

Technical

14

Technical

14

This catalogue contains information about our Technical 2014-2015 range of products.
For information on other Intra lighting products, please refer to the Architectural
Catalogue and visit www.intra-lighting.com.



DEMI
p 18



101
p 28



102
p 40



ALKON R
p 46



MIVA
p 76



201
p 92



212
p 98



ARAGO
p 212



106
p 52



XENO
p 58



GIAS
p 60



SPIRO
p 66



VIRGO
p 70



118
p 72

RECESSED 17



216
p 104



246
p 108



ETEA
p 110



5100
p 116



5350
p 124



MODUS
p 126

CEILING AND SUSPENDED 75



NITOR R
p 134



NARRO R
p 148



NITOR C
p 158

DOWNLIGHTS 133



MIVA LINE
p 168



ATRIX
p 178

LIGHTING SYSTEMS 167



ALKON R IP54
p 192



ALKON R IP65
p 196



ALKON C IP65
p 200



STRATUS R
p 204



STRATUS C
p 206

HEALTH AND CARE 191



5700
p 222



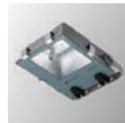
ASTOR
p 228



5300
p 230



NIOPA
p 232



7200
p 236



7400
p 236

INDUSTRIAL AND FLOODLIGHTS 211

TECHNICAL PAGES 240



all visible

Clear vision

Our life is inspired by light. For more than 20 years, we have been completely dedicated to researching new possibilities of experiencing light and creating useful, aesthetic and highly effective lighting concepts.

Lighting is a never ending challenge. We are inspired by diversity and by the rapidly changing requirements and needs; we are enthusiastic about new ideas from architects and lighting designers. Sustainable lighting concepts, especially the energy efficiency of luminaires, provide a special challenge and serve as a decisive driving force in our development.



Relevant performance, global presence

This is why our architectural luminaires are different. Ingenious concepts, superior design, high quality manufacture and excellent lighting efficiency are their most recognizable features. Carefully made details, modularity and simplicity of installation are another step towards the customer's complete satisfaction. Our lighting projects also have a valuable additional dimension: good cooperation with architects, lighting designers and project engineers enables us to go the extra mile.

We provide a 5-year warranty for our products and make them available on the market with original tools that simplify all the required stages, from selection to the luminaires installation. We leave nothing to chance and our products and lighting concepts are present in more than 40 countries on four continents around the world. We form strong partnerships that are built upon honesty and joy.

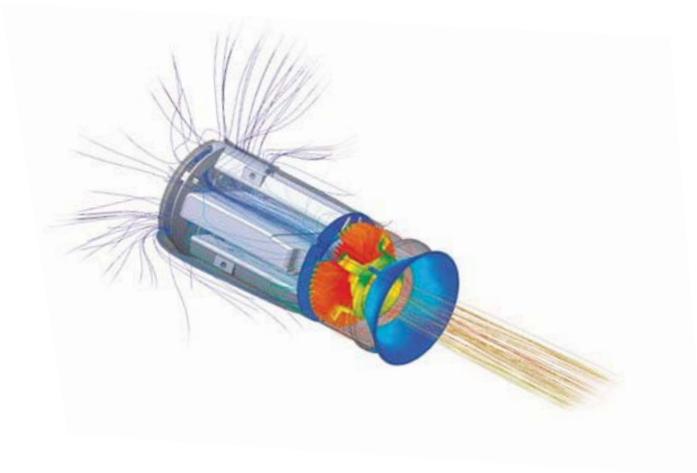
This is it. All visible.

efficiency . visible

An innovative culture, specialized knowledge, advanced software and a modern laboratories for lighting technology enable dynamic technical development that surpasses the expectations of the users.

With top achievements in the area of developing the optical performance of luminaires and by using the best materials, lighting sources and electronic components, we achieve above-average efficiency of luminaires. Innovative solutions, LED lighting, combined with the use of control sensors make an important contribution towards the energy efficiency and cost effectiveness of our lighting concepts.

Efficiency, something we take very seriously, can be easily calculated using our new software tool Intra Calculator, which makes it easier for customers to select the optimum lighting solution for their specific needs.



LED heat management

It ensures LED modules to operate within their safe temperature range, achieving their rated life and output for the specified power throughout their operational life.



Optical system optimisation

This greatly affects the overall efficiency of an LED luminaire. Intra lighting continuously develops and improves optical systems to achieve the highest quality levels.

Design

Innovative technology, best quality materials, high energy efficiency with optimised lighting quality and comfort, and, last but not least, special attention to each and every detail, make our products highly competitive.

Optimised cooling element

Perfect heat dissipation of LEDs is designed for a long service life of up to 50,000 hours at 70% luminous flux.

Maximum LED efficiency

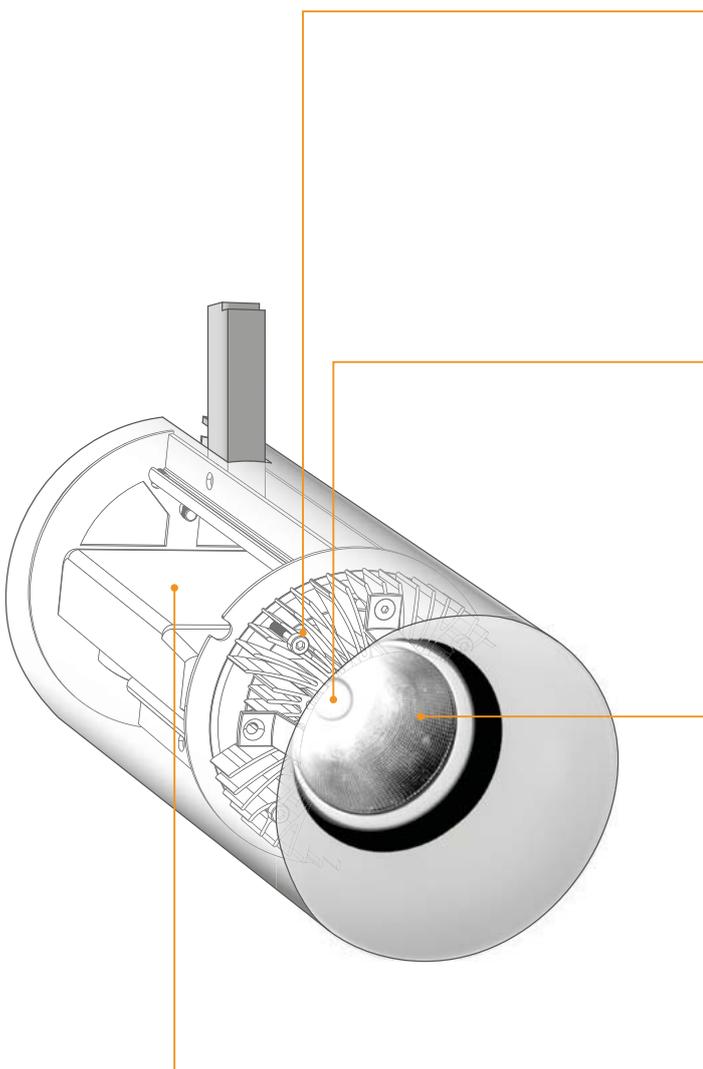
High-end LEDs deliver high colour rendering and colour stability. Several versions are available to meet a wide variety of lighting requirements.

Highly efficient reflector

Specially developed for the luminaire function, it ensures the optimal light distribution and high efficiency levels with various light beam patterns.

Optimised system

The best balance between all the subsystems allows the maximum energy efficiency, best performance and a long service lifetime.



all the ways to reach quality

The complete satisfaction of the buyer is our highest priority; quality is our way of life. Having full confidence in the quality of Intra lighting products, we provide a 2-year guarantee and offer the possibility of a 5-year warranty for all our products.

With our commitment to sustainable development, which we call focusing green, we produce products and create environmentally friendly lighting solutions that save energy and provide efficient lighting comfort.

We consciously invest in the development of processes, individual's knowledge, technical equipment and software tools. Through systematic and constant improvements, we build and spread our culture of quality.



5 year
warranty



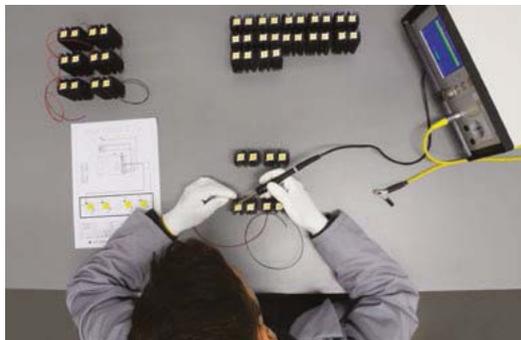
Luminous flux and intensity distribution test

A goniophotometer provides two measuring principles, »farfield« and »nearfield«, which are used to measure lighting efficiency and light distribution from the smallest to the largest luminaires. Excellent results are guaranteed by taking highly accurate measurements provided by a measuring distance of up to 30 m.



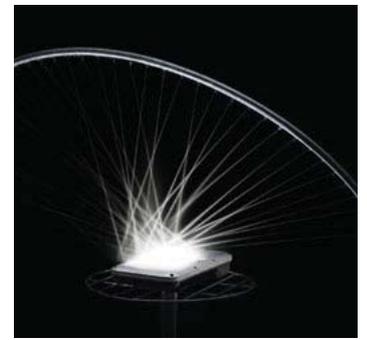
Spectral and colorimetric test

In the Ulbricht sphere with a diameter of 2 m, we measure various types of light sources with an emphasis on LEDs. We dedicate special attention to the colour spectrum of the light source, which directly affects the well-being and comfort of the user of the luminaire which is of key importance when planning advanced lighting systems.



Production processes

Intra lighting products are carefully planned, manufactured and tested. The high standards and reliable quality of our products have been certified by numerous institutions.



IP testing

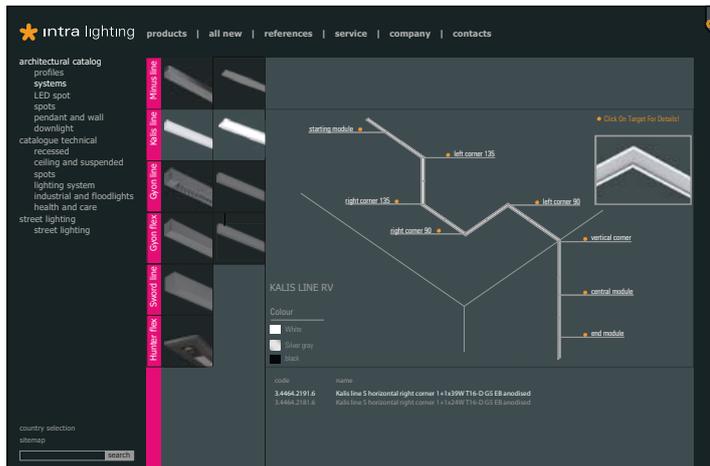
In the IP laboratory, we measure and improve the level of resistance of lamps to the intrusion of dust particles, water and humidity. Intra lighting internal testing standards exceed the provisions of the IEC 60529 standard, which ensures the reliable operation of our products under even the most demanding operational conditions.

visible support

all online

Electronic catalogues of all our products and examples of different lighting solutions are available on our web site. They provide a simple and quick selection of the required product, information on new products, product enhancements, assembly instructions and other useful information.

www.intra-lighting.com



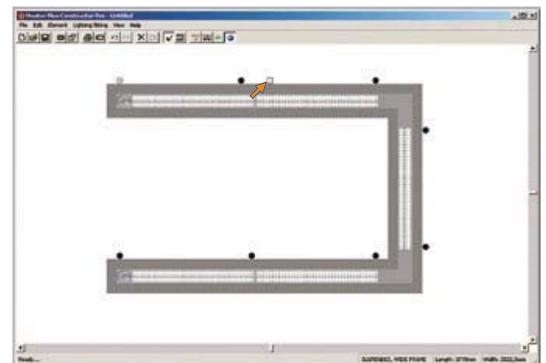
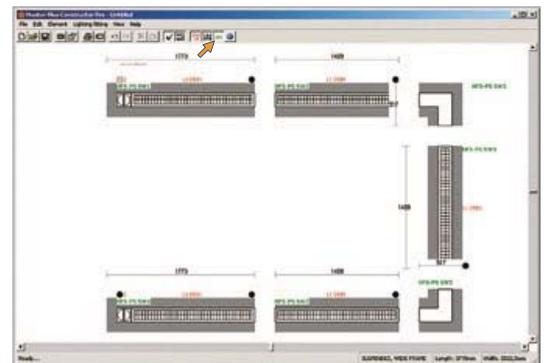
all tools

Intra Constructors

Our unique Intra Constructors software is designed to support our lighting systems. It enables quick, simple and precise selection of lighting elements in accordance with the particular architecture or space design. Intra Constructor prevents mistakes in design and provides numerous additional advantages all the way through to the final installation.

www.intra-lighting.com/constructor

IC IntraConstructors





all-in-box

The original and extremely practical all-in-box tool presents some key advantages, options and innovative details of Intra lighting products. It offers users an overview of the entire range of luminaires and helps them directly experience the quality of the products, the selected materials and the easy installation solutions. The selected sample elements of the luminaires are placed in a well designed packaging, which also contains information on other useful tools for effective lighting design.

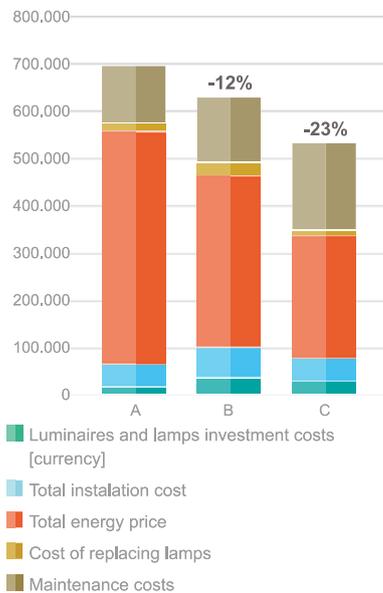
Intra Calculator

The new Intra Calculator is a user-friendly and free web application for analysing the economic benefits of lighting solutions. It not only calculates investment costs, but also analyses the financial aspects of the selected lighting solution throughout its lifetime, including energy consumption, maintenance costs and CO₂ emission. It allows dynamic comparisons of multiple lighting solutions. When searching for the optimal ratio between lighting quality and total costs, Intra Calculator is the tool you need.

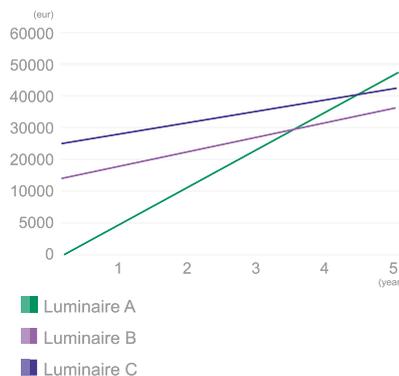
www.intra-lighting.com/calculator



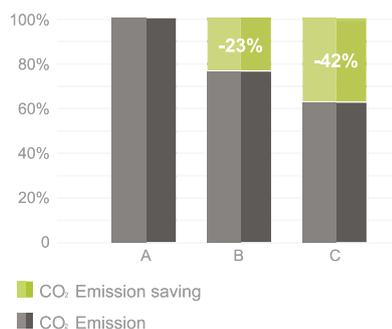
Cost Breakdown Structure



Expense accumulation



CO₂ Emission Saving



DIALux

As a partner to DIALux lighting calculation software for project presentation-we have created our electronic catalogue within the DIALux system (DIALux PlugIn), with all the product information needed to select the optimum light fixtures for the project.

www.intra-lighting.com/dialux



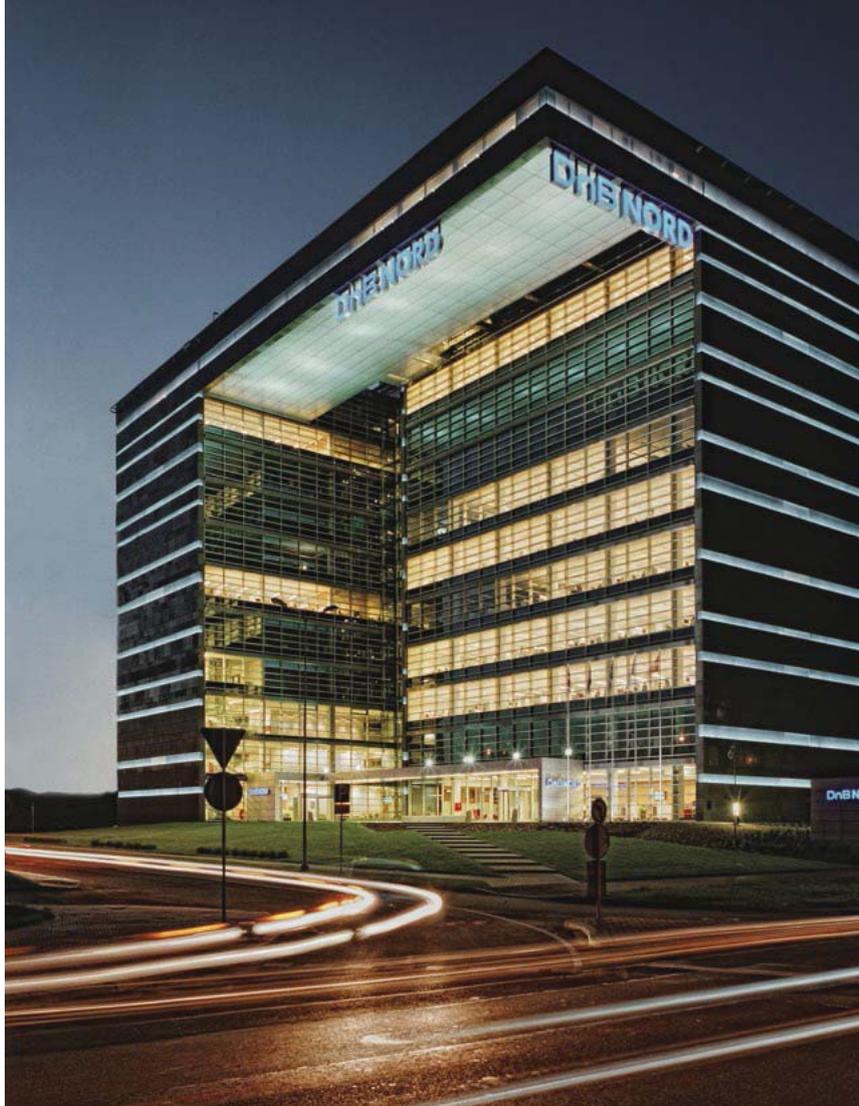


different needs

diversified places

Creating a space is a major challenge from concept to implementation. The diversity of ideas and architectural solutions also require different approaches to designing light. Our wide range of luminaires and lighting systems makes it possible to light any interior. With reference to the customer's needs and to current market trends we work as part of the design team to make even the most daring concepts a reality.

- business and administrative places**
- shops and shopping centres**
- schools, hospitals & other public places**
- industrial halls & warehouses**





showrooms

Top products deserve a good presentation. The showroom at our head office showcases our latest products and technological solutions and has experts available for providing detailed information. The sales showroom of the Intra studio also presents various lighting solutions so that the visitors can experience the light for themselves.



Showrooms location



≤100
lumen/watt

ALKON
NEW RECESSED
MOUNTED HIGH
EFFICIENCY AND
GLARE FREE
LED LUMINAIRE

DEMI



p 19



p 20



p 21



p 22

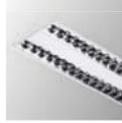
101



p 29



p 30



p 31



p 32



p 33

102



p 41



p 42



p 43



p 44

ALKON R



p 47



p 48



p 49

106



p 53



p 54



p 55

XENO



p 59



p 61



p 62

GIAS

SPIRO



p 67

VIRGO



p 71

118



p 73



- Recessed luminaire with direct parabolic louvre for linear T16 lamps
- Steel sheet housing, powder coating, white colour
- High efficiency double parabolic highly specular or satin louvre made from silver-coated aluminium
- Emergency kit version with 1 hour autonomy
- Integrated electronic ballast; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Tool free easy maintenance
- Mounting kit as option for installation into false ceilings, order separately

Optics



HDP optic
Double (longitudinal and transverse) parabolic louvre, highly specular silver-coated aluminium, high efficiency and anti-iridescence, blades closed on top, spring fastening, glare reduction in accordance with EN 12464



HMP optic
Double (longitudinal and transverse) parabolic louvre, satin silver-coated aluminium high efficiency and anti-iridescence, blades closed on top, spring fastening, glare reduction in accordance with EN 12464

Range



width 597 mm



width 198 mm



width 116 mm

Details



Louvre is anti-dust and finger prints protected with stretch film



No need to remove central part for installation



The housing is ready for safe fixing on primary ceilings



Louvre remains hooked on during maintenance

Options

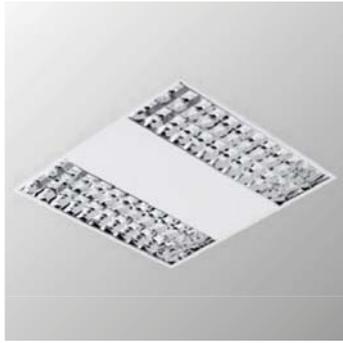


Mounting kit is available for false ceilings fixation



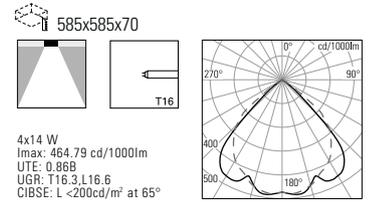
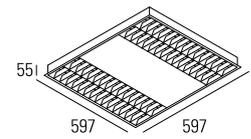
GST quick connector on request for fast installation

DEMI HDP



Type	Ballast	Weight (kg)	Code
4x14W T16 G5	EB, DEB, EM	3,6	1.141x.4140.y
4x24W T16 G5	EB, DEB, EM	3,6	1.141x.4240.y

Fixtures with emergency kit module are 0,5 kg heavier.

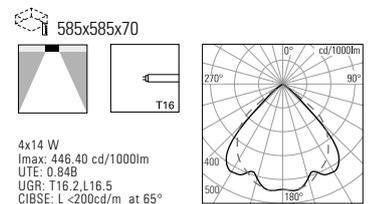
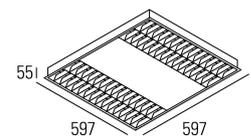


DEMI HMP

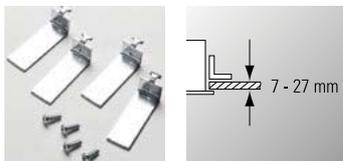


Type	Ballast	Weight (kg)	Code
4x14W T16 G5	EB, DEB, EM	3,6	1.142x.4140.y
4x24W T16 G5	EB, DEB, EM	3,6	1.142x.4240.y

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0

Code definition for ballast, emergency kit and colour options

Ballast options	Code (x)	Emergency kit options	Code (x)	Colour	Code (y)
EB	4	EB EM 1h	7	White	1
DEB - DALI	1	DEB - DALI EM 1h	2	Silver grey	5
DEB - DSI	5	DEB - DSI EM 1h	8		
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9		

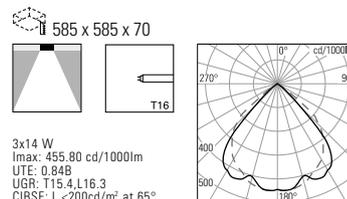
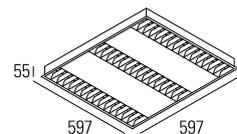
RECESSED DEMI

DEMI HDP



Type	Ballast	Weight (kg)	Code
3x14W T16 G5	EB, DEB, EM	3,6	1.141x.3140.y
3x24W T16 G5	EB, DEB, EM	3,6	1.141x.3240.y

Fixtures with emergency kit module are 0,5 kg heavier.

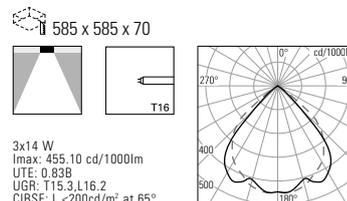
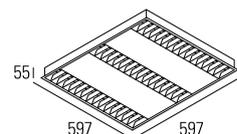


DEMI HMP

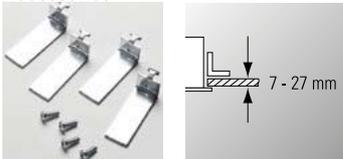


Type	Ballast	Weight (kg)	Code
3x14W T16 G5	EB, DEB, EM	3,6	1.142x.3140.y
3x24W T16 G5	EB, DEB, EM	3,6	1.142x.3240.y

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories

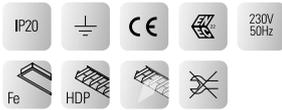


Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0

Code definition for ballast, emergency kit and colour options

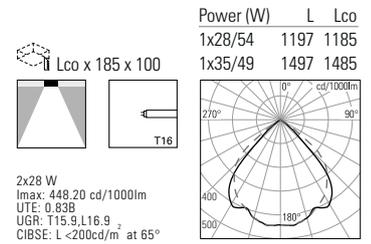
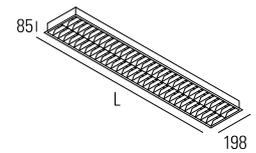
Ballast options	Code (x)	Emergency kit options	Code (x)	Colour	Code (y)
EB	4	EB EM 1h	7	White	1
DEB - DALI	1	DEB - DALI EM 1h	2	Silver grey	5
DEB - DSI	5	DEB - DSI EM 1h	8		
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9		

DEMI HDP



Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	2,8	1.141x.2280.y
2x54W T16 G5	EB, DEB, EM	2,8	1.141x.2540.y
2x35W T16 G5	EB, DEB, EM	3,4	1.141x.2350.y
2x49W T16 G5	EB, DEB, EM	3,4	1.141x.2490.y

Fixtures with emergency kit module are 0,5 kg heavier.

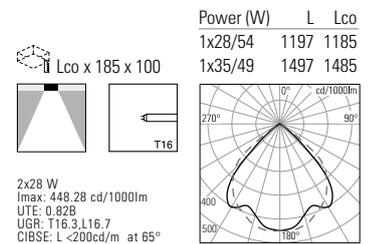
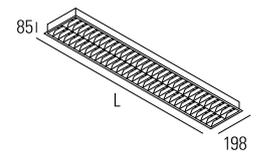


DEMI HMP

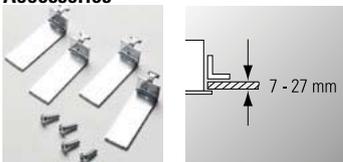


Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	2,8	1.142x.2280.y
2x54W T16 G5	EB, DEB, EM	2,8	1.142x.2540.y
2x35W T16 G5	EB, DEB, EM	3,4	1.142x.2350.y
2x49W T16 G5	EB, DEB, EM	3,4	1.142x.2490.y

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0

Code definition for ballast, emergency kit and colour options

Ballast options	Code (x)	Emergency kit options	Code (x)	Colour	Code (y)
EB	4	EB EM 1h	7	White	1
DEB - DALI	1	DEB - DALI EM 1h	2	Silver grey	5
DEB - DSI	5	DEB - DSI EM 1h	8		
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9		

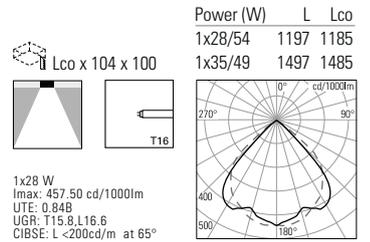
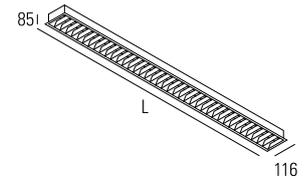
RECESSED DEMI

DEMI HDP



Type	Ballast	Weight (kg)	Code
1x28W T16 G5	EB, DEB, EM	2,3	1.141x.1280.y
1x54W T16 G5	EB, DEB, EM	2,3	1.141x.1540.y
1x35W T16 G5	EB, DEB, EM	3,0	1.141x.1350.y
1x49W T16 G5	EB, DEB, EM	3,0	1.141x.1490.y

Fixtures with emergency kit module are 0,5 kg heavier.

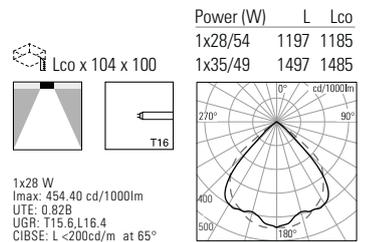
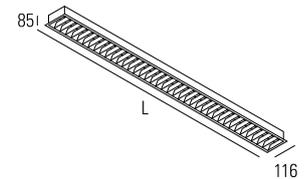


DEMI HMP

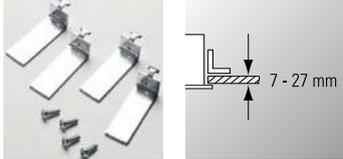


Type	Ballast	Weight (kg)	Code
1x28W T16 G5	EB, DEB, EM	2,3	1.142x.1280.y
1x54W T16 G5	EB, DEB, EM	2,3	1.142x.1540.y
1x35W T16 G5	EB, DEB, EM	3,0	1.142x.1350.y
1x49W T16 G5	EB, DEB, EM	3,0	1.142x.1490.y

Fixtures with emergency kit module are 0,5 kg heavier.



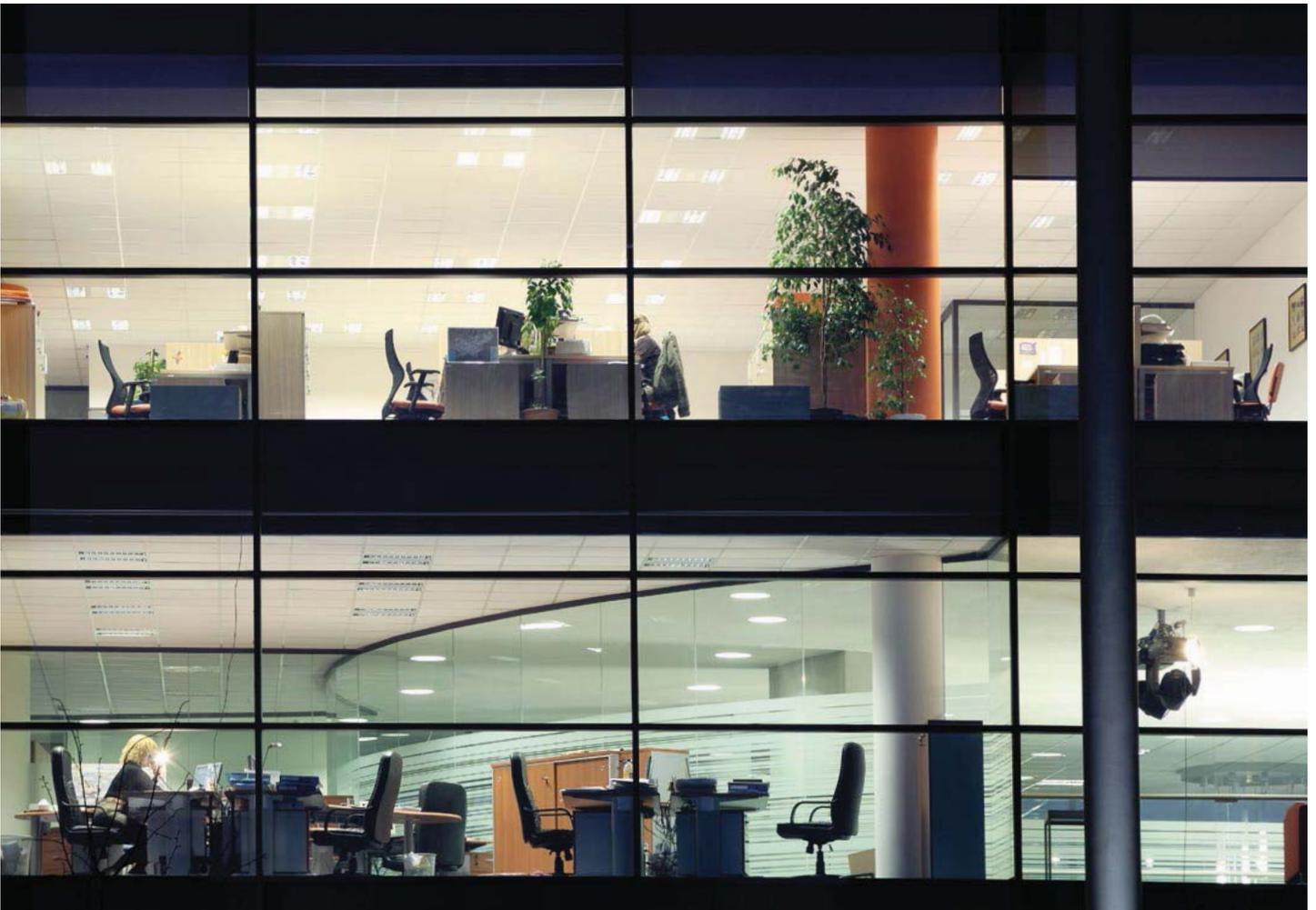
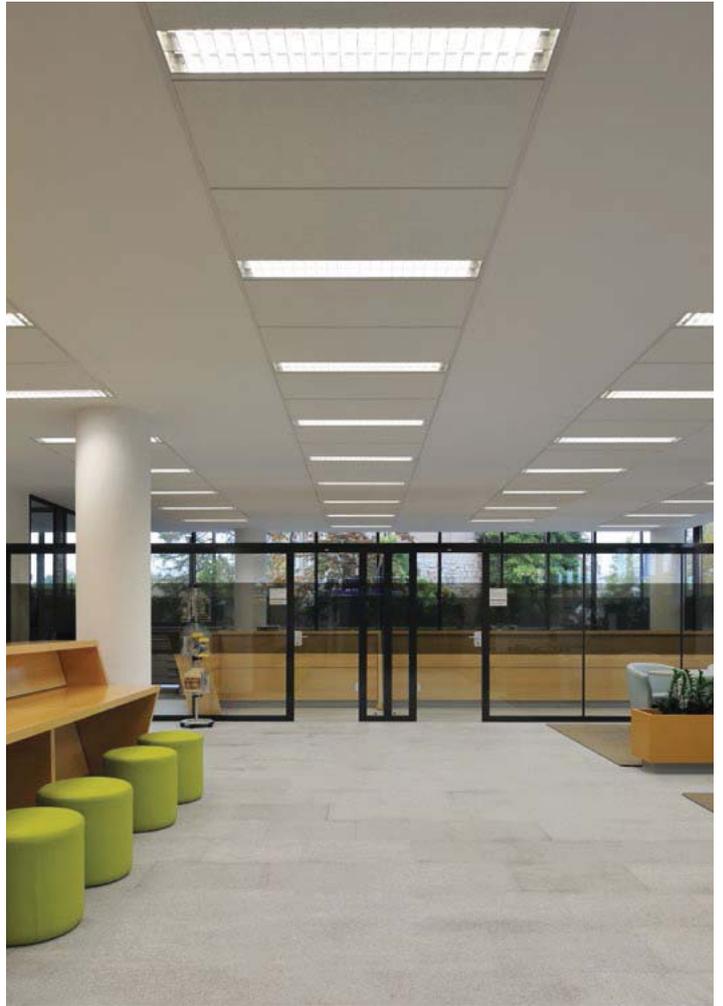
Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0

Code definition for ballast, emergency kit and colour options

Ballast options	Code (x)	Emergency kit options	Code (x)	Colour	Code (y)
EB	4	EB EM 1h	7	White	1
DEB - DALI	1	DEB - DALI EM 1h	2	Silver grey	5
DEB - DSI	5	DEB - DSI EM 1h	8		
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9		













- Recessed luminaire with direct parabolic louvre for linear T16 lamps
- Steel sheet housing, powder coating, white colour
- Double parabolic specular or satin aluminium louvre
- Integrated electronic ballast; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 hour autonomy
- Tool free easy maintenance
- Mounting kit as option for installation into false ceilings, order separately
- GST connectors and power cable as option for fast installation - see Mounting details at the end of the catalogue

Optics



DP optic
Double (longitudinal and transverse) parabolic louvre, highly specular aluminium, high efficiency and anti-iridescence, blades closed on top, spring fastening, glare reduction in accordance with EN 12464



MP optic
Double (longitudinal and transverse) parabolic louvre, satin aluminium high efficiency and anti-iridescence, blades closed on top, spring fastening



AS optic
Satin aluminium asymmetrical parabolic reflector, anti-iridescence

Range



width 597/622 mm



width 297/309 mm



width 198 mm



width 116 mm



width 198 AS mm

Details



No need to remove central part during installation



The housing is ready for safe fixing on primary ceilings



Louvre remains hooked on during maintenance

Options



Mounting kit is available for false ceilings fixation



GST quick connector on request for fast installation

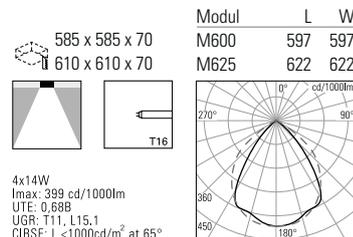
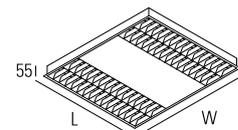
(see Mounting details on Technical pages)

101 DP



Type	Ballast	Weight (kg)	Code
4x14W T16 G5	EB, DEB, EM	3,6	1.010x.4141.1
4x24W T16 G5	EB, DEB, EM	3,6	1.010x.4241.1
M625			
4x14W T16 G5	EB, DEB, EM	4,2	1.410x.4141.1
4x24W T16 G5	EB, DEB, EM	4,2	1.410x.4241.1

Fixtures with emergency kit module are 0,5 kg heavier.

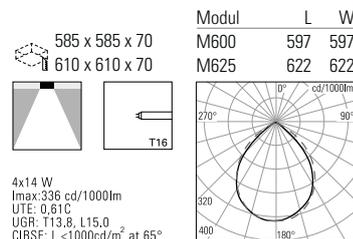
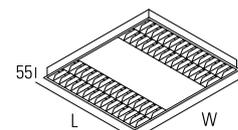


101 MP

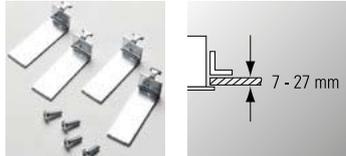


Type	Ballast	Weight (kg)	Code
4x14W T16 G5	EB, DEB, EM	3,6	1.013x.4141.1
4x24W T16 G5	EB, DEB, EM	3,6	1.013x.4241.1
M625			
4x14W T16 G5	EB, DEB, EM	4,2	1.313x.4141.1
4x24W T16 G5	EB, DEB, EM	4,2	1.313x.4241.1

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



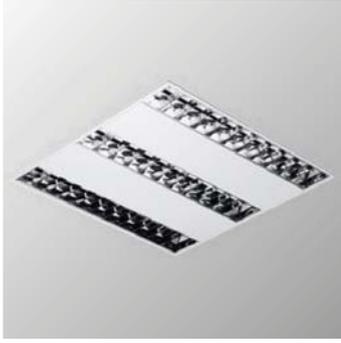
Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

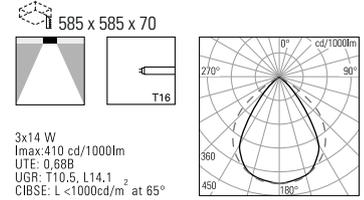
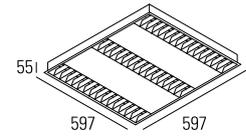
RECESSED 101

101 DP



Type	Ballast	Weight (kg)	Code
3x14W T16 G5	EB, DEB, EM	3,6	1.010x.3141.1
3x24W T16 G5	EB, DEB, EM	3,6	1.010x.3241.1

Fixtures with emergency kit module are 0,5 kg heavier.

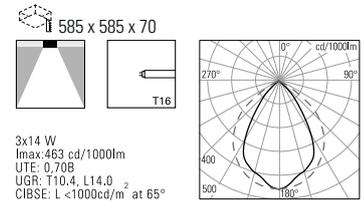
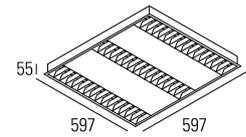


101 MP

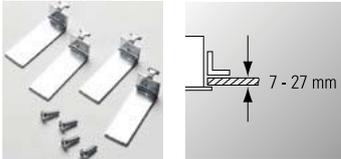


Type	Ballast	Weight (kg)	Code
3x14W T16 G5	EB, DEB, EM	3,6	1.013x.3141.1
3x24W T16 G5	EB, DEB, EM	3,6	1.013x.3241.1

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories

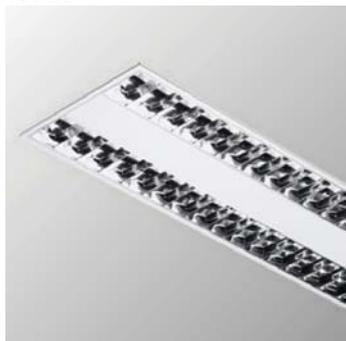


Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0

Code definition for ballast and emergency kit

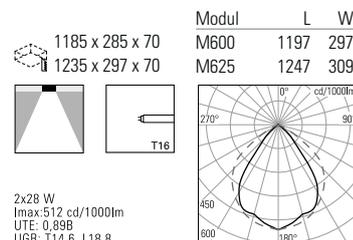
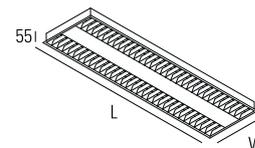
Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

101 DP



Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	4,3	1.010x.2281.1
2x54W T16 G5	EB, DEB, EM	4,3	1.010x.2541.1
M625			
2x28W T16 G5	EB, DEB, EM	5,2	1.410x.2281.1
2x54W T16 G5	EB, DEB, EM	5,2	1.410x.2541.1

Fixtures with emergency kit module are 0,5 kg heavier.

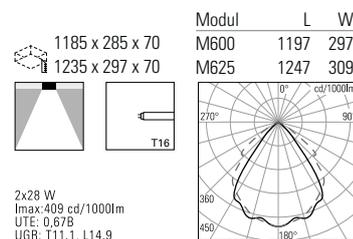
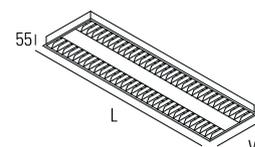


101 MP

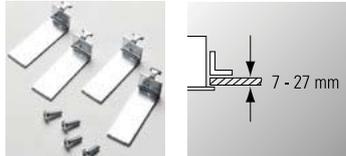


Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	4,3	1.013x.2281.1
2x54W T16 G5	EB, DEB, EM	4,3	1.013x.2541.1
M625			
2x28W T16 G5	EB, DEB, EM	5,2	1.313x.2281.1
2x54W T16 G5	EB, DEB, EM	5,2	1.313x.2541.1

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

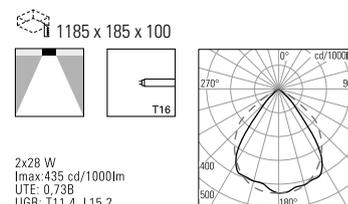
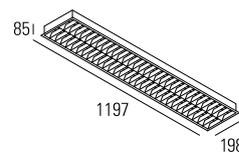
RECESSED 101

101 DP



Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	2,7	1.012x.2281.1
2x54W T16 G5	EB, DEB, EM	2,7	1.012x.2541.1

Fixtures with emergency kit module are 0,5 kg heavier.

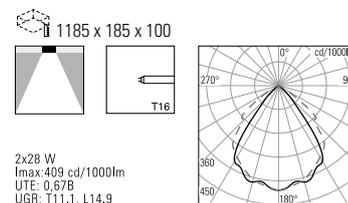
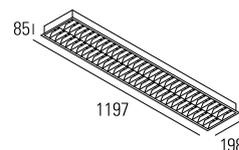


101 MP

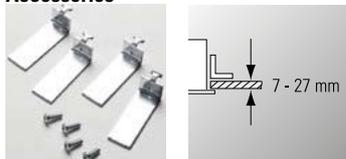


Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	2,7	1.014x.2281.1
2x54W T16 G5	EB, DEB, EM	2,7	1.014x.2541.1

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0

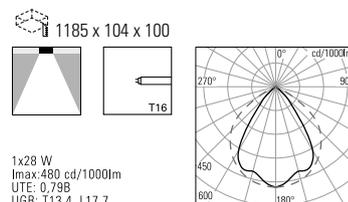
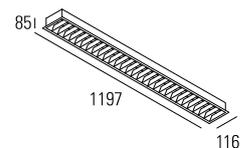
Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

101 DP



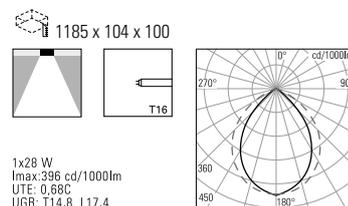
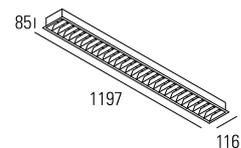
Type	Ballast	Weight (kg)	Code
1x28W T16 G5	EB, DEB	2,3	1.010x.1281.1
1x54W T16 G5	EB, DEB	2,3	1.010x.1541.1



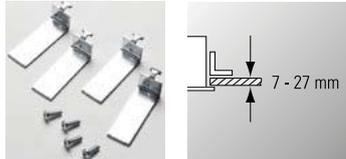
101 MP



Type	Ballast	Weight (kg)	Code
1x28W T16 G5	EB, DEB	2,3	1.013x.1281.1
1x54W T16 G5	EB, DEB	2,3	1.013x.1541.1



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0

Code definition for ballast

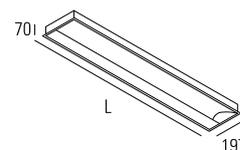
Ballast options	Code (x)
EB	4
DEB - DALI	1
DEB - DSI	5
DEB 1 - 10V	3

RECESSED 101

101 AS



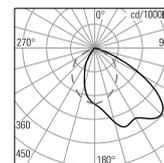
Type	Ballast	Weight (kg)	Code
1x28W T16 G5	EB, DEB	2,3	1.113x.1280.1
1x54W T16 G5	EB, DEB	2,3	1.113x.1540.1
1x35W T16 G5	EB, DEB	2,6	1.113x.1350.1
1x49W T16 G5	EB, DEB	2,6	1.113x.1490.1
1x80W T16 G5	EB, DEB	2,6	1.113x.1800.1



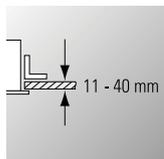
Power (W)	L	Lco
1x28/54	1197	1185
1x35/49/80	1497	1485



1x28W
Imax: 345 cd/1000lm
UTE: 0,56D
UGR: T7,3, L15,9



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0

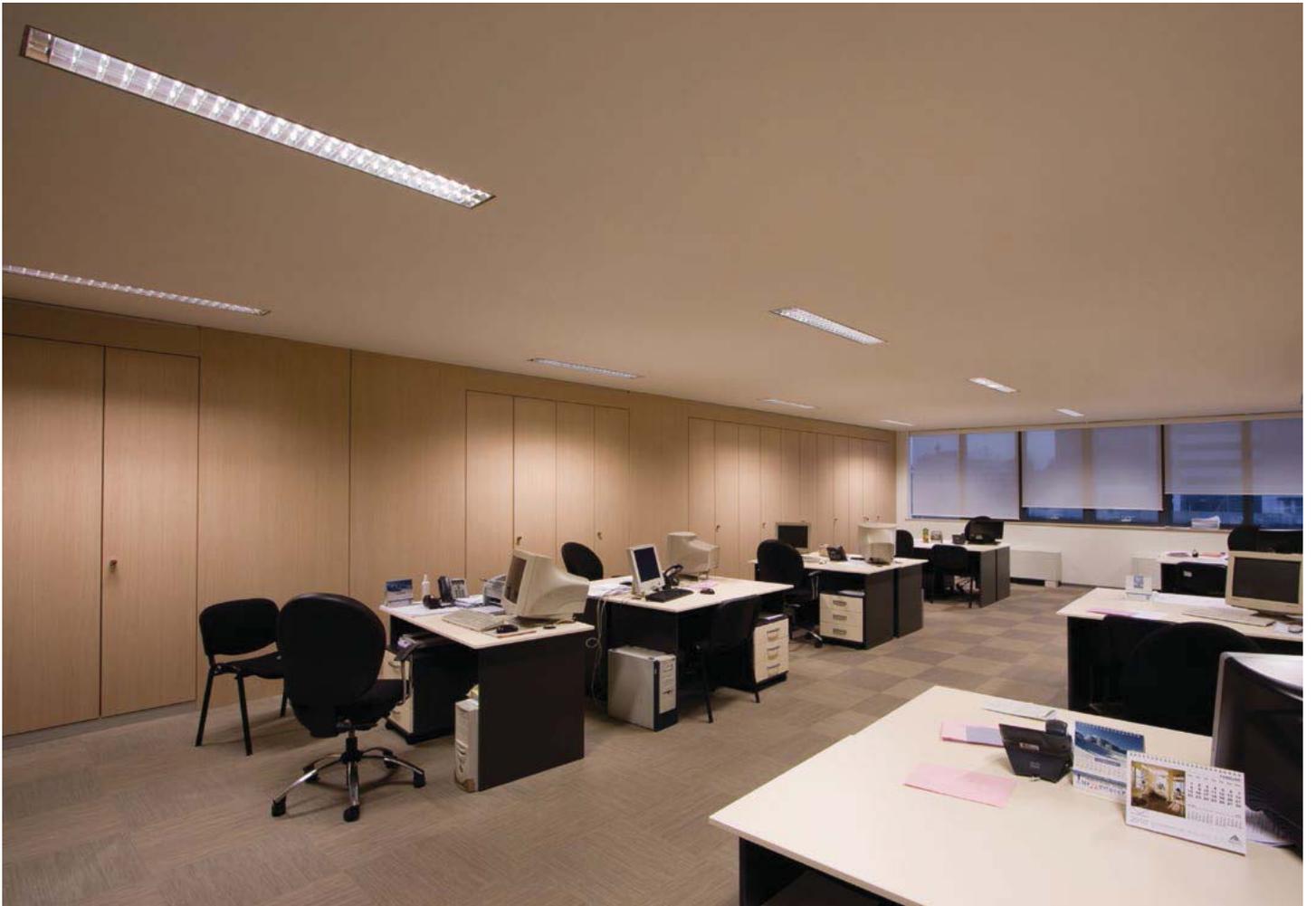
Code definition for ballast

Ballast options	Code (x)
EB	4
DEB - DALI	1
DEB - DSI	5
DEB 1 - 10V	3













- Recessed luminaire with direct parabolic louvre for linear T26 lamps
- Steel sheet housing, powder coating, white colour
- Double parabolic specular or satin aluminium louvre
- Integrated electronic ballast; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 hour autonomy
- Tool free easy maintenance
- Mounting kit as option for installation into false ceilings, order separately
- GST connectors and power cable as option for fast installation - see Mounting details at the end of the catalogue

Optics



BP optic
Double (longitudinal and transverse) parabolic louvre, specular aluminium, high efficiency and anti-iridescence, blades closed on top, spring fastening, glare reduction in accordance with EN 12464



MP optic
Double (longitudinal and transverse) parabolic louvre, satin aluminium high efficiency and anti-iridescence, blades closed on top, spring fastening

Range



width 597/622 mm



width 297 mm



width 185 mm

Details



The housing is ready for safe fixing on primary ceilings



Louvre remains hooked on during maintenance

Options



Mounting kit is available for false ceilings fixation



GST quick connector on request for fast installation

(see Mounting details on Technical pages)

102 BP

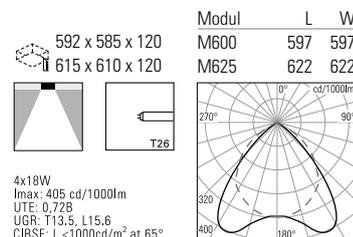
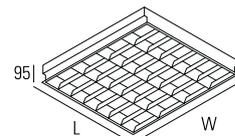


Type	Ballast	Weight (kg)	Code
4x18W T26 G13	EB, DEB, EM	4,6	1.020x.4182.1

M625

4x18W T26 G13	EB, DEB, EM	5,5	1.023x.4182.1
---------------	-------------	-----	---------------

Fixtures with emergency kit module are 0,5 kg heavier.



102 MP

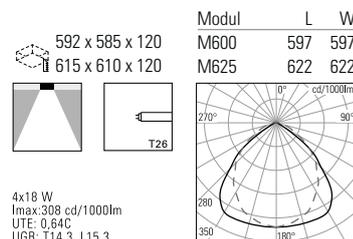
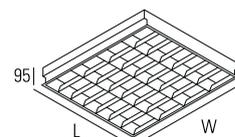


Type	Ballast	Weight (kg)	Code
4x18W T26 G13	EB, DEB, EM	4,6	1.130x.4182.1

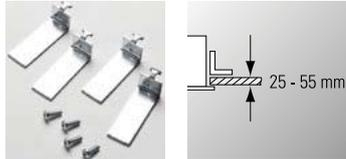
M625

4x18W T26 G13	EB, DEB, EM	5,5	1.133x.4182.1
---------------	-------------	-----	---------------

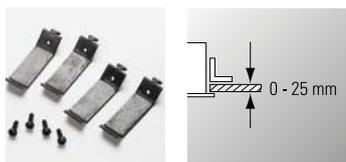
Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0



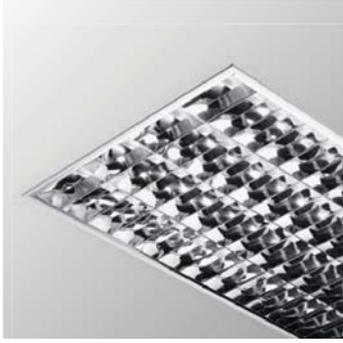
1400 ceiling mounting kit	0.1	1.4000.0000.0
---------------------------	-----	---------------

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

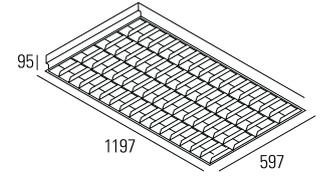
RECESSED 102

102 BP

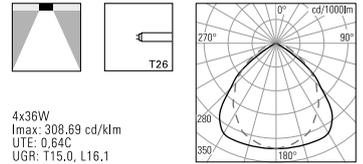


Type	Ballast	Weight (kg)	Code
4x36W T26 G13	EB, DEB, EM	9,6	1.020x.4362.1

Fixtures with emergency kit module are 0,5 kg heavier.



1185 x 585 x 120

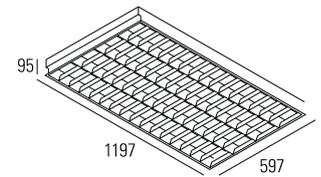


102 MP

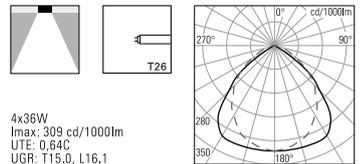


Type	Ballast	Weight (kg)	Code
4x36W T26 G13	EB, DEB, EM	9,6	1.130x.4362.1

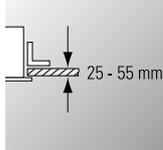
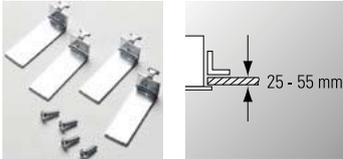
Fixtures with emergency kit module are 0,5 kg heavier.



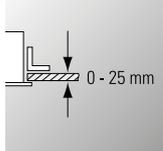
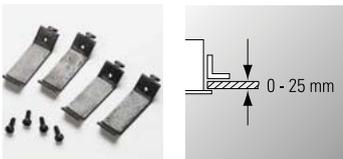
1185 x 585 x 120



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0



1400 ceiling mounting kit	0.1	1.4000.0000.0
---------------------------	-----	---------------

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

102 BP

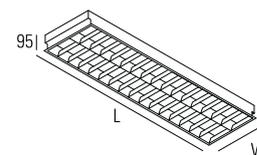


Type	Ballast	Weight (kg)	Code
2x36W T26 G13	EB, DEB, EM	5,2	1.020x.2362.1
2x58W T26 G13	EB, DEB, EM	5,5	1.020x.2582.1

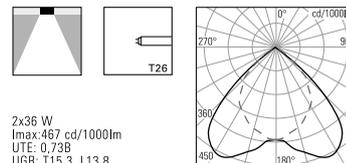
M625

2x36W T26 G13	EB, DEB, EM	6,1	1.023x.2362.1
---------------	-------------	-----	---------------

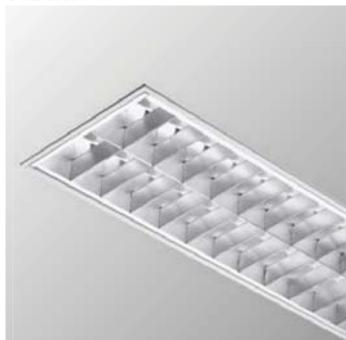
Fixtures with emergency kit module are 0,5 kg heavier.



	Power (W)	L	W
1185 x 285 x 120	1x36 M600	1197	297
1235 x 297 x 120	1x36 M625	1247	309
1485 x 285 x 120	1x58	1497	297



102 MP

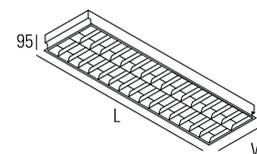


Type	Ballast	Weight (kg)	Code
2x36W T26 G13	EB, DEB, EM	5,2	1.130x.2362.1
2x58W T26 G13	EB, DEB, EM	5,5	1.130x.2582.1

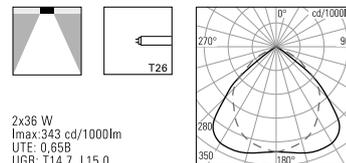
M625

2x36W T26 G13	EB, DEB, EM	6,1	1.133x.2362.1
---------------	-------------	-----	---------------

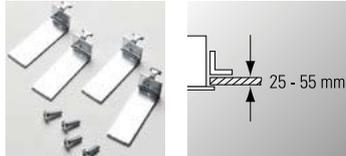
Fixtures with emergency kit module are 0,5 kg heavier.



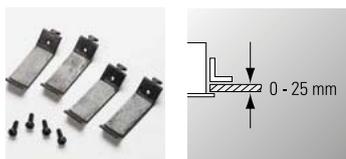
	Power (W)	L	W
1185 x 285 x 120	1x36 M600	1197	297
1235 x 297 x 120	1x36 M625	1247	309
1485 x 285 x 120	1x58	1497	297



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0



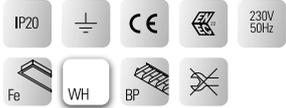
1400 ceiling mounting kit	0.1	1.4000.0000.0
---------------------------	-----	---------------

Code definition for ballast and emergency kit

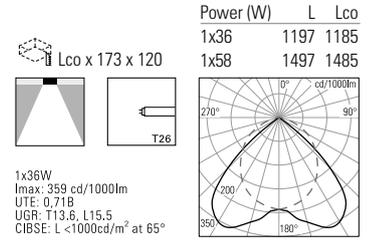
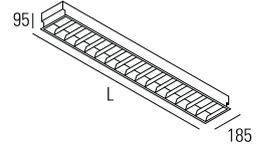
Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

RECESSED 102

102 BP



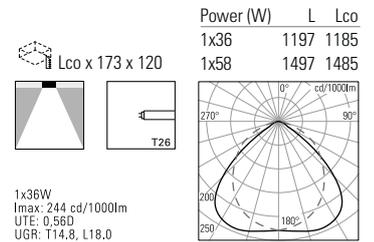
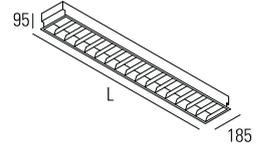
Type	Ballast	Weight (kg)	Code
1x36W T26 G13	EB, DEB	4,1	1.022x.1362.1
1x58W T26 G13	EB, DEB	4,4	1.022x.1582.1



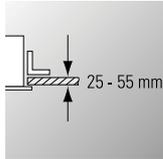
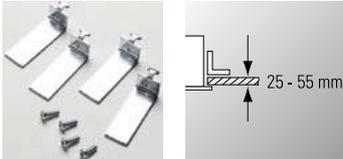
102 MP



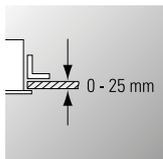
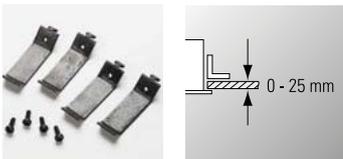
Type	Ballast	Weight (kg)	Code
1x36W T26 G13	EB, DEB	4,1	1.132x.1362.1
1x58W T26 G13	EB, DEB	4,4	1.132x.1582.1



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0



1400 ceiling mounting kit	0.1	1.4000.0000.0
---------------------------	-----	---------------

Code definition for ballast and emergency kit

Ballast options	Code (x)
EB	4
DEB - DALI	1
DEB - DSI	5
DEB 1 - 10V	3





- Professional recessed ceiling luminaire for LED and linear T16 lamps
- IP43 protection class from exposed area
- High efficiency end glare control microprismatic PMMA diffuser (UGR<19) or opal PC diffuser
- Integrated electronic or dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V) for T16 versions
- Fitted with externally mounted fixed output (FO) or dimmable (DALI) driver
- Emergency kit version with 1 or 3 hour autonomy
- Protective vent for pressure equilibrium
- Ceiling bracket are integrated into the housing, fixation from the bottom side
- Use vacuum adapter for glass removal

Optics



PR diffuser
Microprismatic PMMA diffuser, with IP43 on exposed side



OP diffuser
Opal PC diffuser, with IP43 on exposed side

Range



width 595 mm



width 295 mm



width 185 mm

Details



The housing is ready for safe fixing on primary ceilings



Diffuser remains hooked on during maintenance



Highly efficient LED modules ensure high visual confort



Externally mounted driver in separate housing

Options



Mounting kit is available for false ceilings fixation



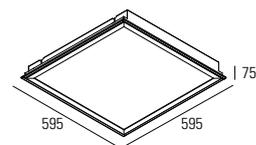
GST quick connector on request for fast installation

(see Mounting details on Technical pages)

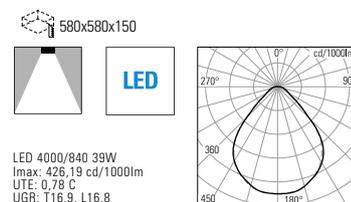
ALKON R PR



Type	Ballast	Weight (kg)	Code
Versions with T16 fluorescent lamps			
4x14W T16 G5	EB, DEB, EM	5,5	11.295x.4608.1
4x24W T16 G5	EB, DEB, EM	5,5	11.295x.4808.1
LED versions			
LED 4000/830 39W	LED FO	5,5	11.2954.1118.1
LED 4000/840 39W	LED FO	5,5	11.2954.1128.1
LED 5200/830 49W	LED FO, DALI	5,5	11.295x.2118.1
LED 5200/840 49W	LED FO, DALI	5,5	11.295x.2128.1



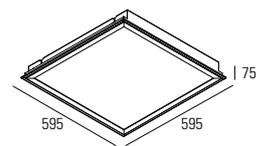
Fixtures with emergency kit module are 0,5 kg heavier.



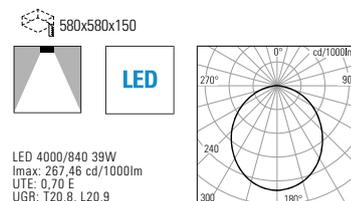
ALKON R OP



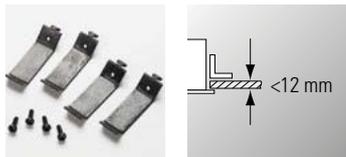
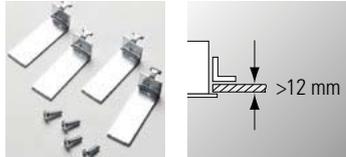
Type	Ballast	Weight (kg)	Code
Versions with T16 fluorescent lamps			
4x14W T16 G5	EB, DEB, EM	5,5	11.296x.4608.1
4x24W T16 G5	EB, DEB, EM	5,5	11.296x.4808.1
LED versions			
LED 4000/830 39W	LED FO	5,5	11.2964.1118.1
LED 4000/840 39W	LED FO	5,5	11.2964.1128.1
LED 5200/830 49W	LED FO, DALI	5,5	11.296x.2118.1
LED 5200/840 49W	LED FO, DALI	5,5	11.296x.2128.1



Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



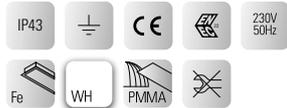
Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0
1400 ceiling mounting kit	0.1	1.4000.0000.0

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB/FO	4	EB/FO EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

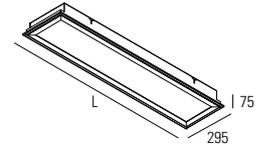
RECESSED ALKON R

ALKON R PR

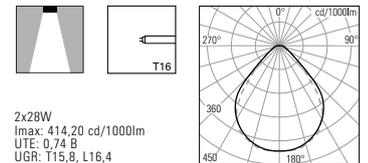


Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	6,0	11.295x.2108.1
2x54W T16 G5	EB, DEB, EM	6,0	11.295x.2408.1
2x35W T16 G5	EB, DEB, EM	7,3	11.295x.2208.1
2x49W T16 G5	EB, DEB, EM	7,3	11.295x.2308.1

Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L	Lco
2x28/54	1195	1180
2x35/49	1495	1480

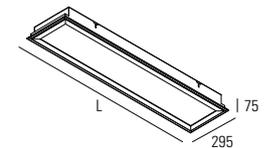


ALKON R OP

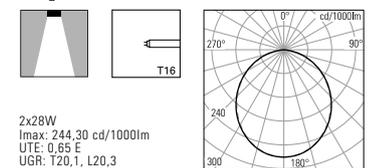


Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	6,0	11.296x.2108.1
2x54W T16 G5	EB, DEB, EM	6,0	11.296x.2408.1
2x35W T16 G5	EB, DEB, EM	7,3	11.296x.2208.1
2x49W T16 G5	EB, DEB, EM	7,3	11.296x.2308.1

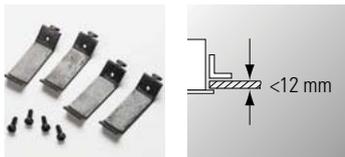
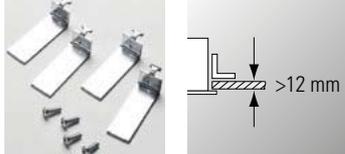
Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L	Lco
2x28/54	1195	1180
2x35/49	1495	1480



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0
1400 ceiling mounting kit	0.1	1.4000.0000.0

Code definition for ballast and emergency kit

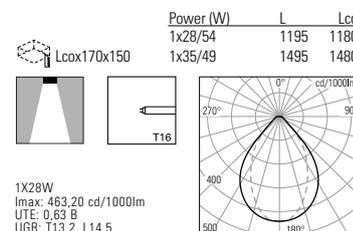
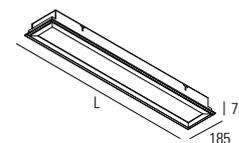
Ballast options	Code (x)	Emergency kit options	Code (x)
EB/FO	4	EB/FO EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

ALKON R PR



Type	Ballast	Weight (kg)	Code
1X28W T16 G5	EB, DEB	4,2	11.295x.1108.1
1X54W T16 G5	EB, DEB	4,2	11.295x.1408.1
1X35W T16 G5	EB, DEB	5,5	11.295x.1208.1
1X49W T16 G5	EB, DEB	5,5	11.295x.1308.1

Fixtures with emergency kit module are 0,5 kg heavier.

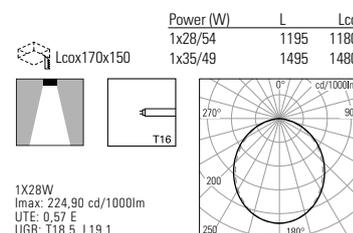
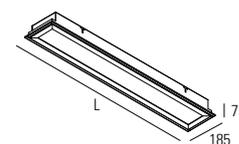


ALKON R OP

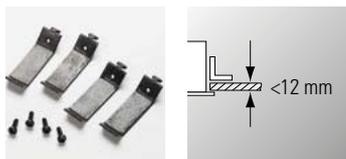
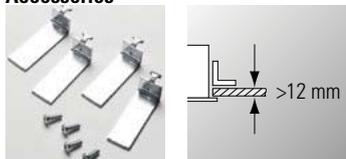


Type	Ballast	Weight (kg)	Code
1X28W T16 G5	EB, DEB	4,2	11.296x.1108.1
1X54W T16 G5	EB, DEB	4,2	11.296x.1408.1
1X35W T16 G5	EB, DEB	5,5	11.296x.1208.1
1X49W T16 G5	EB, DEB	5,5	11.296x.1308.1

Fixtures with emergency kit module are 0,5 kg heavier.



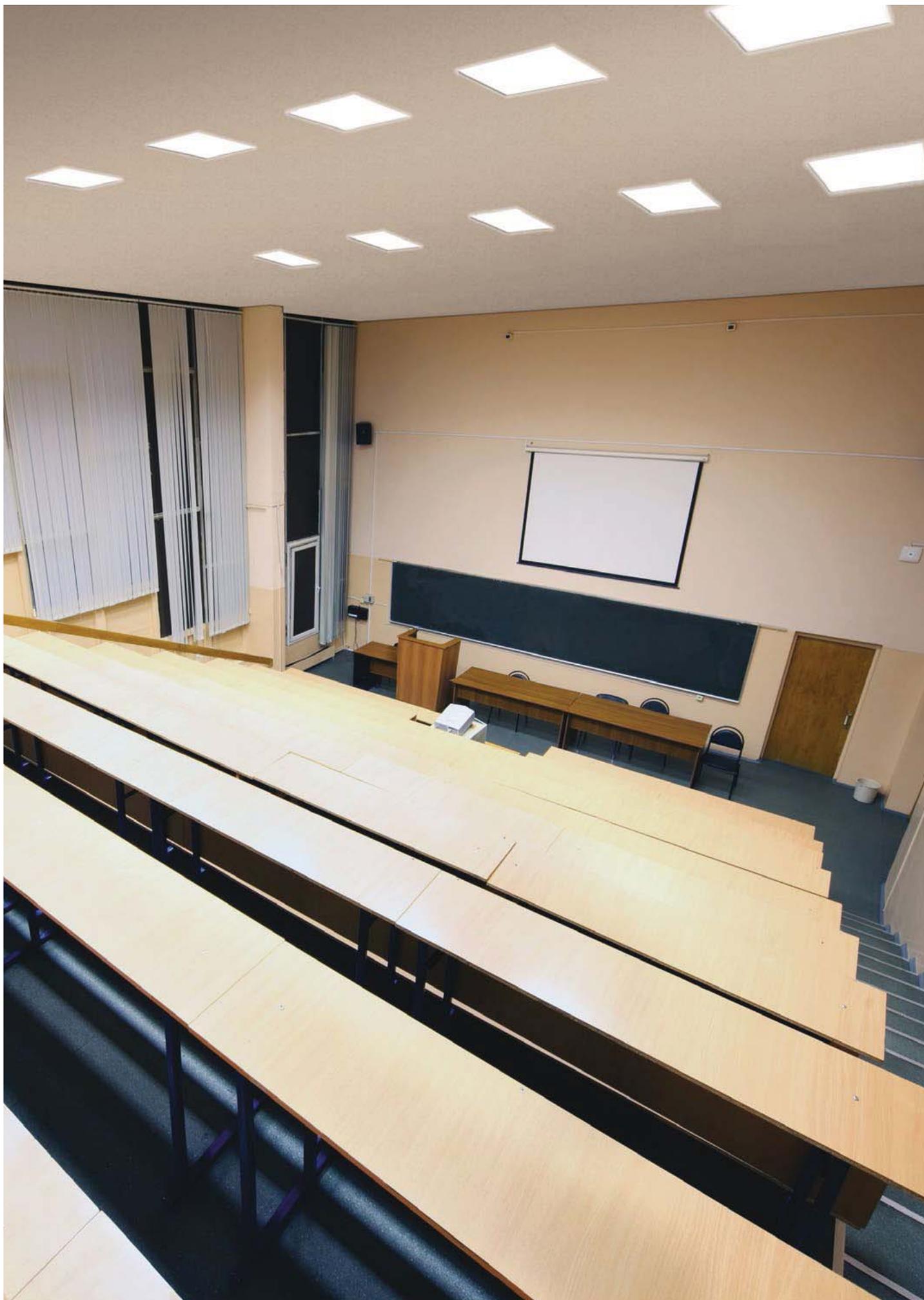
Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0
1400 ceiling mounting kit	0.1	1.4000.0000.0

Code definition for ballast and emergency kit

Ballast options	Code (x)
EB/FO	4
DEB - DALI	1
DEB - DSI	5
DEB 1 - 10V	3







- Recessed luminaire with PMMA diffuser for linear T26, T16 or compact TC-L lamps
- Steel sheet housing, powder coating, white colour
- Opal or prismatic PMMA diffuser
- Integrated electronic ballast; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 hour autonomy
- Tool free easy maintenance
- Mounting kit as option for installation into false ceilings, order separately
- GST connectors and power cable as option for fast installation - see Mounting details at the end of the catalogue

Optics



PR diffuser
Prismatic PMMA diffuser in white painted steel sheet frame, with IP43 on exposed part



OP diffuser
Opal PMMA diffuser in white painted steel sheet frame, with IP43 on exposed part

Range



width 597/622 mm



width 297 mm



width 185 mm

Details



The housing is ready for safe fixing on primary ceilings



Diffuser remains hooked on during maintenance

Options



Mounting kit is available for false ceilings fixation



GST quick connector on request for fast installation

(see Mounting details on Technical pages)

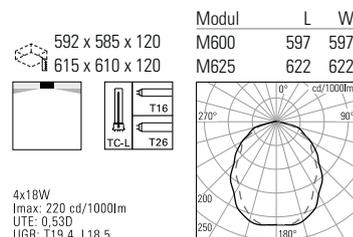
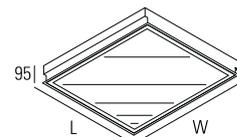
106 PR



Type	Ballast	Weight (kg)	Code
4x18W T26 G13	EB, DEB, EM	5,4	1.067x.4182.1
4x14W T16 G5	EB, DEB, EM	4,6	1.067x.4142.1
4x24W T16 G5	EB, DEB, EM	4,6	1.067x.4242.1
3x55W TC-L 2G11	EB, DEB, EM	4,7	1.067x.3552.1

M625			
4x18W T26 G13	EB, DEB, EM	6,2	1.367x.4182.1
4x14W T16 G5	EB, DEB, EM	5,4	1.367x.4142.1
4x24W T16 G5	EB, DEB, EM	7,2	1.367x.4242.1

Fixtures with emergency kit module are 0,5 kg heavier.



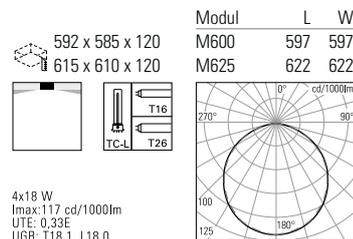
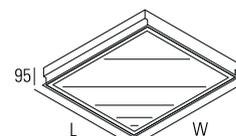
106 OP



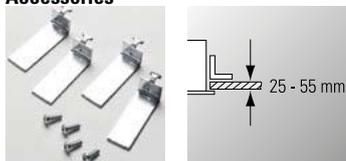
Type	Ballast	Weight (kg)	Code
4x18W T26 G13	EB, DEB, EM	5,4	1.066x.4182.1
4x14W T16 G5	EB, DEB, EM	4,6	1.066x.4142.1
4x24W T16 G5	EB, DEB, EM	4,6	1.066x.4242.1
3x55W TC-L 2G11	EB, DEB, EM	4,7	1.066x.3552.1

M625			
4x18W T26 G13	EB, DEB, EM	6,2	1.366x.4182.1
4x14W T16 G5	EB, DEB, EM	5,4	1.366x.4142.1
4x24W T16 G5	EB, DEB, EM	7,2	1.366x.4242.1

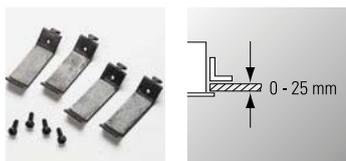
Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0



1400 ceiling mounting kit	0.1	1.4000.0000.0
---------------------------	-----	---------------

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

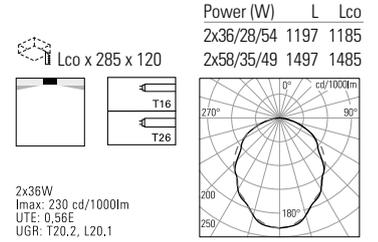
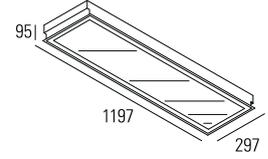
RECESSED 106

106 PR



Type	Ballast	Weight (kg)	Code
2x36W T26 G13	EB, DEB, EM	6,2	1.067x.2362.1
2x58W T26 G13	EB, DEB, EM	6,6	1.067x.2582.1
2x28W T16 G5	EB, DEB, EM	5,2	1.067x.2282.1
2x54W T16 G5	EB, DEB, EM	5,2	1.067x.2542.1
2x35W T16 G5	EB, DEB, EM	5,6	1.067x.2352.1
2x49W T16 G5	EB, DEB, EM	5,6	1.067x.2492.1

Fixtures with emergency kit module are 0,5 kg heavier.

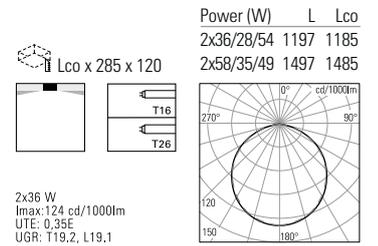
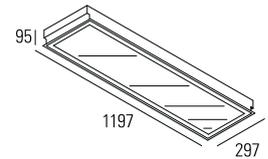


106 OP

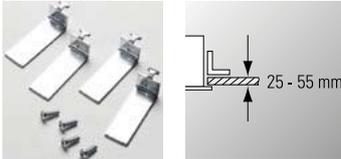


Type	Control Gear	Weight (kg)	Code
2x36W T26 G13	EB, DEB, EM	6,2	1.066x.2362.1
2x58W T26 G13	EB, DEB, EM	6,6	1.066x.2582.1
2x28W T16 G5	EB, DEB, EM	5,2	1.066x.2282.1
2x54W T16 G5	EB, DEB, EM	5,2	1.066x.2542.1
2x35W T16 G5	EB, DEB, EM	5,6	1.066x.2352.1
2x49W T16 G5	EB, DEB, EM	5,6	1.066x.2492.1

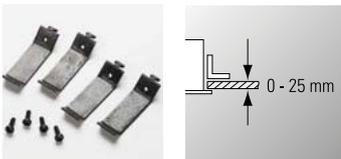
Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0



1400 ceiling mounting kit	0.1	1.4000.0000.0
---------------------------	-----	---------------

Code definition for ballast and emergency kit

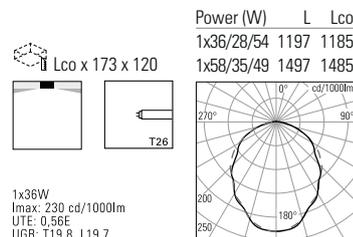
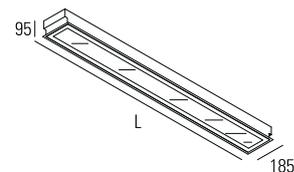
Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

106 PR



Type	Ballast	Weight (kg)	Code
1x36W T26 G13	EB, DEB, EM	4,4	1.062x.1362.1
1x58W T26 G13	EB, DEB, EM	3,9	1.062x.1582.1
1x28W T16 G5	EB, DEB, EM	3,4	1.062x.1282.1
1x54W T16 G5	EB, DEB, EM	3,4	1.062x.1542.1
1x35W T16 G5	EB, DEB, EM	3,8	1.062x.1352.1
1x49W T16 G5	EB, DEB, EM	3,8	1.062x.1492.1

Fixtures with emergency kit module are 0,5 kg heavier.

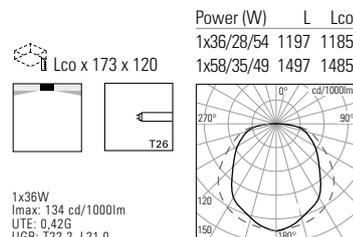
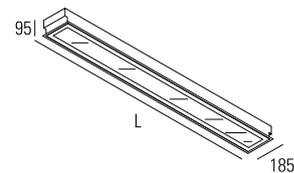


106 OP

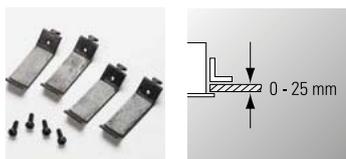
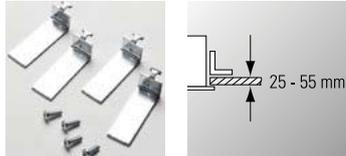


Type	Ballast	Weight (kg)	Code
1x36W T26 G13	EB, DEB, EM	4,4	1.061x.1362.1
1x58W T26 G13	EB, DEB, EM	3,9	1.061x.1582.1
1x28W T16 G5	EB, DEB, EM	3,4	1.061x.1282.1
1x54W T16 G5	EB, DEB, EM	3,4	1.061x.1542.1
1x35W T16 G5	EB, DEB, EM	3,8	1.061x.1352.1
1x49W T16 G5	EB, DEB, EM	3,8	1.061x.1492.1

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories

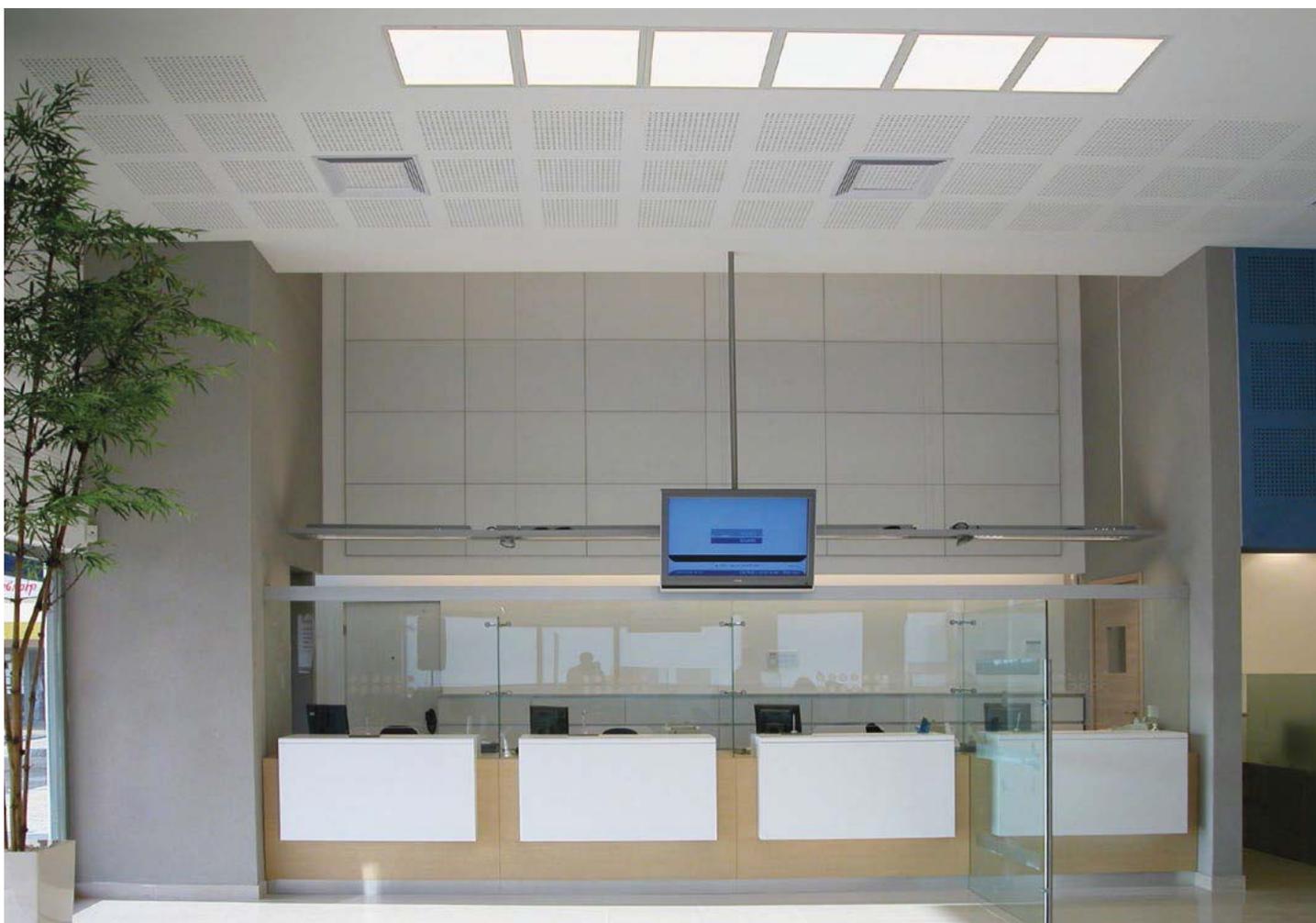


Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0
1400 ceiling mounting kit	0.1	1.4000.0000.0

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9







- Recessed luminaire with direct - indirect parabolic louvre for linear T16 lamps
- Steel sheet housing, powder coating, white colour
- Double parabolic high specular or satin aluminium louvre
- Ribbed aluminium white reflector for optimum indirect light distribution
- Integrated electronic ballast; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 hour autonomy
- Tool free easy maintenance
- Mounting kit as option for installation into false ceilings, order separately

Optics



HDP optic
Double (longitudinal and transverse) parabolic louvre, highly specular silver-coated aluminium, high efficiency and anti-iridescence, blades closed on top, spring fastening, glare reduction in accordance with EN 12464



HMP optic
Double (longitudinal and transverse) parabolic louvre, satin silver-coated aluminium high efficiency and anti-iridescence, blades closed on top, spring fastening, glare reduction in accordance with EN 12464

Details



Louvre is anti-dust and finger prints protected with stretch film



Fast installation from upper side with pull out connector



Reflector made from ribbed aluminium for optimum light dispersion



The housing is ready for safe fixing on primary ceilings



Louvre and shield remains hooked on during maintenance

Options



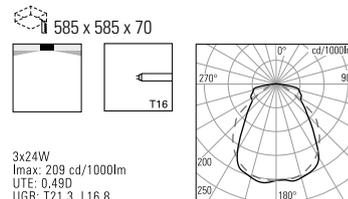
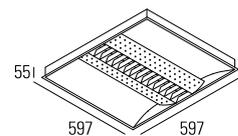
Mounting kit is available for false ceilings fixation

XENO HDP



Type	Ballast	Weight (kg)	Code
3x24W T16 G5	EB, DEB, EM	4,5	1.150x.4240.1

Fixtures with emergency kit module are 0,5 kg heavier.

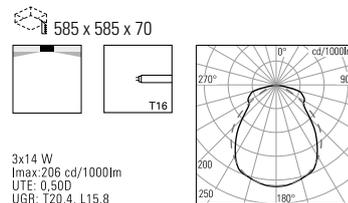
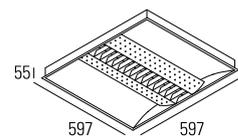


XENO HMP

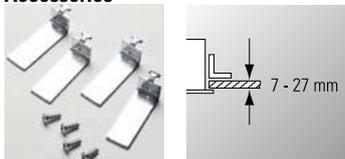


Type	Ballast	Weight (kg)	Code
3x24W T16 G5	EB, DEB, EM	4,5	1.153x.4240.1

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9



- Recessed luminaire with direct - indirect parabolic louvre for linear T16 lamps or compact TC-L lamps
- Steel sheet housing, powder coating, white colour
- Double parabolic high specular or satin aluminium louvre
- Ribbed aluminium white reflector for optimum indirect light distribution
- Integrated electronic ballast; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 hour autonomy
- Tool free easy maintenance
- Mounting kit as option for installation into false ceilings, order separately
- GST connectors and power cable as option for fast installation - see Mounting details at the end of the catalogue

Optics



HDP optic
Double (longitudinal and transverse) parabolic louvre, highly specular aluminium, high efficiency and anti-iridescence, blades closed on top, spring fastening



HMP optic
Double (longitudinal and transverse) parabolic louvre, satin aluminium high efficiency and anti-iridescence, blades closed on top, spring fastening

Range



597x597 mm



597x1197 mm

Details



Reflector made from ribbed aluminium for optimum light dispersion



The housing is ready for safe fixing on primary ceilings



Louvre and shield remains hooked on during maintenance

Options



Mounting kit is available for false ceilings fixation



GST quick connector on request for fast installation

(see Mounting details on Technical pages)

GIAS HDP

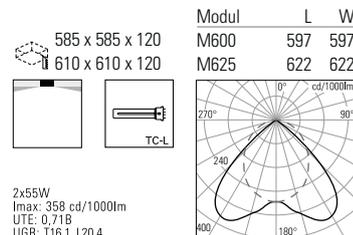
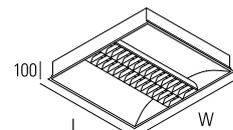


Type	Ballast	Weight (kg)	Code
2x55W TC-L 2G11	EB, DEB, EM	5,3	1.178x.2553.1

M625

2x55W TC-L 2G11	EB, DEB, EM	5,5	1.378x.2553.1
-----------------	-------------	-----	---------------

Fixtures with emergency kit module are 0,5 kg heavier.



GIAS HMP

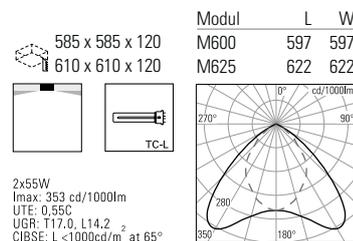
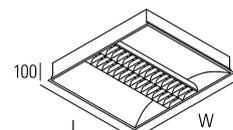


Type	Ballast	Weight (kg)	Code
2x55W TC-L 2G11	EB, DEB, EM	5,3	1.179x.2553.1

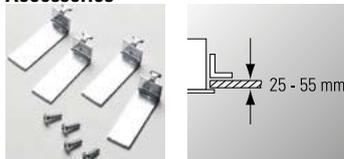
M625

2x55W TC-L 2G11	EB, DEB, EM	5,5	1.379x.2553.1
-----------------	-------------	-----	---------------

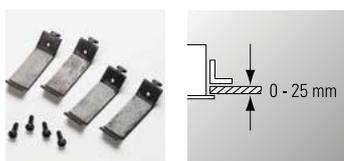
Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0



1400 ceiling mounting kit	0.1	1.4000.0000.0
---------------------------	-----	---------------

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

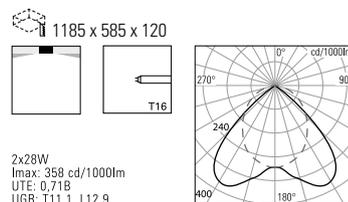
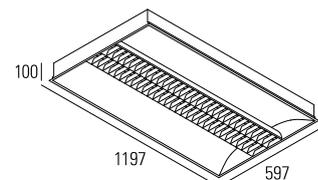
RECESSED GIAS

GIAS HDP



Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	10,5	1.178x.2280.1
2x54W T16 G5	EB, DEB, EM	10,5	1.178x.2540.1

Fixtures with emergency kit module are 0,5 kg heavier.

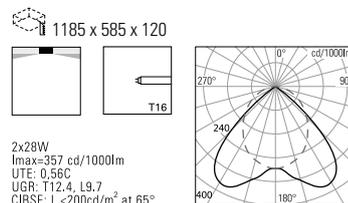
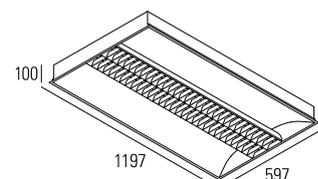


GIAS HMP

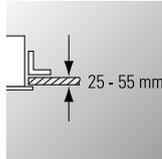


Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	10,5	1.179x.2280.1
2x54W T16 G5	EB, DEB, EM	10,5	1.179x.2540.1

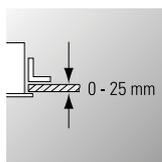
Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0



1400 ceiling mounting kit	0.1	1.4000.0000.0
---------------------------	-----	---------------

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9









- Recessed luminaire with indirect ribbed aluminium reflector for compact TC-L lamps
- Steel sheet housing, powder coating, white colour
- Side shades from steel sheet, full or perforated
- Integrated electronic ballast; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 hour autonomy
- Tool free easy maintenance
- Mounting kit as option for installation into false ceilings, order separately
- GST connectors and power cable as option for fast installation - see Mounting details at the end of the catalogue

Optics



Full side shade
Side shade made from steel sheet, powder coated, white colour



Perforated side shade
Side shade made from perforated steel sheet, powder coated, white colour

Details



Reflector made from ribbed aluminium for optimum light dispersion



The housing is ready for safe fixing on primary ceilings



Shield remains hooked on during maintenance

Options



Mounting kit is available for false ceilings fixation



GST quick connector on request for fast installation

(see Mounting details on Technical pages)

SPIRO

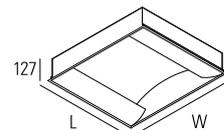


Type	Ballast	Weight (kg)	Code
2x36W TC-L 2G11	EB, DEB, EM	6,4	1.190x.2363.1
2x55W TC-L 2G11	EB, DEB, EM	5,2	1.190x.2553.1

M625

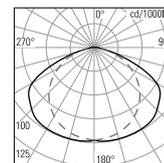
2x55W TC-L 2G11	EB, DEB, EM	6,2	1.390x.2553.1
-----------------	-------------	-----	---------------

Fixtures with emergency kit module are 0,5 kg heavier.



Modul	L	W
M600	597	597
M625	622	622

585 x 585 x 140
610 x 610 x 140



2x55W
Imax: 100 cd/1000lm
UTE: 0,34E
UGR: T21.1, L20.1

SPIRO P

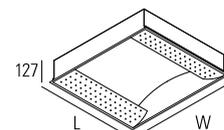


Type	Ballast	Weight (kg)	Code
2x36W TC-L 2G11	EB, DEB, EM	6,3	1.191x.2363.1
2x55W TC-L 2G11	EB, DEB, EM	5,1	1.191x.2553.1

M625

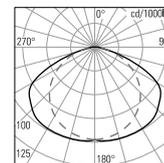
2x55W TC-L 2G11	EB, DEB, EM	6,1	1.391x.2553.1
-----------------	-------------	-----	---------------

Fixtures with emergency kit module are 0,5 kg heavier.



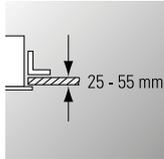
Modul	L	W
M600	597	597
M625	622	622

585 x 585 x 140
610 x 610 x 140

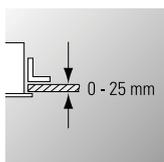


2x55W
Imax: 100 cd/1000lm
UTE: 0,34E
UGR: T21.1, L20.1

Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0

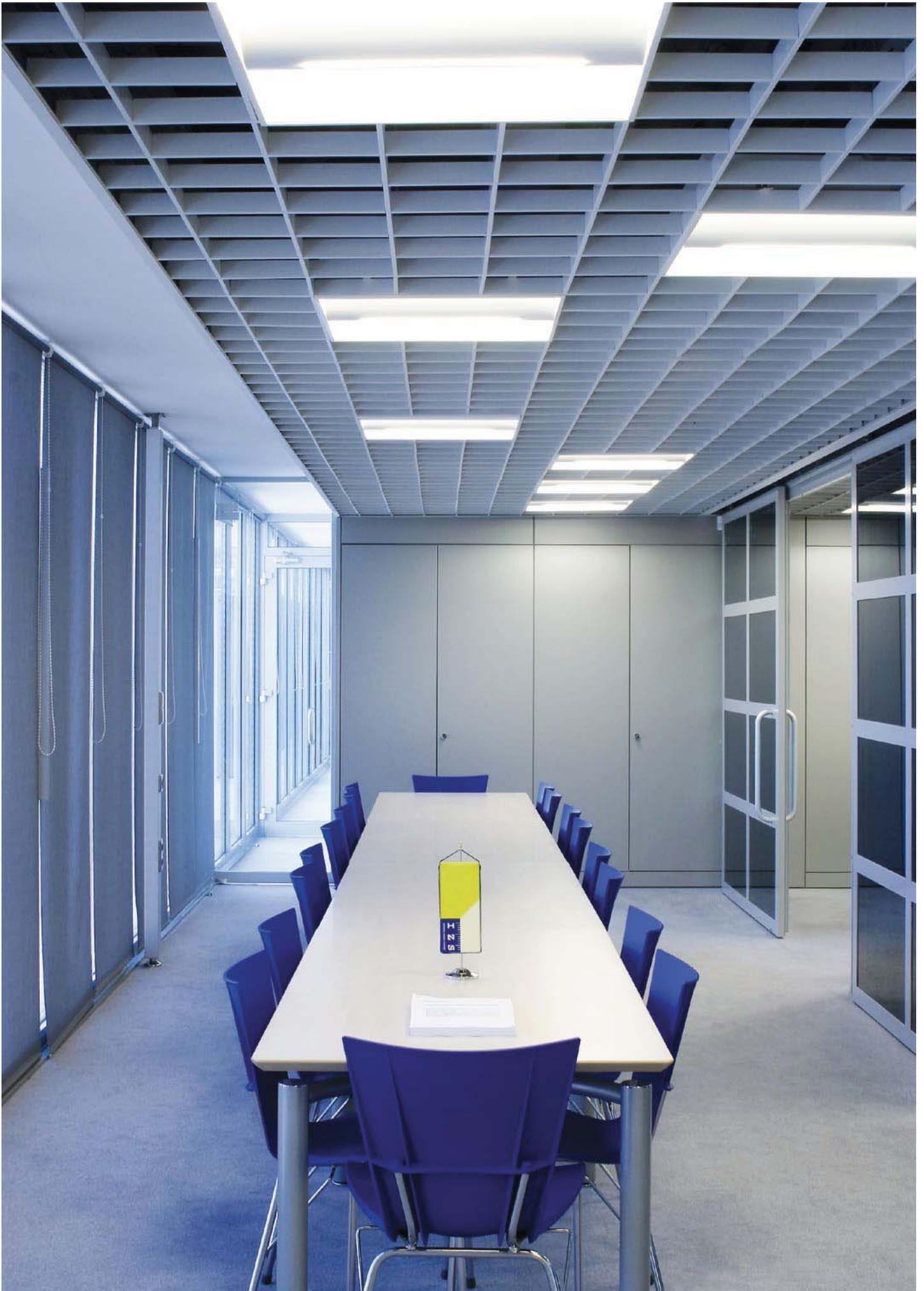


1400 ceiling mounting kit	0.1	1.4000.0000.0
---------------------------	-----	---------------

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9







- Recessed luminaire with indirect ribbed aluminium reflector for compact TC-L lamps
- Steel sheet housing, powder coating, white colour
- Central shade from steel sheet, decorative or perforated
- Integrated electronic ballast; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 hour autonomy
- Tool free easy maintenance
- Mounting kit as option for installation into false ceilings, order separately
- GST connectors and power cable as option for fast installation - see Mounting details at the end of the catalogue

Optics



Decorative central shade
Central shade made from steel sheet with integrated decorative semitransparent polymethylacrylate (PMMA), powder coated, white colour



Perforated central shade
Central shade made from perforated steel sheet, powder coated, white colour

Details



Reflector made from ribbed aluminium for optimum light dispersion



The housing is ready for safe fixing on primary ceilings



Shield remains hooked on during maintenance

Options



Mounting kit is available for false ceilings fixation



GST quick connector on request for fast installation

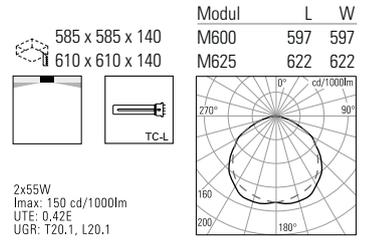
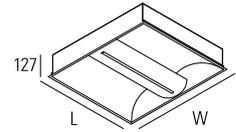
(see Mounting details on Technical pages)

VIRGO

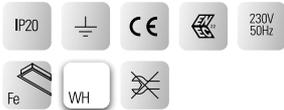


Type	Ballast	Weight (kg)	Code
2x36W TC-L 2G11	EB, DEB, EM	6,6	1.180x.2363.1
2x55W TC-L 2G11	EB, DEB, EM	5,5	1.180x.2553.1
M625			
2x55W TC-L 2G11	EB, DEB, EM	6,1	1.380x.2553.1

Fixtures with emergency kit module are 0,5 kg heavier.

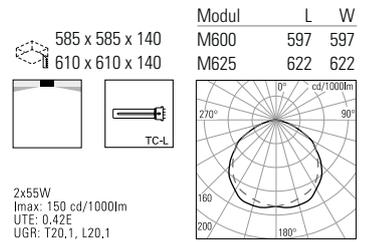
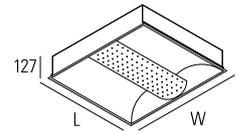


VIRGO P

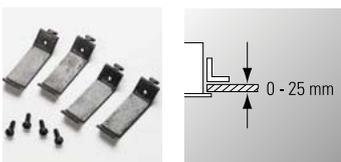
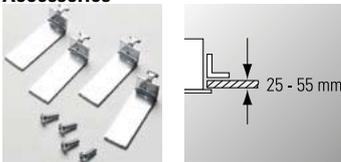


Type	Ballast	Weight (kg)	Code
2x36W TC-L 2G11	EB, DEB, EM	6,5	1.181x.2363.1
2x55W TC-L 2G11	EB, DEB, EM	5,4	1.181x.2553.1
M625			
2x55W TC-L 2G11	EB, DEB, EM	6	1.381x.2553.1

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0
1400 ceiling mounting kit	0.1	1.4000.0000.0

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9



- Recessed luminaire with indirect aluminium reflector for compact TC-L lamps
- Steel sheet housing, powder coating, white colour
- Central shade from steel sheet, full or perforated
- Emergency kit version with 1 hour autonomy
- Tool free easy maintenance
- Mounting kit as option for installation into false ceilings, order separately
- GST connectors and power cable as option for fast installation - see Mounting details at the end of the catalogue

Optics



Full central shade
Central shade made from steel sheet with, powder coated, white colour



Perforated central shade
Central shade made from perforated steel sheet, powder coated, white colour

Details



Reflector made from steel sheet, white colour, high reflectance



The housing is ready for safe fixing on primary ceilings



Shield remains hooked on during maintenance

Options



Mounting kit is available for false ceilings fixation



GST quick connector on request for fast installation

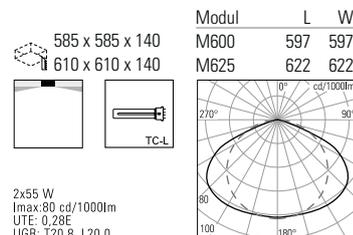
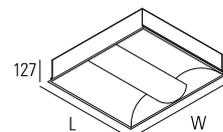
(see Mounting details on Technical pages)

118



Type	Ballast	Weight (kg)	Code
2x36W TC-L 2G11	EB, EM	7,1	1.280x.2363.1
2x55W TC-L 2G11	EB, DEB, EM	6,1	1.280x.2553.1
M625			
2x36W TC-L 2G11	EB, EM	8,1	1.480x.2363.1
2x55W TC-L 2G11	EB, DEB, EM	7	1.480x.2553.1

Fixtures with emergency kit module are 0,5 kg heavier.

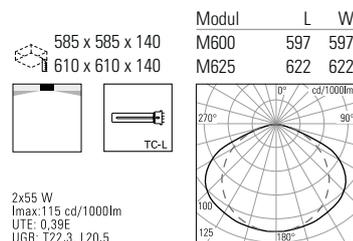
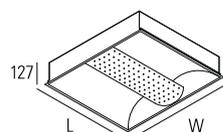


118 P

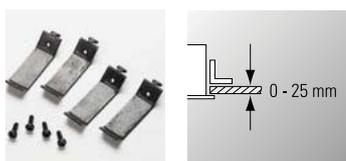
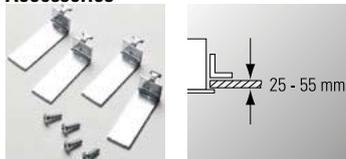


Type	Ballast	Weight (kg)	Code
2x36W TC-L 2G11	EB, EM	7,1	1.281x.2363.1
2x55W TC-L 2G11	EB, DEB, EM	6,1	1.281x.2553.1
M625			
2x36W TC-L 2G11	EB, EM	8,1	1.481x.2363.1
2x55W TC-L 2G11	EB, DEB, EM	7	1.481x.2553.1

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
1300 ceiling mounting kit	0.1	1.3000.0000.0
1400 ceiling mounting kit	0.1	1.4000.0000.0

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

MIVA

EXTREME EFFICIENCY
EXCELLENT GLARE CONTROL
RAPID INSTALLATION AND
MAINTENANCE



MIVA



p 79



p 79



p 85

201



p 93



p 94



p 95

212



p 99



p 100



p 101

216



p 105



p 106



p 109

246

ETEA



p 111

5100



p 117

5350



p 125

MODUS



p 127



p 128

CEILING AND SUSPENDED



Single-lamp versions

Scale 1:5

MIVA

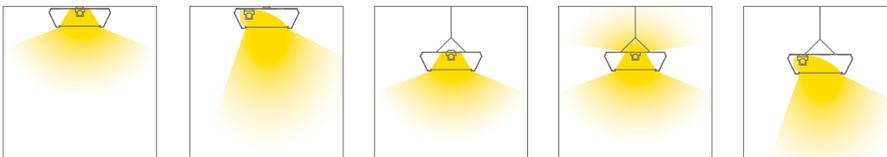
This high-performance lighting fixture sets new standards in interior lighting. The multi-functional and modular system offers a diverse selection of optics to enable maximum performance in all situations. Single or double-lamp versions allow flexibility in the modular systems as well as the stand-alone fixture.



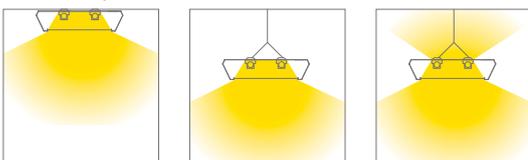
Double-lamp versions

Family range

Single-lamp versions



Double-lamp versions



High Efficiency optics

Specially designed optics in combination with super reflective silver-coated aluminium materials enable Miva to reach a high efficiency of more than 91% with excellent glare control. These features enable applications in many different situations especially those with the highest illumination demands.



Daylight and presence sensor

For optimum performance, high efficiency optics are not enough. With intelligent daylight and presence detection systems is possible to increase energy savings dramatically. It's very important that such systems are easy to install and easy to use. With a simple rotation on the sensor the user can select one of six different application modes such as single or open-space office, meeting room, corridor, etc.



Pendant version

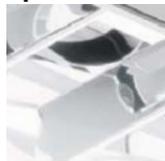
All Miva fixtures are ready for pendant version. Adjustable wire suspension set and power outlet are available in 1,5 m and 3 m standard lengths. Others on request.

Miva is available also as Miva Line system for continuous line realisation. See 'Lighting systems' chapter.



- Ceiling mounted / suspended luminaire with direct or direct-indirect optics for linear T16 lamps
- Available also as continuous modular system – see Miva Line
- Steel sheet housing, powder coating, white or silver grey colour
- High efficiency double parabolic highly specular or satin silver-coated (HDP, HMP) or specular (DP, MP) aluminium louvre; direct or direct/indirect illumination
- PMMA microprismatic or opal PC diffuser
- Satin aluminium asymmetrical parabolic reflector
- Integrated electronic ballast (EB) or dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 hour autonomy
- Tool free easy maintenance
- Suspension kit and power cable with ceiling cup available in 1,5 and 3 m length - order separately

Optics



HDP/DP optic
Double parabolic louvre, highly specular silver-coated (HDP) or specular (DP) aluminium, high efficiency and anti iridescence, blades closed on top, spring fastening, glare reduction in accordance with EN 12464



HMP/MP optic
Double parabolic louvre, satin silver-coated (HMP) or satin (MP) aluminium, high efficiency and anti iridescence, blades closed on top, spring fastening, glare reduction in accordance with EN 12464



PR diffuser
Highly transparent PMMA micro-prismatic diffuser with silver-coated aluminium reflector



GL diffuser
Opal PC diffuser



AS optic
Satin aluminium asymmetrical parabolic reflector, anti-iridescence

Range



Single lamp version



Double lamp version



Asymmetrical lamp version

Details



Louvre remains hooked on during maintenance



Indirect illumination available with HDP/DP and HMP/MP optics

Options



Intelligent ballast available on request



Power cable with ceiling cup – order separately



Adjustable wire suspension kit – order separately

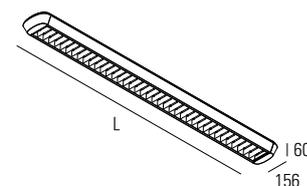
MIVA HDP



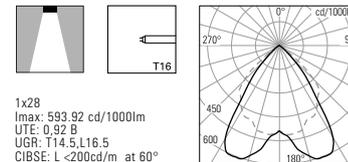
Type	Ballast	Weight (kg)	Code
Versions with direct optic			
1x28W T16 G5	EB, DEB, EM	2,5	2.511x.1100.y
1x54W T16 G5	EB, DEB, EM	2,5	2.511x.1400.y
1x35W T16 G5	EB, DEB, EM	3,1	2.511x.1200.y
1x49W T16 G5	EB, DEB, EM	3,1	2.511x.1300.y
Versions with direct/indirect optic			
1x28W T16 G5	EB, DEB, EM	2,5	2.521x.1100.y
1x54W T16 G5	EB, DEB, EM	2,5	2.521x.1400.y
1x35W T16 G5	EB, DEB, EM	3,1	2.521x.1200.y
1x49W T16 G5	EB, DEB, EM	3,1	2.521x.1300.y

Suspension set for pendant version must be ordered separately.
 Fixtures with emergency kit module are 0,5 kg heavier.

For Miva HDP/HMP direct/indirect photometric information see 'Photometrics' at technical pages.



Power (W)	L
1x28/54	1287
1x35/49	1587



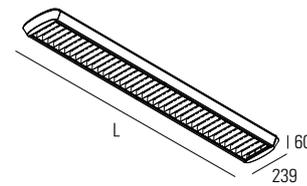
MIVA HDP



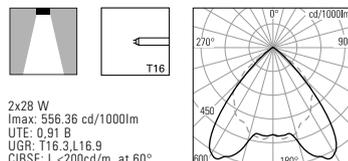
Type	Ballast	Weight (kg)	Code
Versions with direct optic			
2x28W T16 G5	EB, DEB, EM	2,8	2.511x.2100.y
2x54W T16 G5	EB, DEB, EM	2,8	2.511x.2400.y
2x35W T16 G5	EB, DEB, EM	3,5	2.511x.2200.y
2x49W T16 G5	EB, DEB, EM	3,5	2.511x.2300.y
Versions with direct/indirect optic			
2x28W T16 G5	EB, DEB, EM	2,8	2.521x.2100.y
2x54W T16 G5	EB, DEB, EM	2,8	2.521x.2400.y
2x35W T16 G5	EB, DEB, EM	3,5	2.521x.2200.y
2x49W T16 G5	EB, DEB, EM	3,5	2.521x.2300.y

Suspension set for pendant version must be ordered separately.
 Fixtures with emergency kit module are 0,5 kg heavier.

For Miva HDP/HMP direct/indirect photometric information see 'Photometrics' at technical pages.



Power (W)	L
2x28/54	1281
2x35/49	1581



Accessories



Type	Code
Adjustable wire suspension set L=1500 mm	2.5000.0013.0
Adjustable wire suspension set L=3000 mm	2.5000.0030.0

One set include two individually adjustable wire suspensions.

Power outlet 3x0,75mm ² L=1500 mm	3.7200.0117.y
Power outlet 3x0,75mm ² L=3000 mm	3.7200.0137.y
Power outlet 5x0,75mm ² L=1500 mm	3.6200.0017.y
Power outlet 5x0,75mm ² L=3000 mm	3.6200.0037.y

Code definition for ballast, emergency kit and colour options

Ballast options	Code (x)	Emergency kit options	Code (x)	Colour	Code (y)
EB	4	EB EM 1h	7	White	1
DEB - DALI	1	DEB - DALI EM 1h	2	Silver grey	5
DEB - DSI	5	DEB - DSI EM 1h	8		
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9		

CEILING AND SUSPENDED MIVA

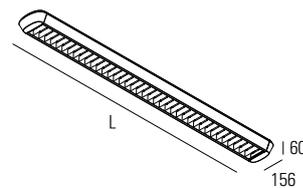
MIVA HMP



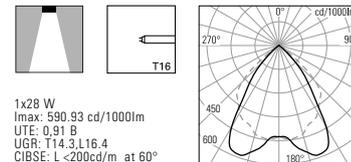
Type	Ballast	Weight (kg)	Code
Versions with direct optic			
1x28W T16 G5	EB, DEB, EM	2,5	2.512x.1100.y
1x54W T16 G5	EB, DEB, EM	2,5	2.512x.1400.y
1x35W T16 G5	EB, DEB, EM	3,1	2.512x.1200.y
1x49W T16 G5	EB, DEB, EM	3,1	2.512x.1300.y
Versions with direct/indirect optic			
1x28W T16 G5	EB, DEB, EM	2,5	2.522x.1100.y
1x54W T16 G5	EB, DEB, EM	2,5	2.522x.1400.y
1x35W T16 G5	EB, DEB, EM	3,1	2.522x.1200.y
1x49W T16 G5	EB, DEB, EM	3,1	2.522x.1300.y

Suspension set for pendant version must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.

For Miva HDP/HMP direct/indirect photometric information see 'Photometrics' at technical pages.



Power (W)	L
1x28/54	1287
1x35/49	1587



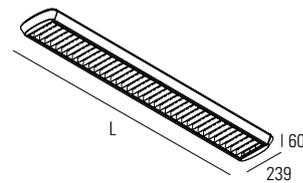
MIVA HMP



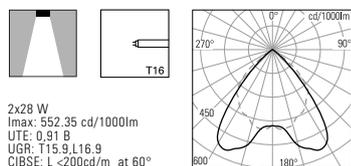
Type	Ballast	Weight (kg)	Code
Versions with direct optic			
2x28W T16 G5	EB, DEB, EM	2,8	2.512x.2100.y
2x54W T16 G5	EB, DEB, EM	2,8	2.512x.2400.y
2x35W T16 G5	EB, DEB, EM	3,5	2.512x.2200.y
2x49W T16 G5	EB, DEB, EM	3,5	2.512x.2300.y
Versions with direct/indirect optic			
2x28W T16 G5	EB, DEB, EM	2,8	2.522x.2100.y
2x54W T16 G5	EB, DEB, EM	2,8	2.522x.2400.y
2x35W T16 G5	EB, DEB, EM	3,5	2.522x.2200.y
2x49W T16 G5	EB, DEB, EM	3,5	2.522x.2300.y

Suspension set for pendant version must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.

For Miva HDP/HMP direct/indirect photometric information see 'Photometrics' at technical pages.



Power (W)	L
2x28/54	1281
2x35/49	1581



Accessories



Type	Code
Adjustable wire suspension set L=1500 mm	2.5000.0013.0
Adjustable wire suspension set L=3000 mm	2.5000.0030.0

One set include two individually adjustable wire suspensions.

Power outlet 3x0,75mm ² L=1500 mm	3.7200.0117.y
Power outlet 3x0,75mm ² L=3000 mm	3.7200.0137.y

Power outlet 5x0,75mm ² L=1500 mm	3.6200.0017.y
Power outlet 5x0,75mm ² L=3000 mm	3.6200.0037.y

Code definition for ballast, emergency kit and colour options

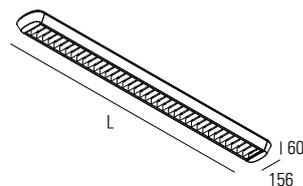
Ballast options	Code (x)	Emergency kit options	Code (x)	Colour	Code (y)
EB	4	EB EM 1h	7	White	1
DEB - DALI	1	DEB - DALI EM 1h	2	Silver grey	5
DEB - DSI	5	DEB - DSI EM 1h	8		
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9		

MIVA DP

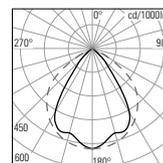


Type	Ballast	Weight (kg)	Code
Versions with direct optic			
1x28W T16 G5	EB, DEB, EM	2,5	2.516x.1100.y
1x54W T16 G5	EB, DEB, EM	2,5	2.516x.1400.y
1x35W T16 G5	EB, DEB, EM	3,1	2.516x.1200.y
1x49W T16 G5	EB, DEB, EM	3,1	2.516x.1300.y
Versions with direct/indirect optic			
1x28W T16 G5	EB, DEB, EM	2,5	2.526x.1100.y
1x54W T16 G5	EB, DEB, EM	2,5	2.526x.1400.y
1x35W T16 G5	EB, DEB, EM	3,1	2.526x.1200.y
1x49W T16 G5	EB, DEB, EM	3,1	2.526x.1300.y

Suspension set for pendant version must be ordered separately.
 Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L
1x28/54	1287
1x35/49	1587



1x28 W
 Imax: 490 cd/1000lm
 UTE: 0,79B
 UGR: T13.4, L17.7

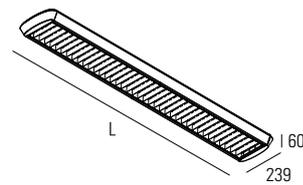


MIVA DP

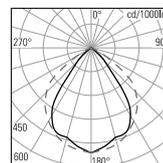


Type	Ballast	Weight (kg)	Code
Versions with direct optic			
2x28W T16 G5	EB, DEB, EM	2,8	2.516x.2100.y
2x54W T16 G5	EB, DEB, EM	2,8	2.516x.2400.y
2x35W T16 G5	EB, DEB, EM	3,5	2.516x.2200.y
2x49W T16 G5	EB, DEB, EM	3,5	2.516x.2300.y
Versions with direct/indirect optic			
2x28W T16 G5	EB, DEB, EM	2,8	2.526x.2100.y
2x54W T16 G5	EB, DEB, EM	2,8	2.526x.2400.y
2x35W T16 G5	EB, DEB, EM	3,5	2.526x.2200.y
2x49W T16 G5	EB, DEB, EM	3,5	2.526x.2300.y

Suspension set for pendant version must be ordered separately.
 Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L
2x28/54	1281
2x35/49	1581



2x28 W
 Imax: 512 cd/1000lm
 UTE: 0,89B
 UGR: T14.6, L18.8



Accessories



Type	Code
Adjustable wire suspension set L=1500 mm	2.5000.0013.0
Adjustable wire suspension set L=3000 mm	2.5000.0030.0

One set include two individually adjustable wire suspensions.



Power outlet 3x0,75mm ² L=1500 mm	3.7200.0117.y
Power outlet 3x0,75mm ² L=3000 mm	3.7200.0137.y
Power outlet 5x0,75mm ² L=1500 mm	3.6200.0017.y
Power outlet 5x0,75mm ² L=3000 mm	3.6200.0037.y

Code definition for ballast, emergency kit and colour options

Ballast options	Code (x)	Emergency kit options	Code (x)	Colour	Code (y)
EB	4	EB EM 1h	7	White	1
DEB - DALI	1	DEB - DALI EM 1h	2	Silver grey	5
DEB - DSI	5	DEB - DSI EM 1h	8		
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9		

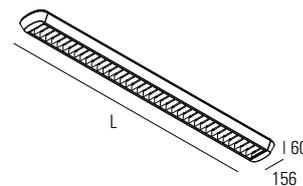
CEILING AND SUSPENDED MIVA

MIVA MP

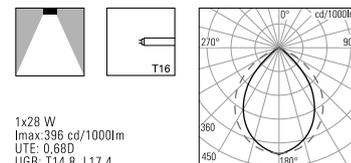


Type	Ballast	Weight (kg)	Code
Versions with direct optic			
1x28W T16 G5	EB, DEB, EM	2,5	2.517x.1100.y
1x54W T16 G5	EB, DEB, EM	2,5	2.517x.1400.y
1x35W T16 G5	EB, DEB, EM	3,1	2.517x.1200.y
1x49W T16 G5	EB, DEB, EM	3,1	2.517x.1300.y
Versions with direct/indirect optic			
1x28W T16 G5	EB, DEB, EM	2,5	2.527x.1100.y
1x54W T16 G5	EB, DEB, EM	2,5	2.527x.1400.y
1x35W T16 G5	EB, DEB, EM	3,1	2.527x.1200.y
1x49W T16 G5	EB, DEB, EM	3,1	2.527x.1300.y

Suspension set for pendant version must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L
1x28/54	1287
1x35/49	1587

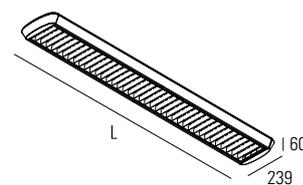


MIVA MP

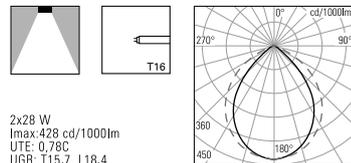


Type	Ballast	Weight (kg)	Code
Versions with direct optic			
2x28W T16 G5	EB, DEB, EM	2,8	2.517x.2100.y
2x54W T16 G5	EB, DEB, EM	2,8	2.517x.2400.y
2x35W T16 G5	EB, DEB, EM	3,5	2.517x.2200.y
2x49W T16 G5	EB, DEB, EM	3,5	2.517x.2300.y
Versions with direct/indirect optic			
2x28W T16 G5	EB, DEB, EM	2,8	2.527x.2100.y
2x54W T16 G5	EB, DEB, EM	2,8	2.527x.2400.y
2x35W T16 G5	EB, DEB, EM	3,5	2.527x.2200.y
2x49W T16 G5	EB, DEB, EM	3,5	2.527x.2300.y

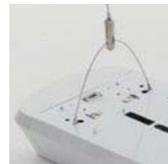
Suspension set for pendant version must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L
2x28/54	1281
2x35/49	1581



Accessories



Type	Code
Adjustable wire suspension set L=1500 mm	2.5000.0013.0
Adjustable wire suspension set L=3000 mm	2.5000.0030.0

One set include two individually adjustable wire suspensions.

Power outlet 3x0,75mm ² L=1500 mm	3.7200.0117.y
Power outlet 3x0,75mm ² L=3000 mm	3.7200.0137.y
Power outlet 5x0,75mm ² L=1500 mm	3.6200.0017.y
Power outlet 5x0,75mm ² L=3000 mm	3.6200.0037.y

Code definition for ballast, emergency kit and colour options

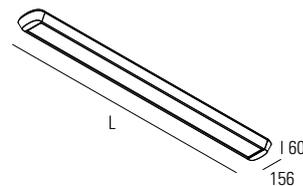
Ballast options	Code (x)	Emergency kit options	Code (x)	Colour	Code (y)
EB	4	EB EM 1h	7	White	1
DEB - DALI	1	DEB - DALI EM 1h	2	Silver grey	5
DEB - DSI	5	DEB - DSI EM 1h	8		
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9		

MIVA GL

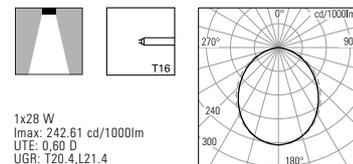


Type	Ballast	Weight (kg)	Code
Versions with direct optic			
1x28W T16 G5	EB, DEB, EM	2,7	2.513x.1100.y
1x54W T16 G5	EB, DEB, EM	2,7	2.513x.1400.y
1x35W T16 G5	EB, DEB, EM	3,3	2.513x.1200.y
1x49W T16 G5	EB, DEB, EM	3,3	2.513x.1300.y

Suspension set for pendant version must be ordered separately.
 Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L
1x28/54	1287
1x35/49	1587

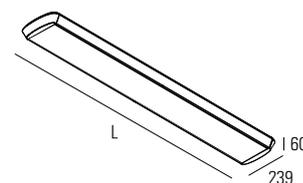


MIVA GL

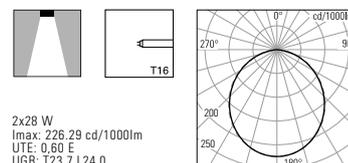


Type	Ballast	Weight (kg)	Code
Versions with direct optic			
2x28W T16 G5	EB, DEB, EM	3,0	2.513x.2100.y
2x54W T16 G5	EB, DEB, EM	3,0	2.513x.2400.y
2x35W T16 G5	EB, DEB, EM	3,8	2.513x.2200.y
2x49W T16 G5	EB, DEB, EM	3,8	2.513x.2300.y

Suspension set for pendant version must be ordered separately.
 Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L
2x28/54	1281
2x35/49	1581



Accessories



Type	Code
Adjustable wire suspension set L=1500 mm	2.5000.0013.0
Adjustable wire suspension set L=3000 mm	2.5000.0030.0

One set include two individually adjustable wire suspensions.

Power outlet 3x0,75mm ² L=1500 mm	3.7200.0117.y
Power outlet 3x0,75mm ² L=3000 mm	3.7200.0137.y

Power outlet 5x0,75mm ² L=1500 mm	3.6200.0017.y
Power outlet 5x0,75mm ² L=3000 mm	3.6200.0037.y

Code definition for ballast, emergency kit and colour options

Ballast options	Code (x)	Emergency kit options	Code (x)	Colour	Code (y)
EB	4	EB EM 1h	7	White	1
DEB - DALI	1	DEB - DALI EM 1h	2	Silver grey	5
DEB - DSI	5	DEB - DSI EM 1h	8		
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9		

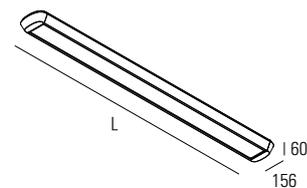
CEILING AND SUSPENDED MIVA

MIVA PR

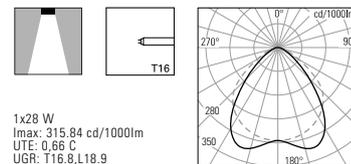


Type	Ballast	Weight (kg)	Code
Versions with direct optic			
1x28W T16 G5	EB, DEB, EM	2,7	2.514x.1100.y
1x54W T16 G5	EB, DEB, EM	2,7	2.514x.1400.y
1x35W T16 G5	EB, DEB, EM	3,3	2.514x.1200.y
1x49W T16 G5	EB, DEB, EM	3,3	2.514x.1300.y

Suspension set for pendant version must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L
1x28/54	1287
1x35/49	1587

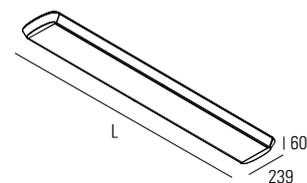


MIVA PR

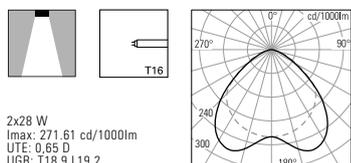


Type	Ballast	Weight (kg)	Code
Versions with direct optic			
2x28W T16 G5	EB, DEB, EM	3,0	2.514x.2100.y
2x54W T16 G5	EB, DEB, EM	3,0	2.514x.2400.y
2x35W T16 G5	EB, DEB, EM	3,8	2.514x.2200.y
2x49W T16 G5	EB, DEB, EM	3,8	2.514x.2300.y

Suspension set for pendant version must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L
2x28/54	1281
2x35/49	1581



Accessories

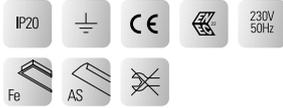


Type	Code
Adjustable wire suspension set L=1500 mm	2.5000.0013.0
Adjustable wire suspension set L=3000 mm	2.5000.0030.0
One set include two individually adjustable wire suspensions.	
Power outlet 3x0,75mm ² L=1500 mm	3.7200.0117.y
Power outlet 3x0,75mm ² L=3000 mm	3.7200.0137.y
Power outlet 5x0,75mm ² L=1500 mm	3.6200.0017.y
Power outlet 5x0,75mm ² L=3000 mm	3.6200.0037.y

Code definition for ballast, emergency kit and colour options

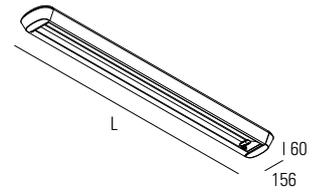
Ballast options	Code (x)	Emergency kit options	Code (x)	Colour	Code (y)
EB	4	EB EM 1h	7	White	1
DEB - DALI	1	DEB - DALI EM 1h	2	Silver grey	5
DEB - DSI	5	DEB - DSI EM 1h	8		
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9		

MIVA AS

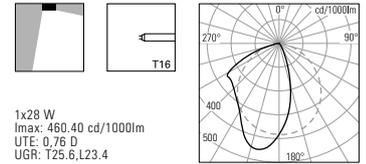


Type	Ballast	Weight (kg)	Code
1x28W T16 G5	EB, DEB	2,4	2.514x.1100.y
1x54W T16 G5	EB, DEB	2,4	2.514x.1400.y
1x35W T16 G5	EB, DEB	2,7	2.514x.1200.y
1x49W T16 G5	EB, DEB	2,7	2.514x.1300.y

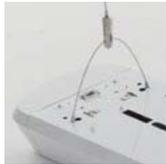
Suspension set for pendant version must be ordered separately.



Power (W)	L
1x28/54	1301
1x35/49	1601



Accessories



Type	Code
Adjustable wire suspension set L=1500 mm	2.5000.0013.0
Adjustable wire suspension set L=3000 mm	2.5000.0030.0

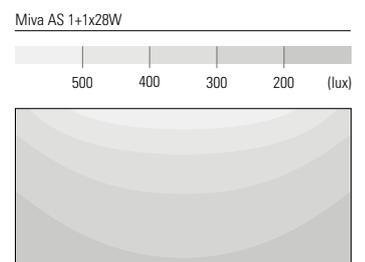
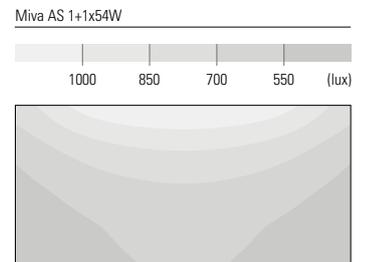
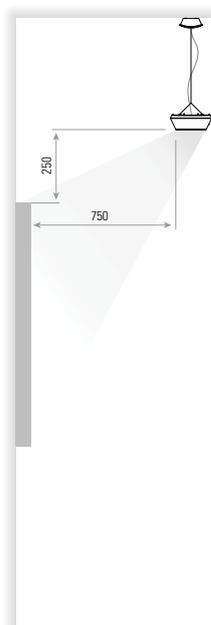
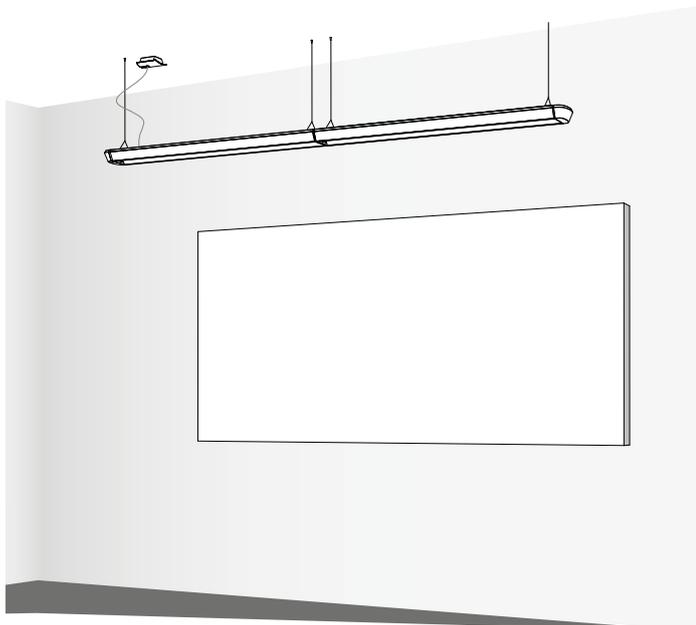
One set include two individually adjustable wire suspensions.

Power outlet 3x0,75mm ² L=1500 mm	3.7200.0117.y
Power outlet 3x0,75mm ² L=3000 mm	3.7200.0137.y
Power outlet 5x0,75mm ² L=1500 mm	3.6200.0017.y
Power outlet 5x0,75mm ² L=3000 mm	3.6200.0037.y

Code definition for ballast and colour options

Ballast options	Code (x)	Colour	Code (y)
EB	4	White	1
DEB - DALI	1	Silver grey	5
DEB - DSI	5		
DEB 1 - 10V	3		

Blackboard illumination

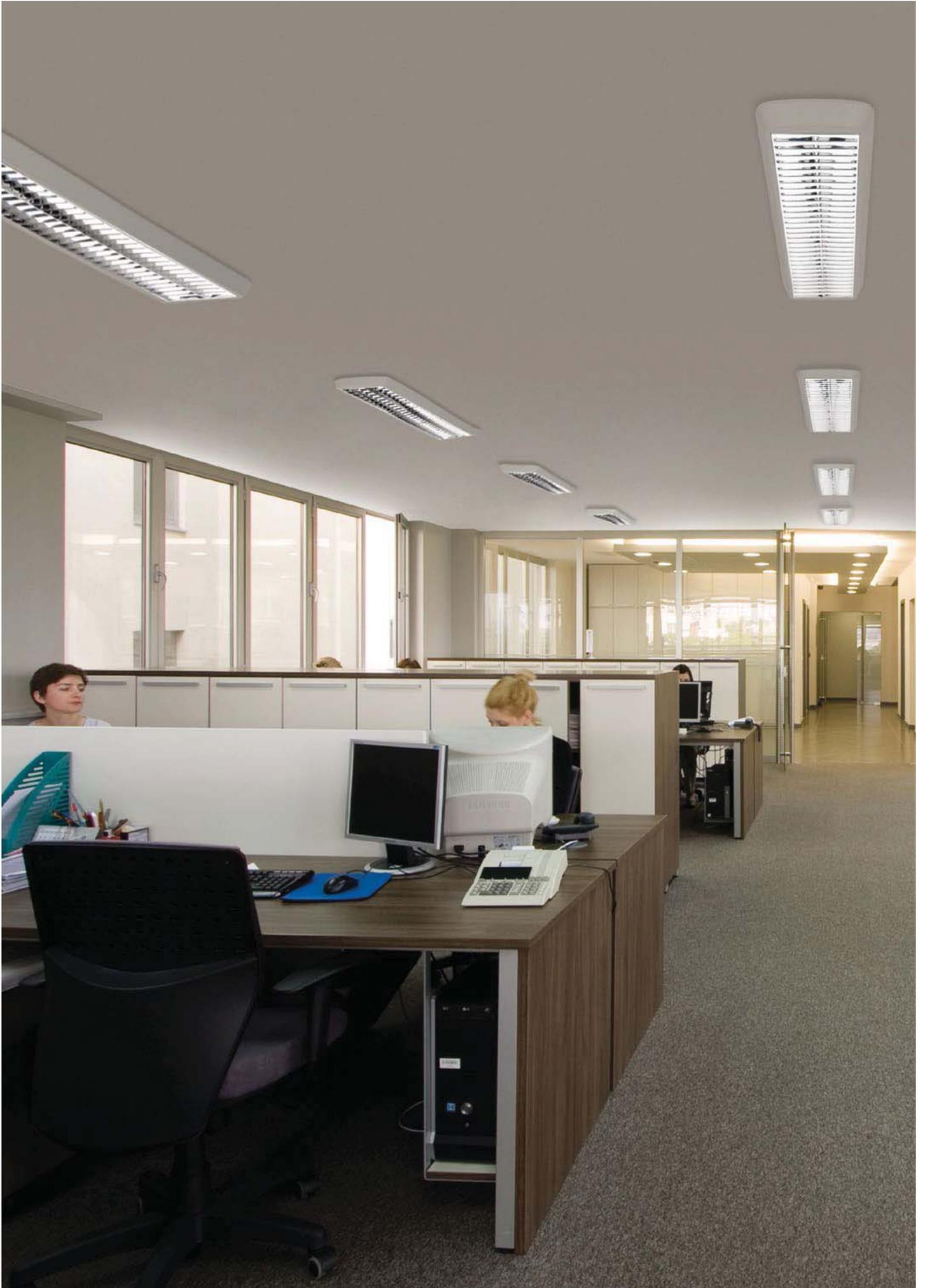
















- Ceiling mounted luminaire with direct parabolic louvre for linear T16 lamps
- Steel sheet housing, powder coating, white colour
- Double parabolic specular or satin aluminium louvre
- Integrated electronic ballast; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 hour autonomy
- Tool free easy maintenance
- Suspension kit available - order separately

Optics



DP optic
 Double (longitudinal and transverse) parabolic louvre, highly specular aluminium, high efficiency and anti-iridescence, blades closed on top, spring fastening, glare reduction in accordance with EN 12464

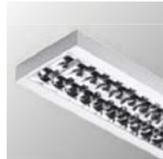


MP optic
 Double (longitudinal and transverse) parabolic louvre, satin aluminium high efficiency and anti-iridescence, blades closed on top, spring fastening

Range



width 600 mm



width 250 mm



width 167 mm

Details



No need to remove central part for installation



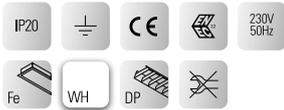
Louvre remains hooked on during maintenance

Options



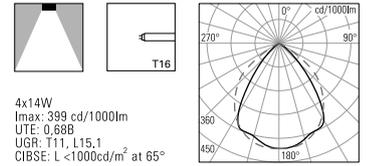
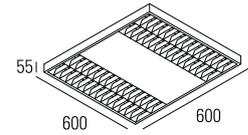
Adjustable suspension kit available for 197 and 250 mm width dimension - order separately

201 DP



Type	Ballast	Weight (kg)	Code
4x14W T16 G5	EB, DEB, EM	4,1	2.010x.4141.1
4x24W T16 G5	EB, DEB, EM	4,1	2.010x.4241.1

Fixtures with emergency kit module are 0,5 kg heavier.

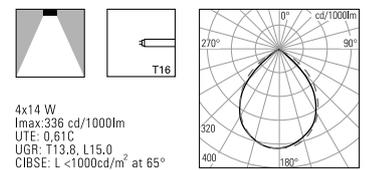
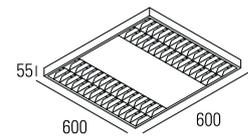


201 MP



Type	Ballast	Weight (kg)	Code
4x14W T16 G5	EB, DEB, EM	4,1	2.013x.4141.1
4x24W T16 G5	EB, DEB, EM	4,1	2.013x.4241.1

Fixtures with emergency kit module are 0,5 kg heavier.



Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

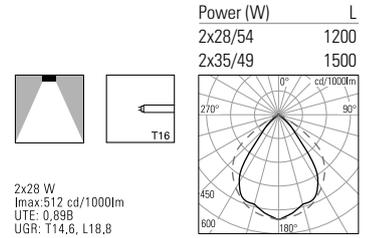
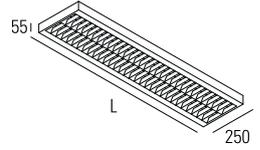
CEILING AND SUSPENDED 201

201 DP



Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	3,6	2.010x.2281.1
2x54W T16 G5	EB, DEB, EM	3,6	2.010x.2541.1
2x35W T16 G5	EB, DEB, EM	4,3	2.010x.2351.1
2x49W T16 G5	EB, DEB, EM	4,3	2.010x.2491.1

Fixtures with emergency kit module are 0,5 kg heavier.

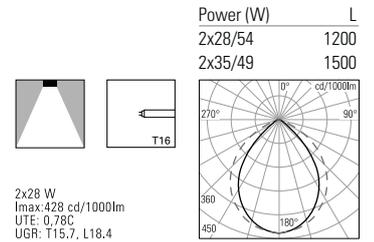
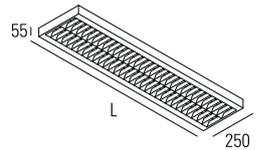


201 MP



Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	3,6	2.013x.2281.1
2x54W T16 G5	EB, DEB, EM	3,6	2.013x.2541.1
2x35W T16 G5	EB, DEB, EM	4,3	2.013x.2351.1
2x49W T16 G5	EB, DEB, EM	4,3	2.013x.2491.1

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
Suspension set 201	0.2	2.1100.0000.0

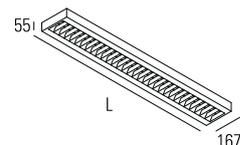
Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

201 DP



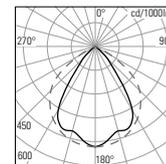
Type	Ballast	Weight (kg)	Code
1x28W T16 G5	EB, DEB	3,5	2.010x.1281.1
1x54W T16 G5	EB, DEB	3,5	2.010x.1541.1
1x35W T16 G5	EB, DEB	4,2	2.010x.1351.1
1x49W T16 G5	EB, DEB	4,2	2.010x.1491.1



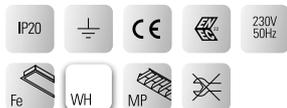
Power (W)	L
1x28/54	1200
1x35/49	1500



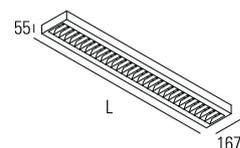
1x28 W
Imax: 480 cd/1000lm
UTE: 0,79B
UGR: T13.4, L17.7



201 MP



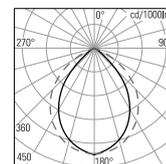
Type	Ballast	Weight (kg)	Code
1x28W T16 G5	EB, DEB	3,5	2.013x.1281.1
1x54W T16 G5	EB, DEB	3,5	2.013x.1541.1
1x35W T16 G5	EB, DEB	4,2	2.013x.1351.1
1x49W T16 G5	EB, DEB	4,2	2.013x.1491.1



Power (W)	L
1x28/54	1200
1x35/49	1500



1x28 W
Imax: 396 cd/1000lm
UTE: 0,68D
UGR: T14.8, L17.4



Code definition for ballast

Ballast options	Code (x)
EB	4
DEB - DALI	1
DEB - DSI	5
DEB 1 - 10V	3







- Ceiling mounted luminaire with direct parabolic louvre for linear T26 lamps
- Steel sheet housing, powder coating, white colour
- Double parabolic specular or satin aluminium louvre
- Integrated electronic ballast; on request
- also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 hour autonomy
- Tool free easy maintenance
- Suspension kit available - order separately

Optics



BP optic
Double (longitudinal and transverse) parabolic louvre, specular aluminium, high efficiency and anti-iridescence, blades closed on top, spring fastening, glare reduction in accordance with EN 12464



MP optic
Double (longitudinal and transverse) parabolic louvre, satin aluminium high efficiency and anti-iridescence, blades closed on top, spring fastening

Range



width 600 mm



width 300 mm



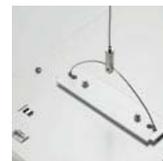
width 185 mm

Details



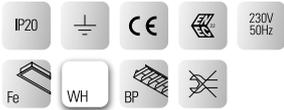
Louvre remains hooked on during maintenance

Options



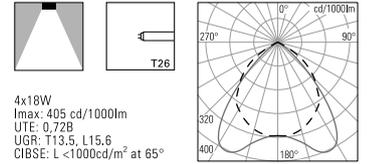
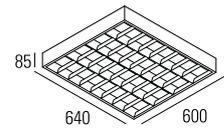
Adjustable suspension kit available only for two lamp versions - order separately

212 BP



Type	Ballast	Weight (kg)	Code
4x18W T26 G13	EB, DEB, EM	5,0	2.121x.4182.1

Fixtures with emergency kit module are 0,5 kg heavier.

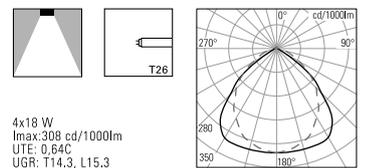
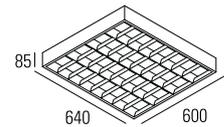


212 MP



Type	Ballast	Weight (kg)	Code
4x18W T26 G13	EB, DEB, EM	5,0	2.123x.4182.1

Fixtures with emergency kit module are 0,5 kg heavier.



Code definition for ballast and emergency kit

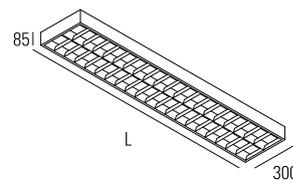
Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

212 BP

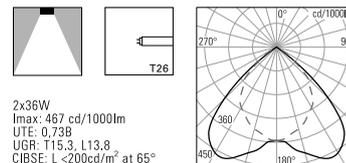


Type	Ballast	Weight (kg)	Code
2x18W T26 G13	EB, DEB	3,1	2.121x.2182.1
2x36W T26 G13	EB, DEB, EM	5,9	2.121x.2362.1
2x58W T26 G13	EB, DEB, EM	6,9	2.121x.2582.1

Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L
2x18	650
2x36	1250
2x58	1550

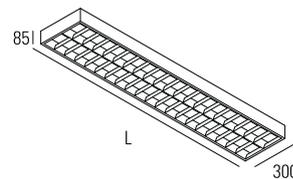


212 MP

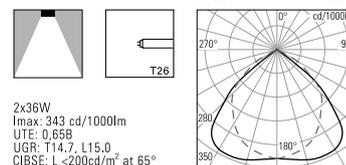


Type	Ballast	Weight (kg)	Code
2x18W T26 G13	EB, DEB	3,1	2.123x.2182.1
2x36W T26 G13	EB, DEB, EM	5,9	2.123x.2362.1
2x58W T26 G13	EB, DEB, EM	6,9	2.123x.2582.1

Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L
2x18	650
2x36	1250
2x58	1550



Accessories

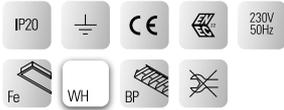


Type	Weight (kg)	Code
Suspension set 201	0.2	2.1100.0000.0

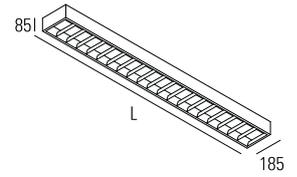
Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

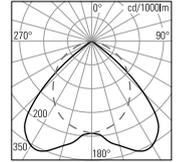
212 BP



Type	Ballast	Weight (kg)	Code
1x36W T26 G13	EB, DEB	4,0	2.121x.1362.1
1x58W T26 G13	EB, DEB	4,7	2.121x.1582.1

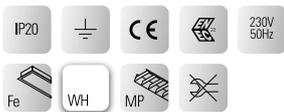


Power (W)	L
1x36	1250
1x58	1550

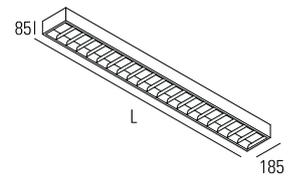


1x36W
 I_{max}: 359 cd/1000lm
 UTE: 0,71B
 UGR: T13,6, L15,5
 CIBSE: L <1000cd/m² at 65°

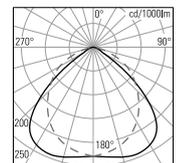
212 MP



Type	Ballast	Weight (kg)	Code
1x36W T26 G13	EB, DEB	4,0	2.123x.1362.1
1x58W T26 G13	EB, DEB	4,7	2.123x.1582.1



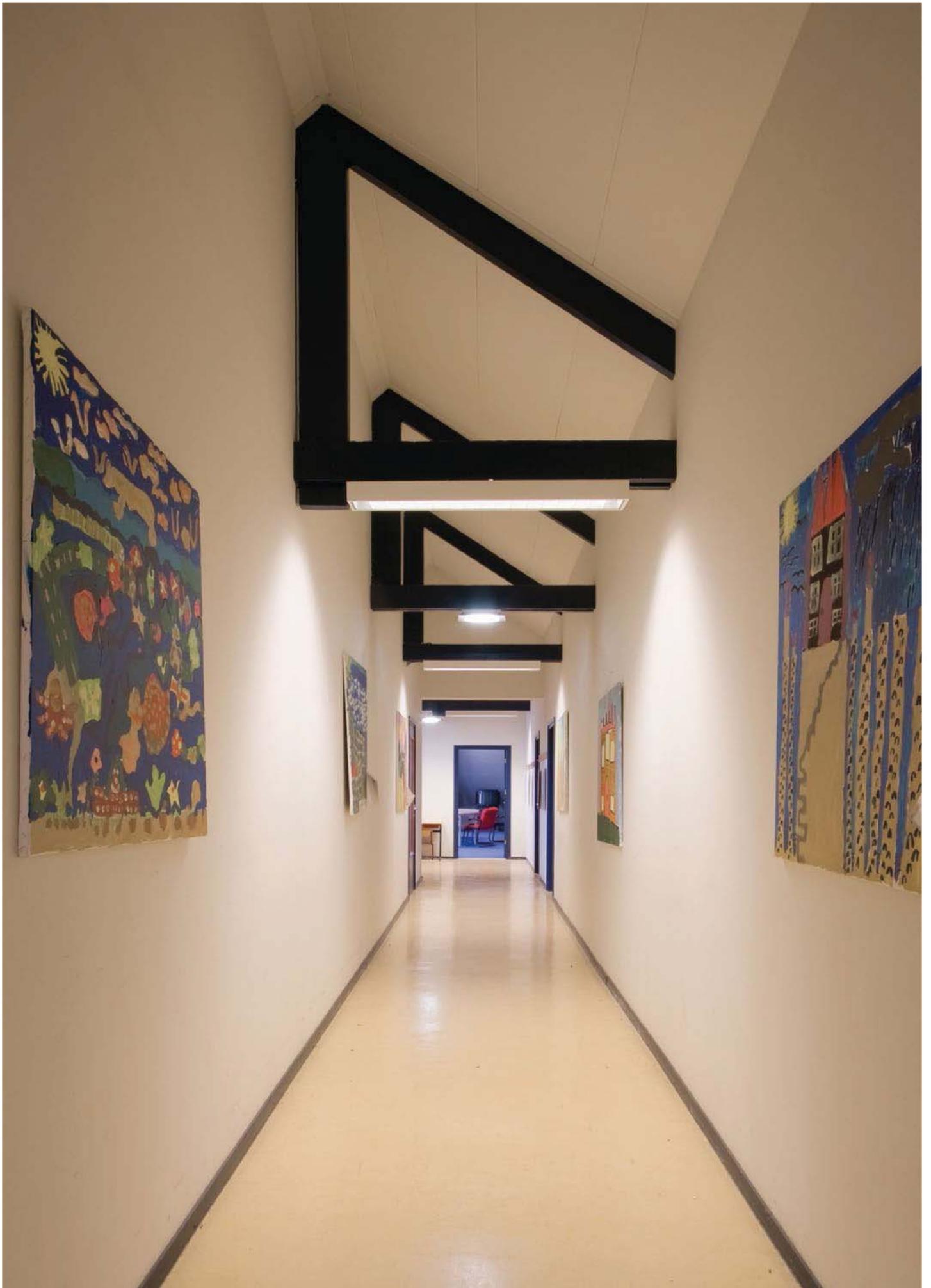
Power (W)	L
1x36	1250
1x58	1550



1x36W
 I_{max}: 244 cd/1000lm
 UTE: 0,56D
 UGR: T14,8, L18,0

Code definition for ballast

Ballast options	Code (x)
EB	4
DEB - DALI	1
DEB - DSI	5
DEB 1 - 10V	3







- Ceiling mounted luminaire with PMMA diffuser
- Steel sheet housing, powder coating, white colour
- Opal or prismatic PMMA diffuser
- Integrated electronic ballast; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 hour autonomy
- Tool free easy maintenance
- Suspension kit available - order separately

Optics



PR diffuser
Prismatic PMMA diffuser in white painted steel sheet frame, with IP43 on exposed part



OP diffuser
Opal PMMA diffuser in white painted steel sheet frame, with IP43 on exposed part

Range



width 600 mm



width 300 mm

Details



Diffuser remains hooked on during maintenance

Options



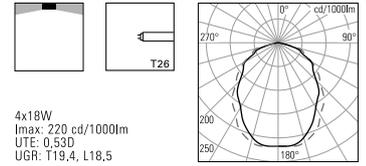
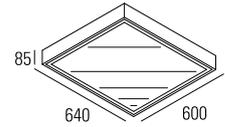
Adjustable suspension kit available only for two lamp versions - order separately

216 PR



Type	Ballast	Weight (kg)	Code
4x18W T26 G13	EB, DEB, EM	5,8	2.167x.4182.1
4x14W T16 G5	EB, DEB, EM	5	2.167x.4142.1
4x24W T16 G5	EB, DEB, EM	5	2.167x.4242.1
3x55W TC-L 2G11	EB, DEB, EM	5,1	2.167x.3552.1

Fixtures with emergency kit module are 0,5 kg heavier.

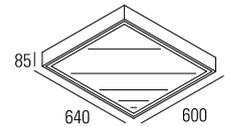


216 OP



Type	Ballast	Weight (kg)	Code
4x18W T26 G13	EB, DEB, EM	5,8	2.166x.4182.1
4x14W T16 G5	EB, DEB, EM	5	2.166x.4142.1
4x24W T16 G5	EB, DEB, EM	5	2.166x.4242.1
3x55W TC-L 2G11	EB, DEB, EM	5,1	2.166x.3552.1

Fixtures with emergency kit module are 0,5 kg heavier.



Code definition for ballast and emergency kit

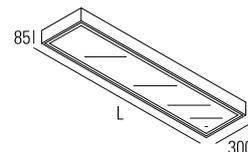
Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

216 PR

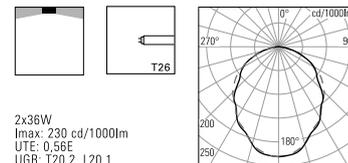


Type	Ballast	Weight (kg)	Code
2x36W T26 G13	EB, DEB, EM	6,7	2.167x.2362.1
2x58W T26 G13	EB, DEB, EM	8,5	2.167x.2582.1
2x28W T16 G5	EB, DEB, EM	5,2	2.167x.2282.1
2x54W T16 G5	EB, DEB, EM	5,2	2.167x.2542.1
2x35W T16 G5	EB, DEB, EM	5,6	2.167x.2352.1
2x49W T16 G5	EB, DEB, EM	5,6	2.167x.2492.1

Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L
2x36/28/54	1250
2x58/35/49	1550

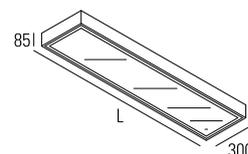


216 OP

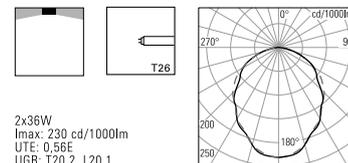


Type	Ballast	Weight (kg)	Code
2x36W T26 G13	EB, DEB, EM	6,7	2.166x.2362.1
2x58W T26 G13	EB, DEB, EM	8,5	2.166x.2582.1
2x28W T16 G5	EB, DEB, EM	5,2	2.166x.2282.1
2x54W T16 G5	EB, DEB, EM	5,2	2.166x.2542.1
2x35W T16 G5	EB, DEB, EM	5,6	2.166x.2352.1
2x49W T16 G5	EB, DEB, EM	5,6	2.166x.2492.1

Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L
2x36/28/54	1250
2x58/35/49	1550



Accessories



Type	Weight (kg)	Code
Suspension set 201	0.2	2.1100.0000.0

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9





- Ceiling mounted luminaire with opal PMMA diffuser for linear T16 and T26 lamps
- Steel sheet housing, powder coating, white colour
- Opal PMMA diffuser
- Integrated electronic ballast; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Tool free easy maintenance

Optics



Opal PMMA diffuser
Slim opal PMMA diffuser with IP40 protection; wide light distribution for pleasant atmosphere

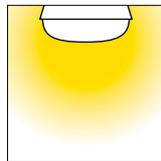
Details



Easy tool free maintenance



Slim shaped body

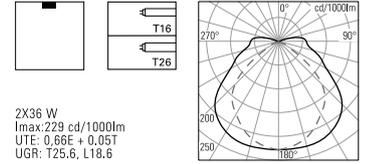
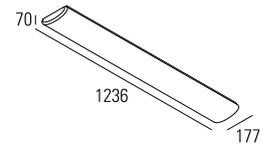


Harmonious luminance for friendly room ambiance

246



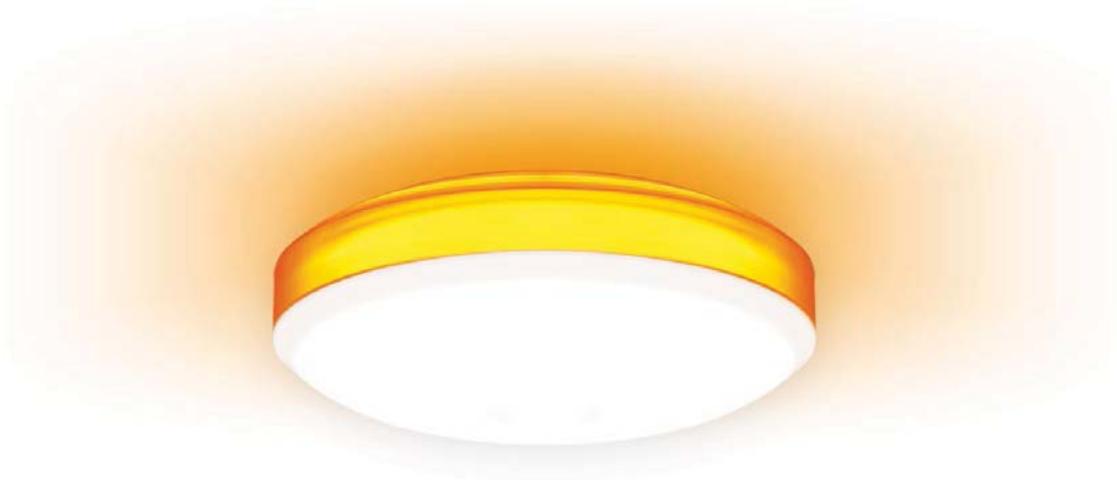
Type	Ballast	Weight (kg)	Code
2x36W T26 G13	EB	3,1	2.460x.2362.1
2x28W T16 G5	EB, DEB	2,0	2.460x.2282.1
2x54W T16 G5	EB, DEB	2,0	2.460x.2542.1



Code definition for ballast

Ballast options	Code (x)
EB	4
DEB - DALI	1
DEB - DSI	5
DEB 1 - 10V	3





- Surface mounted decorative multi-functional luminaire
- Body, diffuser and ring made from polycarbonate
- Body and ring available in different colour options
- Opal polycarbonate diffuser
- Control gear: integrated electronic ballast (EB) or DALI dimmable ballast
- All versions with circular T16-R lamp are available also with micro-wave movement sensor

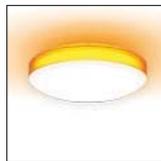
Range



Etea direct

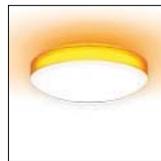


Etea direct-indirect

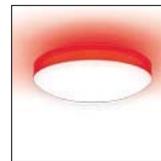


Etea colour

Etea coloured body and ring options



Orange



Red



Green



Blue

Options

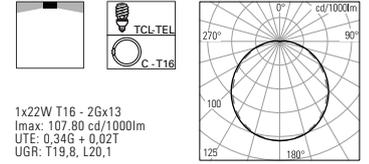
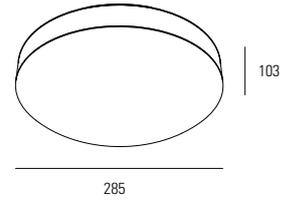


All fluorescent versions are available also with integrated micro-wave movement sensor

ETEA DIRECT



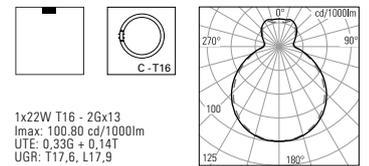
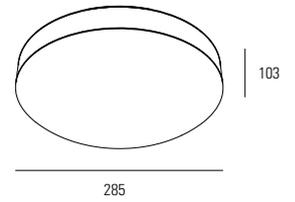
Type	Control Gear	Weight (kg)	Code
1x20W E27 TC-TEL		0,7	18.2110.1101.1
1x22W T16- 2Gx13	EB, DALI	0,9	18.211x.1201.1
1x22W T16- 2Gx13	EB+SENSOR	1,0	18.2134.1201.1



ETEA DIRECT-INDIRECT



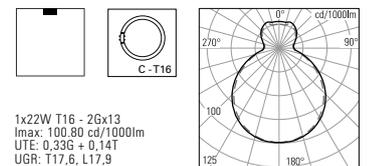
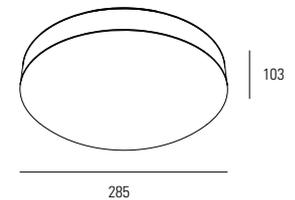
Type	Control Gear	Weight (kg)	Code
IP43 version			
1x22W T16- 2Gx13	EB, DALI	0,9	18.211x.1200.0
1x22W T16- 2Gx13	EB+SENSOR	1	18.2134.1200.0
IP65 version			
1x22W T16- 2Gx13	EB, DALI	0,9	18.211x.1211.0
1x22W T16- 2Gx13	EB+SENSOR	1	18.2134.1211.0



ETEA COLOUR

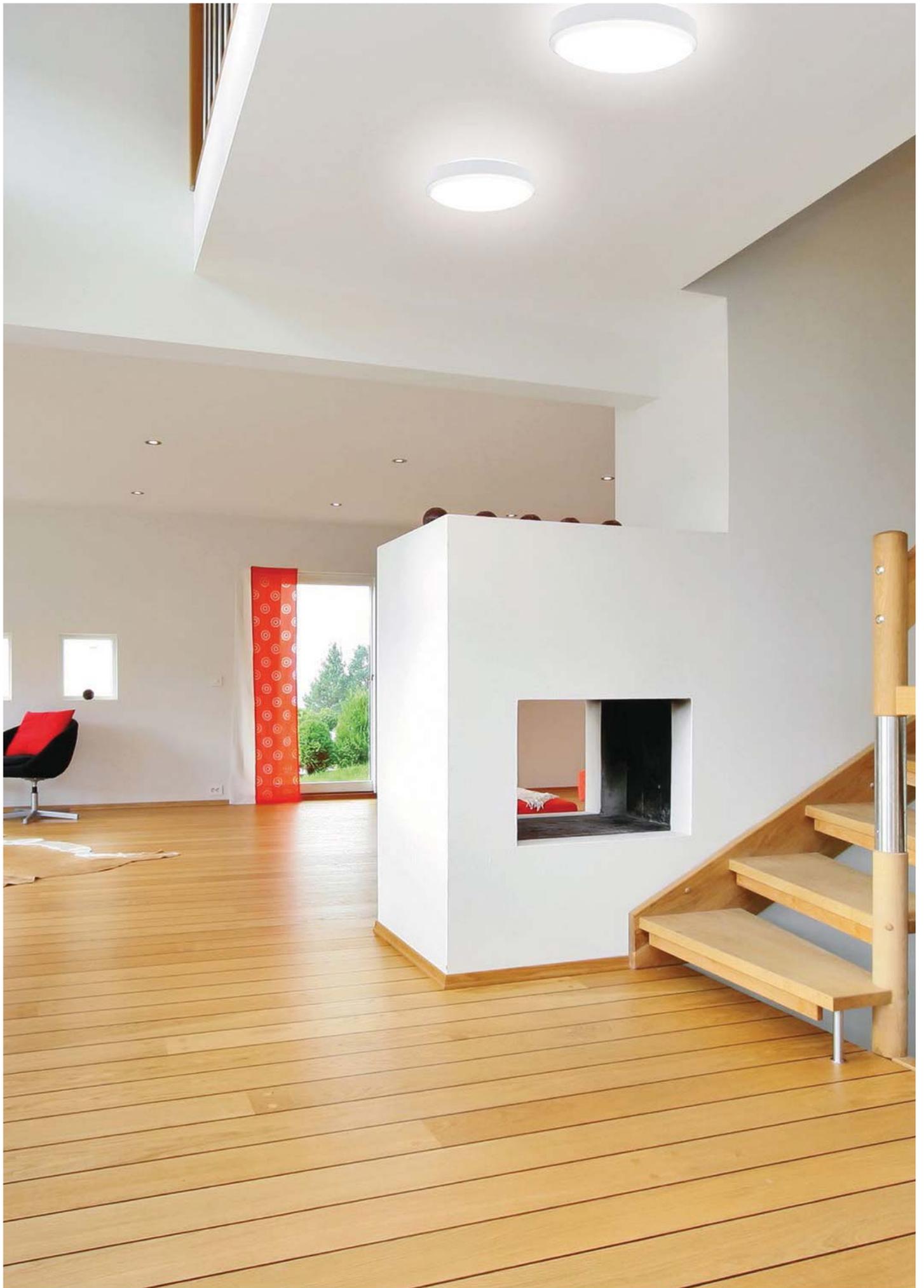


Type	Control Gear	Weight (kg)	Code
IP43 version			
1x22W T16- 2Gx13	EB, DALI	0,9	18.211x.120y.y
IP65 version			
1x22W T16- 2Gx13	EB, DALI	0,9	18.211x.121y.y



Code definition for control gear and ring colour options

Ballast options	Code (x)	Body colour	Code (y)
DALI	1	Green	6
EB	4	Red	7
		Blue	8
		Orange	9











- Ceiling/wall mounted single-lamp fixture for linear T16 lamps
- Steel sheet housing, powder coating, white colour
- Two asymmetrical optics available in white colour
- Integrated electronic ballast; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Tool free easy maintenance
- Direct and cable connector as option for line connection

Optics



5101 optic
Steel-sheet asymmetrical optic for usage in cove lighting
(Order separately)



5102 optic
Steel-sheet asymmetrical optic for usage in wall cove lighting
(Order separately)

Options



Integrated through-wiring with male and female GST connector enables quick and fast installation of continuous lighting rows



Direct connector available for continuous line connection

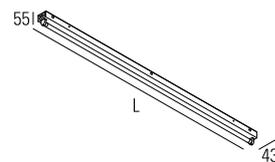


Cable connector available for continuous line connection

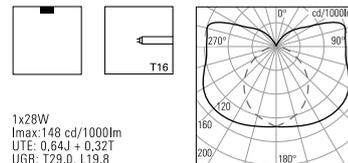
5100



Type	Ballast	Weight (kg)	Code
1x14W T16 G5	EB, DEB	1,5	5.210x.1142.1
1x24W T16 G5	EB, DEB	1,5	5.210x.1242.1
1x21W T16 G5	EB, DEB	2,0	5.210x.1212.1
1x39W T16 G5	EB, DEB	2,0	5.210x.1392.1
1x28W T16 G5	EB, DEB	2,5	5.210x.1282.1
1x54W T16 G5	EB, DEB	2,5	5.210x.1542.1
1x35W T16 G5	EB, DEB	3,0	5.210x.1352.1
1x49W T16 G5	EB, DEB	3,0	5.210x.1492.1
1x80W T16 G5	EB, DEB	3,0	5.210x.1802.1



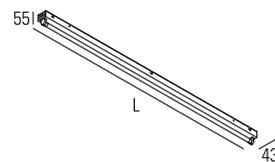
Power (W)	L
1x14/24	580
1x21/39	880
1x28/54	1180
1x35/49/80	1480



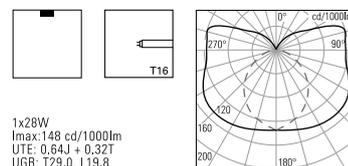
5100 W with 2 x GST connector



Type	Ballast	Weight (kg)	Code
Versions with 2x 3-pole connector and through wiring			
1x14W T16 G5	EB, DEB	1,5	5.211x.1142.1
1x24W T16 G5	EB, DEB	1,5	5.211x.1242.1
1x21W T16 G5	EB, DEB	2,0	5.211x.1392.1
1x39W T16 G5	EB, DEB	2,0	5.211x.1212.1
1x28W T16 G5	EB, DEB	2,5	5.211x.1282.1
1x54W T16 G5	EB, DEB	2,5	5.211x.1542.1
1x35W T16 G5	EB, DEB	3,0	5.211x.1352.1
1x49W T16 G5	EB, DEB	3,0	5.211x.1492.1
1x80W T16 G5	EB, DEB	3,0	5.211x.1802.1
Versions with 2x 5-pole connector and through wiring			
1x14W T16 G5	DEB	1,5	5.212x.1142.1
1x24W T16 G5	DEB	1,5	5.212x.1242.1
1x21W T16 G5	DEB	2,0	5.212x.1392.1
1x39W T16 G5	DEB	2,0	5.212x.1212.1
1x28W T16 G5	DEB	2,5	5.212x.1282.1
1x54W T16 G5	DEB	2,5	5.212x.1542.1
1x35W T16 G5	DEB	3,0	5.212x.1352.1
1x49W T16 G5	DEB	3,0	5.212x.1492.1
1x80W T16 G5	DEB	3,0	5.212x.1802.1



Power (W)	L
1x14/24	580
1x21/39	880
1x28/54	1180
1x35/49/80	1480



Accessories



Type	Weight (kg)	Code
3-pole GST direct connector (for line connection)	<0,1	23167063
3-pole GST cable connector L=400mm (for line connection)	0.1	16478304

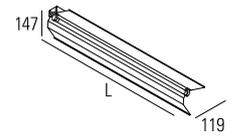
Code definition for ballast

Ballast options	Code (x)
EB	4
DEB - DALI	1
DEB - DSI	5
DEB 1 - 10V	3

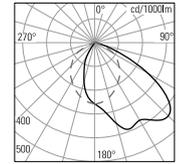
5101



Type	Weight (kg)	Code
asymetrical white reflector 14/24	0.5	5.2310.1142.1
asymetrical white reflector 21/39	0.7	5.2310.1212.1
asymetrical white reflector 28/54	1.0	5.2310.1282.1
asymetrical white reflector 35/49/80	1.3	5.2310.1352.1



Power (W)	L
1x14/24	580
1x21/39	880
1x28/54	1180
1x35/49	1480

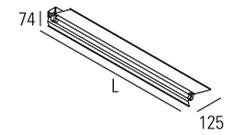


1x35W
 lmax: 422 cd/1000lm
 UTE: 0.680
 UGR: T13.0, L21.5

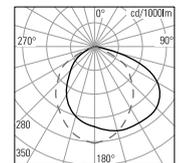
5102



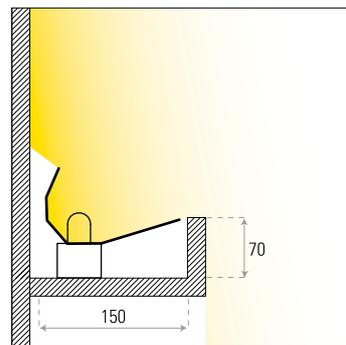
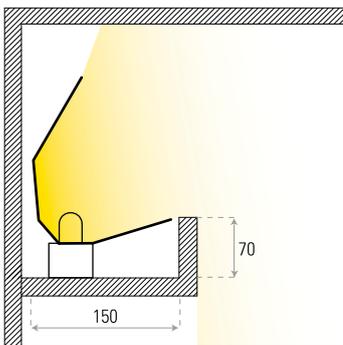
Type	Weight (kg)	Code
asymetrical white reflector 14/24	0.5	5.2320.1142.1
asymetrical white reflector 21/39	0.7	5.2320.1212.1
asymetrical white reflector 28/54	1.0	5.2320.1282.1
asymetrical white reflector 35/49/80	1.3	5.2320.1352.1



Power (W)	L
1x14/24	580
1x21/39	880
1x28/54	1180
1x35/49	1480



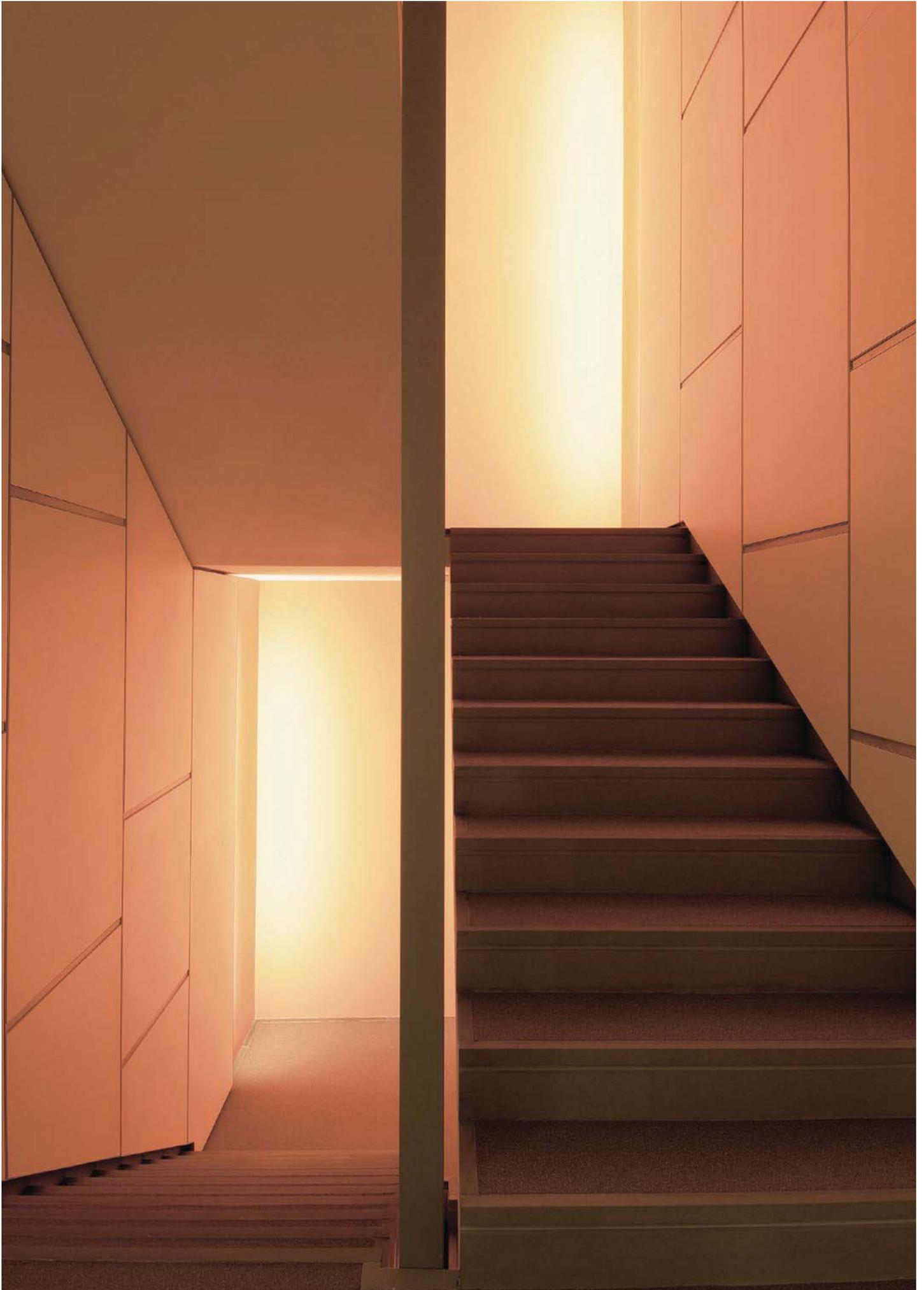
1x35W
 lmax: 284 cd/1000lm
 UTE: 0.68E
 UGR: T18.0, L21.9

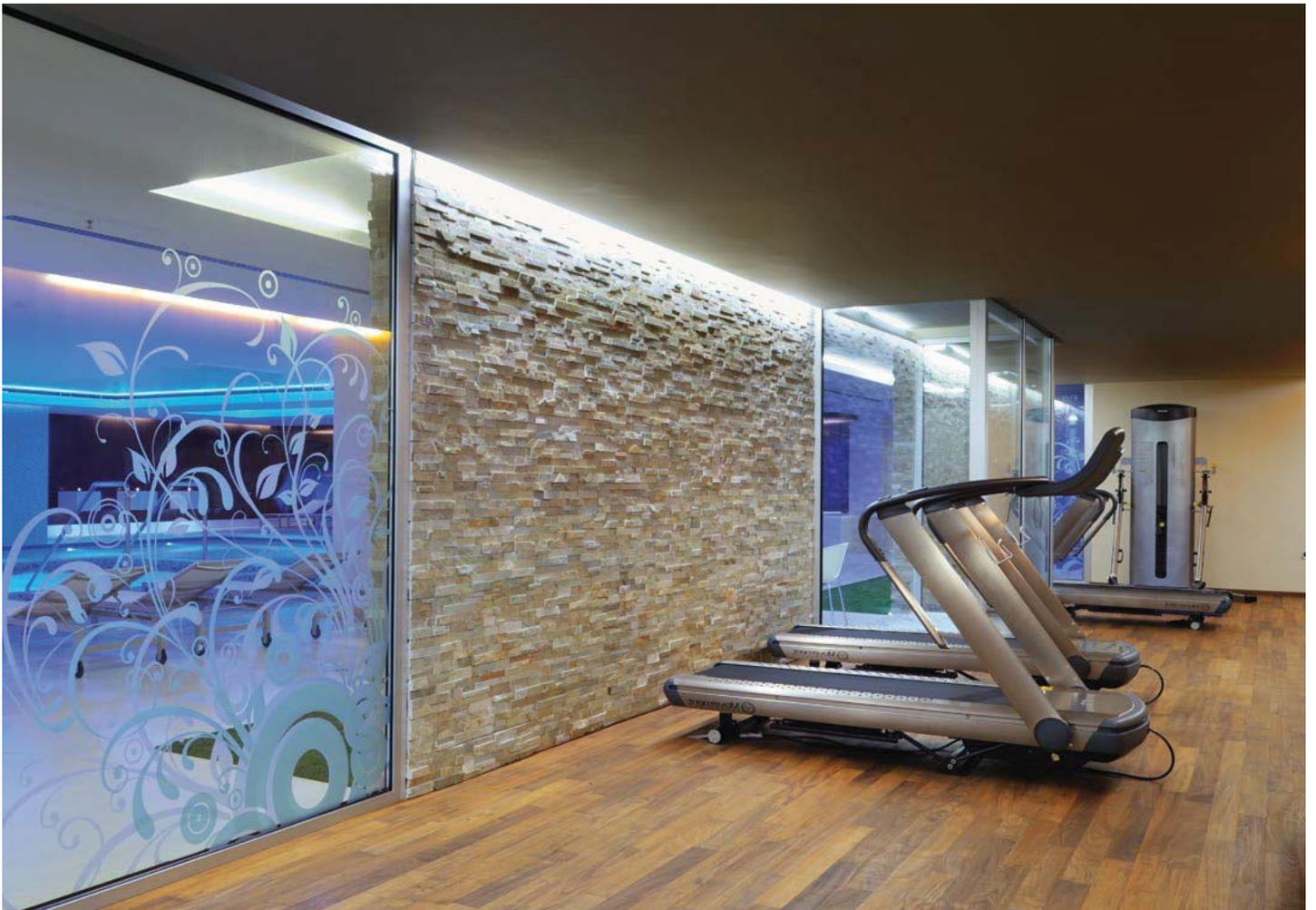


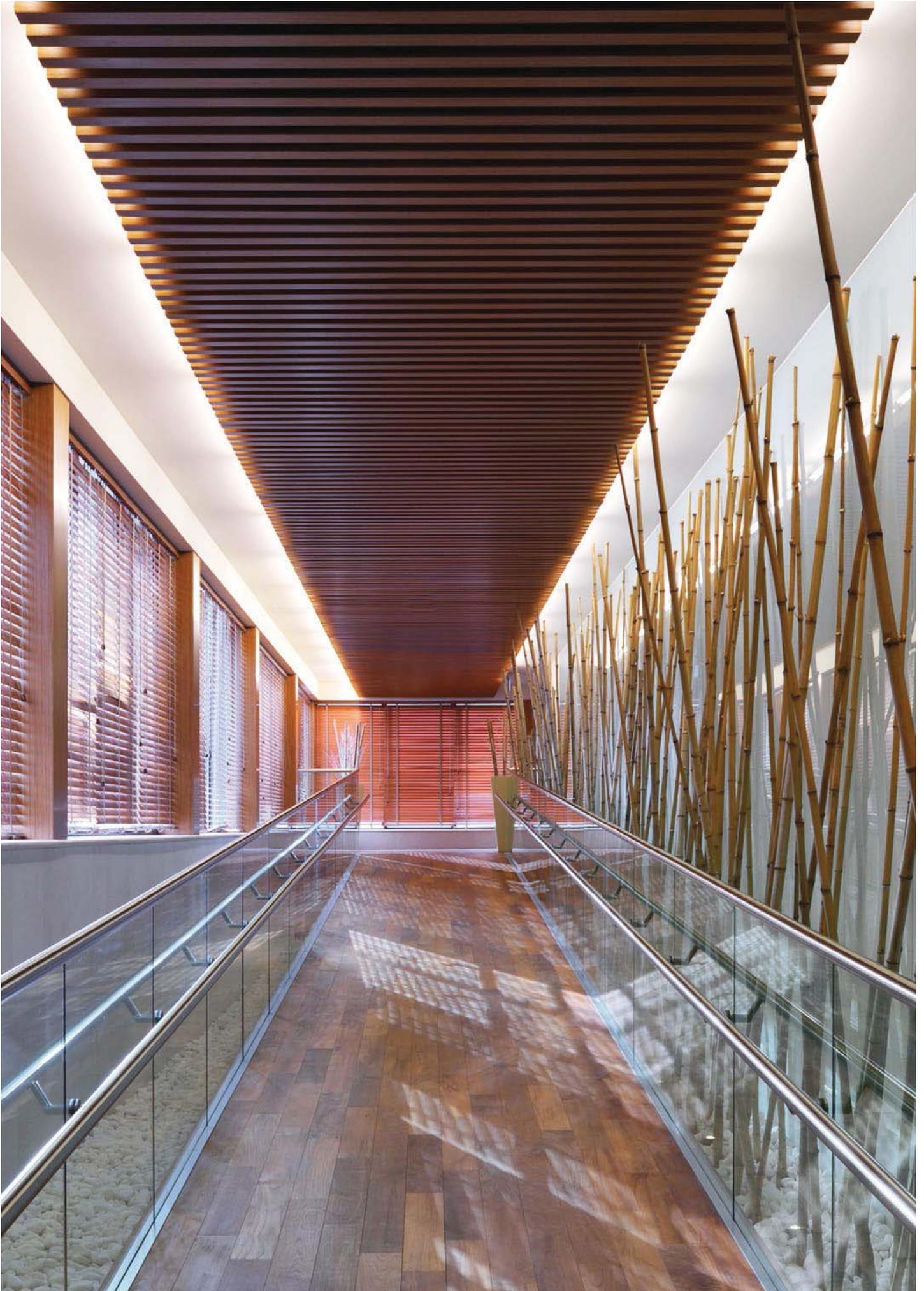
Cove lighting have never been used so much in past as nowadays to create special floating light effect. It is not just an arhitectual detail but significant illuminance factor. Unvisible indirect light distribrution ensures harmonious and plasant room atmosphere. Specially designed asymmetrical optics ensures higher efficiency and fully controlled light distribution to spaces where is needed.





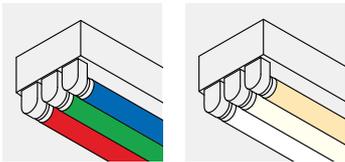








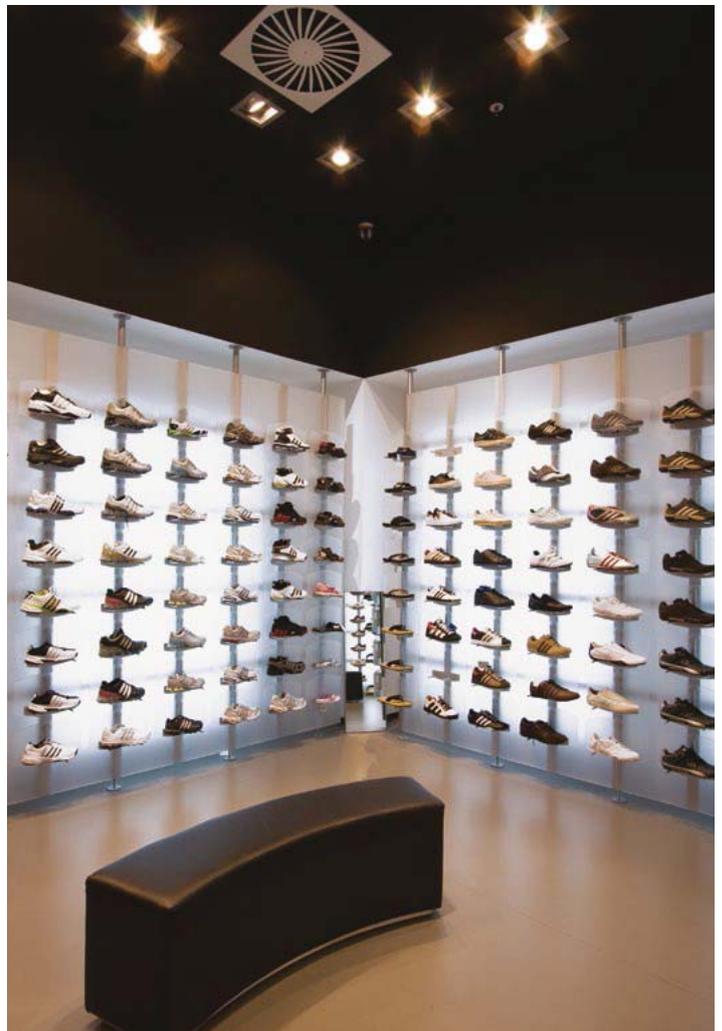
- Ceiling mounted three-lamp fixture for linear T16 lamps
- Steel sheet housing, powder coating, white colour
- Three dimmable electronic ballast makes this fixture ideal for RGB colour changing atmosphere effect
- DALI or DSI dimming signals enables integration with many different light management systems
- Tool free easy maintenance



Dynamic light

Humans have been connected to sunlight for centuries. Even in enclosed ambients, dynamic light increase comfort and well-being. Dimmable lighting technologies today offers many useful light management systems. 5350 RGB fixture offer realization of different dynamic aspects.

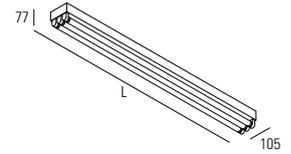
Using three different 'white' colour tubes (2700K, 4000K, 8000K) we can simulate daylight light environment into enclosed spaces for enhanced comfort, stimulation and wakefulness. On the other hand, using red, green and blue tubes, it offers dynamic colour – changing atmosphere.



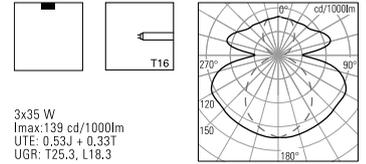
5350 RGB



Type	Ballast	Weight (kg)	Code
3x28W T16 G5	DEB RGB	3,6	5.350x.3282.1
3x35W T16 G5	DEB RGB	3,7	5.350x.3352.1

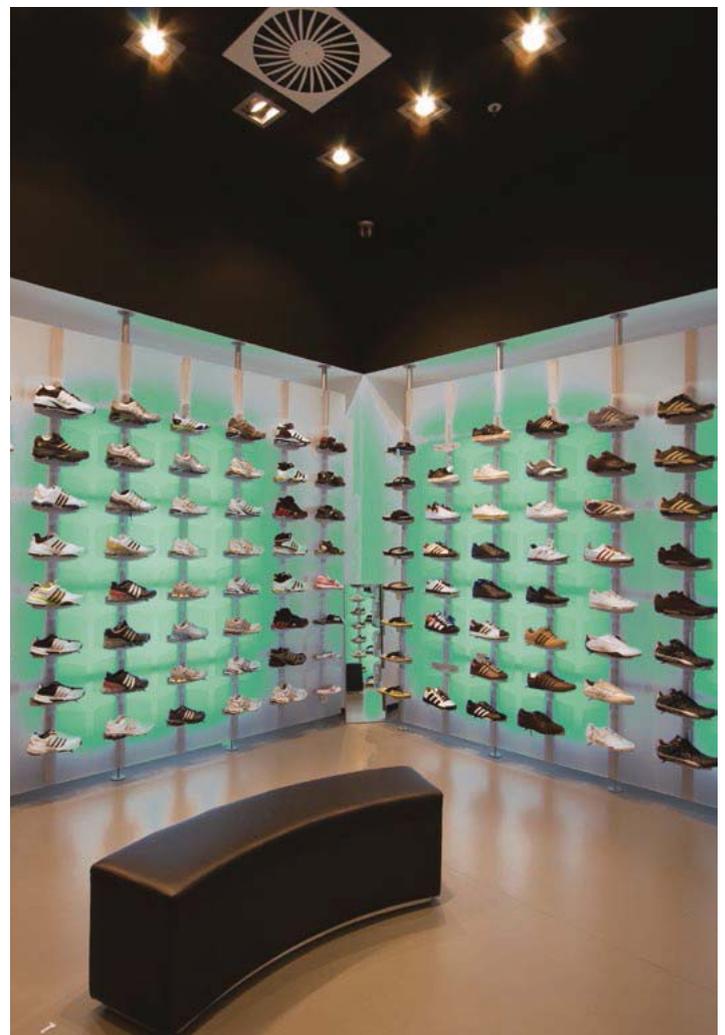
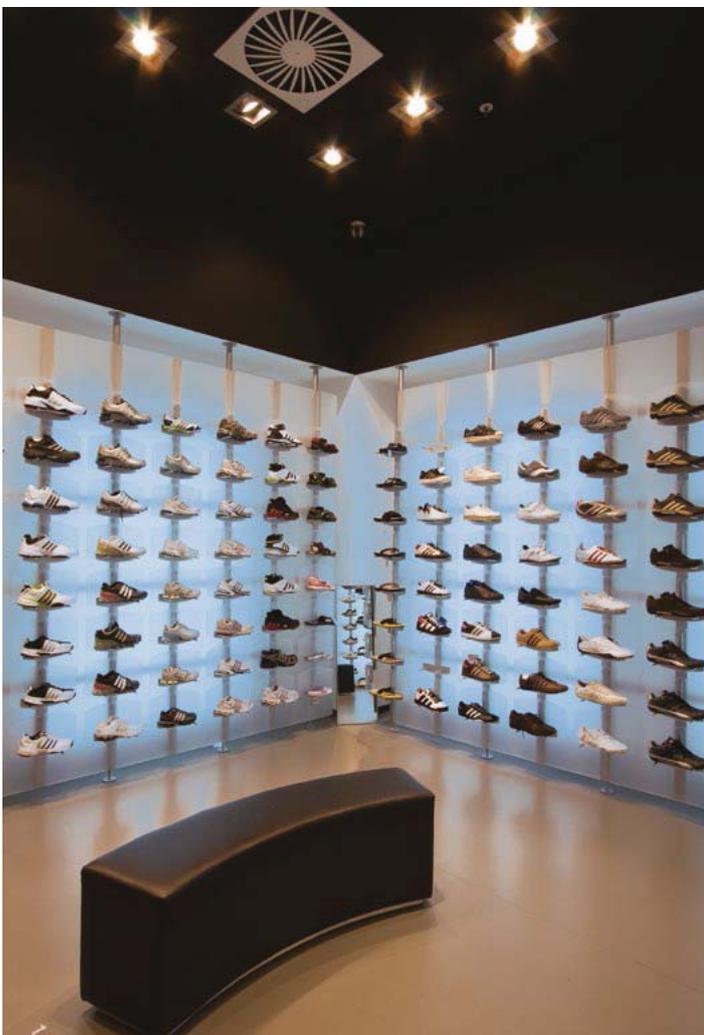


Power (W)	L
3x28	1233
3x35	1533



Code definition for ballast

Ballast options	Code (x)
DEB - DALI	1
DEB - DSI	5





- Suspended luminaire with direct - indirect light distribution for linear T16 lamps
- Body made from extruded aluminium profile, powder coating, silver grey colour
- Square or round profile version
- Double parabolic highly specular or satin aluminium louvre, direct-indirect light distribution
- Polycarbonate opal diffuser for friendly room atmosphere, direct-indirect light distribution
- Integrated electronic ballast; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Tool free easy maintenance
- Completed with adjustable suspension and power feed cable

Optics



HDP optic
Double parabolic louvre, direct - indirect light distribution, highly specular aluminium, high efficiency and anti-iridescence, blades closed on top



HMP optic
Double parabolic louvre, direct - indirect light distribution, satin aluminium, high efficiency and anti-iridescence, blades closed on top



GL diffuser
Polycarbonate opal blended diffuser, direct - indirect light distribution, closed on top

Profiles



Square (Q)



Round (R)

Details



Fixture is equipped with suspension kit and power feed cable



Fast and easy height adjustment



Upper diffuser is made of semi-transparent polycarbonate for enhanced efficiency

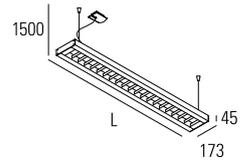


Fixture is equipped with ceiling cup and already connected with decorative transparent power cable

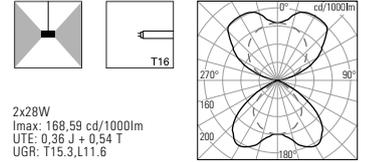
MODUS Q HDP



Type	Ballast	Weight (kg)	Code
1X28W T16 G5	EB, DEB	3,3	3.821x.1111.y
1X54W T16 G5	EB, DEB	3,3	3.821x.1141.y
2X28W T16 G5	EB, DEB	3,3	3.821x.1211.y
2X54W T16 G5	EB, DEB	3,3	3.821x.1241.y
1X35W T16 G5	EB, DEB	3,8	3.821x.1121.y
1X49W T16 G5	EB, DEB	3,8	3.821x.1131.y
2X35W T16 G5	EB, DEB	3,8	3.821x.1221.y
2X49W T16 G5	EB, DEB	3,8	3.821x.1231.y



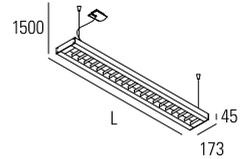
Power (W)	L
1/2x28/54	1244
1/2x35/49	1544



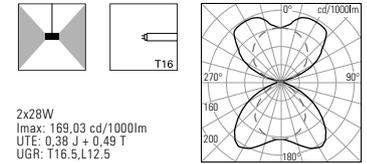
MODUS Q HMP



Type	Ballast	Weight (kg)	Code
1X28W T16 G5	EB, DEB	3,3	3.822x.1111.y
1X54W T16 G5	EB, DEB	3,3	3.822x.1141.y
2X28W T16 G5	EB, DEB	3,3	3.822x.1211.y
2X54W T16 G5	EB, DEB	3,3	3.822x.1241.y
1X35W T16 G5	EB, DEB	3,8	3.822x.1121.y
1X49W T16 G5	EB, DEB	3,8	3.822x.1131.y
2X35W T16 G5	EB, DEB	3,8	3.822x.1221.y
2X49W T16 G5	EB, DEB	3,8	3.822x.1231.y



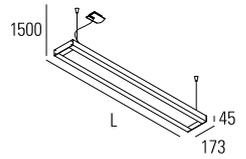
Power (W)	L
1/2x28/54	1244
1/2x35/49	1544



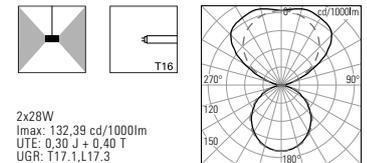
MODUS Q HGL



Type	Ballast	Weight (kg)	Code
1X28W T16 G5	EB, DEB	3,7	3.823x.1111.y
1X54W T16 G5	EB, DEB	3,7	3.823x.1141.y
2X28W T16 G5	EB, DEB	3,7	3.823x.1211.y
2X54W T16 G5	EB, DEB	3,7	3.823x.1241.y
1X35W T16 G5	EB, DEB	4,4	3.823x.1121.y
1X49W T16 G5	EB, DEB	4,4	3.823x.1131.y
2X35W T16 G5	EB, DEB	4,4	3.823x.1221.y
2X49W T16 G5	EB, DEB	4,4	3.823x.1231.y



Power (W)	L
1/2x28/54	1244
1/2x35/49	1544



Code definition for ballast and colour options

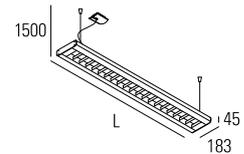
Ballast options	Code (x)	Colour	Code (y)
EB	4	White	1
DEB - DALI	1	Silver grey	5
DEB - DSI	5		
DEB 1 - 10V	3		

CEILING AND SUSPENDED MODUS

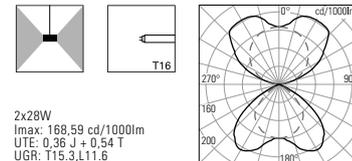
MODUS R HDP



Type	Ballast	Weight (kg)	Code
1X28W T16 G5	EB, DEB	3,4	3.831x.1111.y
1X54W T16 G5	EB, DEB	3,4	3.831x.1141.y
2X28W T16 G5	EB, DEB	3,4	3.831x.1211.y
2X54W T16 G5	EB, DEB	3,4	3.831x.1241.y
1X35W T16 G5	EB, DEB	3,9	3.831x.1121.y
1X49W T16 G5	EB, DEB	3,9	3.831x.1131.y
2X35W T16 G5	EB, DEB	3,9	3.831x.1221.y
2X49W T16 G5	EB, DEB	3,9	3.831x.1231.y



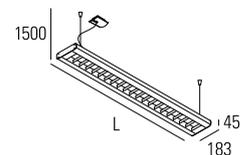
Power (W)	L
1/2x28/54	1244
1/2x35/49	1544



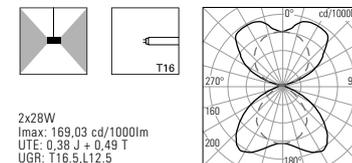
MODUS R HMP



Type	Ballast	Weight (kg)	Code
1X28W T16 G5	EB, DEB	3,4	3.832x.1111.y
1X54W T16 G5	EB, DEB	3,4	3.832x.1141.y
2X28W T16 G5	EB, DEB	3,4	3.832x.1211.y
2X54W T16 G5	EB, DEB	3,4	3.832x.1241.y
1X35W T16 G5	EB, DEB	3,9	3.832x.1121.y
1X49W T16 G5	EB, DEB	3,9	3.832x.1131.y
2X35W T16 G5	EB, DEB	3,9	3.832x.1221.y
2X49W T16 G5	EB, DEB	3,9	3.832x.1231.y



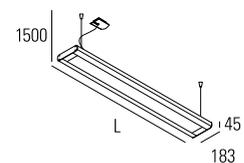
Power (W)	L
1/2x28/54	1244
1/2x35/49	1544



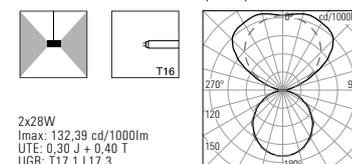
MODUS R HGL



Type	Ballast	Weight (kg)	Code
1X28W T16 G5	EB, DEB	3,8	3.833x.1111.y
1X54W T16 G5	EB, DEB	3,8	3.833x.1141.y
2X28W T16 G5	EB, DEB	3,8	3.833x.1211.y
2X54W T16 G5	EB, DEB	3,8	3.833x.1241.y
1X35W T16 G5	EB, DEB	4,5	3.833x.1121.y
1X49W T16 G5	EB, DEB	4,5	3.833x.1131.y
2X35W T16 G5	EB, DEB	4,5	3.833x.1221.y
2X49W T16 G5	EB, DEB	4,5	3.833x.1231.y



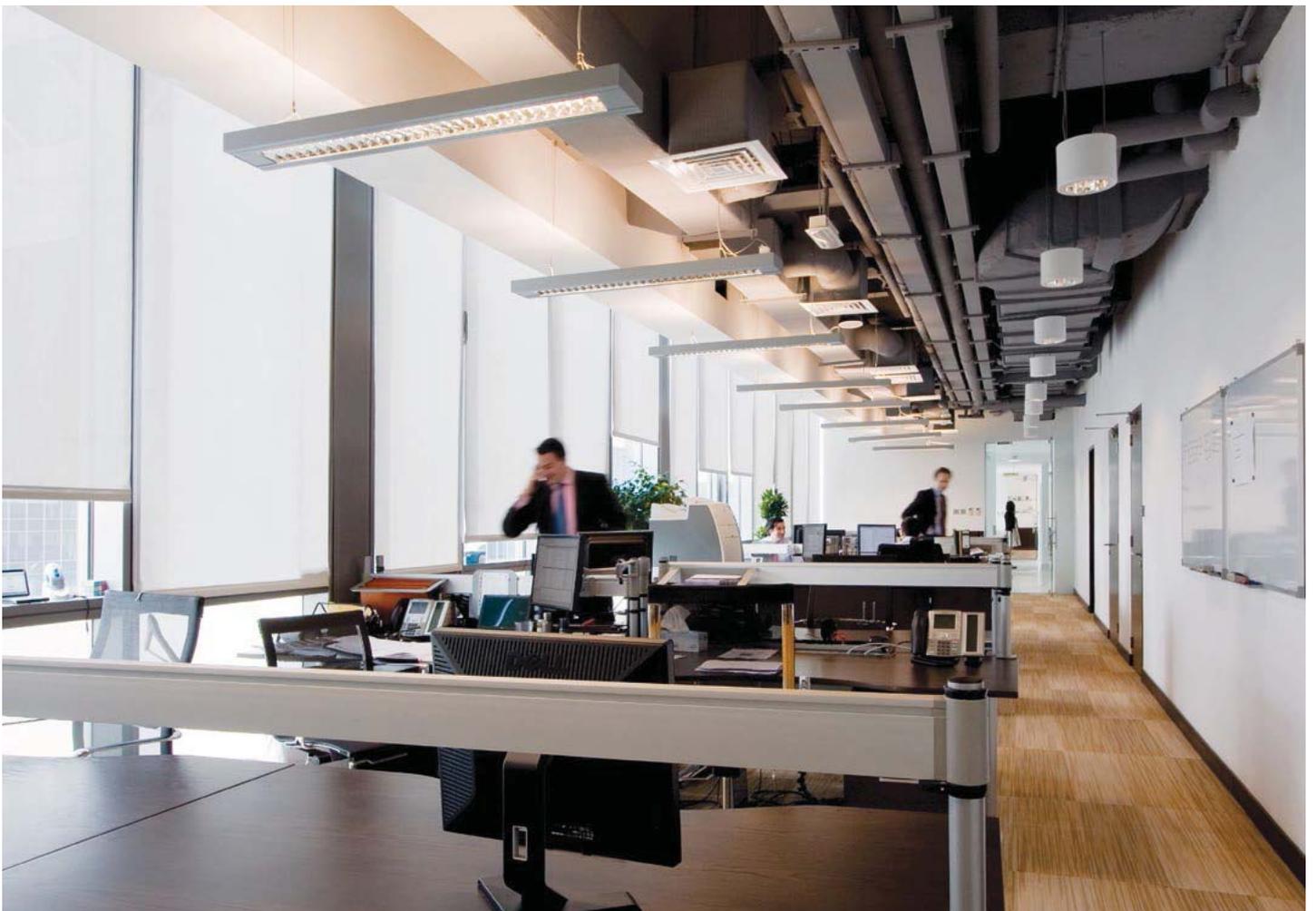
Power (W)	L
1/2x28/54	1244
1/2x35/49	1544



Code definition for ballast and colour options

Ballast options	Code (x)	Colour	Code (y)
EB	4	White	1
DEB - DALI	1	Silver grey	5
DEB - DSI	5		
DEB 1 - 10V	3		







NITOR NEW **LED** PROFESSIONAL DOWNLIGHT



Nitor LED RV-FH

Nitor LED RV-WH

NITOR R



p 137



p 137



p 139



p 139



p 140



p 140



p 141



p 141



p 142

NARRO R



p 151



p 151



p 151



p 152



p 153



p 153

NITOR C



p 159



p 159



p 159



p 160



p 160



p 161



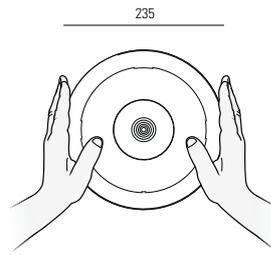
p 161

DOWNLIGHTS

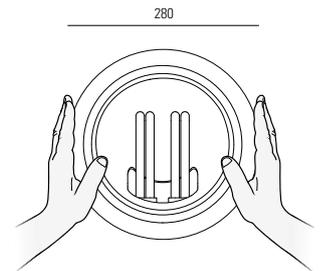
NITOR

design **Bojan Klančar**

Professional downlights, offer a high level of functionality. Reflectors, made of aluminium, are designed for an excellent light distribution. Thanks to many innovative features, the efficiency level is optimized, installation and maintenance is quick and easy, protection index is at maximum level. Top-quality materials, energy-saving technologies, aesthetic appeal with wide range of accessories and various finishes, make Nitor ideal lighting solution for public and business areas.



Nitor R



Nitor C

Range



Nitor RV LED



Nitor RV L



Nitor RV H



Nitor C L



Nitor C H



Accessories

Decorative trim



white, black, grey
IP20

Decorative trim with glass



glass or micro-prismatic diffuser
white, black, grey
IP44



PC diffuser



IP44

RGL-DS



satin glass, partly satin glass
IP20

Optics



LED FH optic
Optics made of aluminium, high efficiency, faceted satin finish, no iridescence



LED WH optics
Optics made of aluminium, painted with opti-white colour, very high efficiency



OL / OH optic
Optics made of aluminium which is aluminium vacuum metalized, specular finish, very high efficiency, no iridescence; height – 105/150 mm; glare reduction in accordance with EN 12464



FL / FH optic
Optics made of aluminium which is aluminium vacuum metalized, very high efficiency, faceted specular finish, no iridescence; height – 105 / 150 mm; glare reduction in accordance with EN 12464



PH optic
Optics made of aluminium which is aluminium vacuum metalized, very high efficiency, no iridescence; height – 150 mm; anti-glare cross blades are integrated – glare reduction in accordance with EN 12464

Nitor order example



All Nitor LED versions are supplied complete with selected decorative trim. Other accessories must be ordered separately. For best performance use them in combination with opti-white optics.



- Recessed round downlight with COB power LED engine
- Polycarbonate body, strengthened with glass fibres, resistant to glow wire test 850°C, white colour
- Optics made of aluminium; faceted or white finish
- Microprismatic lens for homogenous illumination
- LED option: 3000K or 4000K; CRI 85
- Driver options: remote mounted fixed output (FO) or dimmable (DALI)
- Emergency kit version with 1 or 3 hour autonomy in separate gear box
- Tool free very fast installation and easy maintenance
- Complete with decorative ring in various colours
- Large options of different accessories are available for opti-white optics version

Optics



LED FH optic
Optics made of aluminium, high efficiency, faceted satin finish, no iridescence



LED WH optics
Optics made of aluminium, painted with opti-white colour, very high efficiency

Details



Microprismatic lens ensure homogenous light distribution



Stainless steel mounting spring ensure optimum fixation into false ceilings ranging from 5-45 mm

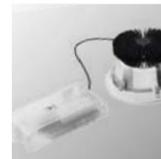


All decorative trim Accessories enables twist and lock system fixation.



Tool free fast and easy power connection.

Options



Remote control gear box contain fixed output or dimmable driver.



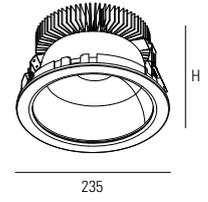
Emergency module kit is installed in separate remote gear box.

NITOR LED RV-FH



Type	Ballast	Weight (kg)	Code
Versions with 3000K LED colour temperature			
LED 1200 14W	LED FO, DALI, EM 1/3	1,3	14.841x.1100.y
LED 2000 21W	LED FO, DALI, EM 1/3	1,3	14.841x.2100.y
LED 2500 27W	LED FO, DALI, EM 1/3	1,5	14.841x.4100.y
LED 3000 34W	LED FO, DALI, EM 1/3	1,5	14.841x.3100.y
LED 3800 45W	LED FO, DALI, EM 1/3	1,5	14.841x.5100.y
Versions with 4000K LED colour temperature			
LED 1200 14W	LED FO, DALI, EM 1/3	1,3	14.841x.1200.y
LED 2000 21W	LED FO, DALI, EM 1/3	1,3	14.841x.2200.y
LED 2500 27W	LED FO, DALI, EM 1/3	1,5	14.841x.4200.y
LED 3000 34W	LED FO, DALI, EM 1/3	1,5	14.841x.3200.y
LED 3800 45W	LED FO, DALI, EM 1/3	1,5	14.841x.5200.y

All versions are available also with EM KIT with 1 hour or 3 hours autonomy.
 Fixtures with emergency kit module are 0,5 kg heavier.



LED type

1200, 2000	H 130
2500, 3000, 3800	H 140

Ø220x180

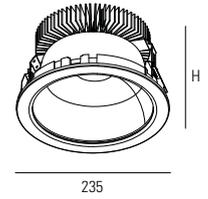
See photometrics data on technical pages

NITOR LED RV-WH



Type	Ballast	Weight (kg)	Code
Versions with 3000K LED colour temperature			
LED 1200 14W	LED FO, DALI, EM 1/3	1,3	14.843x.1100.1
LED 2000 21W	LED FO, DALI, EM 1/3	1,3	14.843x.2100.1
LED 2500 27W	LED FO, DALI, EM 1/3	1,5	14.843x.4100.1
LED 3000 34W	LED FO, DALI, EM 1/3	1,5	14.843x.3100.1
LED 3800 45W	LED FO, DALI, EM 1/3	1,5	14.843x.5100.1
Versions with 4000K LED colour temperature			
LED 1200 14W	LED FO, DALI, EM 1/3	1,3	14.843x.1200.1
LED 2000 21W	LED FO, DALI, EM 1/3	1,3	14.843x.2200.1
LED 2500 27W	LED FO, DALI, EM 1/3	1,5	14.843x.4200.1
LED 3000 34W	LED FO, DALI, EM 1/3	1,5	14.843x.3200.1
LED 3800 45W	LED FO, DALI, EM 1/3	1,5	14.843x.5200.1

All versions are available also with EM KIT with 1 hour or 3 hours autonomy.
 Fixtures with emergency kit module are 0,5 kg heavier.



LED type

1200, 2000	H 130
2500, 3000, 3800	H 140

Ø220x180

See photometrics data on technical pages

Code definition for ballast, emergency kit and and ring colour options

Ballast options	Code (x)	Emergency kit options	Code (x)	Ring colour	Code (y)
FO	4	FO EM 1h	7	White	1
DALI	1	FO EM 3h	5	Black	2
1-10V/TD	3	DALI EM 1H	2	Gray	5
		DALI EM 3H	6		
		1-10V/TD 1H	9		
		1-10V/TD 3H	8		

Note: Accessories for Nitor LED, must be ordered separately – see Accessories section on the pages 142.



- Recessed round downlight for compact fluorescent lamps
- Polycarbonate body, strengthened with glass fibres, resistant to glow wire test 850° C, white colour
- Optics made of aluminium which is aluminium vacuum metalized, very high efficiency, no iridescence
- Three different optics available
- Downlight is already wired with remote gear box
- Ballast options: magnetic (inductive), electronic (EB) or dimmable electronic (DEB DSI/DALI/1-10V)
- Emergency kit version with 1 hour autonomy in separate gear box
- Tool free very fast installation
- Tool free easy maintenance
- Large options of different **Accessories** are available like decorative trims, IP44 diffusers, coloured floating glasses, etc
- GST connectors and power cable as option for fast installation - see Mounting details at the end of the catalogue

Details



Specially developed rotating element ensure easy and safe lamp replacement; also enable perfect lamp position for enhanced efficiency



Stainless steel mounting spring ensure optimum fixation into false ceilings ranging from 5-17 mm (OL) or 5-35 mm (OH, PH)



All decorative trim Accessories enables twist and lock system fixation



Tool free fast and easy gear box connection

Control gear



Remote gear box contain magnetic, electronic or dimmable electronic ballast.



Emergency module kit is installed in separate remote gear box.

Options



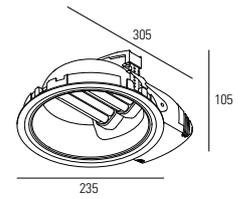
GST quick connector on request for fast installation (see Mounting details in technical pages)

NITOR RV-OL

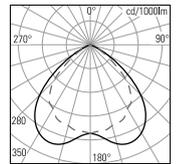


Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB, DEB, EM	1,0	4.811x.z118.0
1x26W TC-DE G24q-3	EB, DEB, EM	1,0	4.811x.z126.0
2x13W TC-DE G24q-1	EB, DEB, EM	1,0	4.811x.z213.0
2x18W TC-DE G24q-2	EB, DEB, EM	1,0	4.811x.z218.0
2x26W TC-DE G24q-3	EB, DEB, EM	1,0	4.811x.z226.0
2x32W TC-TE Gx24q-3	EB, DEB, EM	1,0	4.811x.z232.0

Fixtures with emergency kit module are 0,5 kg heavier.

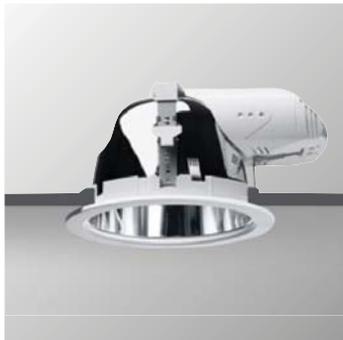


Ø 220 x 120



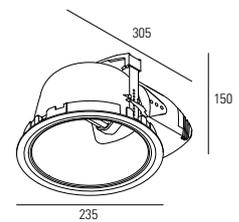
2x18W
Imax: 308 cd/1000lm
UTE: 0,63C
UGR: T20.2, L19.2

NITOR RV-OH

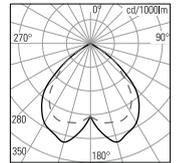


Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB, DEB, EM	1,1	4.812x.z118.0
1x26W TC-DE G24q-3	EB, DEB, EM	1,1	4.812x.z126.0
2x13W TC-DE G24q-1	EB, DEB, EM	1,1	4.812x.z213.0
2x18W TC-DE G24q-2	EB, DEB, EM	1,1	4.812x.z218.0
2x26W TC-DE G24q-3	EB, DEB, EM	1,1	4.812x.z226.0
2x32W TC-TE Gx24q-3	EB, DEB, EM	1,1	4.812x.z232.0

Fixtures with emergency kit module are 0,5 kg heavier.



Ø 220 x 155



2x18W
Imax: 293 cd/1000lm
UTE: 0,55C
UGR: T18.4, L18.0
CIBSE: L <200cd/m² at 65°

Code definition for ballast and emergency kit

Ballast options	Code (z)	Emergency kit options	Code (x)
EB	2	w/o EM	0
DEB DSI	3	w/o EM 1h	6
DEB 1-10 V	4	with EM 1h	2
DEB DALI	5		

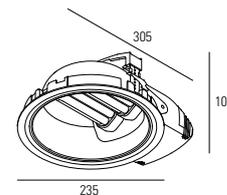
DOWNLIGHTS NITOR

NITOR RV-FL

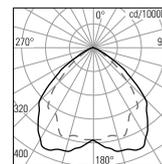


Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB, DEB, EM	1,0	4.810x.z118.0
1x26W TC-DE G24q-3	EB, DEB, EM	1,0	4.810x.z126.0
2x13W TC-DE G24q-1	EB, DEB, EM	1,0	4.810x.z213.0
2x18W TC-DE G24q-2	EB, DEB, EM	1,0	4.810x.z218.0
2x26W TC-DE G24q-3	EB, DEB, EM	1,0	4.810x.z226.0
2x32W TC-TE Gx24q-3	EB, DEB, EM	1,0	4.810x.z232.0

Fixtures with emergency kit module are 0,5 kg heavier.



∅ 220 x 120



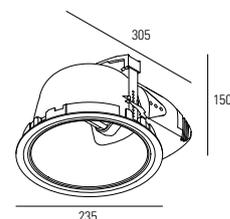
2x18W
Imax: 376,68 cd/1000lm
UTE: 0,75 C
UGR: T22.5, L20.8

NITOR RV-FH

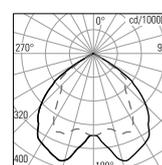


Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB, DEB, EM	1,1	4.819x.z118.0
1x26W TC-DE G24q-3	EB, DEB, EM	1,1	4.819x.z126.0
2x13W TC-DE G24q-1	EB, DEB, EM	1,1	4.819x.z213.0
2x18W TC-DE G24q-2	EB, DEB, EM	1,1	4.819x.z218.0
2x26W TC-DE G24q-3	EB, DEB, EM	1,1	4.819x.z226.0
2x32W TC-TE Gx24q-3	EB, DEB, EM	1,1	4.819x.z232.0

Fixtures with emergency kit module are 0,5 kg heavier.



∅ 220 x 155



2x18W
Imax: 375,42 cd/1000lm
UTE: 0,69 C
UGR: T22.0, L21.0

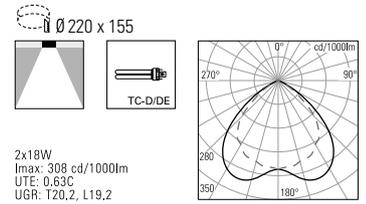
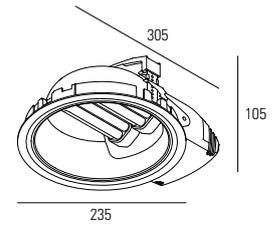
Code definition for ballast and emergency kit

Ballast options	Code (z)	Emergency kit options	Code (x)
EB	2	w/o EM	0
DEB DSI	3	w/o EM 1h	6
DEB 1-10 V	4	with EM 1h	2
DEB DALI	5		

NITOR KIT RV-OL



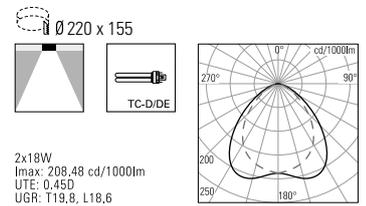
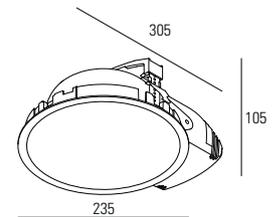
Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB	1.1	4.8111.5118.1
1x26W TC-DE G24q-3	EB	1.1	4.8111.5126.1
2x13W TC-DE G24q-1	EB	1.1	4.8111.5213.1
2x18W TC-DE G24q-2	EB	1.1	4.8111.5218.1
2x26W TC-DE G24q-3	EB	1.1	4.8111.5226.1



NITOR KIT RV-CL



Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB	1.1	4.8112.5118.1
1x26W TC-DE G24q-3	EB	1.1	4.8112.5126.1
2x13W TC-DE G24q-1	EB	1.1	4.8112.5213.1
2x18W TC-DE G24q-2	EB	1.1	4.8112.5218.1
2x26W TC-DE G24q-3	EB	1.1	4.8112.5226.1



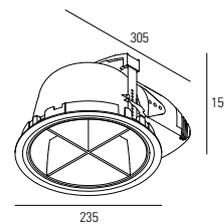
DOWNLIGHTS NITOR

NITOR RV-PH

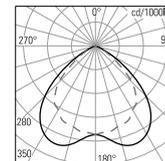


Type	Control Gear	Weight (kg)	Code
2x13W TC-DE G24q-1	EB, DEB, EM	1,2	4.814x.z213.0
2x18W TC-DE G24q-2	EB, DEB, EM	1,2	4.814x.z218.0
2x26W TC-DE G24q-3	EB, DEB, EM	1,2	4.814x.z226.0
2x32W TC-TE Gx24q-3	EB, DEB, EM	1,2	4.814x.z232.0

Compensated versions are on request.
Fixtures with emergency kit module are 0,5 kg heavier.



Ø 220 x 155



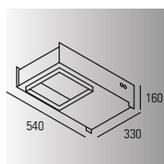
2x18W
Imax: 308 cd/1000lm
UTE: 0,83G
UGR: T20.2, L19.2

Code definition for ballast and emergency kit

Ballast options	Code (z)	Emergency kit options	Code (x)
EB	2	w/o EM	0
DEB DSI	3	w/o EM 1h	6
DEB 1-10 V	4	with EM 1h	2
DEB DALI	5		

Accessories

Type	Code	Type	Code
Decorative trim white	4.8002.1000.1	PC diffuser IP44	4.8001.1000.1
Decorative trim black	4.8002.1000.2		
Decorative trim grey	4.8002.1000.5		
Decorative trim GL-SC with satin glass IP44 white	4.8002.2200.1	RGL-DSR partly satin glass	4.8001.3110.1
Decorative trim GL-SC with satin glass IP44 grey	4.8002.2200.5		
Decorative trim GL-SI with partly satin glass IP44 white	4.8002.2300.1		
Decorative trim GL-SI with partly satin glass IP44 grey	4.8002.2300.5		

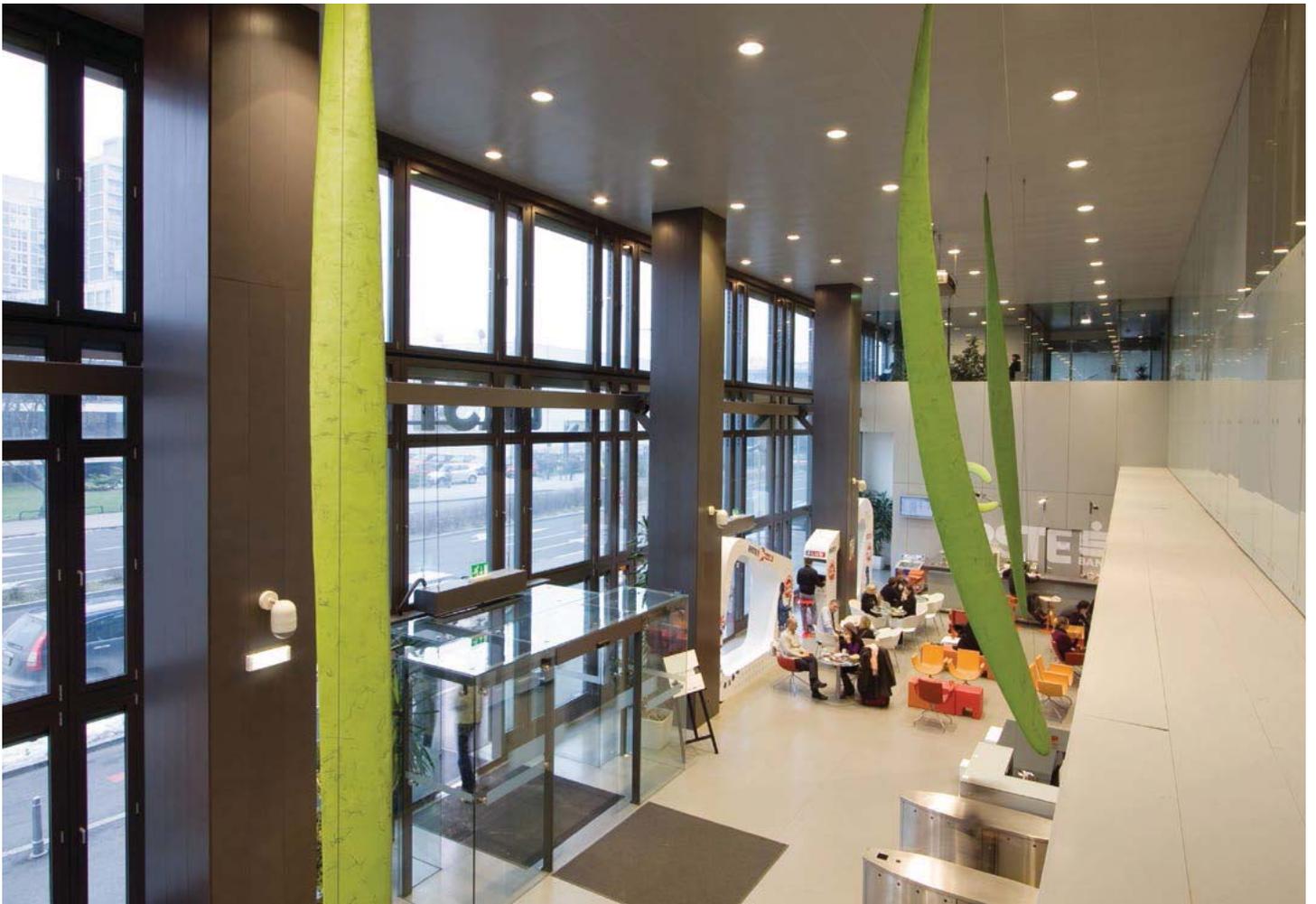


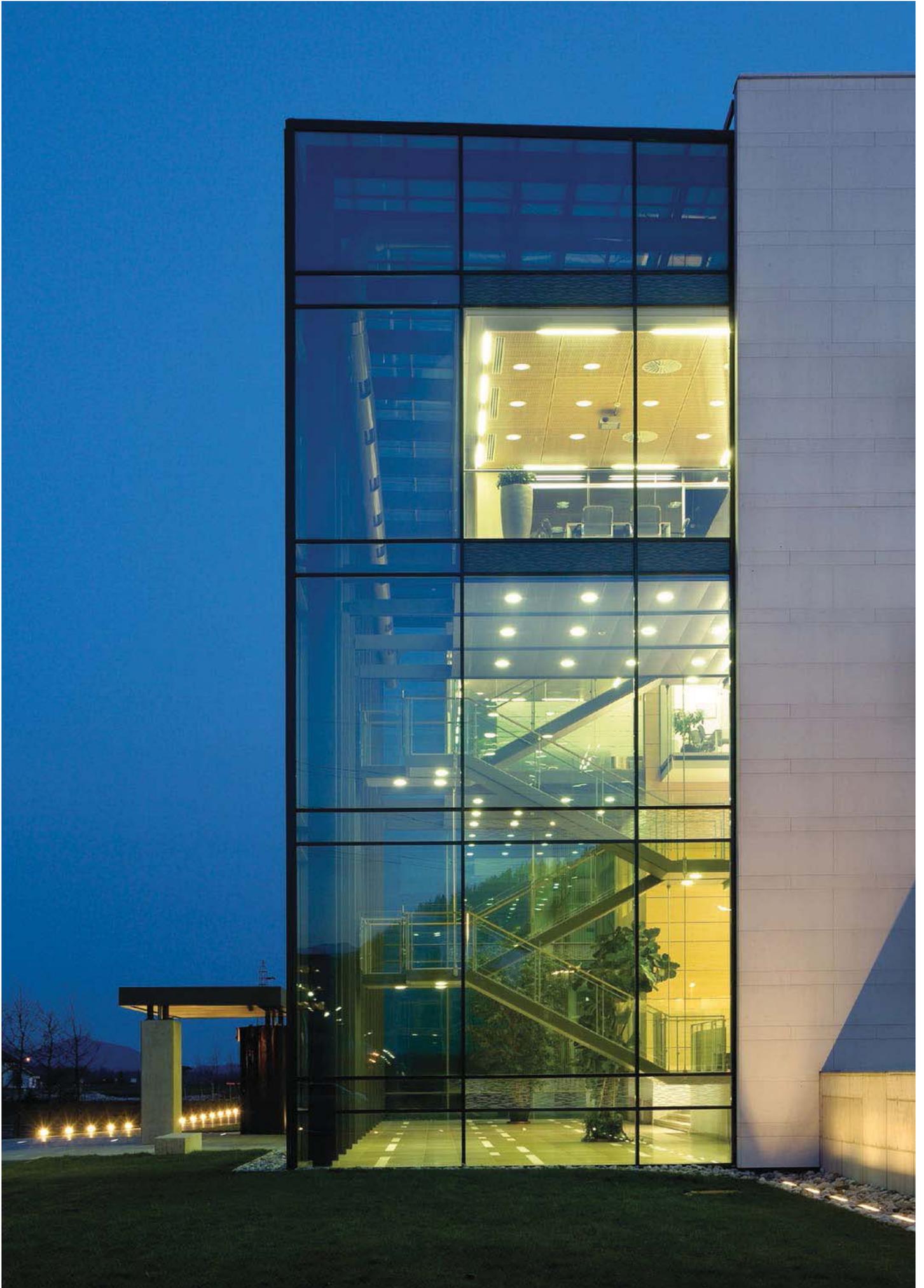
Type	Weight (kg)	Code
NITOR Recessed box (only for OH and PH)	3.9	4.8005.0001.0



Plaster ring	3.5	4.8004.1000.1
--------------	-----	---------------







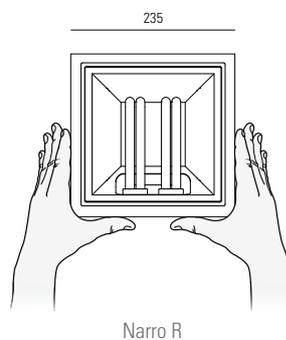
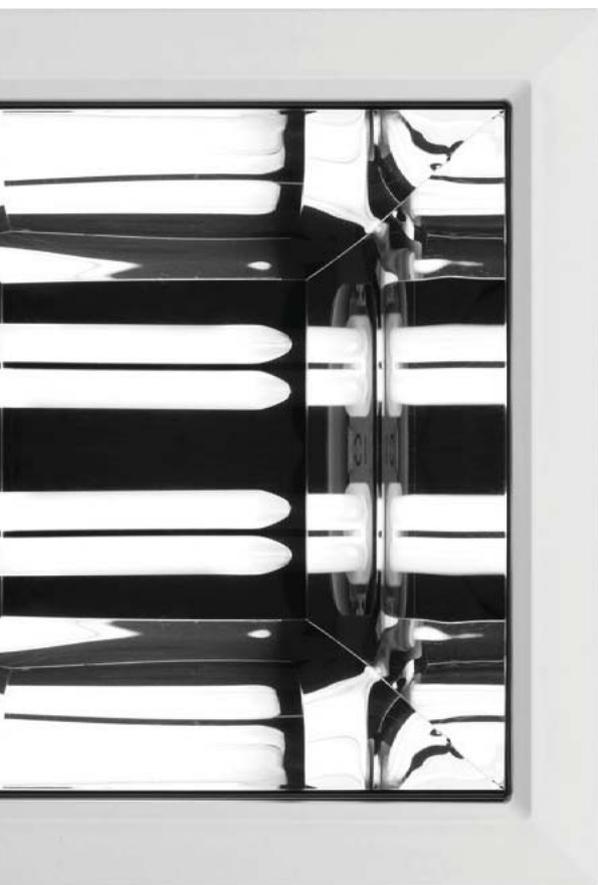




NARRO

design **Bojan Klančar**

Professional downlights, offer a high level of functionality. Reflectors, made of aluminium, are designed for an excellent light distribution. Thanks to many innovative features, the efficiency level is optimized, installation and maintenance is quick and easy, protection index is at maximum level. Top-quality materials, energy-saving technologies, aesthetic appeal with wide range of accessories and various finishes, make Narro ideal lighting solution for public and business areas.





Range and Accesories

Narro RV OL



Narro RV OH



Narro RV PH



Narro RV OA



Decorative trim



white, grey, black
IP20

Decorative trim



glass or micro-prismatic diffuser
white, grey, black
IP44



PC diffuser



IP44

RGL-DS



satin glass, partly satin glass
IP20

Optics



OL / OH optic
Optics made of aluminium which is aluminium vacuum metalized, specular finish, very high efficiency, no iridescence; height – 105 / 150 mm; glare reduction in accordance with EN 12464



PH optic
Optics made of aluminium which is aluminium vacuum metalized, very high efficiency, no iridescence; height – 150 mm; anti-glare cross blades are integrated – glare reduction in accordance with EN 12464



AS optic
Asymmetrical optics made of highly specular aluminium, very high efficiency, no iridescence; height - 150 mm;

Narro order example

Housing



Accessory



Complete fitting





- Recessed square downlight for compact fluorescent lamps
- Polycarbonate body, strengthened with glass fibres, resistant to glow wire test 850° C, white colour
- Optics made of highly specular silver-coated aluminium, very high efficiency, no iridescence
- Three different optics available
- This downlight is already wired with remote gear box
- Ballast options: magnetic, electronic (EB) or dimmable electronic (DEB DSI/ DALI/1-10V)
- Emergency kit version with 1 hour autonomy in separate gear box
- Tool free very fast installation
- Tool free easy maintenance
- Large options of different Accessories are available like decorative trims, IP44 diffusers, coloured floating glasses, etc
- GST connectors and power cable as option for fast installation - see Mounting details at the end of the catalogue

Details



Specially developed rotating element ensure easy and safe lamp replacement; also enable perfect lamp position for enhanced efficiency



Stainless steel mounting spring ensure optimum fixation into false ceilings ranging from 5-17 mm (OL) or 5-35 mm (OH, PH)



All decorative trim Accessories enables simple 'click' system fixation



Tool free fast and easy gear box connection

Control gear



Remote gear box contain magnetic, electronic or dimmable electronic ballast.



Emergency module kit is installed in separate remote gear box.

Options



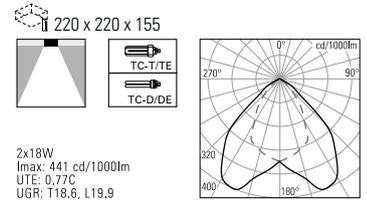
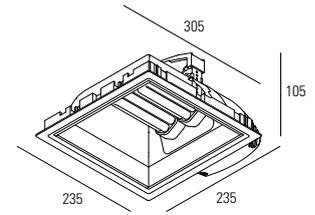
GST quick connector on request for fast installation (see Mounting details in Technical pages)

NARRO RV-OL



Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB, DEB, EM	1,0	4.911x.z118.0
1x26W TC-DE G24q-3	EB, DEB, EM	1,0	4.911x.z126.0
2x13W TC-DE G24q-1	EB, DEB, EM	1,0	4.911x.z213.0
2x18W TC-DE G24q-2	EB, DEB, EM	1,0	4.911x.z218.0
2x26W TC-DE G24q-3	EB, DEB, EM	1,0	4.911x.z226.0
2x32W TC-TE Gx24q-3	EB, DEB, EM	1,0	4.911x.z232.0

Fixtures with emergency kit module are 0,5 kg heavier.

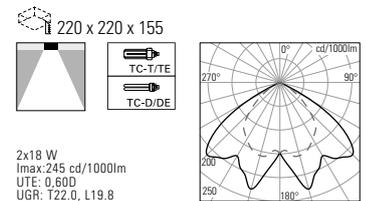
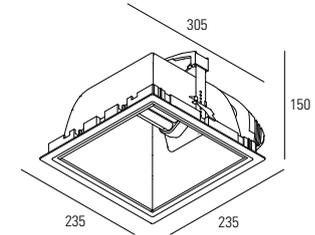


NARRO RV-OH



Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB, DEB, EM	1,1	4.912x.z118.0
1x26W TC-DE G24q-3	EB, DEB, EM	1,1	4.912x.z126.0
2x13W TC-DE G24q-1	EB, DEB, EM	1,1	4.912x.z213.0
2x18W TC-DE G24q-2	EB, DEB, EM	1,1	4.912x.z218.0
2x26W TC-DE G24q-3	EB, DEB, EM	1,1	4.912x.z226.0
2x32W TC-TE Gx24q-3	EB, DEB, EM	1,1	4.912x.z232.0

Fixtures with emergency kit module are 0,5 kg heavier.

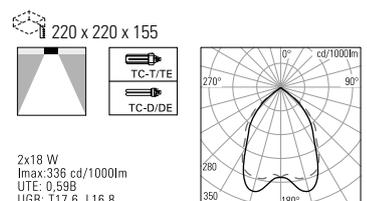
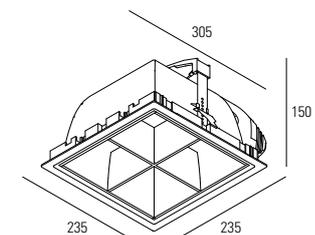


NARRO RV-PH



Type	Control Gear	Weight (kg)	Code
2x13W TC-DE G24q-1	EB, DEB, EM	1,2	4.914x.z213.0
2x18W TC-DE G24q-2	EB, DEB, EM	1,2	4.914x.z218.0
2x26W TC-DE G24q-3	EB, DEB, EM	1,2	4.914x.z226.0
2x32W TC-TE Gx24q-3	EB, DEB, EM	1,2	4.914x.z232.0

Fixtures with emergency kit module are 0,5 kg heavier.



Code definition for ballast and emergency kit

Ballast options	Code (z)	Emergency kit options	Code (x)
EB	2	w/o EM	0
DEB DSI	3	w/o EM 1h	6
DEB 1-10 V	4	with EM 1h	2
DEB DALI	5		

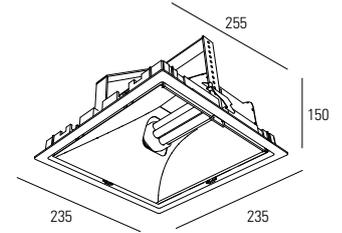
DOWNLIGHTS NARRO

NARRO RV-0A

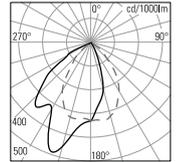


Type	Control Gear	Weight (kg)	Code
1x26/32W TC-TE Gx24q-3	EB, DEB, EM	1,1	4.918x.z232.0

Fixtures with emergency kit module are 0,5 kg heavier.



220 x 220 x 170

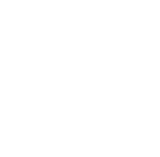


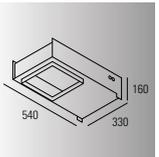
1x26 W
l_{max}: 537 cd/1000lm
UTE: 0,63C

Code definition for ballast and emergency kit

Ballast options	Code (z)	Emergency kit options	Code (x)
EB	2	w/o EM	0
DEB DSI	3	w/o EM 1h	6
DEB 1-10 V	4	with EM 1h	2
DEB DALI	5		

Accessories

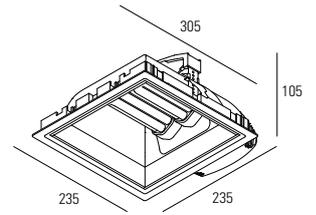
Type	Code	Type	Code
	Decorative trim white 4.9002.1000.1		PC diffuser IP44 4.9001.1000.1
	Decorative trim grey 4.9002.1000.5		QGL-DSR partly satin glass 4.9001.3110.1
	Decorative trim GL-SC with satin glass white 4.9002.2200.1		
	Decorative trim GL-SC with satin glass grey 4.9002.2200.5		
	Decorative trim GL-SI with partly satin glass white 4.9002.2300.1		
	Decorative trim GL-SI with partly satin glass grey 4.9002.2300.5		

Type	Weight (kg)	Code
 	6.2	4.9005.0001.0

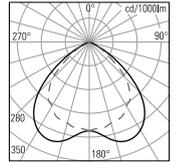
NARRO KIT RV-OL



Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB	1.1	4.9111.5118.1
1x26W TC-DE G24q-3	EB	1.1	4.9111.5126.1
2x13W TC-DE G24q-1	EB	1.1	4.9111.5213.1
2x18W TC-DE G24q-2	EB	1.1	4.9111.5218.1
2x26W TC-DE G24q-3	EB	1.1	4.9111.5226.1



220 x 220 x 120

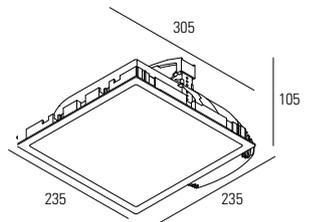


2x18W
Imax: 308 cd/1000lm
UTE: 0.63C
UGR: T20.2, L19.2

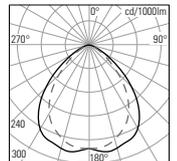
NARRO KIT RV-CL



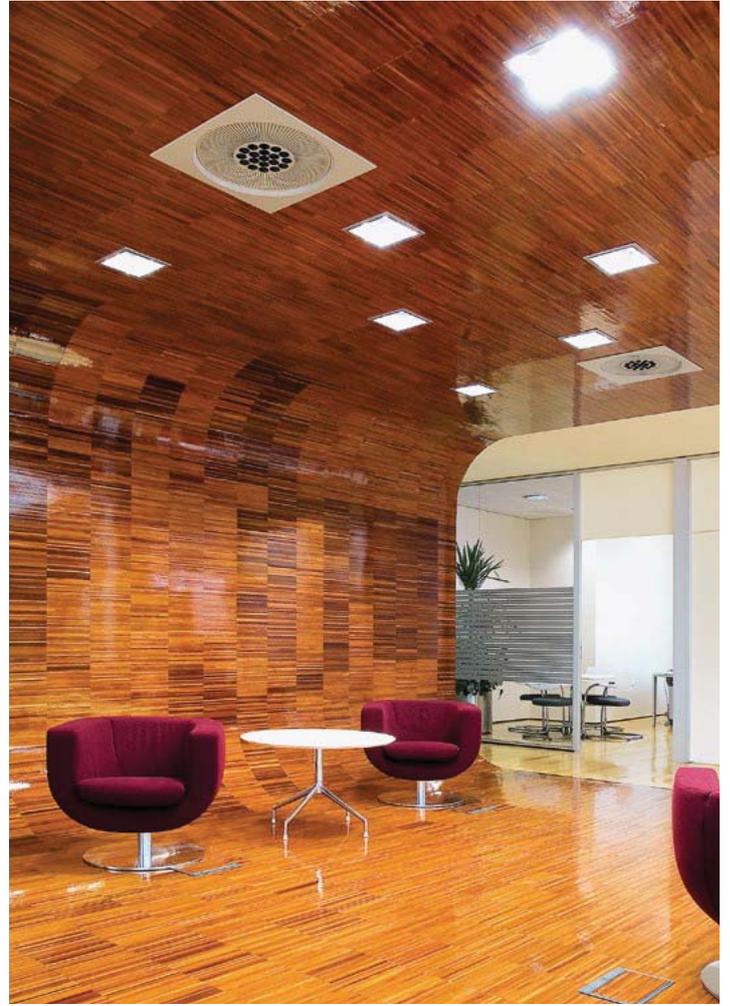
Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB	1.1	4.9112.5118.1
1x26W TC-DE G24q-3	EB	1.1	4.9112.5126.1
2x13W TC-DE G24q-1	EB	1.2	4.9112.5213.1
2x18W TC-DE G24q-2	EB	1.2	4.9112.5218.1
2x26W TC-DE G24q-3	EB	1.2	4.9112.5226.1

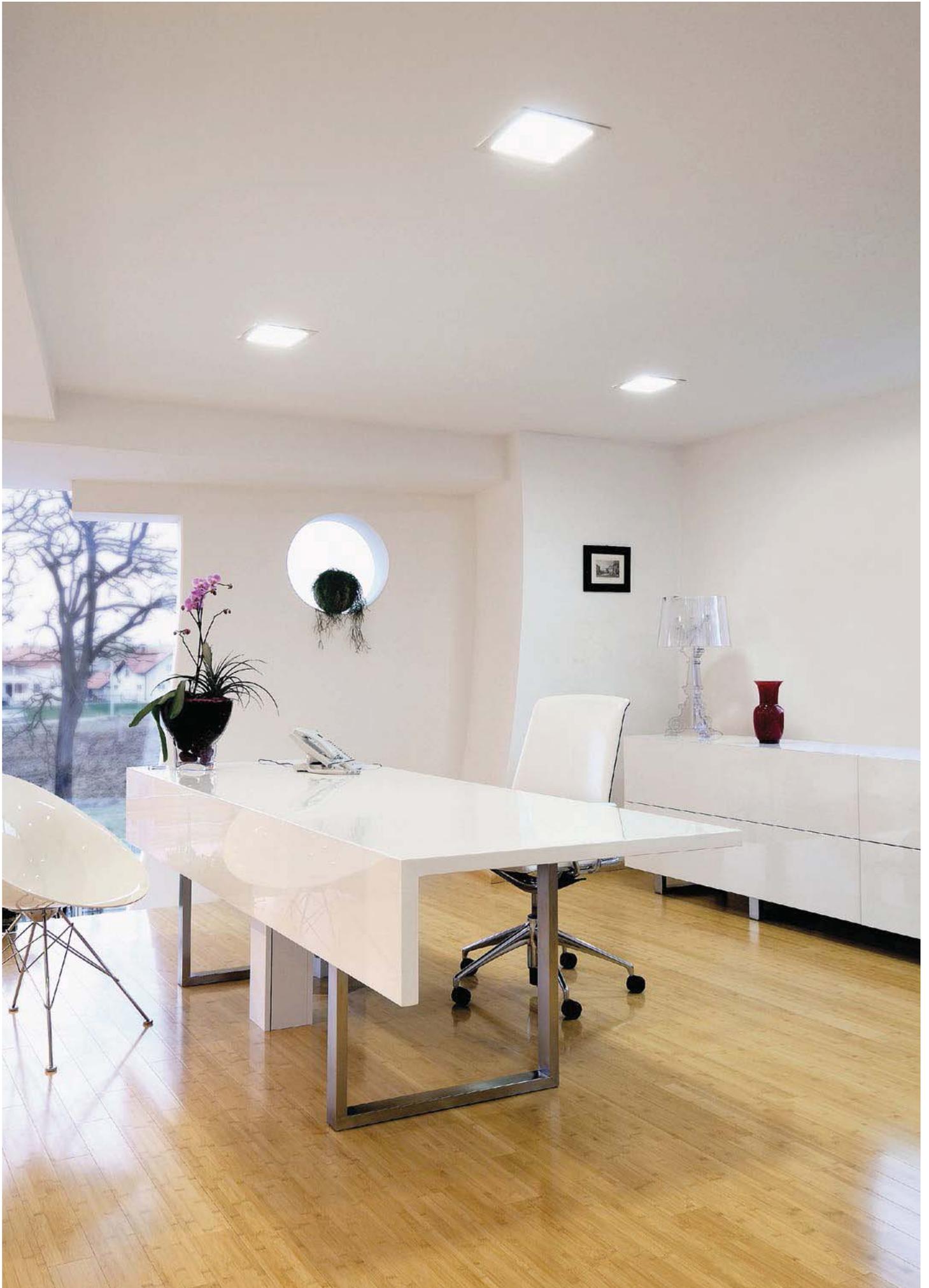


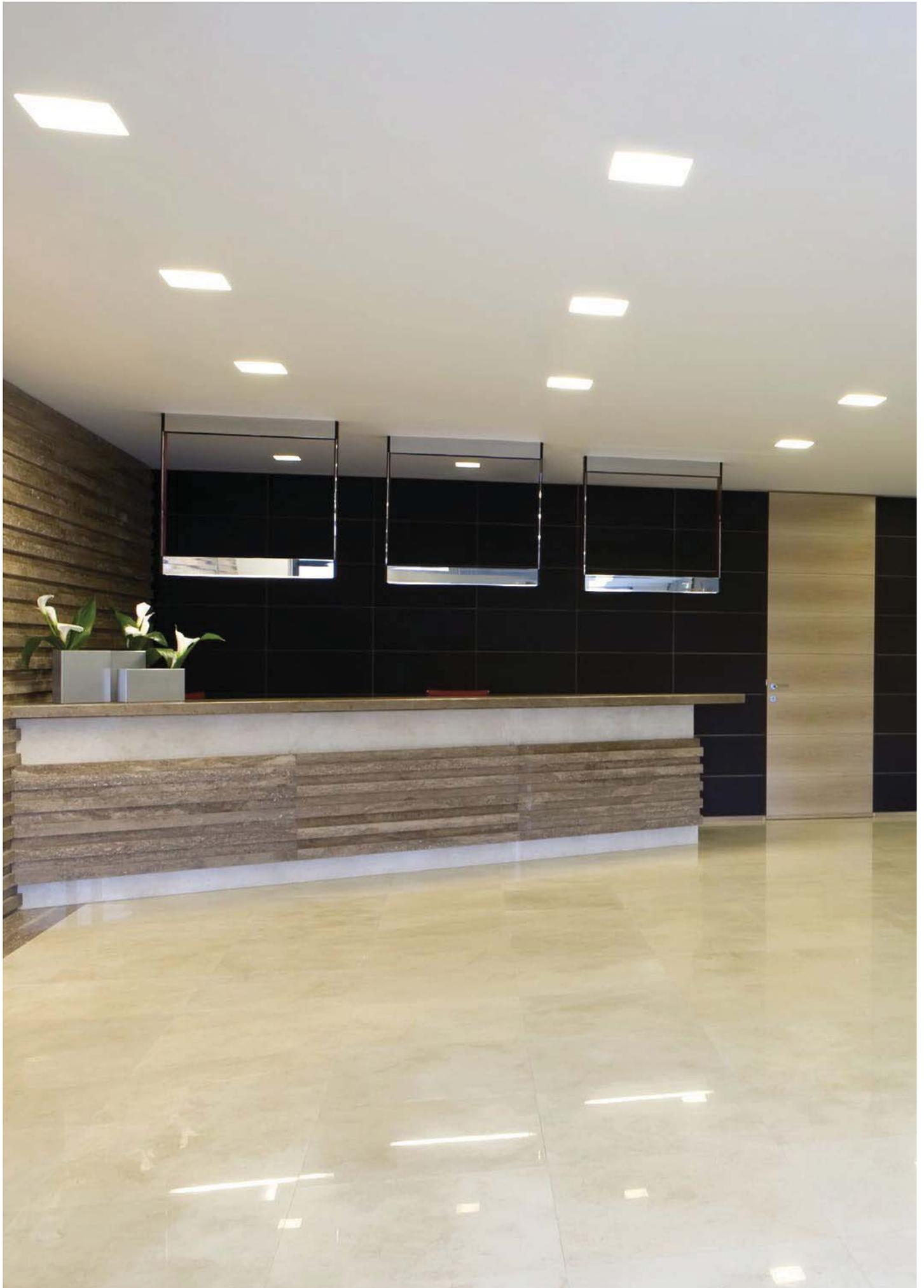
220 x 220 x 120



2x18 W
Imax: 278 cd/1000lm
UTE: 0.60C
UGR: T19.8, L18.6











- Surface mounted round downlight for compact fluorescent lamps
- Housing made of aluminium, powder coating, white colour
- Two height sizes - 120 mm (OL, CL) or 200 mm (OH, PH, CH)
- Optics made of aluminium which is aluminium vacuum metalized, very high efficiency, no iridescence
- Three different optics available - OL, OH and PH
- Integrated ballast options: magnetic, electronic (EB) or dimmable electronic (DEB DSI/DALI/1-10V)
- Emergency kit version with 1 hour autonomy is possible only in combination with 2x18 W electronic ballast and high housing versions
- Tool free easy maintenance

Range

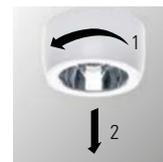


h = 120 mm



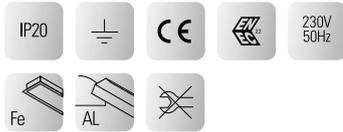
h = 200 mm

Details

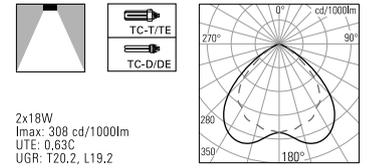
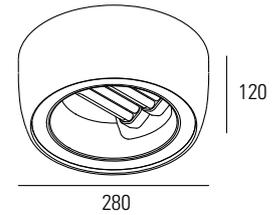


Easy decorative trim removal/fixation with simple twist and lock system

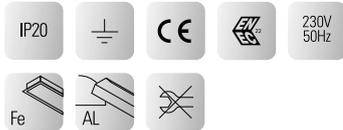
NITOR C-OL



Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB, DEB	2,0	4.831x.z118.y
1x26W TC-DE G24q-3	EB, DEB	2,0	4.831x.z126.y
2x13W TC-DE G24q-1	EB, DEB	2,0	4.831x.z213.y
2x18W TC-DE G24q-2	EB, DEB	2,0	4.831x.z218.y
2x26W TC-DE G24q-3	EB, DEB	2,0	4.831x.z226.y

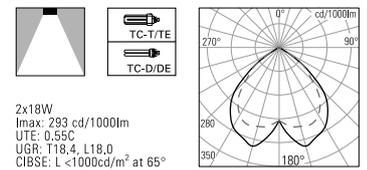
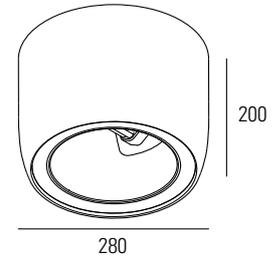


NITOR C-OH

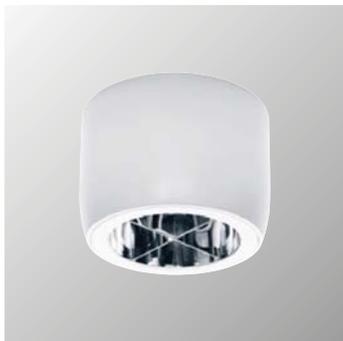


Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB, DEB, EM	2,4	4.832x.z118.y
1x26W TC-DE G24q-3	EB, DEB, EM	2,4	4.832x.z126.y
2x13W TC-DE G24q-1	EB, DEB, EM	2,4	4.832x.z213.y
2x18W TC-DE G24q-2	EB, DEB, EM	2,4	4.832x.z218.y
2x26W TC-DE G24q-3	EB, DEB, EM	2,4	4.832x.z226.y
2x32W TC-TE Gx24q-3	EB, DEB	2,4	4.832x.z232.y

Fixtures with emergency kit module are 0,5 kg heavier.

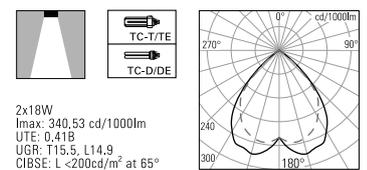
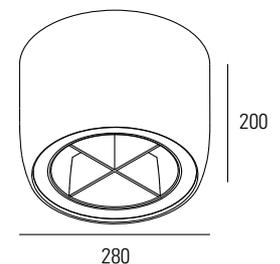


NITOR C-PH



Type	Control Gear	Weight (kg)	Code
2x13W TC-DE G24q-1	EB, DEB, EM	2,5	4.834x.z213.y
2x18W TC-DE G24q-2	EB, DEB, EM	2,5	4.834x.z218.y
2x26W TC-DE G24q-3	EB, DEB, EM	2,5	4.834x.z226.y
2x32W TC-TE Gx24q-3	EB, DEB	2,5	4.834x.z232.y

Fixtures with emergency kit module are 0,5 kg heavier.

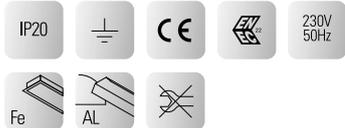


Code definition for ballast, emergency kit and colour options

Ballast options	Code (z)	Emergency kit options	Code (x)	Colour	Code (y)
EB	2	w/o EM 1h	0	White	1
DEB DSI	3	with EM 1h	6	Black	2
DEB 1-10 V	4			Silver gray	5
DEB DALI	5				

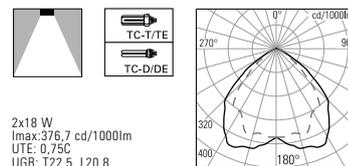
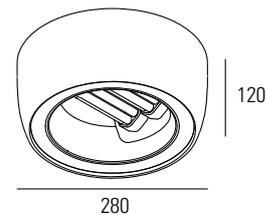
DOWNLIGHTS NITOR C

NITOR C-FL



Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB, DEB	2,0	4.830x.z118.y
1x26W TC-DE G24q-3	EB, DEB	2,0	4.830x.z126.y
2x13W TC-DE G24q-1	EB, DEB	2,0	4.830x.z213.y
2x18W TC-DE G24q-2	EB, DEB	2,0	4.830x.z218.y
2x26W TC-DE G24q-3	EB, DEB	2,0	4.830x.z226.y

Compensated versions are on request.

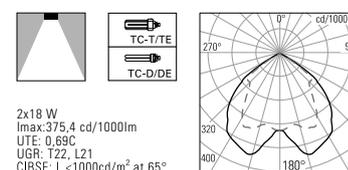
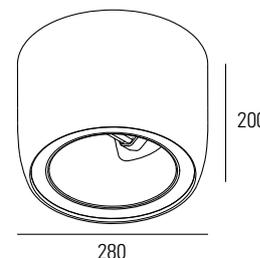


NITOR C-FH



Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB, DEB, EM	2,4	4.839x.z118.y
1x26W TC-DE G24q-3	EB, DEB, EM	2,4	4.839x.z126.y
2x13W TC-DE G24q-1	EB, DEB, EM	2,4	4.839x.z213.y
2x18W TC-DE G24q-2	EB, DEB, EM	2,4	4.839x.z218.y
2x26W TC-DE G24q-3	EB, DEB, EM	2,4	4.839x.z226.y
2x32W TC-TE Gx24q-3	EB, DEB	2,4	4.839x.z232.y

Compensated versions are on request.
Fixtures with emergency kit module are 0,5 kg heavier.



Code definition for ballast, emergency kit and colour options

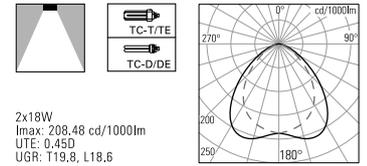
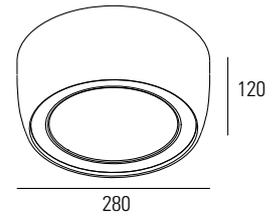
Ballast options	Code (z)	Emergency kit options	Code (x)	Colour	Code (y)
EB	2	w/o EM 1h	0	White	1
DEB DSI	3	with EM 1h	6	Black	2
DEB 1-10 V	4			Silver gray	5
DEB DALI	5				

NITOR C-CL



Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB, DEB	2,4	4.8350.z118.y
1x26W TC-DE G24q-3	EB, DEB	2,4	4.8350.z126.y
2x13W TC-DE G24q-1	EB, DEB	2,4	4.8350.z213.y
2x18W TC-DE G24q-2	EB, DEB	2,4	4.8350.z218.y
2x26W TC-DE G24q-3	EB, DEB	2,4	4.8350.z226.y

Compensated versions are on request.

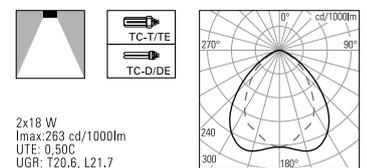
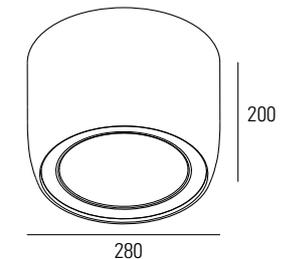


NITOR C-CH



Type	Control Gear	Weight (kg)	Code
1x18W TC-DE G24q-2	EB, DEB	2,8	4.8360.z118.y
1x26W TC-DE G24q-3	EB, DEB	2,8	4.8360.z126.y
2x13W TC-DE G24q-1	EB, DEB	2,8	4.8360.z213.y
2x18W TC-DE G24q-2	EB, DEB	2,8	4.8360.z218.y
2x26W TC-DE G24q-3	EB, DEB	2,8	4.8360.z226.y
2x32W TC-TE Gx24q-3	EB, DEB	2,8	4.8360.z232.y

Compensated versions are on request.

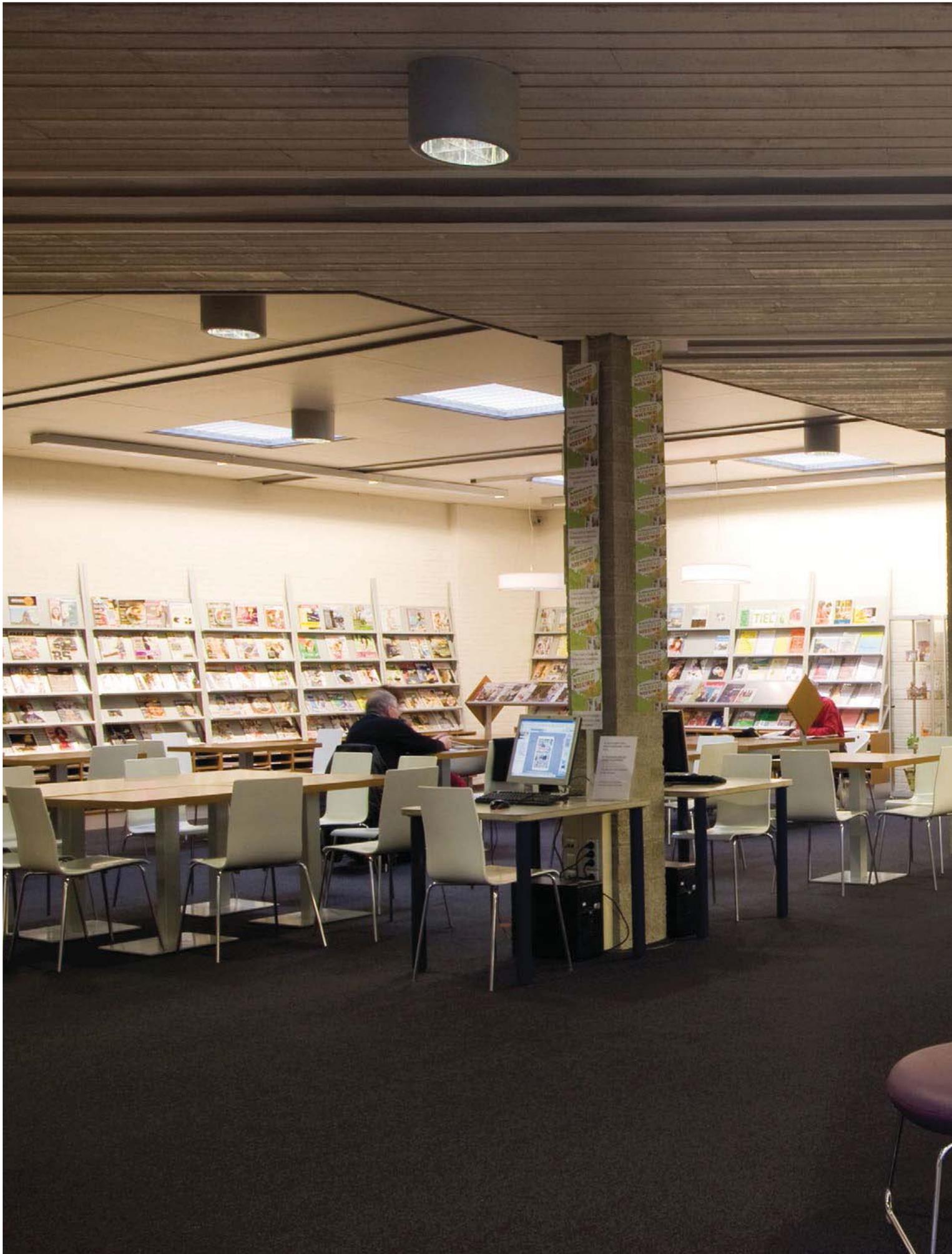


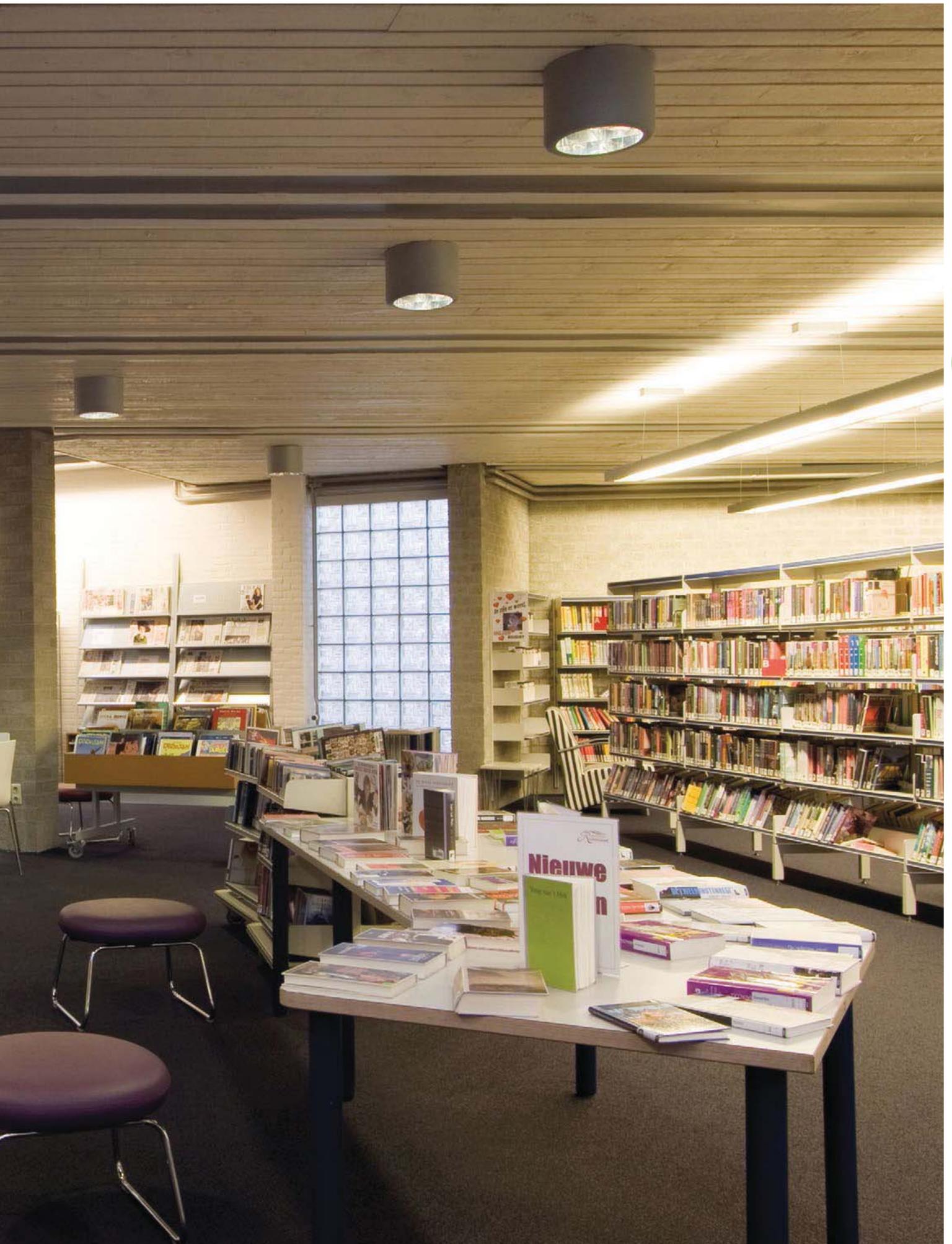
Code definition for ballast and colour options

Ballast options	Code (z)	Colour	Code (y)
EB	2	White	1
DEB DSI	3	Black	2
DEB 1-10 V	4	Silver gray	5
DEB DALI	5		









MIVA LINE

EXTREME EFFICIENCY
EXCELLENT GLARE CONTROL
MODULARITY AND
MAINTENANCE

up to **92%**
high light
output



MIVA LINE



p 171



p 173



p 174

ATRIX



p 180



p 182

LIGHTING SYSTEMS



MIVA LINE

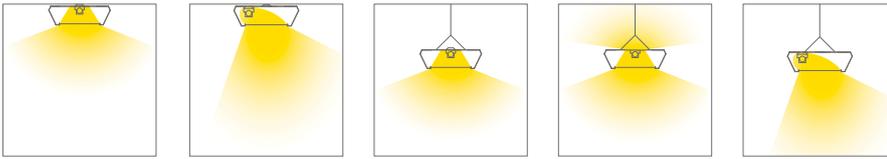
Scale 1:5



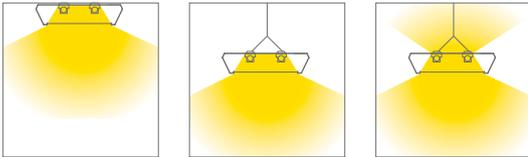
This high-performance lighting fixture sets new standards in interior lighting. The multi-functional and modular system offers a diverse selection of optics to enable maximum performance in all situations. Single or double-lamp versions allow flexibility in the modular systems as well as the stand-alone fixture.

Family range

Single-lamp versions



Double-lamp versions



Optics



HDP optic
Double parabolic louvre, highly specular silver-coated aluminium, high efficiency and anti iridescence, blades closed on top, spring fastening, glare reduction in accordance with EN 12464



DP optic
Double parabolic louvre, highly specular aluminium, high efficiency and anti iridescence, blades closed on top, spring fastening, glare reduction in accordance with EN 12464



HMP optic
Double parabolic louvre, satin silver-coated aluminium, high efficiency and anti iridescence, blades closed on top, spring fastening, glare reduction in accordance with EN 12464



MP optic
Double parabolic louvre, satin aluminium, high efficiency and anti iridescence, blades closed on top, spring fastening



PR diffuser
Highly transparent PMMA micro-prismatic diffuser with silver-coated aluminium reflector



OP diffuser
Opal PC diffuser



AS optic
Satin aluminium asymmetrical parabolic reflector, anti-iridescence

Line connection

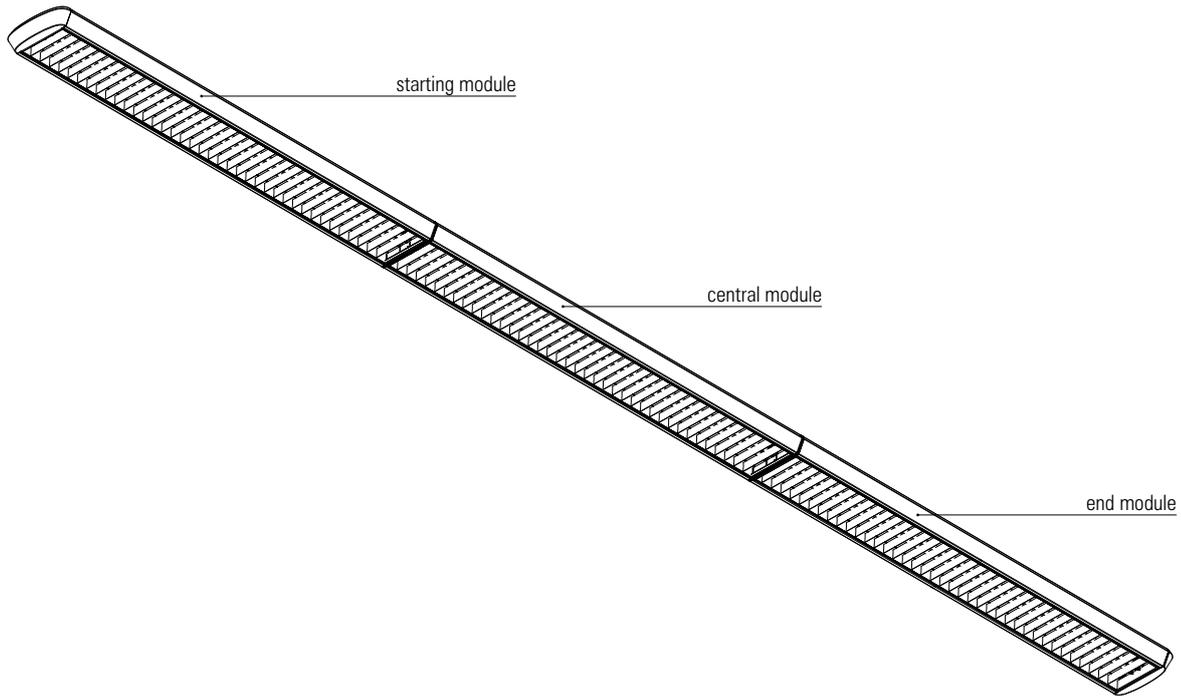


Miva Line is supplied with 7-pole through wiring with fast connectors which allows fast and simple line connection. This also allows many different switching possibilities or connection to dimmable systems and integration of emergency modules.

Daylight and presence sensor



For optimum performance, high efficiency optics are not enough. With intelligent daylight and presence detection systems is possible to increase energy savings dramatically. It's very important that such systems are easy to install and easy to use. With a simple rotation on the sensor the user can select one of six different application modes such as single or open-space office, meeting room, corridor, etc.



Starting module (Ls) / End module (Le)		
power (W)	HDP / HMP / GL / PR	AS
1x28/54W	1219	1233
1x35/49W	1519	1533
2x28/54W	1215	/
2x35/49W	1515	/

Central module (Lc)		
power (W)	HDP / HMP / GL / PR	AS
1x28/54W	1150	1186
1x35/49W	1450	1486
2x28/54W	1150	/
2x35/49W	1450	/

Range



Single-lamp version



Asymmetrical reflector version



Double-lamp version

Details



Specially designed polycarbonate coupler enables fast and easy fixture connection.



Adjustable wire suspension set is available in 1500 and 3000 mm length. One set needed per fixture.



All Miva Line modules include 7-pole through wiring and offers different switching cycles, dimming signals or emergency modules. Fast line connection is enabled by 7-pole quick connector

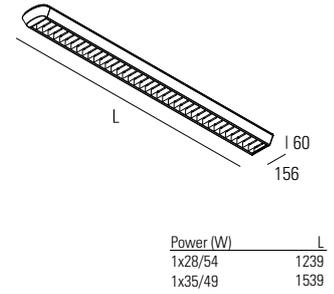


Power feed set (transparent cable and ceiling cup) is available in 3p and 5p version, both in 1500 and 3000 mm length. Example: DEB EM combination require 3p and 5p power feed.

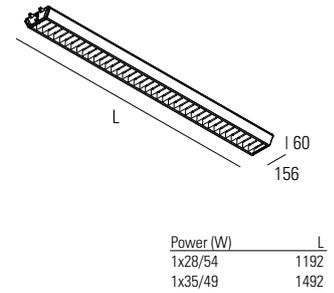
MIVA LINE HDP/HMP



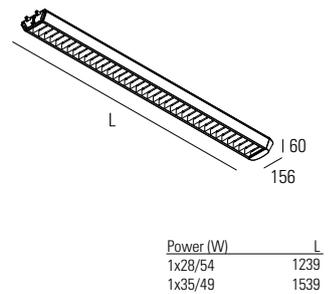
Type	Ballast	Weight (kg)	Code
Starting modules			
Versions with direct optic			
1x28W T16 G5	EB, DEB, EM	2,5	2.51zx.1101.y
1x54W T16 G5	EB, DEB, EM	2,5	2.51zx.1401.y
1x35W T16 G5	EB, DEB, EM	3,1	2.51zx.1201.y
1x49W T16 G5	EB, DEB, EM	3,1	2.51zx.1301.y
Versions with direct/indirect optic			
1x28W T16 G5	EB, DEB, EM	2,5	2.52zx.1101.y
1x54W T16 G5	EB, DEB, EM	2,5	2.52zx.1401.y
1x35W T16 G5	EB, DEB, EM	3,1	2.52zx.1201.y
1x49W T16 G5	EB, DEB, EM	3,1	2.52zx.1301.y



Central modules			
Versions with direct optic			
1x28W T16 G5	EB, DEB, EM	2,5	2.51zx.1102.y
1x54W T16 G5	EB, DEB, EM	2,5	2.51zx.1402.y
1x35W T16 G5	EB, DEB, EM	3,1	2.51zx.1202.y
1x49W T16 G5	EB, DEB, EM	3,1	2.51zx.1302.y
Versions with direct/indirect optic			
1x28W T16 G5	EB, DEB, EM	2,5	2.52zx.1102.y
1x54W T16 G5	EB, DEB, EM	2,5	2.52zx.1402.y
1x35W T16 G5	EB, DEB, EM	3,1	2.52zx.1202.y
1x49W T16 G5	EB, DEB, EM	3,1	2.52zx.1302.y



End modules			
Versions with direct optic			
1x28W T16 G5	EB, DEB, EM	2,5	2.51zx.1103.y
1x54W T16 G5	EB, DEB, EM	2,5	2.51zx.1403.y
1x35W T16 G5	EB, DEB, EM	3,1	2.51zx.1203.y
1x49W T16 G5	EB, DEB, EM	3,1	2.51zx.1303.y
Versions with direct/indirect optic			
1x28W T16 G5	EB, DEB, EM	2,5	2.52zx.1103.y
1x54W T16 G5	EB, DEB, EM	2,5	2.52zx.1403.y
1x35W T16 G5	EB, DEB, EM	3,1	2.52zx.1203.y
1x49W T16 G5	EB, DEB, EM	3,1	2.52zx.1303.y



Available also with DP and MP optics.
Suspension set for pendant version must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.

For Miva Line photometric information see Miva chapter and 'Photometrics' at technical pages.

Accessories



Type	Code
Adjustable wire suspension set L=1500 mm	2.5000.0013.0
Adjustable wire suspension set L=3000 mm	2.5000.0030.0
Power outlet 3x1,5mm ² L=1500 mm	3.7200.0317.y
Power outlet 3x1,5mm ² L=3000 mm	3.7200.0337.y
Power outlet 5x1,5mm ² L=1500 mm	3.7200.0017.y
Power outlet 5x1,5mm ² L=3000 mm	3.7200.0037.y

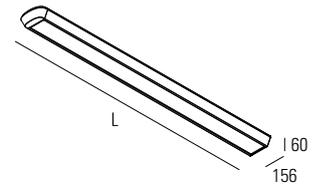
Code definition for optics, ballast, emergency kit and colour options

Optics	Code (z)	Ballast options	Code (x)	Emergency kit options	Code (x)	Colour	Code (y)
HDP	1	EB	4	EB EM 1h	7	White	1
HMP	2	DEB - DALI	1	DEB - DALI EM 1h	2	Silver gray	5
DP	6	DEB - DSI	5	DEB - DSI EM 1h	8		
MP	7	DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9		

MIVA LINE GL/PR

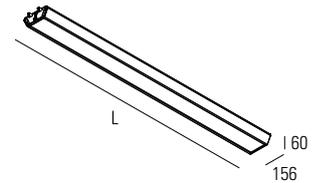


Type	Ballast	Weight (kg)	Code
Starting modules			
Versions with direct optic			
1x28W T16 G5	EB, DEB, EM	2,7	2.51zx.1101.y
1x54W T16 G5	EB, DEB, EM	2,7	2.51zx.1401.y
1x35W T16 G5	EB, DEB, EM	3,3	2.51zx.1201.y
1x49W T16 G5	EB, DEB, EM	3,3	2.51zx.1301.y



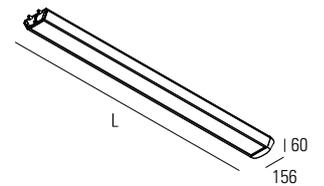
Power (W)	L
1x28/54	1287
1x35/49	1587

Type	Ballast	Weight (kg)	Code
Central modules			
Versions with direct optic			
1x28W T16 G5	EB, DEB, EM	2,7	2.51zx.1102.y
1x54W T16 G5	EB, DEB, EM	2,7	2.51zx.1402.y
1x35W T16 G5	EB, DEB, EM	3,3	2.51zx.1202.y
1x49W T16 G5	EB, DEB, EM	3,3	2.51zx.1302.y



Power (W)	L
1x28/54	1287
1x35/49	1587

Type	Ballast	Weight (kg)	Code
End modules			
Versions with direct optic			
1x28W T16 G5	EB, DEB, EM	2,7	2.51zx.1103.y
1x54W T16 G5	EB, DEB, EM	2,7	2.51zx.1403.y
1x35W T16 G5	EB, DEB, EM	3,3	2.51zx.1203.y
1x49W T16 G5	EB, DEB, EM	3,3	2.51zx.1303.y



Power (W)	L
1x28/54	1287
1x35/49	1587

Suspension set for pendant version must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.

For Miva Line photometric information see Miva chapter and 'Photometrics' at technical pages.

Accessories



Type	Code
Adjustable wire suspension set L=1500 mm	2.5000.0013.0
Adjustable wire suspension set L=3000 mm	2.5000.0030.0
Power outlet 3x1,5mm ² L=1500 mm	3.7200.0317.y
Power outlet 3x1,5mm ² L=3000 mm	3.7200.0337.y
Power outlet 5x1,5mm ² L=1500 mm	3.7200.0017.y
Power outlet 5x1,5mm ² L=3000 mm	3.7200.0037.y

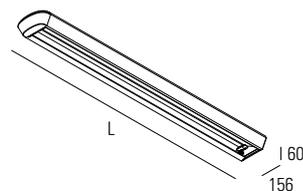
Code definition for optics, ballast, emergency kit and colour options

Optics	Code (z)	Ballast options	Code (x)	Emergency kit options	Code (x)	Colour	Code (y)
GL	3	EB	4	EB EM 1h	7	White	1
PR	4	DEB - DALI	1	DEB - DALI EM 1h	2	Silver gray	5
		DEB - DSI	5	DEB - DSI EM 1h	8		
		DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9		

MIVA LINE AS

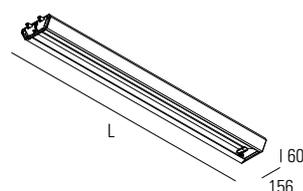


Type	Ballast	Weight (kg)	Code
Starting modules			
Versions with direct optic			
1x28W T16 G5	EB, DEB	2,4	2.515x.1101.y
1x54W T16 G5	EB, DEB	2,4	2.515x.1401.y
1x35W T16 G5	EB, DEB	2,7	2.515x.1201.y
1x49W T16 G5	EB, DEB	2,7	2.515x.1301.y



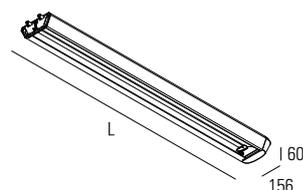
Power (W)	L
1x28/54	1233
1x35/49	1533

Central modules			
Versions with direct optic			
1x28W T16 G5	EB, DEB	2,4	2.515x.1102.y
1x54W T16 G5	EB, DEB	2,4	2.515x.1402.y
1x35W T16 G5	EB, DEB	2,7	2.515x.1202.y
1x49W T16 G5	EB, DEB	2,7	2.515x.1302.y



Power (W)	L
1x28/54	1186
1x35/49	1486

End modules			
Versions with direct optic			
1x28W T16 G5	EB, DEB	2,4	2.515x.1103.y
1x54W T16 G5	EB, DEB	2,4	2.515x.1403.y
1x35W T16 G5	EB, DEB	2,7	2.515x.1203.y
1x49W T16 G5	EB, DEB	2,7	2.515x.1303.y



Power (W)	L
1x28/54	1233
1x35/49	1533

Suspension set for pendant version must be ordered separately.
 Fixtures with emergency kit module are 0,5 kg heavier.

For Miva Line photometric information see Miva chapter and 'Photometrics' at technical pages.

Accessories



Type	Code
Adjustable wire suspension set L=1500 mm	2.5000.0013.0
Adjustable wire suspension set L=3000 mm	2.5000.0030.0
Power outlet 3x1,5mm ² L=1500 mm	3.7200.0317.y
Power outlet 3x1,5mm ² L=3000 mm	3.7200.0337.y
Power outlet 5x1,5mm ² L=1500 mm	3.7200.0017.y
Power outlet 5x1,5mm ² L=3000 mm	3.7200.0037.y

Code definition for ballast and colour options

Ballast options	Code (x)	Colour	Code (y)
EB	4	White	1
DEB - DALI	1	Silver grey	5
DEB - DSI	5		
DEB 1 - 10V	3		

MIVA LINE HDP/HMP



Type	Ballast	Weight (kg)	Code
------	---------	-------------	------

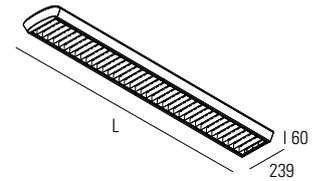
Starting modules

Versions with direct optic

2x28W T16 G5	EB, DEB, EM	2,8	2.51zx.2101.y
2x54W T16 G5	EB, DEB, EM	2,8	2.51zx.2401.y
2x35W T16 G5	EB, DEB, EM	3,5	2.51zx.2201.y
2x49W T16 G5	EB, DEB, EM	3,5	2.51zx.2301.y

Versions with direct/indirect optic

2x28W T16 G5	EB, DEB, EM	2,8	2.52zx.2101.y
2x54W T16 G5	EB, DEB, EM	2,8	2.52zx.2401.y
2x35W T16 G5	EB, DEB, EM	3,5	2.52zx.2201.y
2x49W T16 G5	EB, DEB, EM	3,5	2.52zx.2301.y



Power (W)	L
2x28/54	1236
2x35/49	1536

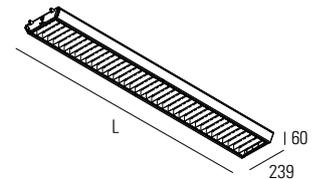
Central modules

Versions with direct optic

2x28W T16 G5	EB, DEB, EM	2,8	2.51zx.2102.y
2x54W T16 G5	EB, DEB, EM	2,8	2.51zx.2402.y
2x35W T16 G5	EB, DEB, EM	3,5	2.51zx.2202.y
2x49W T16 G5	EB, DEB, EM	3,5	2.51zx.2302.y

Versions with direct/indirect optic

2x28W T16 G5	EB, DEB, EM	2,8	2.52zx.2102.y
2x54W T16 G5	EB, DEB, EM	2,8	2.52zx.2402.y
2x35W T16 G5	EB, DEB, EM	3,5	2.52zx.2202.y
2x49W T16 G5	EB, DEB, EM	3,5	2.52zx.2302.y



Power (W)	L
2x28/54	1192
2x35/49	1492

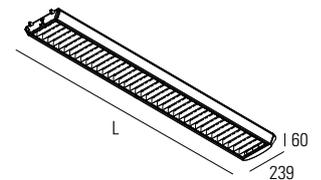
End modules

Versions with direct optic

2x28W T16 G5	EB, DEB, EM	2,8	2.51zx.2103.y
2x54W T16 G5	EB, DEB, EM	2,8	2.51zx.2403.y
2x35W T16 G5	EB, DEB, EM	3,5	2.51zx.2203.y
2x49W T16 G5	EB, DEB, EM	3,5	2.51zx.2303.y

Versions with direct/indirect optic

2x28W T16 G5	EB, DEB, EM	2,8	2.52zx.2103.y
2x54W T16 G5	EB, DEB, EM	2,8	2.52zx.2403.y
2x35W T16 G5	EB, DEB, EM	3,5	2.52zx.2203.y
2x49W T16 G5	EB, DEB, EM	3,5	2.52zx.2303.y



Power (W)	L
2x28/54	1236
2x35/49	1536

Available also with DP and MP optics.

Suspension set for pendant version must be ordered separately.

Fixtures with emergency kit module are 0,5 kg heavier.

For Miva Line photometric information see Miva chapter and 'Photometrics' at technical pages.

Accessories



Type	Code
------	------

Adjustable wire suspension set L=1500 mm	2.5000.0013.0
Adjustable wire suspension set L=3000 mm	2.5000.0030.0

Power outlet 3x1,5mm ² L=1500 mm	3.7200.0317.y
Power outlet 3x1,5mm ² L=3000 mm	3.7200.0337.y

Power outlet 5x1,5mm ² L=1500 mm	3.7200.0017.y
Power outlet 5x1,5mm ² L=3000 mm	3.7200.0037.y

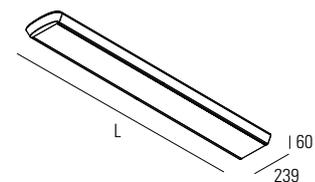
Code definition for optics, ballast, emergency kit and colour options

Optics	Code (z)	Ballast options	Code (x)	Emergency kit options	Code (x)	Colour	Code (y)
HDP	1	EB	4	EB EM 1h	7	White	1
HMP	2	DEB - DALI	1	DEB - DALI EM 1h	2	Silver gray	5
DP	6	DEB - DSI	5	DEB - DSI EM 1h	8		
MP	7	DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9		

MIVA LINE GL/PR

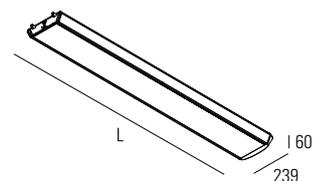


Type	Ballast	Weight (kg)	Code
Starting modules			
Versions with direct optic			
2x28W T16 G5	EB, DEB, EM	3,0	2.51zx.2101.y
2x54W T16 G5	EB, DEB, EM	3,0	2.51zx.2401.y
2x35W T16 G5	EB, DEB, EM	3,8	2.51zx.2201.y
2x49W T16 G5	EB, DEB, EM	3,8	2.51zx.2301.y



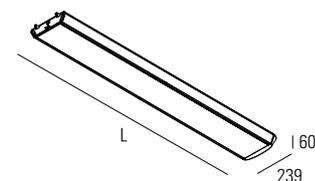
Power (W)	L
2x28/54	1236
2x35/49	1536

Type	Ballast	Weight (kg)	Code
Central modules			
Versions with direct optic			
2x28W T16 G5	EB, DEB, EM	3,0	2.51zx.2102.y
2x54W T16 G5	EB, DEB, EM	3,0	2.51zx.2402.y
2x35W T16 G5	EB, DEB, EM	3,8	2.51zx.2202.y
2x49W T16 G5	EB, DEB, EM	3,8	2.51zx.2302.y



Power (W)	L
2x28/54	1236
2x35/49	1536

Type	Ballast	Weight (kg)	Code
End modules			
Versions with direct optic			
2x28W T16 G5	EB, DEB, EM	3,0	2.51zx.2103.y
2x54W T16 G5	EB, DEB, EM	3,0	2.51zx.2403.y
2x35W T16 G5	EB, DEB, EM	3,8	2.51zx.2203.y
2x49W T16 G5	EB, DEB, EM	3,8	2.51zx.2303.y



Suspension set for pendant version must be ordered separately.
 Fixtures with emergency kit module are 0,5 kg heavier.

For Miva Line photometric information see Miva chapter and 'Photometrics' at technical pages.

Power (W)	L
2x28/54	1236
2x35/49	1536

Accessories



Type	Code
Adjustable wire suspension set L=1500 mm	2.5000.0013.0
Adjustable wire suspension set L=3000 mm	2.5000.0030.0
Power outlet 3x1,5mm ² L=1500 mm	3.7200.0317.y
Power outlet 3x1,5mm ² L=3000 mm	3.7200.0337.y
Power outlet 5x1,5mm ² L=1500 mm	3.7200.0017.y
Power outlet 5x1,5mm ² L=3000 mm	3.7200.0037.y

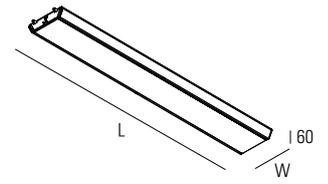
Code definition for optics, ballast, emergency kit and colour options

Optics	Code (z)	Ballast options	Code (x)	Emergency kit options	Code (x)	Colour	Code (y)
GL	3	EB	4	EB EM 1h	7	White	1
PR	4	DEB - DALI	1	DEB - DALI EM 1h	2	Silver gray	5
		DEB - DSI	5	DEB - DSI EM 1h	8		
		DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9		

MIVA LINE blind module



Type	Length (L)	Weight (kg)	Code
Single-lamp version			
Blind module	300	0,5	2.5101.0300.y
Blind module	600	1,0	2.5101.0600.y
Blind module	900	1,5	2.5101.0900.y
Blind module	1200	1,9	2.5101.1200.y
Double-lamp version			
Blind module	300	0,6	2.5102.0300.y
Blind module	600	1,1	2.5102.0600.y
Blind module	900	1,6	2.5102.0900.y
Blind module	1200	2,0	2.5102.1200.y



	W
single-lamp version	156
double-lamp version	239

Accessories



Type	Code
Adjustable wire suspension set L=1500 mm	2.5000.0013.0
Adjustable wire suspension set L=3000 mm	2.5000.0030.0



Power outlet 3x1,5mm ² L=1500 mm	3.7200.0317.y
Power outlet 3x1,5mm ² L=3000 mm	3.7200.0337.y
Power outlet 5x1,5mm ² L=1500 mm	3.7200.0017.y
Power outlet 5x1,5mm ² L=3000 mm	3.7200.0037.y

Code definition for colour options

Colour	Code (y)
White	1
Silver gray	5



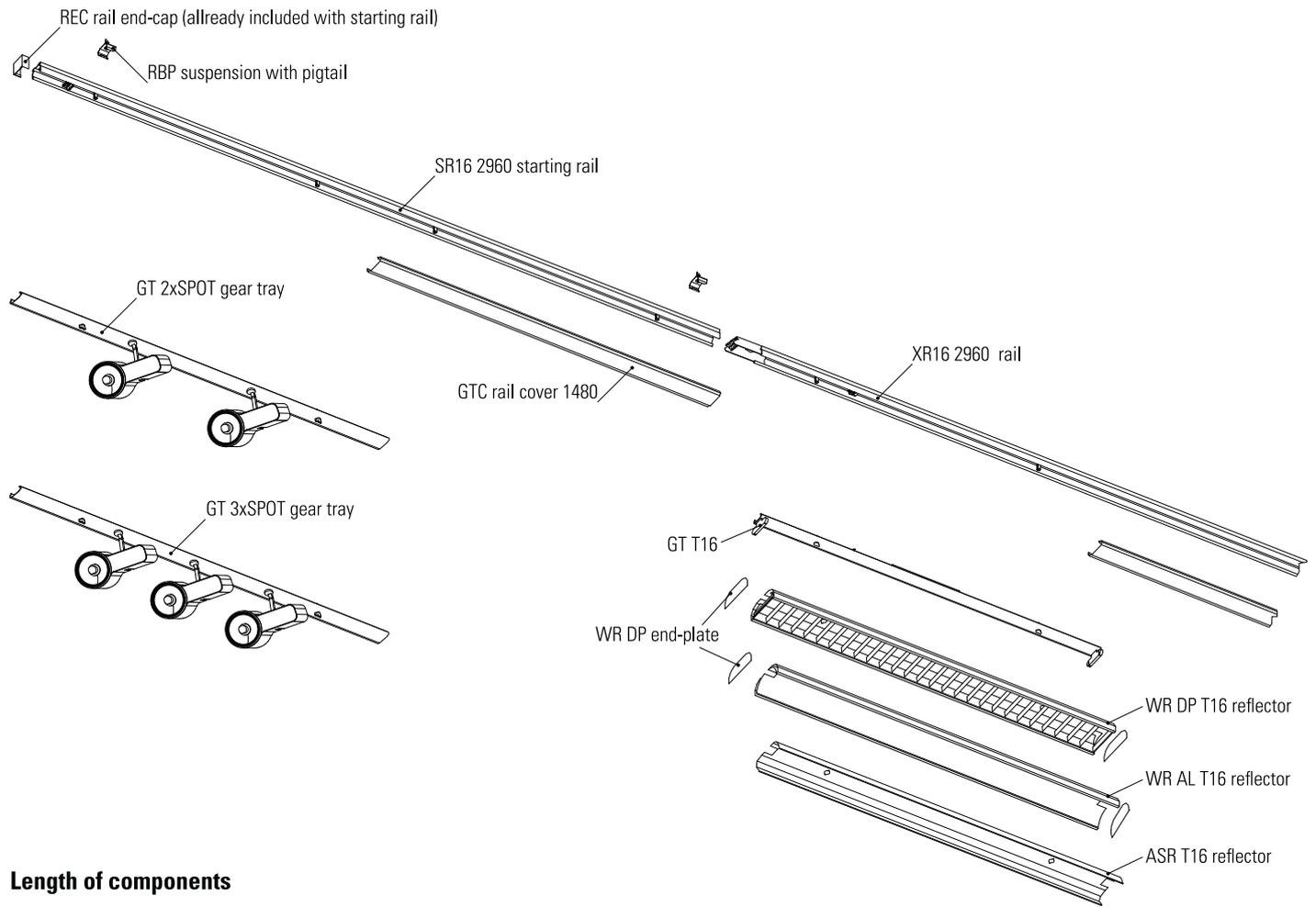


ATRIX

Atrix lighting system meets all requirements for good illumination in commercial and industrial areas. Its simplicity and ease makes Atrix a perfect choice for the job. Fast installation, variety of components and high efficiency are just some of the advantages, which keeps users and installers satisfied. "Light on the place where is needed" and high efficiency lighting modules are key to ensure energy efficient lighting.

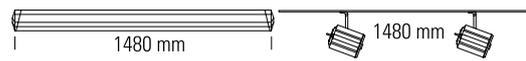


TRIX T16 - Components configuration



Length of components

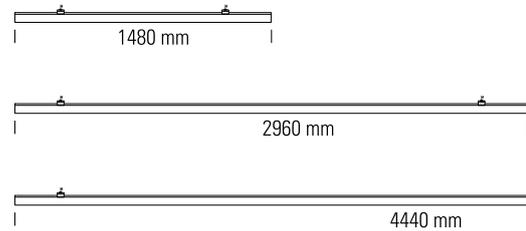
Gear tray T16 / Spot



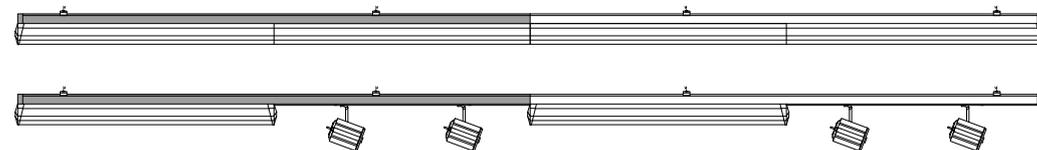
Starting rail



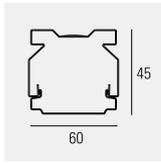
Continuous rail



System example



Rails



Type	Control Gear	Weight (kg)	Code
SR16 2960 5x2,5 mm ²		4.7	5.0012.2525.1
SR16 2960 7x2,5 mm ²		4.7	5.0012.2725.1
SR16 2960 8x2,5 mm ²		4.9	5.0012.2825.1

Note: starting rail includes two rail end cap

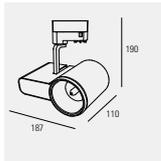


XR16 1480 5x2,5 mm ²		2.3	5.0022.1525.1
XR16 2960 5x2,5 mm ²		4.7	5.0022.2525.1
XR16 4440 5x2,5 mm ²		7	5.0022.3525.1
XR16 1480 7x2,5 mm ²		2.4	5.0022.1725.1
XR16 2960 7x2,5 mm ²		4.8	5.0022.2725.1
XR16 4440 7x2,5 mm ²		7.1	5.0022.3725.1
XR16 1480 8x2,5 mm ²		2.6	5.0022.1825.1
XR16 2960 8x2,5 mm ²		4.9	5.0022.2825.1
XR16 4440 8x2,5 mm ²		7.2	5.0022.3825.1

Gear tray

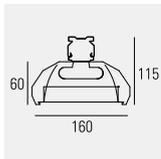


1x35W T16 G5	EB	1.3	5.0003.4135.1
1x49W T16 G5	EB	1.3	5.0003.4149.1
1x80W T16 G5	EB	1.3	5.0003.4180.1
2x35W T16 G5	EB	1.3	5.0003.4235.1
2x35W T16 G5	EB EM 1h	2.6	5.0003.7235.1
2x49W T16 G5	EB	1.3	5.0003.4249.1
2x80W T16 G5	EB	1.3	5.0003.4280.1
2x49W T16 G5	EB EM 1h	2.6	5.0003.7249.1
2x80W T16 G5	EB EM 1h	2.2	5.0003.7280.1

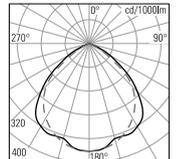


2x35W HIT G12 45°	EB	3.5	5.0094.4235.1
2x70W HIT G12 45°	EB	3.5	5.0094.4270.1
3x35W HIT G12 45°	EB	5	5.0094.4335.1
3x70W HIT G12 45°	EB	5	5.0094.4370.1

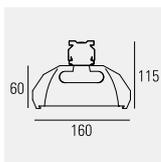
Optics



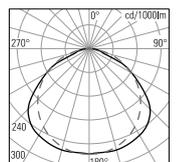
WR.DP Specular louver T16		2.1	5.0005.1200.1
End cap WR.DP/AL		0.1	5.0008.1200.1
Alignment clips WR.DP/AL		<0,1	5.0008.2200.1



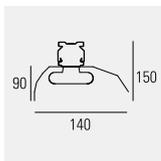
2x49 W
I_{max}: 370 cd/1000lm
UTE: 0,79C
UGR: T17,3, L16,9



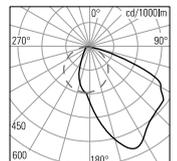
WR.AL Reflector T16		2.2	5.0005.1300.1
End cap WR.DP/AL		0.1	5.0008.1200.1
Alignment clips WR.DP/AL		<0,1	5.0008.2200.1



2x49 W
I_{max}: 264 cd/1000lm
UTE: 0,53D
UGR: T20,3, L22,1



ASR Asymmetrical satin reflector T16		0.5	5.0005.3200.0
--------------------------------------	--	-----	---------------



1x35 W
I_{max}: 523 cd/1000lm
UTE: 0,89G

Accessories

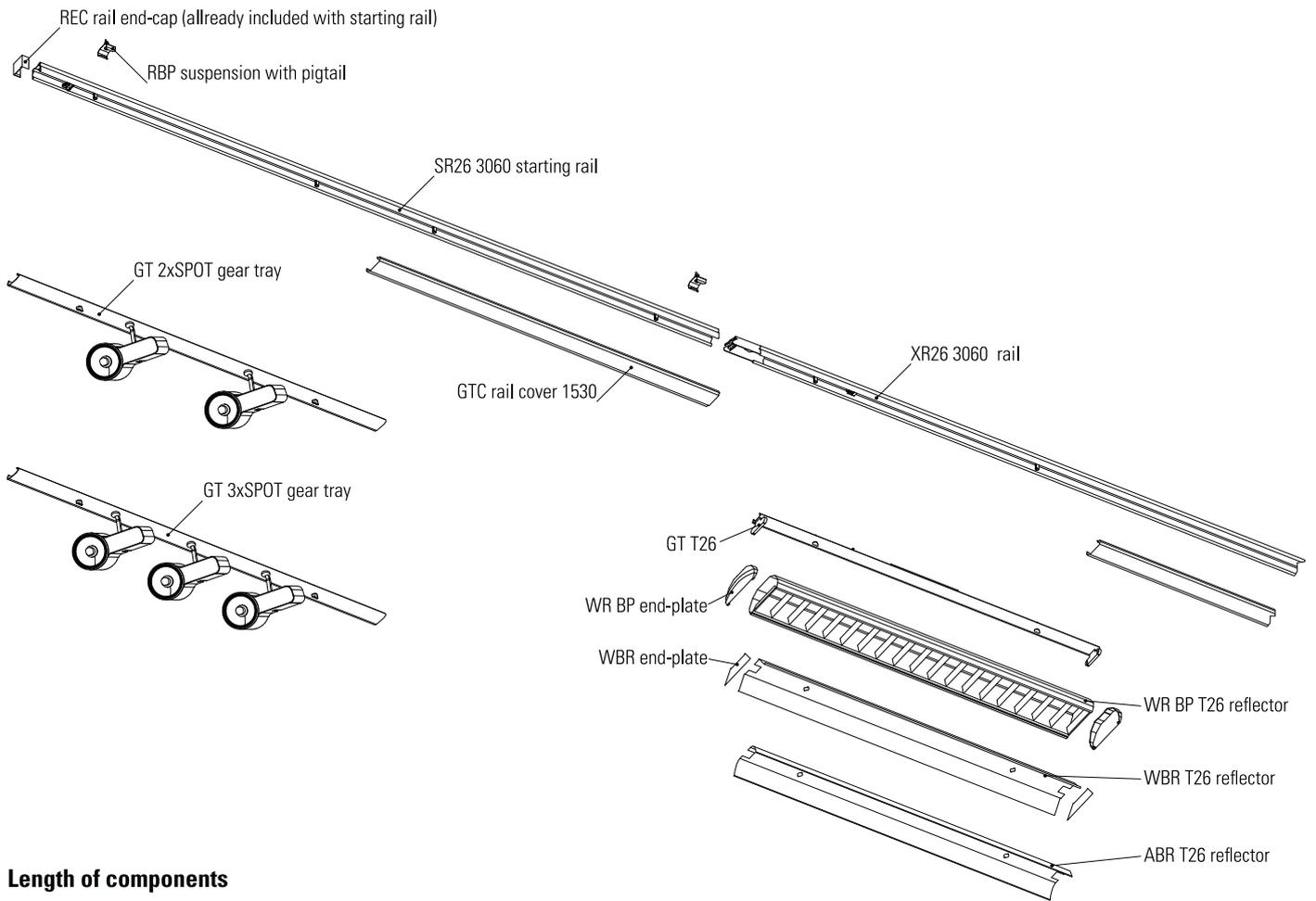


GTC Gear gray cover 1480		0.2	5.0008.1002.1
--------------------------	--	-----	---------------



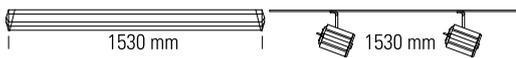
RBS Bracket		<0,1	5.0008.3100.0
RBP Bracket with pigtail		<0,1	5.0008.3200.0

ATRIX T26 - Components configuration



Length of components

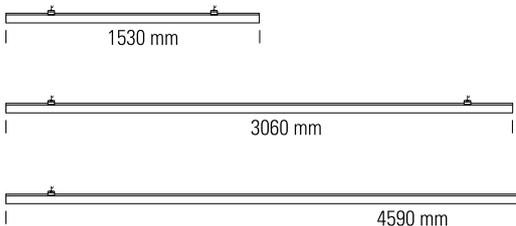
Gear tray T26 / Spot



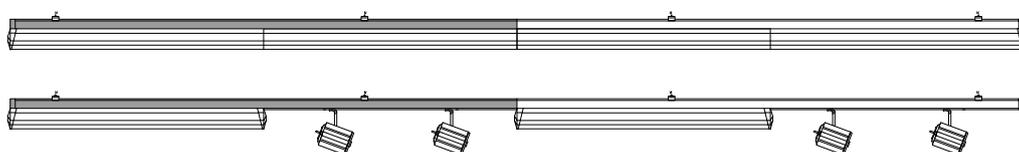
Starting rail



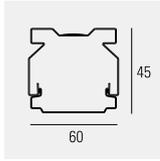
Continuous rail



System example



Rails



Type	Control Gear	Weight (kg)	Code
SR26 3060 5x2,5 mm ²		4.8	5.0011.2525.1
SR26 3060 7x2,5 mm ²		4.8	5.0011.2725.1
SR26 3060 8x2,5 mm ²		5.2	5.0011.2825.1

Note: starting rail includes two rail end cap

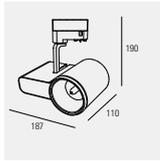


XR26 1530 5x2,5 mm ²		2.4	5.0021.1525.1
XR26 3060 5x2,5 mm ²		4.8	5.0021.2525.1
XR26 4590 5x2,5 mm ²		7.2	5.0021.3525.1
XR26 1530 7x2,5 mm ²		2.4	5.0021.1725.1
XR26 3060 7x2,5 mm ²		4.8	5.0021.2725.1
XR26 4590 7x2,5 mm ²		7.2	5.0021.3725.1
XR26 1530 8x2,5 mm ²		2.6	5.0021.1825.1
XR26 3060 8x2,5 mm ²		5	5.0021.2825.1
XR26 4590 8x2,5 mm ²		7.4	5.0021.3825.1

Gear tray

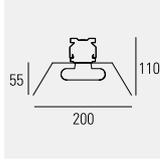


1x58W T26 G13	EB	0.6	5.0003.4158.1
2x58W T26 G13	EB	0.6	5.0003.4258.1
2x58W T26 G13	EB EM 1h	1.8	5.0003.7258.1

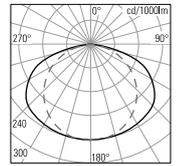


2x35W HIT G12 45°	EB	3.5	5.0094.3235.1
2x70W HIT G12 45°	EB	3.5	5.0094.3270.1
3x35W HIT G12 45°	EB	5	5.0094.3335.1
3x70W HIT G12 45°	EB	5	5.0094.3370.1

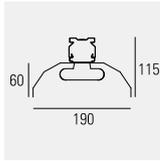
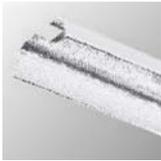
Optics



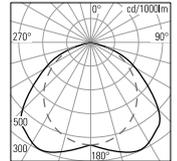
WBR Reflector T26		<0,1	5.0005.1000.1
End cap WBR		<0,1	5.0008.1110.1
Alignment clips WBR		<0,1	5.0008.2210.1



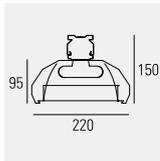
2x58 W
lmax: 241 cd/1000lm
UTE: 0.85G
UGR: T25.8, L23.8



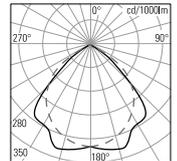
ABR Aluminium reflector T26		0.5	5.0005.2000.0
-----------------------------	--	-----	---------------



2x58 W
lmax: 300 cd/1000lm
UTE: 0.83E
UGR: T22.0, L22.6



WR.BP Specular louver T26		3.2	5.0005.1100.1
End cap WR.BP		<0,1	5.0008.1100.1
Alignment clips WR.BP		<0,1	5.0008.2100.1



2x58 W
lmax: 323 cd/1000lm
UTE: 0.65C
UGR: T16.4, L17.4

Accessories



GTC Gear gray cover 1480		0.2	5.0008.1002.1
--------------------------	--	-----	---------------

REC Rail end cap TR		<0,1	5.0008.1000.1
---------------------	--	------	---------------



RBS Bracket		<0,1	5.0008.3100.0
-------------	--	------	---------------

RBP Bracket with pigtail		<0,1	5.0008.3200.0
--------------------------	--	------	---------------

Rail connection



Atrix lighting system is completely modular system, consisting of supporting rail elements and different luminary inserts. Atrix lighting system is specially developed for high-speed installation without tools. Integrated join-elements enable easy and safe tool-free mechanical and electrical connection with just one move, thanks to handy latch mechanism.

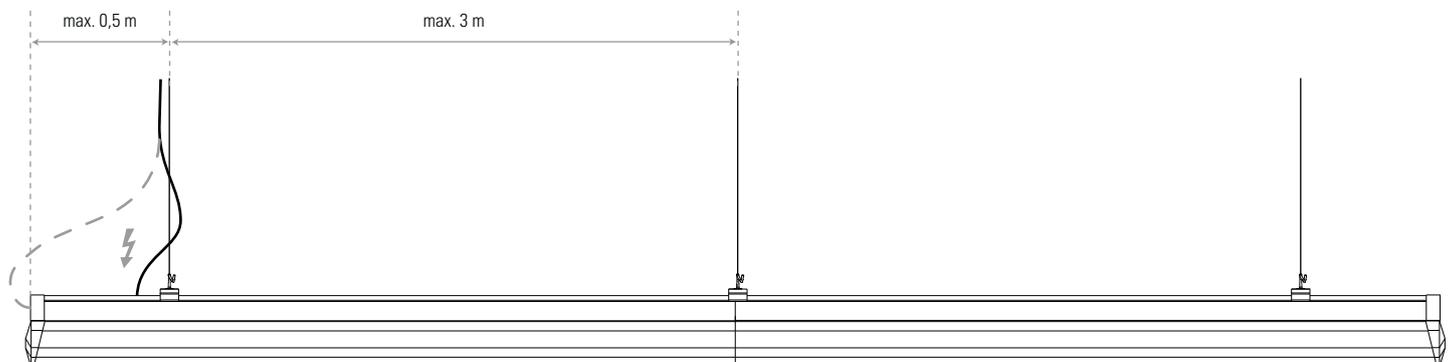
Suspension



Suspension or ceiling bracket can be freely moved all along the rail system.

Maximum distance between two brackets can not exceed 3 m.

First bracket must be mounted maximum 0,5 m from the edge point of the supporting rail.



Power connection



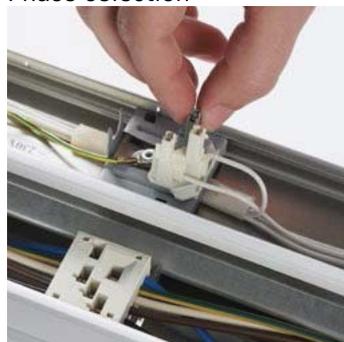
Cable entry into starting rail can be realized from upper side or through the end cap. Enclosed 5-pole quick connector enables fast and easy rail connection

Gear tray fixation



All luminaire inserts modules are easy to install thanks to simple 'twist & lock' operation. Just 90° turn is needed to lock the gear tray to the supporting rail.

Phase selection



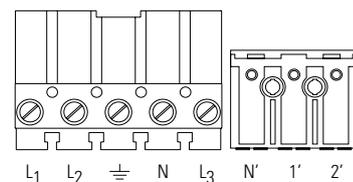
Gear tray is connected on mains supply with phase adjustable connector. Sliding gray connector select desired phase (L1, L2 or L3).

In case of emergency modules or dimmable electronic ballasts, emergency mains or dimming signals are taken from additional connector

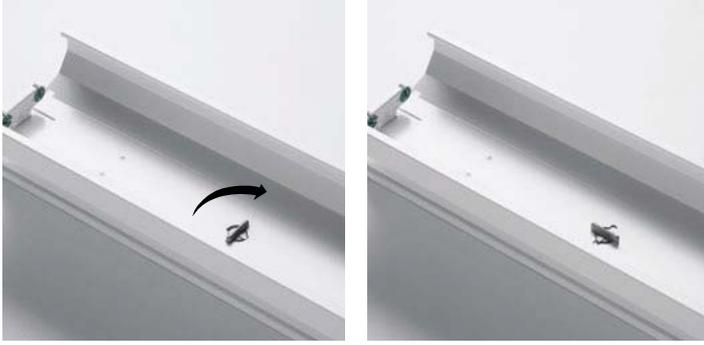
Power connection table

Standard rail through-wiring are 5 x 2,5 mm², 7 x 2,5 mm² or 8 x 2,5 mm². Connection must be realized as shown in following table:

	L ₁	L ₂	⊕	N	L ₃	N'	1'	2'
5 pole wiring								
EB	L ₁	L ₂	⊕	N	L ₃			
EB EM	L ₁	L ₂	⊕	N	L _{EM}			
7 pole wiring (5+2)								
DEB DALI	L ₁	L ₂	⊕	N	L ₃	DA	DA	
DEB DSI	L ₁	L ₂	⊕	N	L ₃	D ₁	D ₂	
DEB 1-10V	L ₁	L ₂	⊕	N	L ₃	-	+	
EB EM	L ₁	L ₂	⊕	N	L ₃	N _{EM}	L _{EM}	
8 pole wiring (5+3)								
EB EM-ag	L ₁	L ₂	⊕	N	L ₃	N _{AG}	L _{AG}	
EB EM-loc+ag	L ₁	L ₂	⊕	N	L ₃	N _{AG}	L _{EM}	L _{AG}
DEB DALI EM	L ₁	L ₂	⊕	N	L ₃	DA	DA	L _{EM}
DEB DSI EM	L ₁	L ₂	⊕	N	L ₃	D ₁	D ₂	L _{AG}
DEB 1-10V EM	L ₁	L ₂	⊕	N	L ₃	-	+	L _{EM}

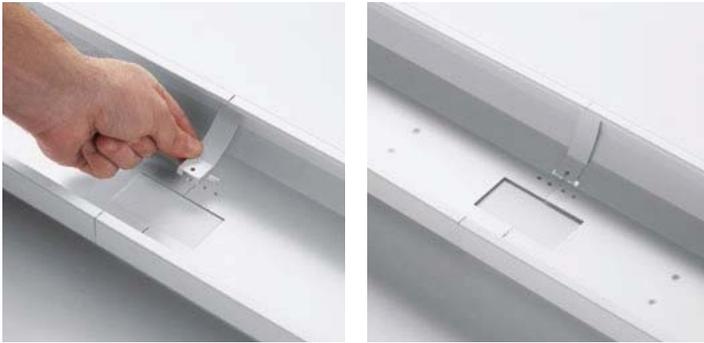


Optical unit fixation



Optics can be fixed with the same supporter as gear tray. Another 90° 'twist & lock' turn fix optics directly on rail. Dismounting demands reverse operation.

Alignment clip



Alignment clips ensures perfect aligning of optical unit reflectors. Clip fixation is simple and tool-free.

Louvre insertion



After external reflector alignment we can insert the parabolic louvre. Louvre mounting demand soft inclination during insertion. Louvre lapel keeps louvre safe in position.

End-cap mounting



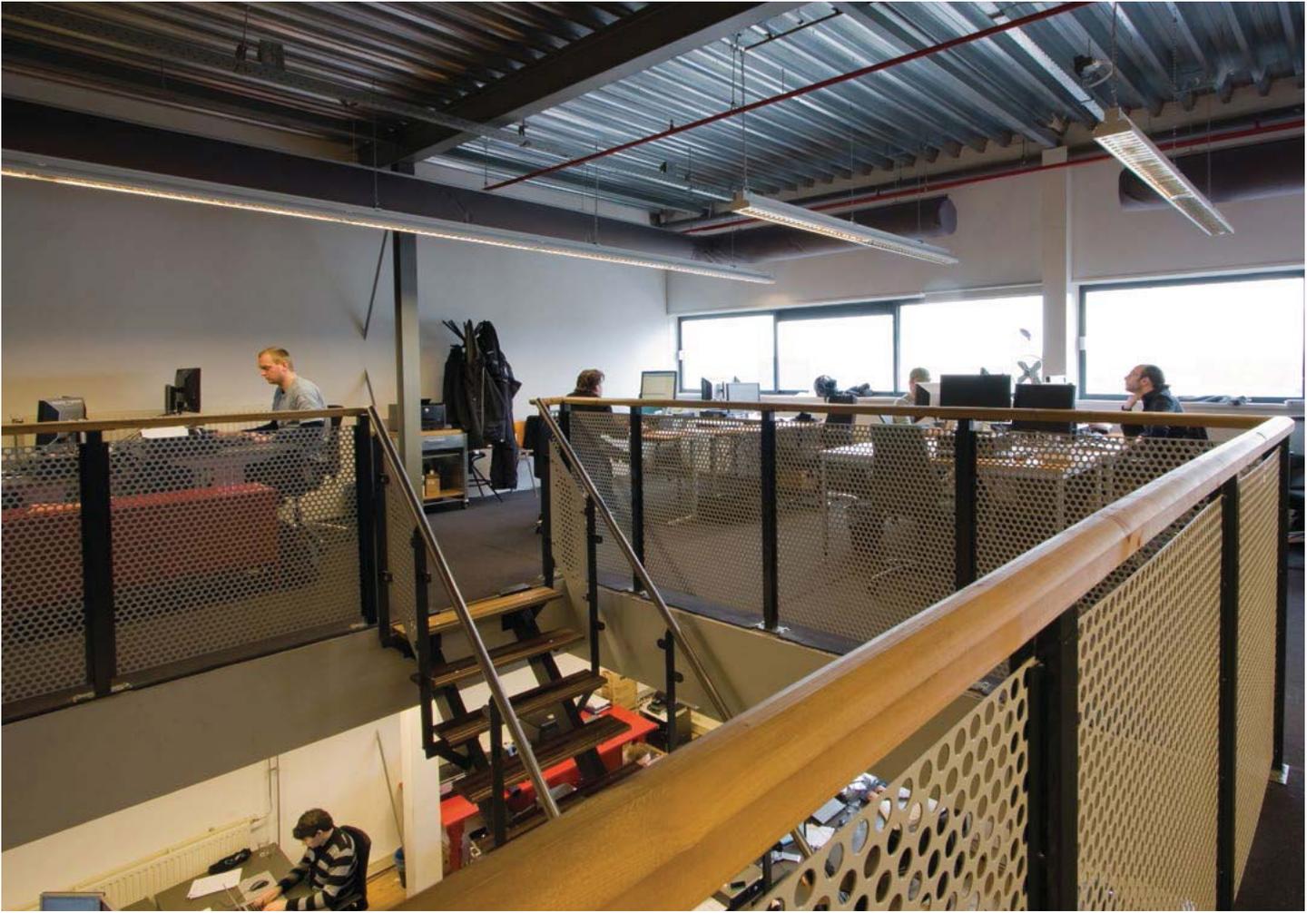
Optical unit end-cap can be mounted on both sides of system.

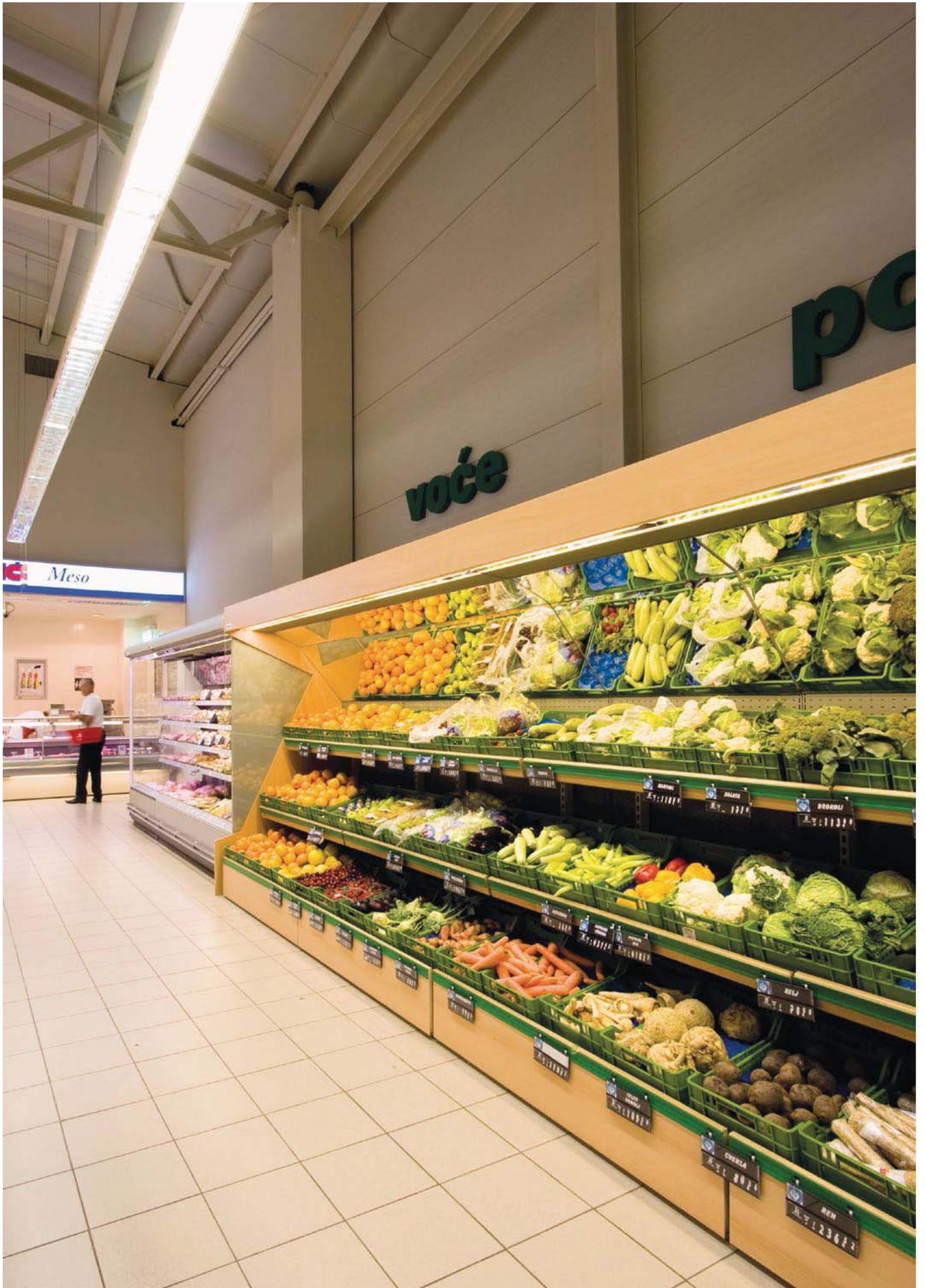


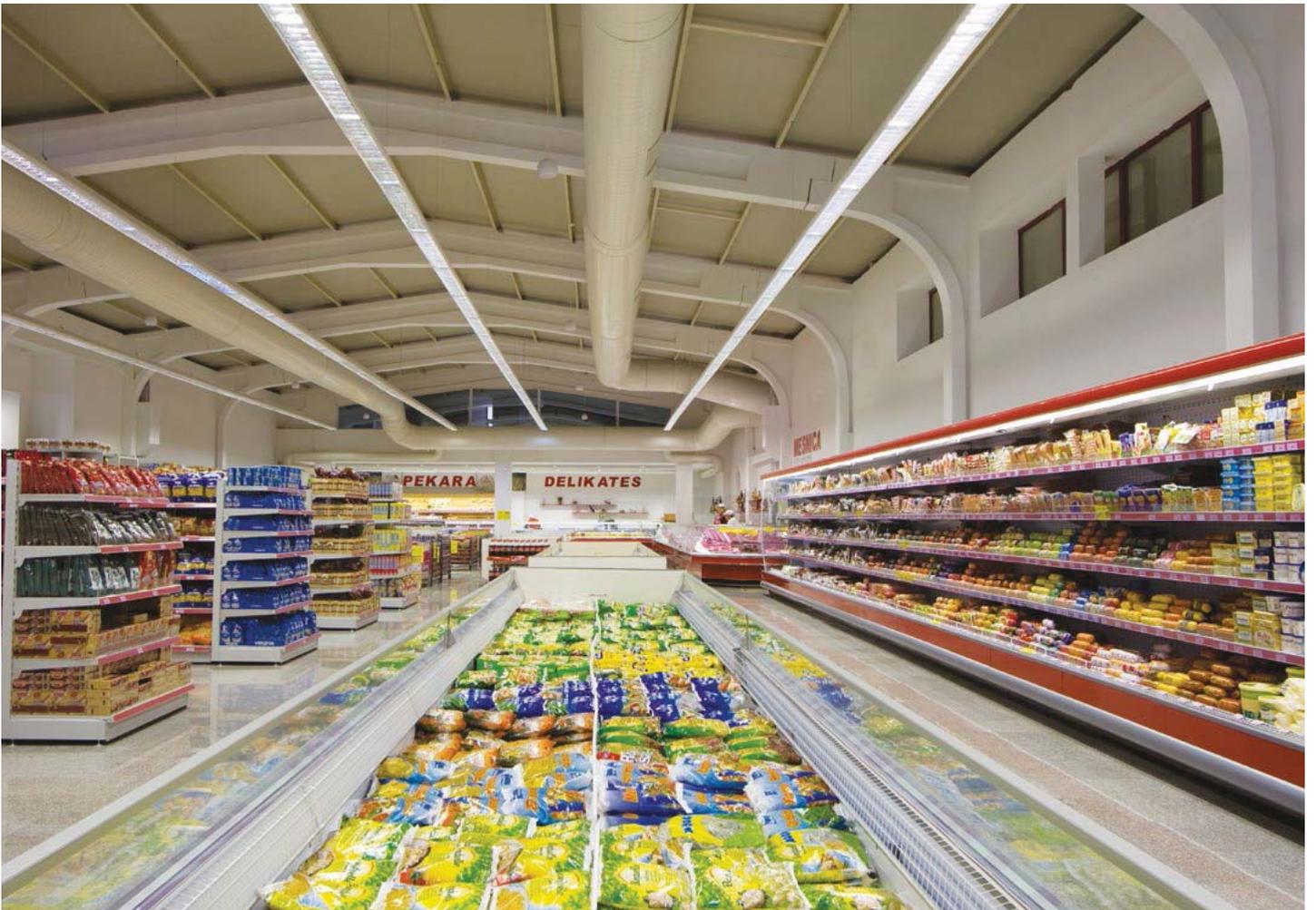
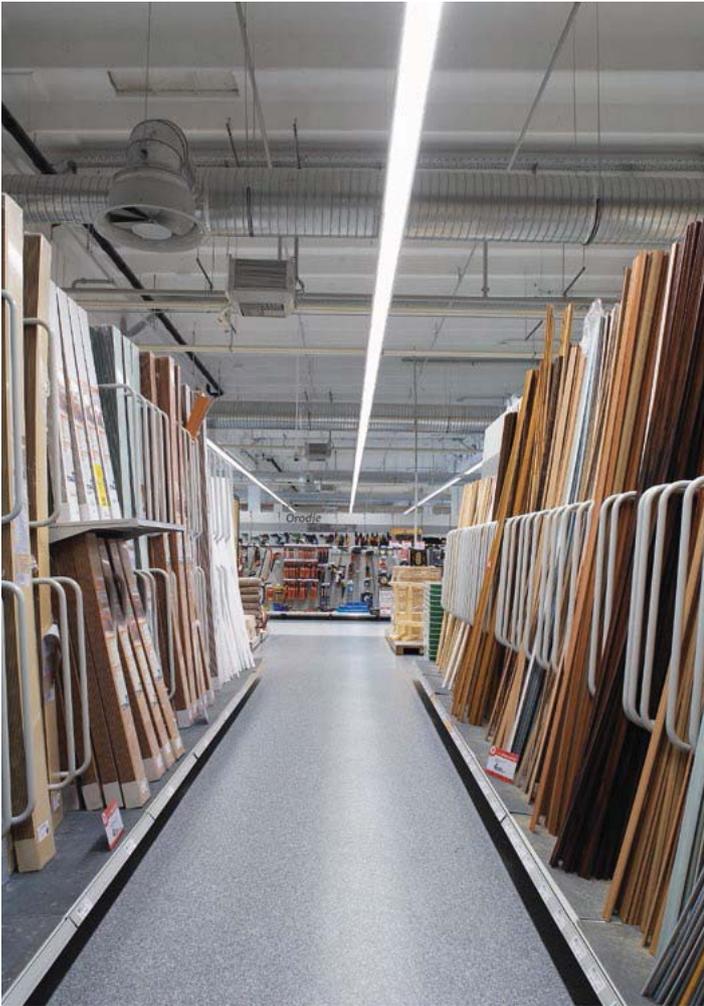
WR-BP end-cap



WR-DP end-cap









ALKON & STRATUS

RECESSED OR CEILING MOUNTED,
PERFORMANCE IN CLEAN-ROOM
DESIGN

ALKON R IP54



p 193



p 194

ALKON R IP65



p 197



p 198



p 199

ALKON C IP65



p 200



p 201



p 202

STRATUS R



p 205



p 205



p 206

STRATUS C



p 206



p 207



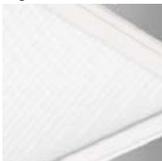
p 207

HEALTH AND CARE



- Professional recessed ceiling luminaire for LED and linear T16 lamps with elevated IP54 protection class from exposed area
- High efficiency and glare control microprismatic PMMA diffuser (UGR<19) or opal PC diffuser
- High efficiency silver-coated specular aluminium parabolic louvre protected with transparent tempered glass
- Integrated electronic or dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V) for T16 versions
- Fitted with externally mounted fixed output (FO) or dimmable (DALI) driver
- Emergency kit version with 1 or 3 hour autonomy
- Protective vent for pressure equilibrium
- Ceiling bracket are integrated into the housing, fixation from the bottom side
- Use vacuum adapter for glass removal
- Emergency kit version with 1 or 3 hour autonomy

Optics



PR diffuser
Microprismatic PMMA diffuser, with IP54 on exposed part



OP diffuser
Opal PC diffuser, with IP54 on exposed part



HDP optic
Highly specular silver-coated aluminium parabolic louvre, high efficiency and anti-iridescence, protected with transparent tempered glass

Range



width 595 mm



width 295 mm

Details



The housing is ready for safe fixing on primary ceilings



Diffuser remains hooked on during maintenance



Highly efficient LED modules ensure high visual comfort



Externally mounted driver in separate housing



All fixtures are fitted with mounting kit for installation into false ceilings

Options



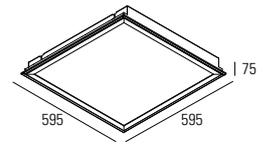
GST quick connector on request for fast installation

ALKON R PR IP54

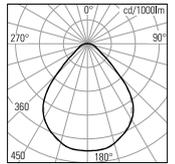


Type	Ballast	Weight (kg)	Code
Versions with T16 fluorescent lamps			
4x14W T16 G5	EB, DEB, EM	5,5	11.295x.4607.1
4x24W T16 G5	EB, DEB, EM	5,5	11.295x.4807.1
LED versions			
LED 4000/830 39W	LED FO	5,5	11.2954.1117.1
LED 4000/840 39W	LED FO	5,5	11.2954.1127.1
LED 5200/830 49W	LED FO, DALI	5,5	11.295x.2117.1
LED 5200/840 49W	LED FO, DALI	5,5	11.295x.2127.1

Fixtures with emergency kit module are 0,5 kg heavier.

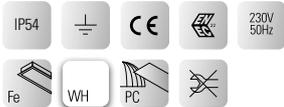


580x580x150



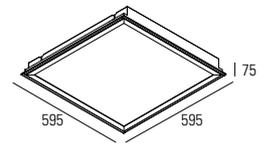
LED 4000/840 39W
 lmax: 426,19 cd/1000lm
 UTE: 0,78 C
 UGR: T16,9, L16,8

ALKON R OP IP54

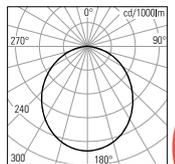


Type	Ballast	Weight (kg)	Code
Versions with T16 fluorescent lamps			
4x14W T16 G5	EB, DEB, EM	5,5	11.296x.4607.1
4x24W T16 G5	EB, DEB, EM	5,5	11.296x.4807.1
LED versions			
LED 4000/830 39W	LED FO	5,5	11.2964.1117.1
LED 4000/840 39W	LED FO	5,5	11.2964.1127.1
LED 5200/830 49W	LED FO, DALI	5,5	11.296x.2117.1
LED 5200/840 49W	LED FO, DALI	5,5	11.296x.2127.1

Fixtures with emergency kit module are 0,5 kg heavier.

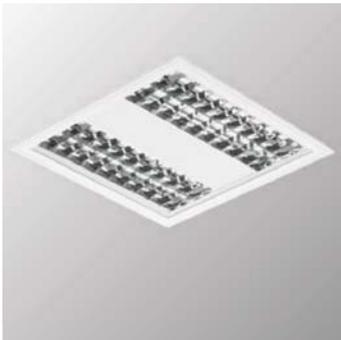


580x580x150



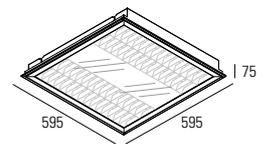
LED 4000/840 39W
 lmax: 267,46 cd/1000lm
 UTE: 0,70 E
 UGR: T20,8, L20,9

ALKON R HDP IP54

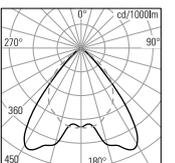


Type	Ballast	Weight (kg)	Code
4x14W T16 G5	EB, DEB, EM	7,0	11.291x.4607.1
4x24W T16 G5	EB, DEB, EM	7,0	11.291x.4807.1

Fixtures with emergency kit module are 0,5 kg heavier.



580x580x150



4x14 W
 lmax: 464,42 cd/1000lm
 UTE: 0,72 B
 UGR: T14,2, L15,1
 CIBSE: <2000 cd/m² AT 65°

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB/FO	4	EB/FO EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

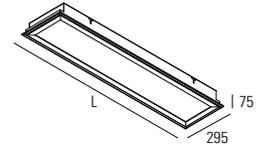
HEALTH AND CARE ALKON R IP54

ALKON R PR IP54

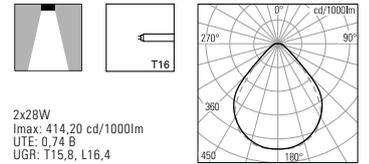


Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	6,0	11.295x.2107.1
2x54W T16 G5	EB, DEB, EM	6,0	11.295x.2407.1
2x35W T16 G5	EB, DEB, EM	7,3	11.295x.2207.1
2x49W T16 G5	EB, DEB, EM	7,3	11.295x.2307.1

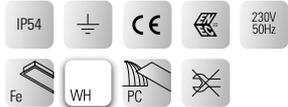
Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L	Lco
2x28/54	1195	1180
2x35/49	1495	1480

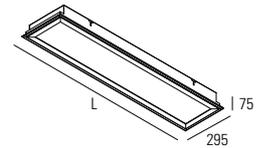


ALKON R OP IP54

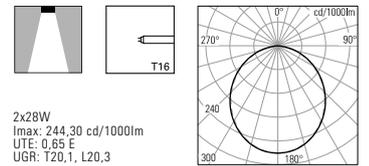


Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	6,0	11.296x.2107.1
2x54W T16 G5	EB, DEB, EM	6,0	11.296x.2407.1
2x35W T16 G5	EB, DEB, EM	7,3	11.296x.2207.1
2x49W T16 G5	EB, DEB, EM	7,3	11.296x.2307.1

Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L	Lco
2x28/54	1195	1180
2x35/49	1495	1480



Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9





- Professional recessed and surface clean-room luminaire for LED and linear T16 lamps
- IP65 protection class
- High efficiency silver-coated specular aluminium parabolic louvre or prismatic glass diffuser in aluminium frame
- Integrated electronic or dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V) for T16 versions
- Integrated fixed output (FO) or dimmable (DALI) driver
- Emergency kit version with 1 or 3 hour autonomy for T16 lamps
- Protective vent for pressure equilibrium
- Ceiling brackets are integrated into the housing, fixation from the bottom side
- Use vacuum adapter for glass removal

Optics



HDP optic
Highly specular silver-coated aluminium parabolic louvre, high efficiency and anti-iridescence

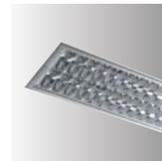


PR glass diffuser
Prismatic glass diffuser
Prismatic glass diffuser for wide light distribution

Range



600x600 mm



600x1200 mm



300x1200/1500 mm

Details



The housing is ready for safe fixing on primary ceilings



Ceiling brackets can be fixed from bottom side



Fixture is complete with ceiling brackets



Innovative diffuser fixing execution with magnets



Protective vent for pressure equilibration



Drowned cable entry for easier fixture installation

Options



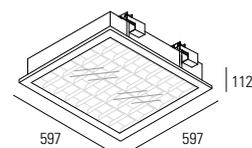
Vacuum adapter available for easy glass removal

ALKON R IP65 HDP

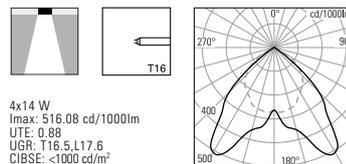


Type	Ballast	Weight (kg)	Code
4x14W T16 G5	EB, DEB, EM	10,4	11.291x.4601.1
4x24W T16 G5	EB, DEB, EM	10,4	11.291x.4801.1

Fixtures with emergency kit module are 0,5 kg heavier.



585 x 585 x 120



ALKON R IP65 PR

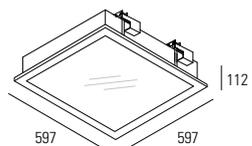


Type	Ballast	Weight (kg)	Code
Versions with T16 fluorescent lamps			
4x14W T16 G5	EB, DEB, EM	5,5	11.293x.4601.y
4x24W T16 G5	EB, DEB, EM	5,5	11.293x.4801.y

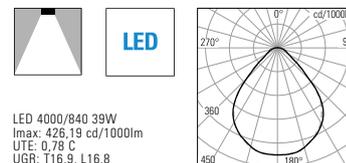
LED versions

LED 4000/830 39W	LED FO	5,5	11.2934.1111.1
LED 4000/840 39W	LED FO	5,5	11.2934.1121.1
LED 5200/830 49W	LED FO, DALI	5,5	11.293x.2111.1
LED 5200/840 49W	LED FO, DALI	5,5	11.293x.2121.1

Fixtures with emergency kit module are 0,5 kg heavier.



585 x 585 x 120



Accessories

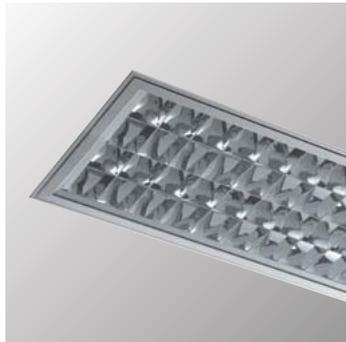


Type	Weight (kg)	Code
Glass removal vacuum adapter	<0,1	9323

Code definition for ballast and emergency kit

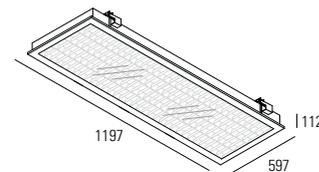
Ballast options	Code (x)	Emergency kit options	Code (x)
EB/FO	4	EB/FO EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

ALKON R IP65 HDP

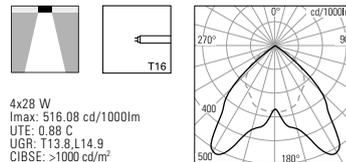


Type	Ballast	Weight (kg)	Code
4x28W T16 G5	EB, DEB, EM	21,4	11.291x.4101.1
4x54W T16 G5	EB, DEB, EM	21,4	11.291x.4401.1

Fixtures with emergency kit module are 0,5 kg heavier.



1185 x 585 x 120

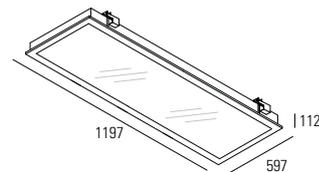


ALKON R IP65 PR

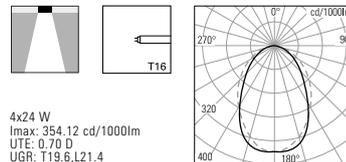


Type	Ballast	Weight (kg)	Code
4x28W T16 G5	EB, DEB, EM	21,1	11.293x.4101.1
4x54W T16 G5	EB, DEB, EM	21,1	11.293x.4401.1

Fixtures with emergency kit module are 0,5 kg heavier.



1185 x 585 x 120



Accessories



Type	Weight (kg)	Code
Glass removal vacuum adapter	<0,1	9323

Code definition for ballast and emergency kit

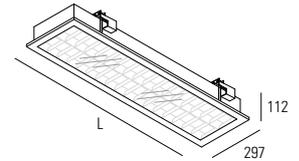
Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

ALKON R IP65 HDP

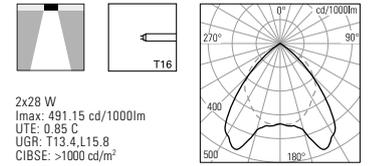


Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	10,2	11.291x.2101.1
2x54W T16 G5	EB, DEB, EM	10,2	11.291x.2401.1
2x35W T16 G5	EB, DEB, EM	11,3	11.291x.2201.1
2x49W T16 G5	EB, DEB, EM	11,3	11.291x.2301.1
2x80W T16 G5	EB, DEB, EM	11,3	11.291x.2501.1

Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L	Lco
2X28/54	1197	1185
2X35/49/80	1497	1485

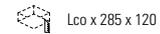
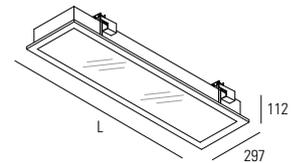


ALKON R IP65 PR

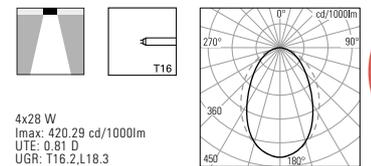


Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	10,1	11.293x.2101.1
2x54W T16 G5	EB, DEB, EM	10,1	11.293x.2401.1
2x35W T16 G5	EB, DEB, EM	11,2	11.293x.2201.1
2x49W T16 G5	EB, DEB, EM	11,2	11.293x.2301.1
2x80W T16 G5	EB, DEB, EM	11,2	11.293x.2501.1

Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L	Lco
2X28/54	1197	1185
2X35/49/80	1497	1485



Accessories



Type	Weight (kg)	Code
Glass removal vacuum adapter	<0,1	9323

Code definition for ballast and emergency kit

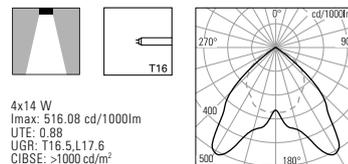
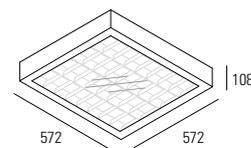
Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

ALKON C IP65 HDP



Type	Ballast	Weight (kg)	Code
4x14W T16 G5	EB, DEB, EM	10,2	11.291x.4604.1
4x24W T16 G5	EB, DEB, EM	10,2	11.291x.4804.1

Fixtures with emergency kit module are 0,5 kg heavier.

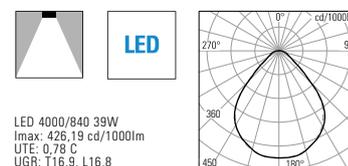
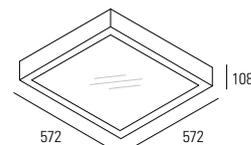


ALKON C IP65 PR



Type	Ballast	Weight (kg)	Code
Versions with T16 fluorescent lamps			
4x14W T16 G5	EB, DEB, EM	5,5	11.293x.4604.y
4x24W T16 G5	EB, DEB, EM	5,5	11.293x.4804.y
LED versions			
LED 4000/830 39W	LED FO	5,5	11.2934.1114.1
LED 4000/840 39W	LED FO	5,5	11.2934.1124.1
LED 5200/830 49W	LED FO, DALI	5,5	11.293x.2114.1
LED 5200/840 49W	LED FO, DALI	5,5	11.293x.2124.1

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories

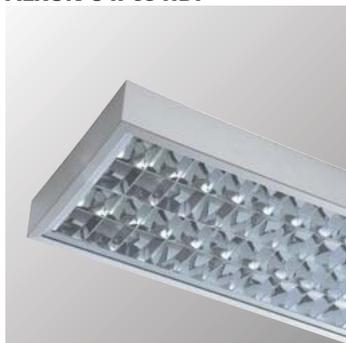


Type	Weight (kg)	Code
Glass removal vacuum adapter	<0,1	9323

Code definition for ballast and emergency kit

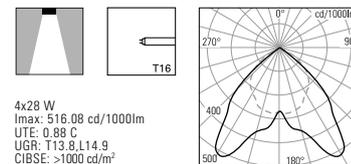
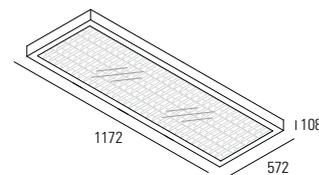
Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

ALKON C IP65 HDP



Type	Ballast	Weight (kg)	Code
4x28W T16 G5	EB, DEB, EM	21,0	11.291x.4104.1
4x54W T16 G5	EB, DEB, EM	21,0	11.291x.4404.1

Fixtures with emergency kit module are 0,5 kg heavier.

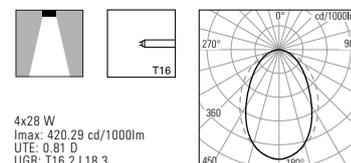
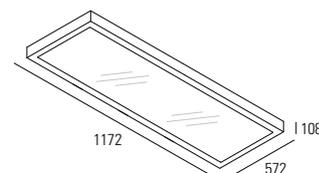


ALKON C IP65 PR



Type	Ballast	Weight (kg)	Code
4x28W T16 G5	EB, DEB, EM	20,7	11.293x.4104.1
4x54W T16 G5	EB, DEB, EM	20,7	11.293x.4404.1

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
Glass removal vacuum adapter	<0,1	9323

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

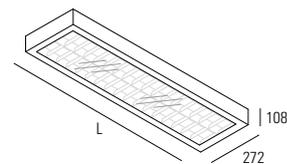
HEALTH AND CARE ALKON R IP65

ALKON C IP65 HDP

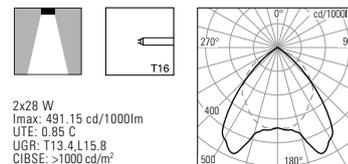


Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	10,1	11.291x.2104.1
2x54W T16 G5	EB, DEB, EM	10,1	11.291x.2404.1
2x35W T16 G5	EB, DEB, EM	11,2	11.291x.2204.1
2x49W T16 G5	EB, DEB, EM	11,2	11.291x.2304.1
2x80W T16 G5	EB, DEB, EM	11,2	11.291x.2504.1

Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L
2X28/54	1172
2X35/49/80	1472

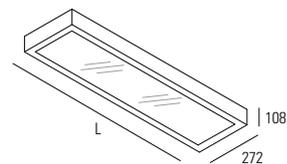


ALKON C IP65 PR

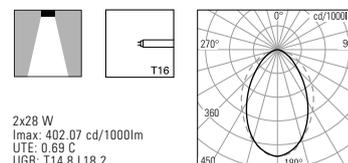


Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	10,0	11.293x.2104.1
2x54W T16 G5	EB, DEB, EM	10,0	11.293x.2404.1
2x35W T16 G5	EB, DEB, EM	11,1	11.293x.2204.1
2x49W T16 G5	EB, DEB, EM	11,1	11.293x.2304.1
2x80W T16 G5	EB, DEB, EM	11,1	11.293x.2504.1

Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L
2X28/54	1172
2X35/49/80	1472



Accessories



Type	Weight (kg)	Code
Glass removal vacuum adapter	<0,1	9323

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9





- Professional recessed and surface clean-room luminaire for linear T16 lamps
- IP65 protection class
- High efficiency silver-coated specular aluminium parabolic louvre on frameless glass diffuser
- Integrated electronic or dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 or 3 hour autonomy
- Protective vent for pressure equilibrium
- Ceiling bracket are integrated into the housing, fixation from the bottom side
- Use vacuum adapter for glass removal

Optics



HDP optic
Highly specular silver-coated aluminium parabolic louvre, high efficiency and anti-iridescence, glare reduction in accordance with EN 12464

Range



600x600 mm



600x1200 mm



300x1200/1500 mm

Details



The housing is ready for safe fixing on primary ceilings



Ceiling brackets can be fixed from bottom side



Fixture is complete with ceiling brackets



Innovative diffuser fixing execution with magnets



Protective vent for pressure equilibration



Drowned cable entry for easier fixture installation

Options



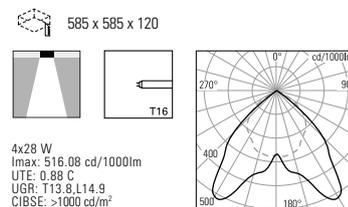
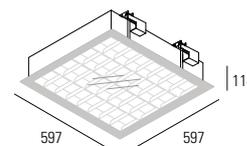
Vacuum adapter available for easy glass removal

STRATUS R HDP



Type	Ballast	Weight (kg)	Code
4x14W T16 G5	EB, DEB, EM	10,6	11.291x.4603.1
4x24W T16 G5	EB, DEB, EM	10,6	11.291x.4803.1

Fixtures with emergency kit module are 0,5 kg heavier.

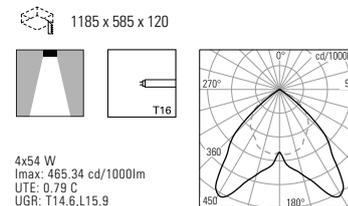
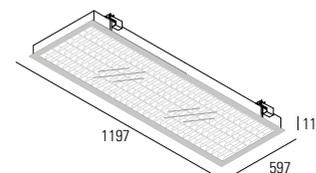


STRATUS R HDP



Type	Ballast	Weight (kg)	Code
4x28W T16 G5	EB, DEB, EM	21,7	11.291x.4103.1
4x54W T16 G5	EB, DEB, EM	21,7	11.291x.4403.1

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
Glass removal vacuum adapter	<0,1	9323

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

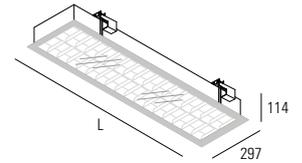
HEALTH AND CARE STRATUS

STRATUS R HDP

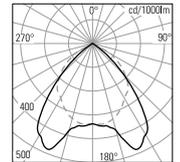


Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	10,5	11.291x.2103.1
2x54W T16 G5	EB, DEB, EM	10,5	11.291x.2403.1
2x35W T16 G5	EB, DEB, EM	11,6	11.291x.2203.1
2x49W T16 G5	EB, DEB, EM	11,6	11.291x.2303.1
2x80W T16 G5	EB, DEB, EM	11,6	11.291x.2503.1

Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L	Lco
2X28/54	1197	1185
2X35/49/80	1497	1485



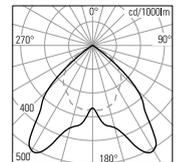
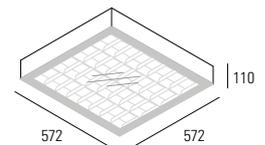
2x28 W
Imax: 491.15 cd/1000lm
UTE: 0.95 C
UGR: T13.4, L15.8
CIBSE: >1000 cd/m²

STRATUS C HDP



Type	Ballast	Weight (kg)	Code
4x14W T16 G5	EB, DEB, EM	10,5	11.291x.4605.1
4x24W T16 G5	EB, DEB, EM	10,5	11.291x.4805.1

Fixtures with emergency kit module are 0,5 kg heavier.



4x14 W
Imax: 516.08 cd/1000lm
UTE: 0.88
UGR: T16.5, L17.6
CIBSE: >1000 cd/m²

Accessories



Type	Weight (kg)	Code
Glass removal vacuum adapter	<0,1	9323

Code definition for ballast and emergency kit

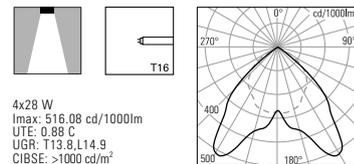
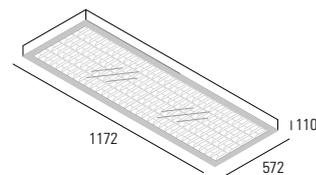
Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

STRATUS C HDP



Type	Ballast	Weight (kg)	Code
4x28W T16 G5	EB, DEB, EM	21,3	11.291x.4105.1
4x54W T16 G5	EB, DEB, EM	21,3	11.291x.4405.1

Fixtures with emergency kit module are 0,5 kg heavier.

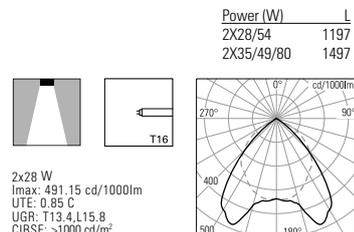
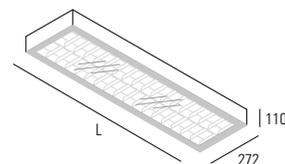


STRATUS C HDP



Type	Ballast	Weight (kg)	Code
2x28W T16 G5	EB, DEB, EM	10,4	11.291x.2105.1
2x54W T16 G5	EB, DEB, EM	10,4	11.291x.2405.1
2x35W T16 G5	EB, DEB, EM	11,5	11.291x.2205.1
2x49W T16 G5	EB, DEB, EM	11,5	11.291x.2305.1
2x80W T16 G5	EB, DEB, EM	11,5	11.291x.2505.1

Fixtures with emergency kit module are 0,5 kg heavier.



Accessories



Type	Weight (kg)	Code
Glass removal vacuum adapter	<0,1	9323

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9





ARAGO

EXTREME EFFICIENCY
EXCELLENT LIGHT QUALITY
RAPID INSTALLATION AND
MAINTENANCE

up to **97%**
high light
output



ARAGO



p 213



p 213



p 214



p 214



p 215

5700



p 223



p 223



p 224



p 224

ASTOR



p 229

5300



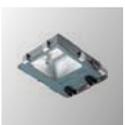
p 231

NIOBA



p 232

7200

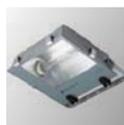


p 237

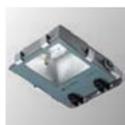


p 237

7400



p 238



p 238

INDUSTRIAL AND FLOODLIGHTS



- Professional surface/pendant industrial luminaire for linear T16 lamps
- Steel sheet housing, powder coating, silver grey or white colour
- Stainless steel (AISI 316L) housing version only with protection IP65
- Available in IP20 and IP65 protection class
- IP65 version is available with tempered glass or PMMA diffuser
- P versions are equipped with protection grid
- Highly specular aluminium reflector; narrow or wide optic
- Integrated electronic or dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 hour autonomy
- Energy saving presence sensor available on request
- Integrated IP67 quick connector enable fast and easy installation without opening the fixture; all fixtures are equipped with lamps
- Tool free easy maintenance
- Ceiling installation kit and suspension kit must be ordered separately
- Female connector with cable is available for pre-installation

Optics



Narrow beam optics
Narrow beam optics for warehouses with high shelving bays



Wide beam optics
Wide beam optic for general illumination of large areas

Range



IP 65



IP 65 with protection grill



IP 20



IP 20 with protection grill

Details



Quick connector enables fast and easy installation without opening the fixture



Protective vent for pressure equilibration due to high temperatures inside the fitting



Protection grid version (P) for enhanced protection for sport or other public area

Options



Presence detection sensor available on request for energy saving solutions



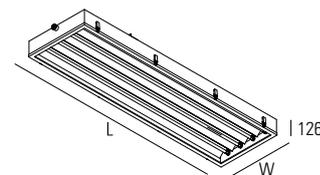
Fixing kit for ceiling or suspended installation – order separately

ARAGO IP65 glass

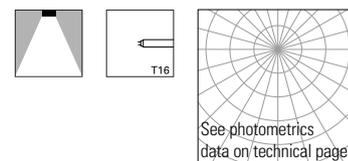


Type	Ballast	Weight (kg)	Code
Versions with narrow beam reflector			
2x54W T16 G5	EB, DEB, EM	9,0	15.813x.241z.y
2x49W T16 G5	EB, DEB, EM	11,0	15.813x.231z.y
2x80W T16 G5	EB, DEB, EM	11,0	15.813x.251z.y
4x54W T16 G5	EB, DEB, EM	16,0	15.813x.441z.y
4x49W T16 G5	EB, DEB, EM	19,0	15.813x.431z.y
4x80W T16 G5	EB, DEB, EM	19,0	15.813x.451z.y
Versions with wide beam reflector			
2x54W T16 G5	EB, DEB, EM	9,0	15.813x.242z.y
2x49W T16 G5	EB, DEB, EM	11,0	15.813x.232z.y
2x80W T16 G5	EB, DEB, EM	11,0	15.813x.252z.y
4x54W T16 G5	EB, DEB, EM	16,0	15.813x.442z.y
4x49W T16 G5	EB, DEB, EM	19,0	15.813x.432z.y
4x80W T16 G5	EB, DEB, EM	19,0	15.813x.452z.y

All fixtures are fitted with Osram Constant lamps.
Ceiling mounting plate and suspension set must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L	W
2x54	1195	258
2x49/80	1495	258
4x54	1195	452
4x49/80	1495	452

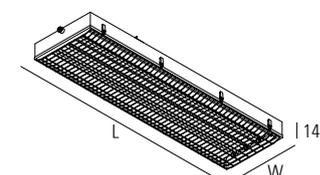


ARAGO P IP65 glass

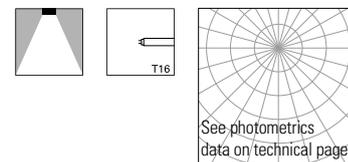


Type	Ballast	Weight (kg)	Code
Versions with narrow beam reflector			
2x54W T16 G5	EB, DEB, EM	9,5	15.814x.241z.y
2x49W T16 G5	EB, DEB, EM	11,7	15.814x.231z.y
2x80W T16 G5	EB, DEB, EM	11,7	15.814x.251z.y
4x54W T16 G5	EB, DEB, EM	17,6	15.814x.441z.y
4x49W T16 G5	EB, DEB, EM	21,2	15.814x.431z.y
4x80W T16 G5	EB, DEB, EM	21,2	15.814x.451z.y
Versions with wide beam reflector			
2x54W T16 G5	EB, DEB, EM	9,5	15.814x.242z.y
2x49W T16 G5	EB, DEB, EM	11,7	15.814x.232z.y
2x80W T16 G5	EB, DEB, EM	11,7	15.814x.252z.y
4x54W T16 G5	EB, DEB, EM	17,6	15.814x.442z.y
4x49W T16 G5	EB, DEB, EM	21,2	15.814x.432z.y
4x80W T16 G5	EB, DEB, EM	21,2	15.814x.452z.y

All fixtures are fitted with Osram Constant lamps.
Ceiling mounting plate and suspension set must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L	W
2x54	1195	258
2x49/80	1495	258
4x54	1195	452
4x49/80	1495	452

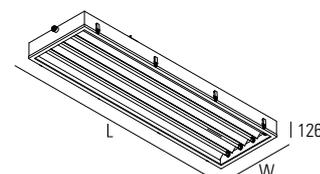


ARAGO AISI 316L IP65 glass

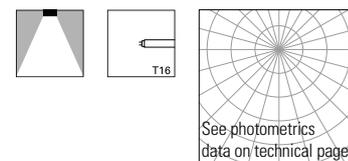


Type	Ballast	Weight (kg)	Code
Versions with narrow beam reflector			
2x54W T16 G5	EB, DEB, EM	9,4	15.813x.241z.6
2x49W T16 G5	EB, DEB, EM	11,5	15.813x.231z.6
2x80W T16 G5	EB, DEB, EM	11,5	15.813x.251z.6
4x54W T16 G5	EB, DEB, EM	16,6	15.813x.441z.6
4x49W T16 G5	EB, DEB, EM	19,7	15.813x.431z.6
4x80W T16 G5	EB, DEB, EM	19,7	15.813x.451z.6
Versions with wide beam reflector			
2x54W T16 G5	EB, DEB, EM	9,4	15.813x.242z.6
2x49W T16 G5	EB, DEB, EM	11,5	15.813x.232z.6
2x80W T16 G5	EB, DEB, EM	11,5	15.813x.252z.6
4x54W T16 G5	EB, DEB, EM	16,6	15.813x.442z.6
4x49W T16 G5	EB, DEB, EM	19,7	15.813x.432z.6
4x80W T16 G5	EB, DEB, EM	19,7	15.813x.452z.6

All fixtures are fitted with Osram Constant lamps.
Ceiling mounting plate and suspension set must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L	W
2x54	1195	258
2x49/80	1495	258
4x54	1195	452
4x49/80	1495	452



Code definition for ballast, emergency kit and colour options

Ballast options	Code (x)	Emergency kit options	Code (x)	Wiring	Code (z)	Colour	Code (y)
EB	4	EB EM 1h	7	Standard	0	White	1
DEB - DALI	1	DEB - DALI EM 1h	2	Dual switch	1	Silver grey	5
DEB - DSI	5	DEB - DSI EM 1h	8	Through-wiring	2		
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9	PIR Sensor	4		

ARAGO IP65 PMMA



Type	Ballast	Weight (kg)	Code
------	---------	-------------	------

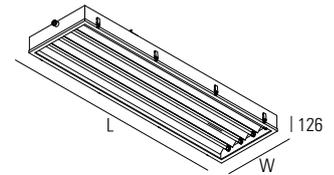
Versions with narrow beam reflector

2x54W T16 G5	EB, DEB, EM	7,7	15.815x.241z.y
2x49W T16 G5	EB, DEB, EM	9,4	15.815x.231z.y
2x80W T16 G5	EB, DEB, EM	9,4	15.815x.251z.y
4x54W T16 G5	EB, DEB, EM	13,6	15.815x.441z.y
4x49W T16 G5	EB, DEB, EM	16,2	15.815x.431z.y
4x80W T16 G5	EB, DEB, EM	16,2	15.815x.451z.y

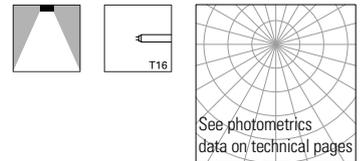
Versions with wide beam reflector

2x54W T16 G5	EB, DEB, EM	7,7	15.815x.242z.y
2x49W T16 G5	EB, DEB, EM	9,4	15.815x.232z.y
2x80W T16 G5	EB, DEB, EM	9,4	15.815x.252z.y
4x54W T16 G5	EB, DEB, EM	13,6	15.815x.442z.y
4x49W T16 G5	EB, DEB, EM	16,2	15.815x.432z.y
4x80W T16 G5	EB, DEB, EM	16,2	15.815x.452z.y

All fixtures are fitted with Osram Constant lamps.
Ceiling mounting plate and suspension set must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L	W
2x54	1195	258
2x49/80	1495	258
4x54	1195	452
4x49/80	1495	452



ARAGO P IP65 PMMA



Type	Ballast	Weight (kg)	Code
------	---------	-------------	------

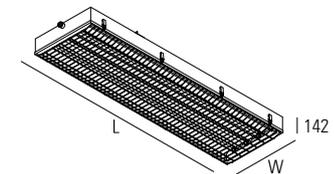
Versions with narrow beam reflector

2x54W T16 G5	EB, DEB, EM	8,2	15.816x.241z.y
2x49W T16 G5	EB, DEB, EM	10,1	15.816x.231z.y
2x80W T16 G5	EB, DEB, EM	10,1	15.816x.251z.y
4x54W T16 G5	EB, DEB, EM	15,2	15.816x.441z.y
4x49W T16 G5	EB, DEB, EM	18,4	15.816x.431z.y
4x80W T16 G5	EB, DEB, EM	18,4	15.816x.451z.y

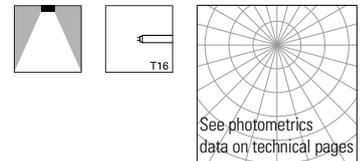
Versions with wide beam reflector

2x54W T16 G5	EB, DEB, EM	8,2	15.816x.242z.y
2x49W T16 G5	EB, DEB, EM	10,1	15.816x.232z.y
2x80W T16 G5	EB, DEB, EM	10,1	15.816x.252z.y
4x54W T16 G5	EB, DEB, EM	15,2	15.816x.442z.y
4x49W T16 G5	EB, DEB, EM	18,4	15.816x.432z.y
4x80W T16 G5	EB, DEB, EM	18,4	15.816x.452z.y

All fixtures are fitted with Osram Constant lamps.
Ceiling mounting plate and suspension set must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L	W
2x54	1195	258
2x49/80	1495	258
4x54	1195	452
4x49/80	1495	452



ARAGO AISI 316L IP65 PMMA



Type	Ballast	Weight (kg)	Code
------	---------	-------------	------

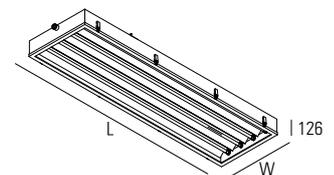
Versions with narrow beam reflector

2x54W T16 G5	EB, DEB, EM	8,0	15.815x.241z.6
2x49W T16 G5	EB, DEB, EM	9,7	15.815x.231z.6
2x80W T16 G5	EB, DEB, EM	9,7	15.815x.251z.6
4x54W T16 G5	EB, DEB, EM	14,2	15.815x.441z.6
4x49W T16 G5	EB, DEB, EM	16,8	15.815x.431z.6
4x80W T16 G5	EB, DEB, EM	16,8	15.815x.451z.6

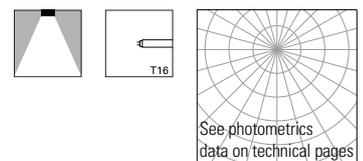
Versions with wide beam reflector

2x54W T16 G5	EB, DEB, EM	8,0	15.815x.242z.6
2x49W T16 G5	EB, DEB, EM	9,7	15.815x.232z.6
2x80W T16 G5	EB, DEB, EM	9,7	15.815x.252z.6
4x54W T16 G5	EB, DEB, EM	14,2	15.815x.442z.6
4x49W T16 G5	EB, DEB, EM	16,8	15.815x.432z.6
4x80W T16 G5	EB, DEB, EM	16,8	15.815x.452z.6

All fixtures are fitted with Osram Constant lamps.
Ceiling mounting plate and suspension set must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.



Power (W)	L	W
2x54	1195	258
2x49/80	1495	258
4x54	1195	452
4x49/80	1495	452



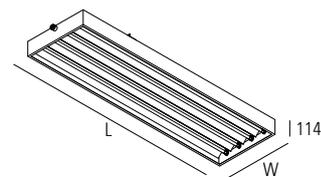
Code definition for ballast, emergency kit and colour options

Ballast options	Code (x)	Emergency kit options	Code (x)	Wiring	Code (z)	Colour	Code (y)
EB	4	EB EM 1h	7	Standard	0	White	1
DEB - DALI	1	DEB - DALI EM 1h	2	Dual switch	1	Silver grey	5
DEB - DSI	5	DEB - DSI EM 1h	8	Through-wiring	2		
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9	PIR Sensor	4		

ARAGO IP20

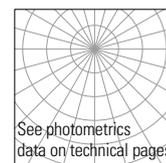


Type	Ballast	Weight (kg)	Code
Versions with narrow beam reflector			
2x54W T16 G5	EB, DEB, EM	5,0	15.811x.241z.y
2x49W T16 G5	EB, DEB, EM	6,0	15.811x.231z.y
2x80W T16 G5	EB, DEB, EM	6,0	15.811x.251z.y
4x54W T16 G5	EB, DEB, EM	8,8	15.811x.441z.y
4x49W T16 G5	EB, DEB, EM	11,0	15.811x.431z.y
4x80W T16 G5	EB, DEB, EM	11,0	15.811x.451z.y
Versions with wide beam reflector			
2x54W T16 G5	EB, DEB, EM	5,0	15.811x.242z.y
2x49W T16 G5	EB, DEB, EM	6,0	15.811x.232z.y
2x80W T16 G5	EB, DEB, EM	6,0	15.811x.252z.y
4x54W T16 G5	EB, DEB, EM	8,8	15.811x.442z.y
4x49W T16 G5	EB, DEB, EM	11,0	15.811x.432z.y
4x80W T16 G5	EB, DEB, EM	11,0	15.811x.452z.y

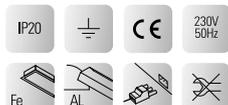


Power (W)	L	W
2x54	1195	236
2x49/80	1495	236
4x54	1195	430
4x49/80	1495	430

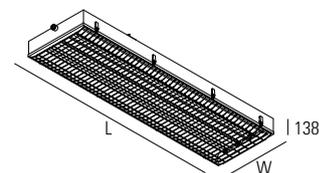
All fixtures are fitted with Osram Constant lamps.
Ceiling mounting plate and suspension set must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.



ARAGO P IP20

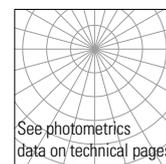


Type	Ballast	Weight (kg)	Code
Versions with narrow beam reflector			
2x54W T16 G5	EB, DEB, EM	6,8	15.812x.241z.y
2x49W T16 G5	EB, DEB, EM	8,0	15.812x.231z.y
2x80W T16 G5	EB, DEB, EM	8,0	15.812x.251z.y
4x54W T16 G5	EB, DEB, EM	12,0	15.812x.441z.y
4x49W T16 G5	EB, DEB, EM	15,0	15.812x.431z.y
4x80W T16 G5	EB, DEB, EM	15,0	15.812x.451z.y
Versions with wide beam reflector			
2x54W T16 G5	EB, DEB, EM	6,8	15.812x.242z.y
2x49W T16 G5	EB, DEB, EM	8,0	15.812x.232z.y
2x80W T16 G5	EB, DEB, EM	8,0	15.812x.252z.y
4x54W T16 G5	EB, DEB, EM	12,0	15.812x.442z.y
4x49W T16 G5	EB, DEB, EM	15,0	15.812x.432z.y
4x80W T16 G5	EB, DEB, EM	15,0	15.812x.452z.y



Power (W)	L	W
2x54	1195	236
2x49/80	1495	236
4x54	1195	430
4x49/80	1495	430

All fixtures are fitted with Osram Constant lamps.
Ceiling mounting plate and suspension set must be ordered separately.
Fixtures with emergency kit module are 0,5 kg heavier.



Code definition for ballast, emergency kit and colour options

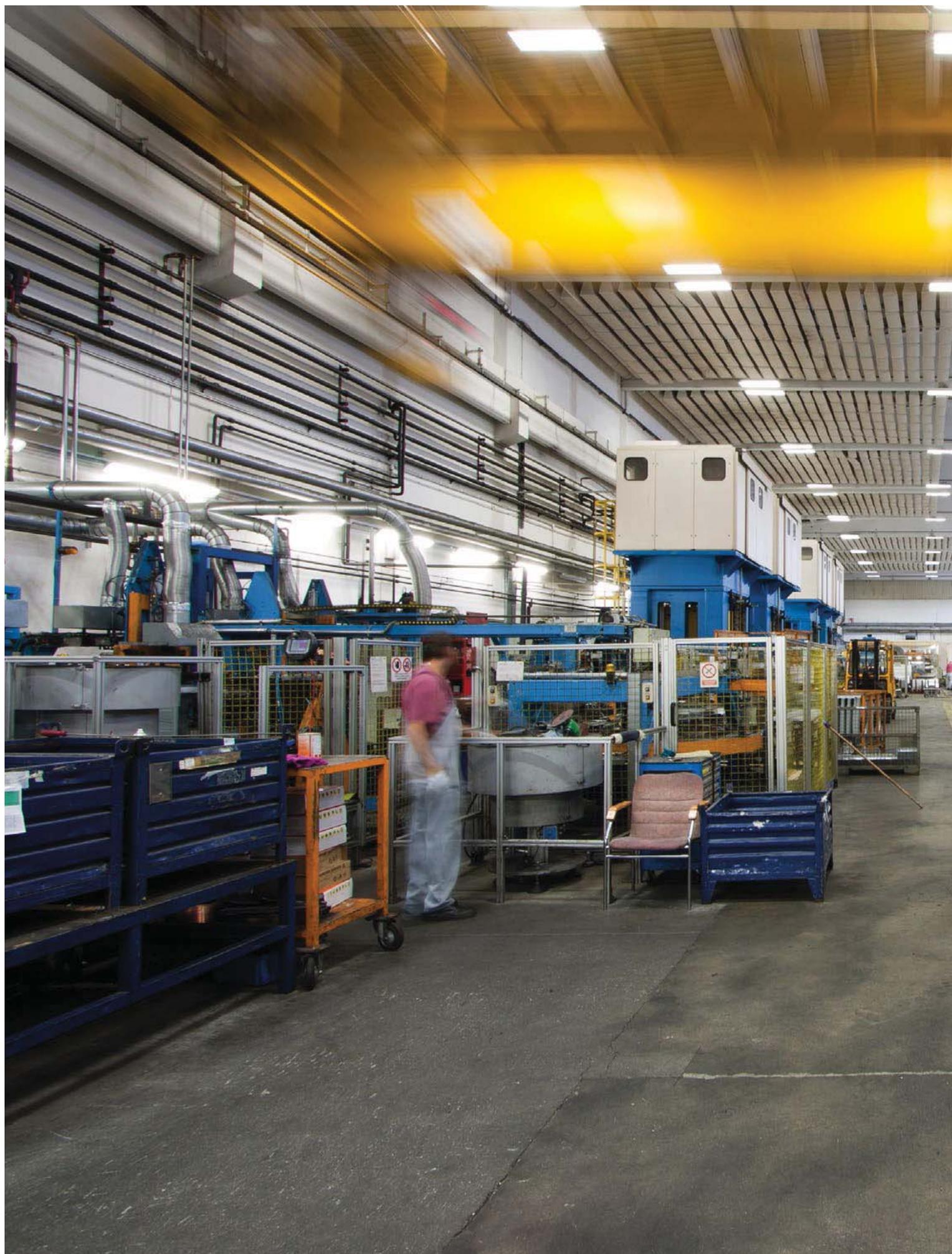
Ballast options	Code (x)	Emergency kit options	Code (x)	Wiring	Code (z)	Colour	Code (y)
EB	4	EB EM 1h	7	Standard	0	White	1
DEB - DALI	1	DEB - DALI EM 1h	2	Dual switch	1	Silver grey	5
DEB - DSI	5	DEB - DSI EM 1h	8	Through-wiring	2		
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9	PIR Sensor	4		

Accessories



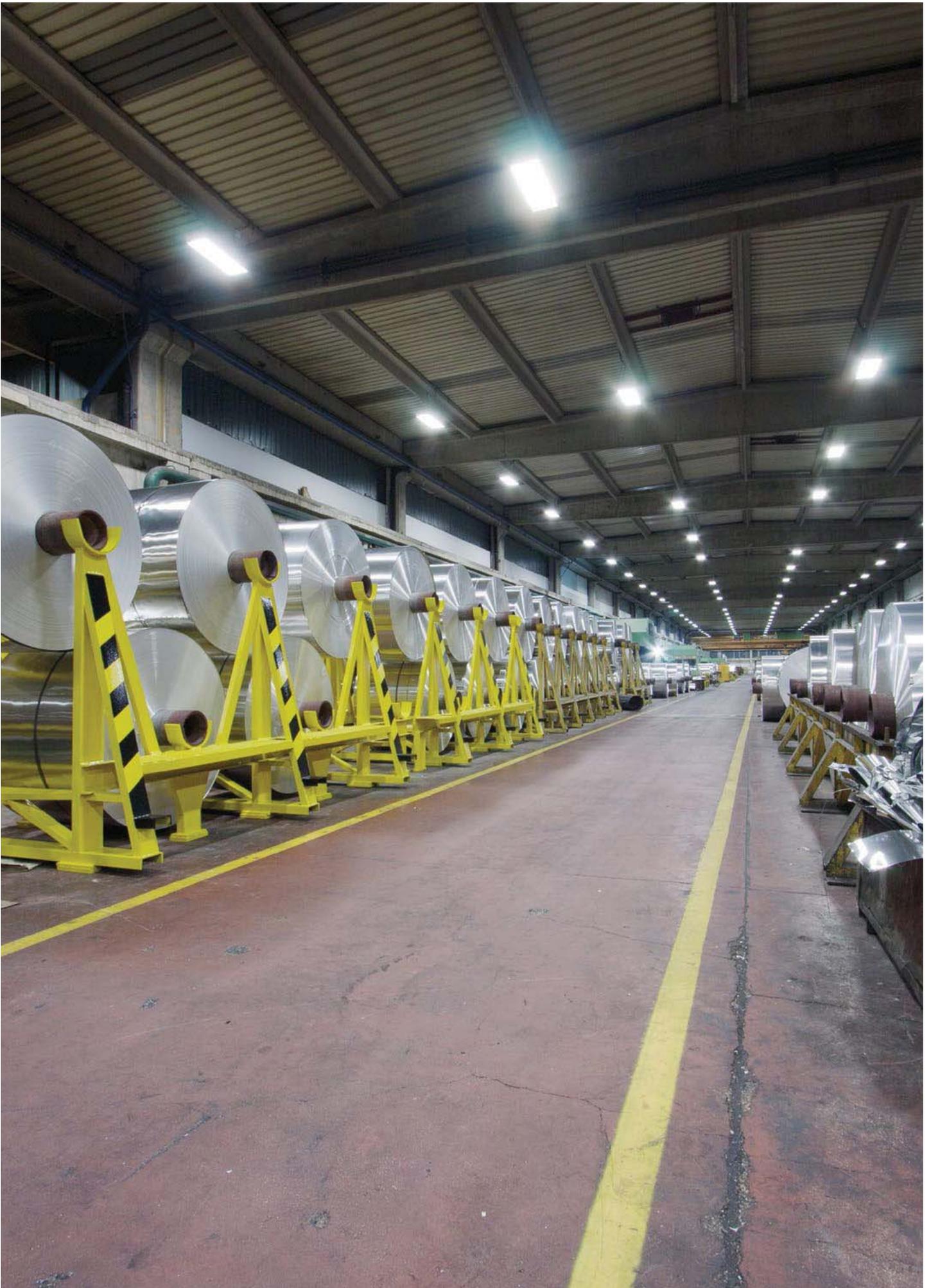
Type	Weight (kg)	Code
Ceiling mounting kit 2xT16	1,3	707110068
Ceiling mounting kit 4xT16	2,0	701130193
Ceiling mounting kit 2xT16 stainless steel	1,4	707110099
Ceiling mounting kit 4xT16 stainless steel	2,1	707110098
Suspension chain set 4m	1,1	701130197
Connector with cable 1500 mm		16.8100.1015.0
Connector with cable 3000 mm		16.8100.1030.0
Connector with cable 6000 mm		16.8100.1060.0

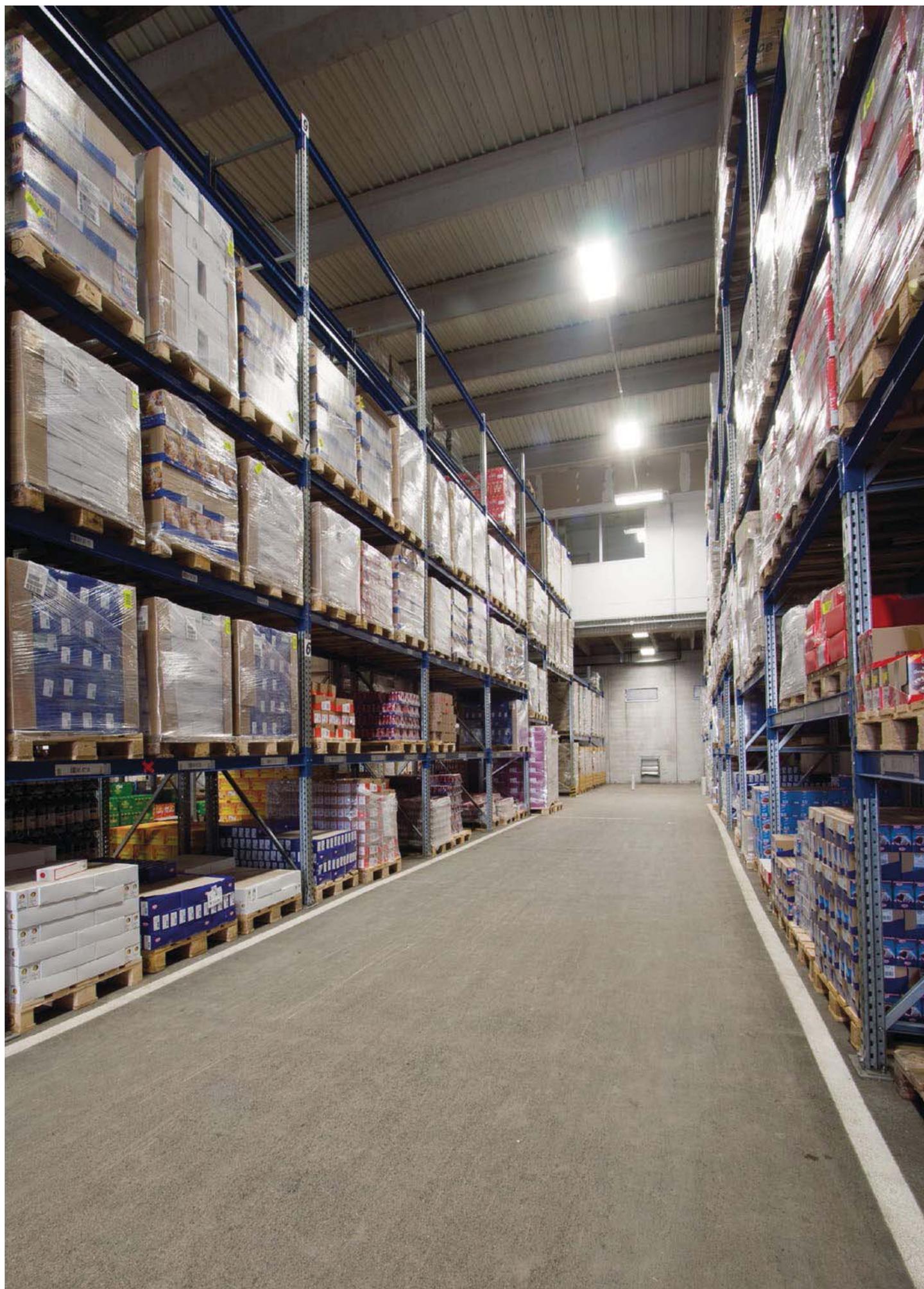
Female connector without cable is already fitted to the fixture.

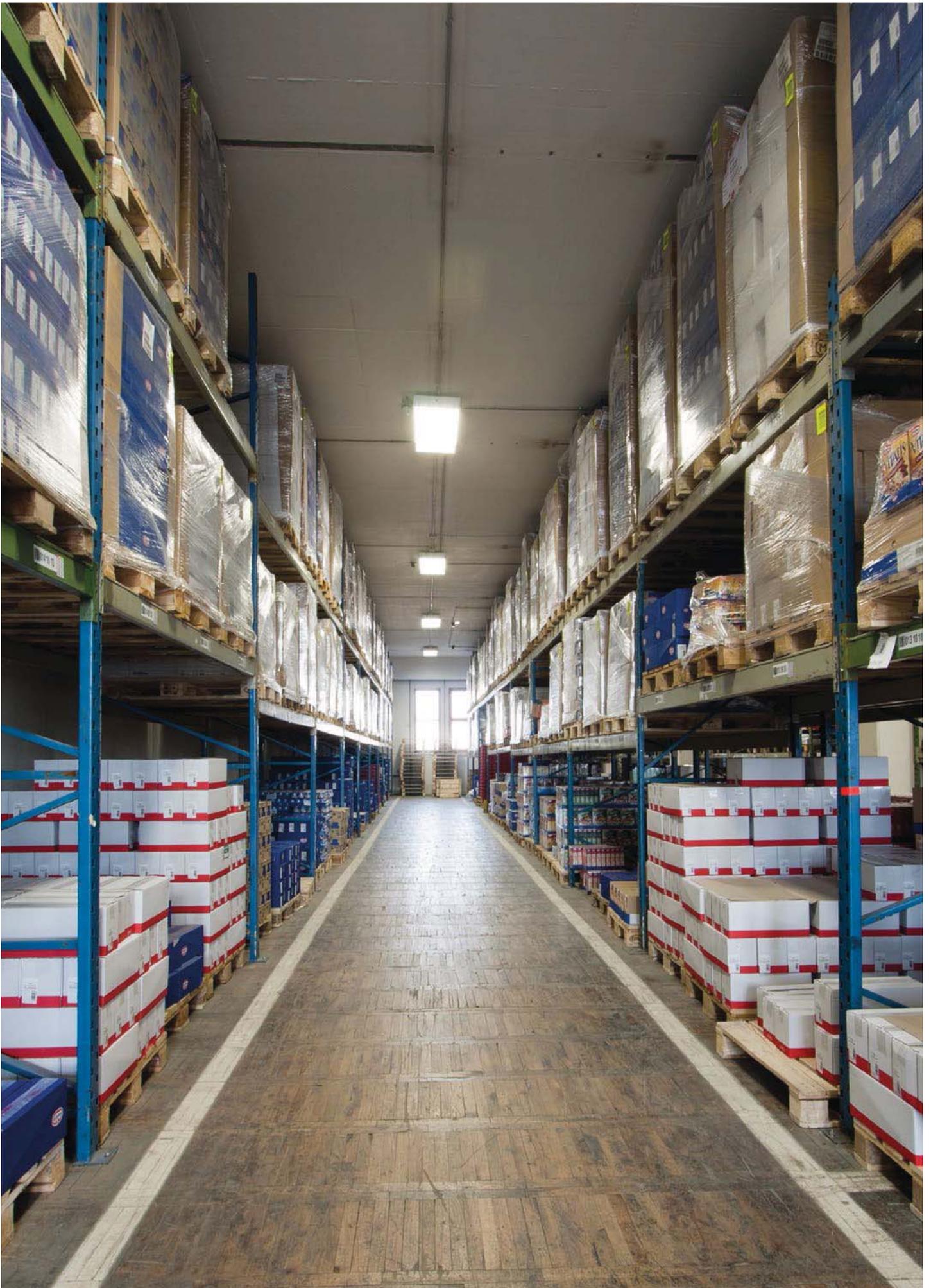














- Ceiling mounted dust and moisture proof luminaire for linear T16 and T26 lamps
- Housing made of self-extinguishing V2 polycarbonate, injection moulded, RAL 7035 grey colour
- Single piece injection moulded polycarbonate diffuser with internal prismatic structure for optimum light dispersion
- Integrated electronic; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 hour autonomy
- Complete with polycarbonate fixing clips and stainless steel fixing brackets
- Stainless steel fixing clips option
- Specular aluminium reflector option
- Through-wiring set 5 x 2,5 mm² available on request
- Tool free easy maintenance

Details



Tool free easy maintenance



Enclosed stainless steel bracket enable surface or suspension installation of the fixture



Guidance 'teeth' enable perfect alignment of lighting fixtures

Options



Optional through-wiring set 5x2,5 mm² complete with additional moisture proof cable gland



Stainless steel fixing clips sets are available on request

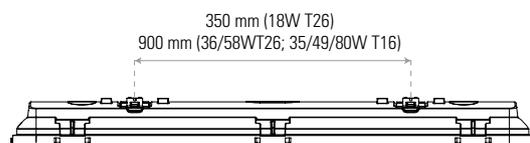


Aluminium reflector as option for enhanced efficiency

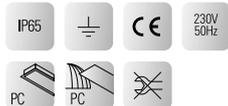


Cold storage version on request

Luminaire mounting



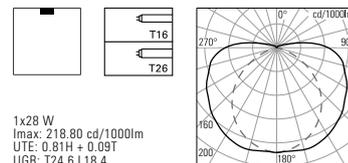
5700 1-lamp



Type	Control Gear	Weight (kg)	Code
T26 version			
1x36W T26 G13	EB, DEB, EM	2	5.700x.1363.0
1x58W T26 G13	EB, DEB, EM	2.7	5.700x.1583.0
T16 version			
1x28W T16 G5	EB, DEB, EM	1.4	5.700x.1283.0
1x35W T16 G5	EB, DEB, EM	1.7	5.700x.1353.0
1x49W T16 G5	EB, DEB, EM	1.7	5.700x.1493.0
1x80W T16 G5	EB, DEB	1.7	5.700x.1803.0



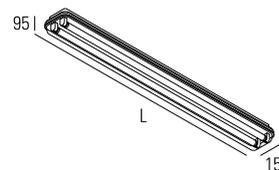
Power (W)	L
1x36/28/54	1270
1x58/35/49	1570



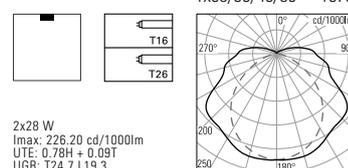
5700 2-lamp



Type	Control Gear	Weight (kg)	Code
T26 version			
2x18W T26 G13	EB	1.8	5.700x.2183.0
2x36W T26 G13	EB, DEB, EM	3.1	5.700x.2363.0
2x58W T26 G13	EB, DEB, EM	4.5	5.700x.2583.0
T16 version			
2x28W T16 G5	EB, DEB, EM	1.9	5.700x.2283.0
2x54W T16 G5	EB, DEB, EM	1.9	5.700x.2543.0
2x35W T16 G5	EB, DEB, EM	2.5	5.700x.2353.0
2x49W T16 G5	EB, DEB, EM	2.5	5.700x.2493.0
2x80W T16 G5*	EB, DEB	3.7	5.700x.2803.0



Power (W)	L
1x18	670
1x36/28/54	1270
1x58/35/49/80	1570



* 2x80W version is completed with aluminium reflector

Accessories



Type	Weight (kg)	Code
Through wiring 1/2x36W 5 x 2,5 mm ²	0.2	5.7033.6525.0
Through wiring 1/2x58W 5 x 2,5 mm ²	0.2	5.7035.8525.0



Inox clips set (36W - 8 pcs)	<0,1	5.7030.0036.0
Inox clips set (58W - 10 pcs)	<0,1	5.7030.0058.0



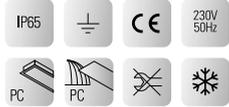
Aluminium reflector 2x36/28/54	0.5	5.7050.0036.0
Aluminium reflector 2x58/35/49/80	0.6	5.7050.0058.0

Code definition for ballast and emergency kit

Ballast options	Code (x)	Emergency kit options	Code (x)
EB	4	EB EM 1h	7
DEB - DALI	1	DEB - DALI EM 1h	2
DEB - DSI	5	DEB - DSI EM 1h	8
DEB 1 - 10V	3	DEB 1 - 10V EM 1h	9

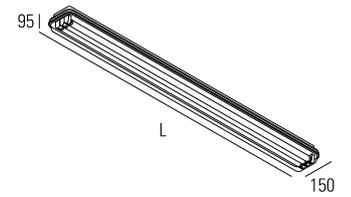
INDUSTRIAL AND FLOODLIGHTS 5700

5700 POLAR

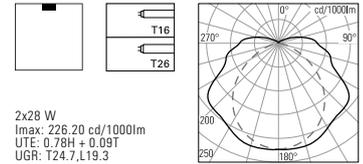


Type	Control Gear	Weight (kg)	Code
Polar 21 2x54W T16 G5	EB	1,9	5.7024.2543.0
Polar 30 2x58W T26 G13	EB	2,5	5.7024.2583.0

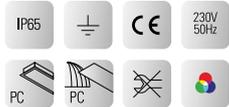
All Polar fixtures are supplied with inox clips.
 For optimum performance at low temperatures use special fluorescent lamps suitable for operation at very low temperatures:
 - Osram HO 54W Constant (for Polar 21)
 - Philips 58W Extra Polar or Extreme Polar (for Polar 30)



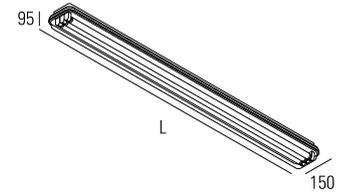
Power (W)	L
2x54	1270
2x58	1570



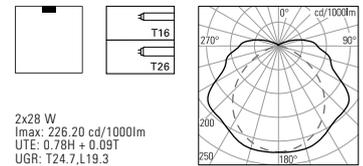
5700 RGB



Type	Control Gear	Weight (kg)	Code
3x28W T16W G5	DEB RGB	2,0	5.700x.3283.0
3x35W T16W G5	DEB RGB	2,6	5.700x.3353.0



Power (W)	L
1x28	1270
1x35	1570



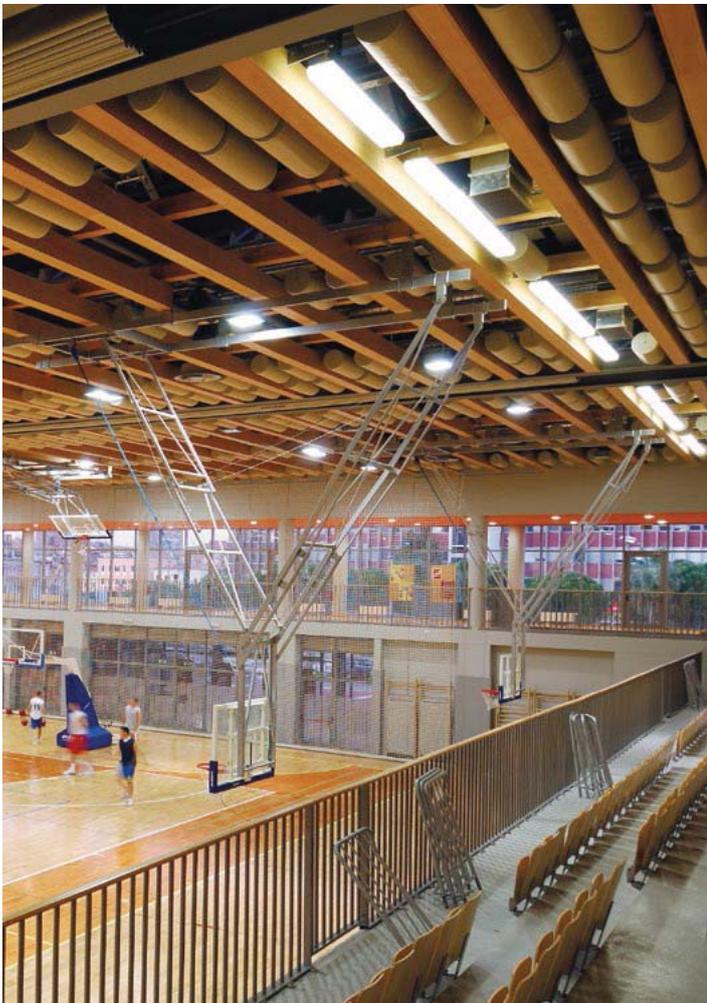
Accessories

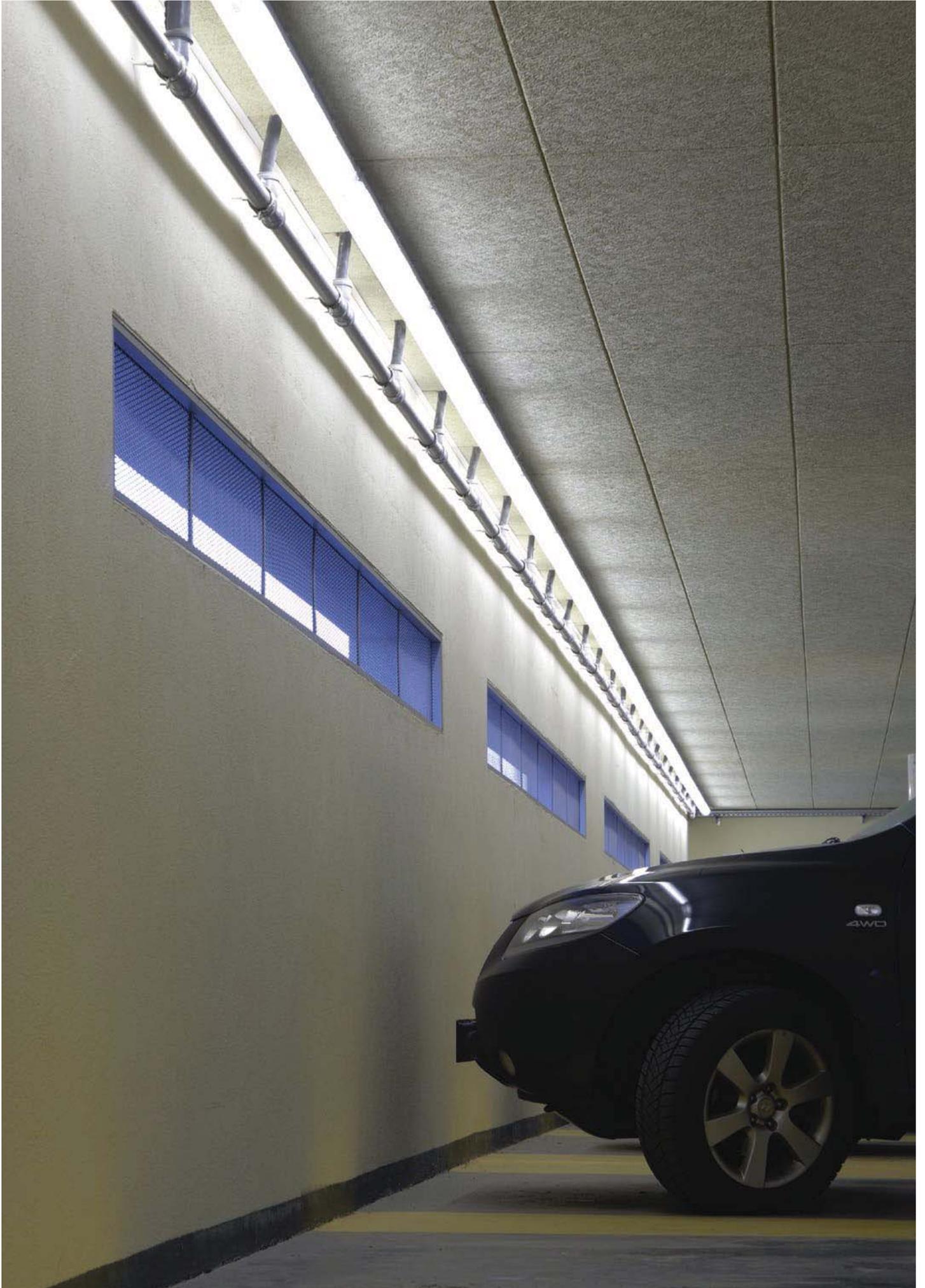


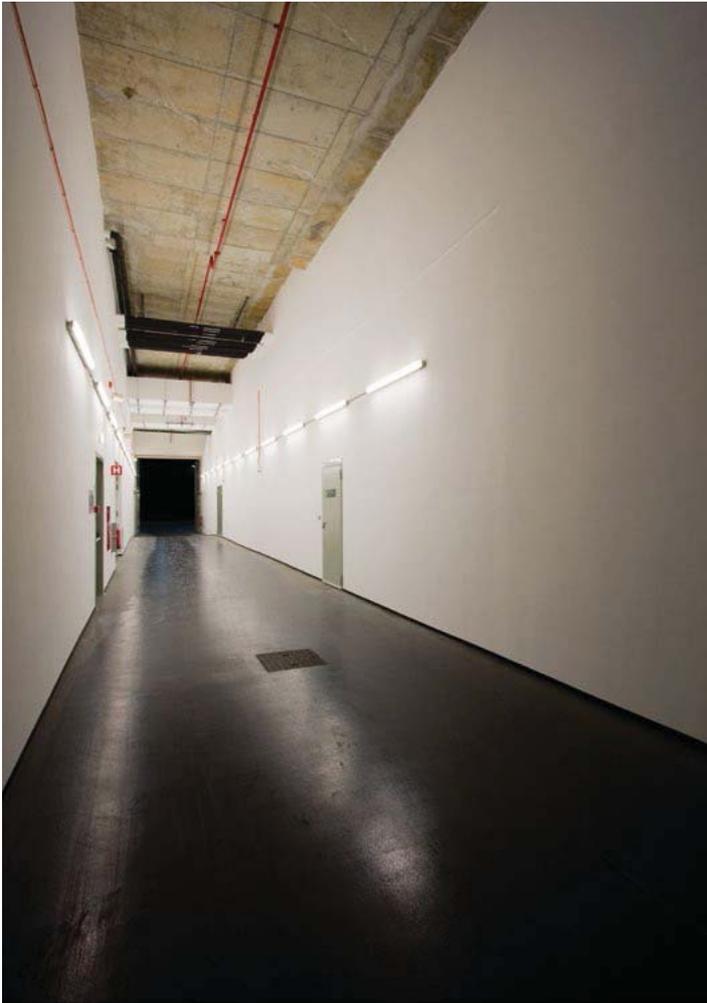
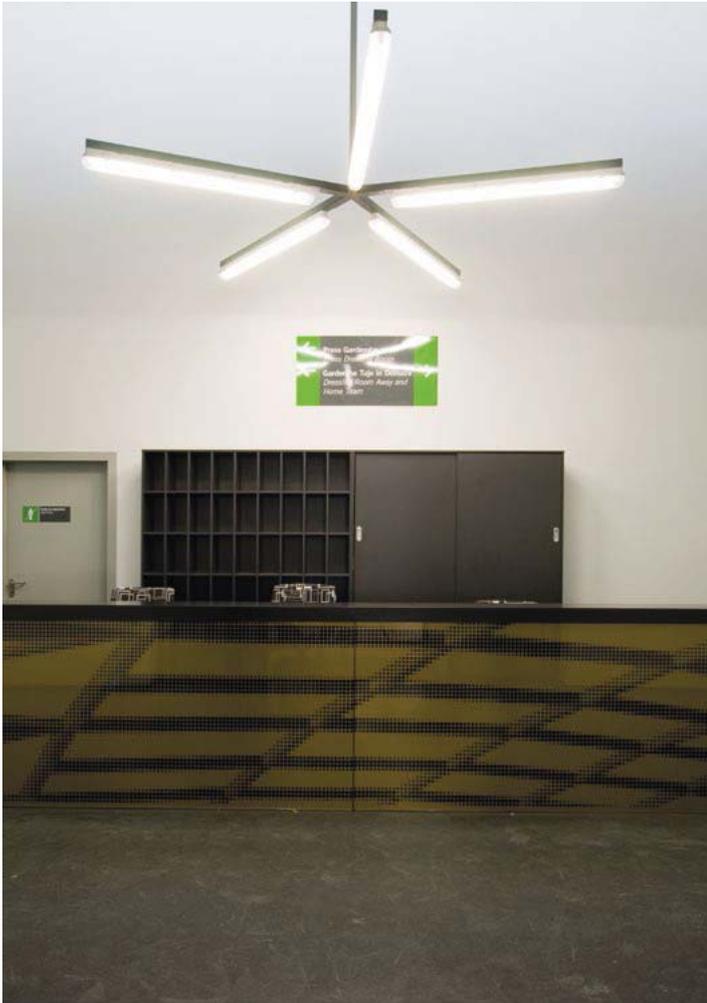
Type	Weight	Code
Inox clips set (36W - 8 pcs)	<0,1	5.7030.0036.0
Inox clips set (58W - 10 pcs)	<0,1	5.7030.0058.0
Aluminium reflector 2x36/28/54	0.5	5.7050.0036.0
Aluminium reflector 2x58/35/49/80	0.6	5.7050.0058.0

Code definition for ballast, emergency kit and colour options

Ballast options	Code (x)
DEB - DALI	1
DEB - DSI	5









- Ceiling mounted dust and moisture proof luminary for linear T16 lamps
- Housing made of extruded aluminium profile with die-cast aluminium end-cap
- Tempered protective glass screen, thermal shock and impact resistant; glass remains hooked on during maintenance
- Integrated electronic ballast; on request also dimmable electronic ballast - digital (DALI, DSI) or analogue (1-10V)
- Emergency kit version with 1 hour autonomy
- Complete with stainless steel fixing clips and two waterproof cable glands
- Specular aluminium reflector for enhanced luminous efficiency
- Tool free easy maintenance

Details



Fixture is completed with stainless steel fixing clips



Fixture is equipped with two moisture proof cable glands on both sides



Tempered protective glass screen remains hooked on during maintenance

Options

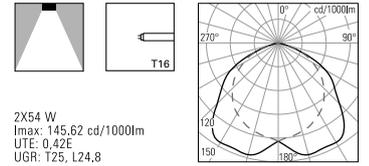


Adjustable wall/ceiling bracket for adjustable illumination – see **Accessories**

ASTOR



Type	Control Gear	Weight (kg)	Code
1x28W T16 G5	EB, DEB	4	15.905x.1281.5
1x54W T16 G5	EB, DEB	4	15.905x.1541.5
2x28W T16 G5	EB, DEB	4	15.905x.2281.5
2x54W T16 G5	EB, DEB	4	15.905x.2541.5



Accessories



Type	Weight (kg)	Code
Adjustable bracket	<0,2	5.9050.0011.0

Code definition for ballast

Ballast options	Code (x)
EB	4
DEB - DALI	1



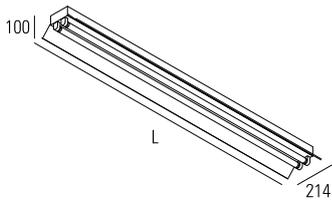


- Ceiling mounted two-lamp fixture with wide reflector for linear T26 lamps
- Steel sheet housing, powder coating, white colour
- Symmetrical wide reflector, steel sheet, white colour
- Integrated electronic ballast
- Emergency kit version with 1 hour autonomy
- Tool free easy maintenance

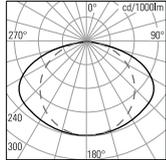
5300



Type	Control Gear	Weight (kg)	Code
2x36W T26 G13	EB	6	5.3004.2362.1
2x58W T26 G13	EB	8	5.3004.2582.1



Power (W)	L
1x36	1233
1x58	1533



2x36 W
 Imax: 237 cd/1000lm
 UTE: 0,886
 UGR: T26.3, L24.2





- Industrial indoor high-bay reflector for high pressure discharge lamp with elevated IP65 protection (only in combination with protective glass)
- Die-cast aluminium body, extra cooling ribs, silver grey colour
- Optics: anodised aluminium high efficiency reflector; to be ordered separately
- Tempered protective glass screen, 4 mm thickness, thermal shock and impact resistant, complete with mounting ring for easy mounting; glass remains hooked on during maintenance; enables IP65 protection
- Integrated male quick connector enables fast and easy installation without opening the gear body; female quick connector with cable available as accessory
- Tool free easy maintenance

Optics



Aluminium reflector
Anodised aluminium wide beam high efficiency reflector, anti iridescence

Details



Quick connector enables fast and easy installation without opening the gear body; female quick connector complete with cable is available as accessory; order separately



Enhanced cooling ribs enables optimum heat dispersion



Tempered protective glass screen is complete with mounting ring for easy mounting



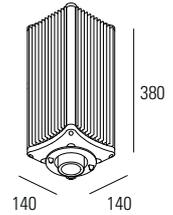
Protective glass screen remain hooked on during maintenance

Gear box



Type	Control Gear	Weight (kg)	Code
250W E40	HPI-BU plus	5	6.8110.0257.5
400W E40	HPI-BU plus	5	6.8110.0407.5
250W E40	HSE/HIE	5	6.8110.0255.5
400W E40	HIE	5	6.8110.0405.5
400W E40	HSE/HIE	5	6.8110.0406.5

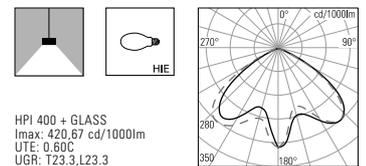
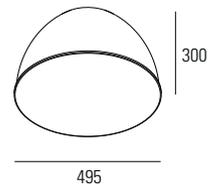
IP65 protection is obtained only in combination with aluminium reflector and protection glass.



Aluminium reflector



Type	Weight (kg)	Code
AL reflector anodised	1.1	6.8100.1110.0



Accessories



Type	Weight (kg)	Code
Protection glass IP65 for AL reflector d. 495 mm	0.5	6.8100.1300.0

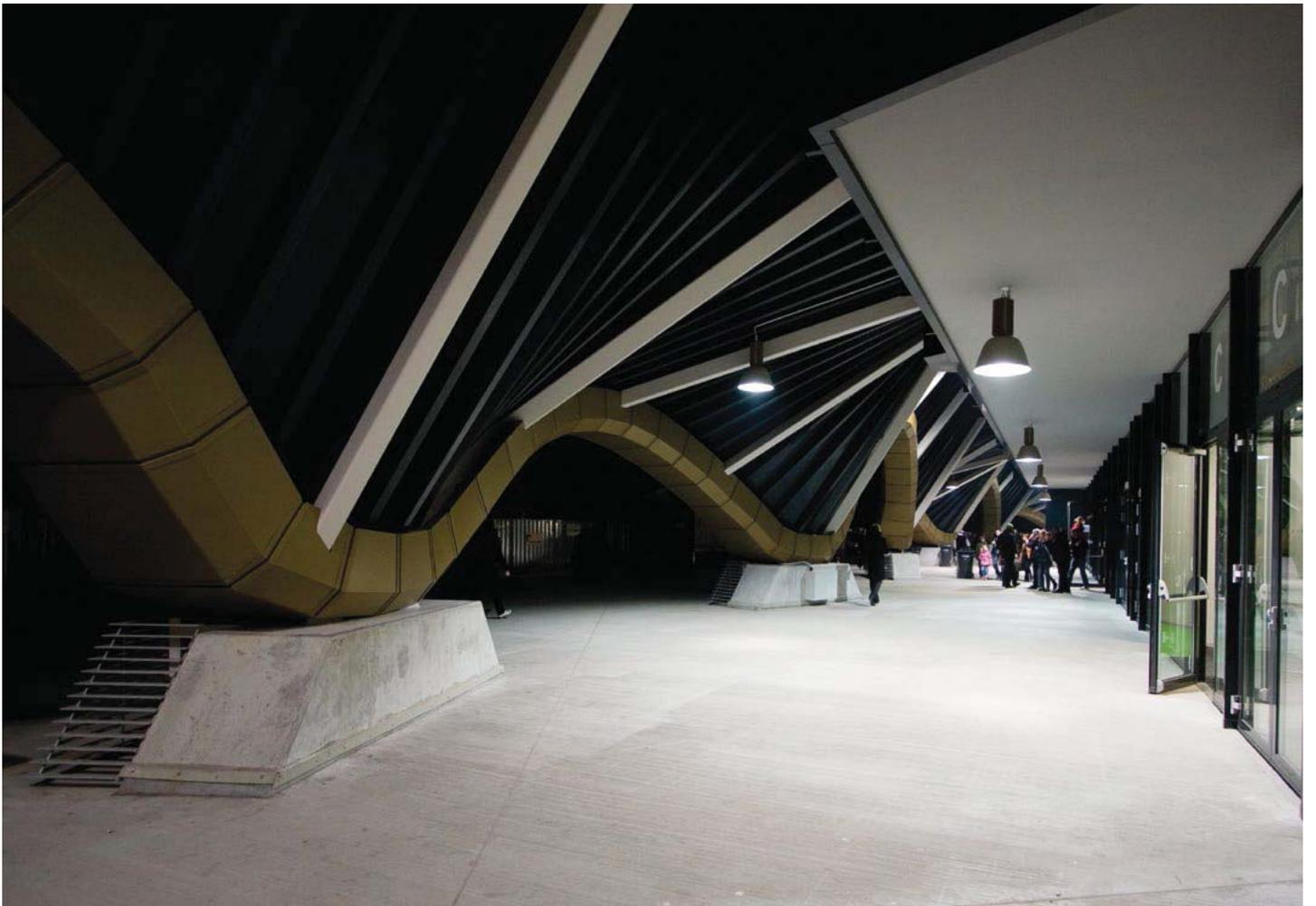


Connector	<0,1	6.8100.1000.0
Connector with cable 1500 mm	0.2	6.8100.1015.0
Connector with cable 3000 mm	0.4	6.8100.1030.0
Connector with cable 6000 mm	0.8	6.8100.1060.0



Power suspension 1500 mm	0.8	6.8100.1515.0
Power suspension 3000 mm	1	6.8100.1530.0
Power suspension 6000 mm	1.4	6.8100.1560.0

Female connector without cable is already fitted to the fixture.







- Indoor and outdoor symmetrical/asymmetrical floodlight for professional use
- Die-cast aluminium body, silver grey colour
- Symmetrical and asymmetrical highly pure anodised aluminium hammered surface reflector, low iridescence
- screen printed tempered glass, strong impact strength, secured by 4 clips
- Tool free easy maintenance
- Complete with steel fixing bracket with aiming goniometer
- Protection grill and anti-glare shade as accessory

Optics

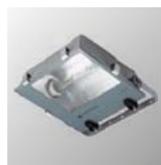


Symmetrical optic
Symmetrical highly pure anodised aluminium hammered surface reflector, low iridescence

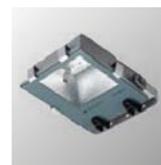


Asymmetrical optic
Asymmetrical highly pure anodised aluminium hammered surface reflector, low iridescence

Range



250/400W

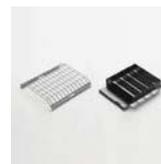


70/150W

Details

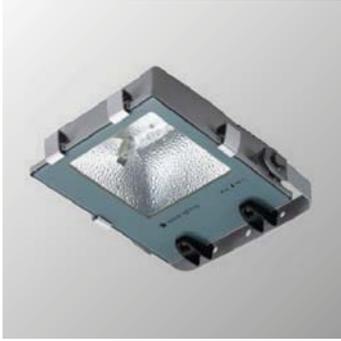


Aluminium clips enable tool free easy maintenance

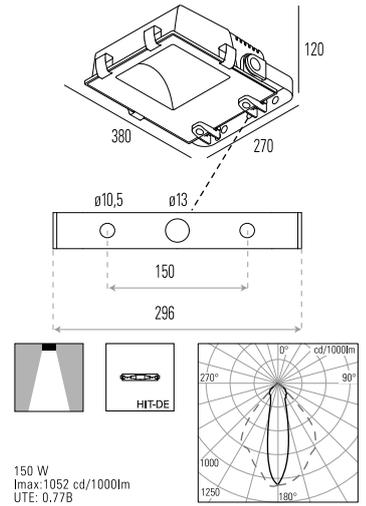


Protection grill and anti-glare shade as accessory

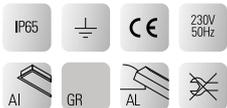
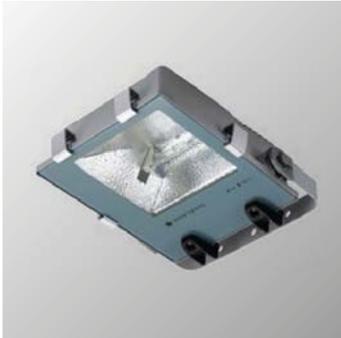
7210 Symmetrical



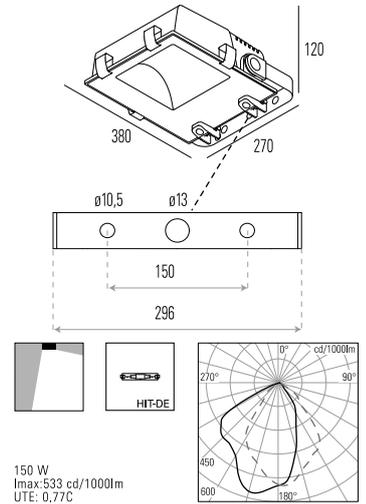
Type	Control Gear	Weight (kg)	Code
70W RX7s	HIT MB	5.6	7.2100.0070.5
150W RX7s-24	HIT MB	6.4	7.2100.0150.5



7211 Asymmetrical



Type	Control Gear	Weight (kg)	Code
70W RX7s	HIT MB	5.6	7.2110.0070.5
150W RX7s-24	HIT MB	6.4	7.2110.0150.5



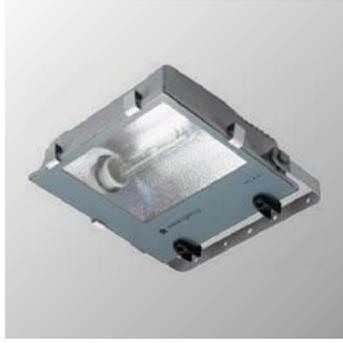
Accessories



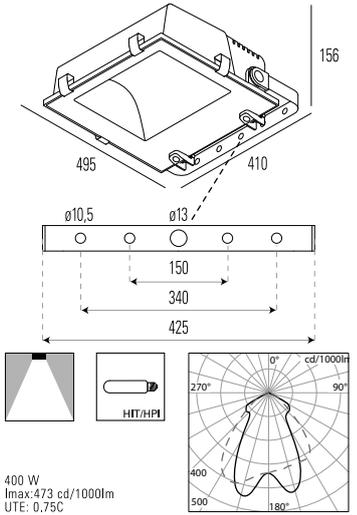
Type	Weight (kg)	Code
Protection grill	1	7.2101.0000.0
Anti-glare faps	1.2	7.2102.0000.0

INDUSTRIAL AND FLOODLIGHTS 7200/7400

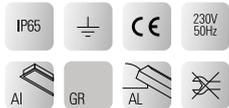
7410 SYMMETRICAL



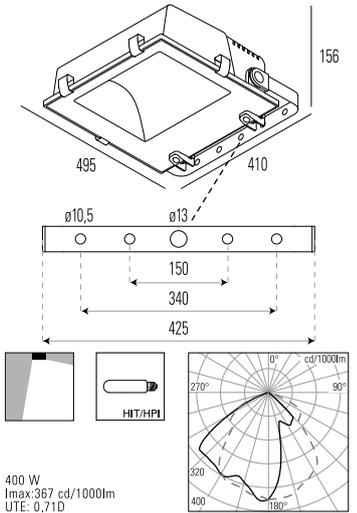
Type	Control Gear	Weight (kg)	Code
250W E40	HPI-T	10.3	7.4100.0257.5
250W E40	HIT/HST	10.3	7.4100.0256.5
400W E40	HPI-T	7.6	7.4100.0407.5
400W E40	HIT	10.8	7.4100.0405.5
400W E40	HIT/HST	12.6	7.4100.0406.5



7411 ASYMMETRICAL



Type	Control Gear	Weight (kg)	Code
250W E40	HPI-T	10.3	7.4110.0257.5
250W E40	HIT/HST	10.3	7.4110.0256.5
400W E40	HPI-T	7.6	7.4110.0407.5
400W E40	HIT	7.6	7.4110.0405.5
400W E40	HIT/HST	12.6	7.4110.0406.5



Accessories



Type	Weight (kg)	Code
Protection grill	1	7.4101.0000.0



Anti-glare faps	1.2	7.4102.0000.0
-----------------	-----	---------------



TECHNICAL PAGES

The data in this catalogue is provided in good faith and only for your information. All information is without engagement, replaces preceding information and can be always modified. Light data are given as example. Intra lighting has the right to change, at any time, the technical aspects of its products or product data without foregoing communication. No part of this catalogue may be copied without written authorization of Intra lighting • Graphic design: Futura DDB, Marketing team Intra lighting • Layout: Markacija • Photography: Miran Kambič, Dragan Arrigler, Nika Furlan, Ikon, AV Studio, Boris Gorjan, Jurica Lenard, Peter Uhan, Asher Ohad, Oren Asaf, Petr Janzura, Goran Saletto, Shutterstock • Print: Gorenjski Tisk • Thanks to everyone who contributed to the realization of this catalogue • Made in Slovenia, February 2014

Code for order catalogue: 061011014020 Catalog TECH 2014 ENG soft

[BACK TO INDEX](#)

PHOTOMETRICS DATA

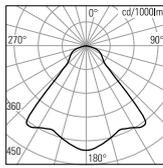
NITOR LED

NITOR LED RV-FH 2000 21W

Versions with 3000K LED colour temperature



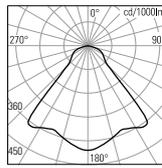
LED 2000 21W
Imax: 394.81 cd/1000lm
UTE: 0.79 C
UGR: T23.3, L23.3



Versions with 4000K LED colour temperature



LED 2000 21W
Imax: 398.15 cd/1000lm
UTE: 0.80 C
UGR: T23.4, L23.4

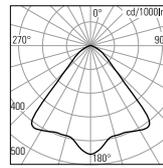


NITOR LED RV-WH 2000 21W

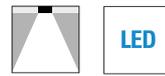
Versions with 3000K LED colour temperature



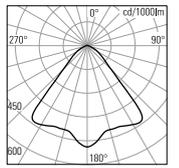
LED 2000 21W
Imax: 473.73 cd/1000lm
UTE: 0.85 B
UGR: T20.1, L20.1



Versions with 4000K LED colour temperature

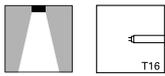


LED 2000 21W
Imax: 484.53 cd/1000lm
UTE: 0.87 B
UGR: T20.3, L20.3

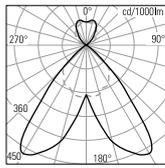


MIVA

MIVA HDP DI 1x28W



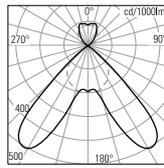
1x28 W
Imax: 473.89 cd/1000lm
UTE: 0.71 D + 0.20 T
UGR: T14.1, L13.9
CIBSE: L <200cd/m at 60°



MIVA HDP DI 2x28W



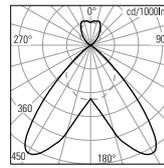
2x28 W
Imax: 505.72 cd/1000lm
UTE: 0.71 D + 0.21 T
UGR: T16.1, L14.8
CIBSE: L <200cd/m at 60°



MIVA HMP DI 1x28W



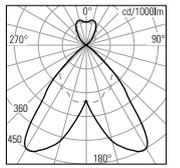
2x28 W
Imax: 470.39 cd/1000lm
UTE: 0.71 D + 0.21 T
UGR: T14.7, L14.5
CIBSE: L <200cd/m at 60°



MIVA HMP DI 2x28W



1x28 W
Imax: 2382.22 cd/1000lm
UTE: 0.71 D + 0.20 T
UGR: T11.9, L11.6
CIBSE: L <200cd/m at 60°



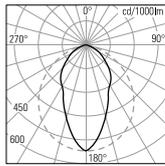
ARAGO

ARAGO IP65/AISI 316L

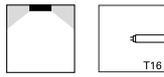
GLASS 4X54W NARROW



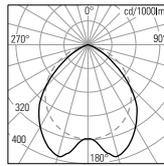
4x54 W
Imax: 511.2 cd/1000lm
UTE: 0.83D
UGR: T19.9, L23.3



GLASS 4X54W WIDE



4x54 W
Imax: 388.66 cd/1000lm
UTE: 0.86D
UGR: T19.6, L23.4

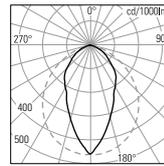


ARAGO P IP65

GLASS 4X54W NARROW



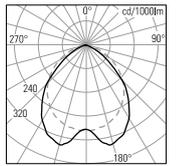
4x54 W
Imax: 464.79 cd/1000lm
UTE: 0.78D
UGR: T20.1, L23.1



GLASS 4X54W WIDE



4x54 W
Imax: 347.39 cd/1000lm
UTE: 0.77D
UGR: T20.4, L23.1

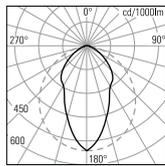


ARAGO IP65/AISI 316L

PMMA 4X54W NARROW



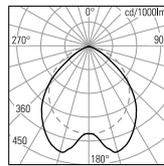
4x54W T16 G5
Imax: 524.18 cd/1000lm
UTE: 0.86 D
UGR: T20, L23.4



PMMA 4X54W WIDE



4x54W T16 G5
Imax: 395.59 cd/1000lm
UTE: 0.88 D
UGR: T20, L23.8

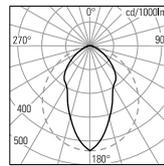


ARAGO P IP65

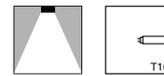
PMMA 4X54W NARROW



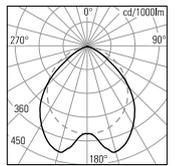
4x54W T16 G5
Imax: 442.98 cd/1000lm
UTE: 0.73 D
UGR: T20.3, L22.9



PMMA 4X54W WIDE



4x54W T16 G5
Imax: 395.59 cd/1000lm
UTE: 0.88 D
UGR: T20, L23.8

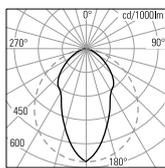


ARAGO IP20

PMMA 4X54W NARROW



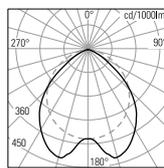
4x54
Imax: 563.39 cd/1000lm
UTE: 0.95D
UGR: T20.5, L24.6



PMMA 4X54W WIDE



4x54
Imax: 429.65 cd/1000lm
UTE: 0.97D
UGR: T20.1, L24.8

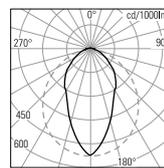


ARAGO P IP20

PMMA 4X54W NARROW



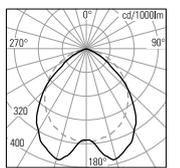
4x54
Imax: 510.56 cd/1000lm
UTE: 0.87D
UGR: T21.4, L24.0



PMMA 4X54W WIDE



4x54
Imax: 347.39 cd/1000lm
UTE: 0.89D
UGR: T20.5, L24.1



TUBULAR FLUORESCENT LAMPS

T16 (T5) fluorescent lamps

Rated voltage: 230 V; average mortality: 20.000h -24.000h; colour temperature: 2700-3000-4000-6500-8000K

Symbol	Power [W]	Socket	Lumen output [lm/25° C]	Lumen output [lm/35° C]	Efficiency [lm/W] 25°C / 35°C	Energy label	Ra index	Ra class	Length [mm]
	T16 FH/HE 14	G5	1,200	1,350	85.7 / 96.4	A	80...89	1B	549
	21	G5	1,900	2,100	90.5 / 100.0	A	80...89	1B	849
	28	G5	2,600	2,900	92.9 / 103.6	A	80...89	1B	1149
	35	G5	3,300	3,650	94.3 / 104.3	A	80...89	1B	1449
	T16 FQ/HO 24	G5	1,750	2,000	72.9 / 83.3	A	80...89	1B	549
	39	G5	3,100	3,500	79.5 / 90	A	80...89	1B	849
	49	G5	4,300	4,900	87.8 / 100.0	A	80...89	1B	1449
	54	G5	4,450	5,000	82.4 / 92.6	A	80...89	1B	1149
	80	G5	6,150	7,000	76.9 / 87.5	A	80...89	1B	1449

T16 (T5) ECO/energy saver

Rated voltage: 230V; average mortality: 25000h; colour temperature: 2700-3000-4000-6500K

Symbol	Power [W]	Socket	Lumen output [lm/25° C]	Lumen output [lm/35° C]	Efficiency [lm/W] 25°C / 35°C	Energy label	Ra index	Ra class	Length [mm]
	T16 FH/HE 13	G5	1,150	1,350	88.5 / 103.8	A	80...89	1B	549
	19	G5	1,800	2,100	94.7 / 110.5	A	80...89	1B	849
	25	G5	2,450	2,900	98 / 116	A	80...89	1B	1149
	32	G5	3,100	3,650	96.9 / 114.1	A	80...89	1B	1449
	T16 FQ/HO 24	G5	1,650	2,000	82.5 / 97.5	A	80...89	1B	549
	39	G5	3,250	3,500	95.6 / 102.9	A	80...89	1B	849
	49	G5	4,310	4,900	91.1 / 108.9	A	80...89	1B	1449
	54	G5	4,450	5,000	88 / 100	A	80...89	1B	1149
	80	G5	6,150	7,000	89.7 / 95.9	A	80...89	1B	1449

T16 (T5) fluorescent lamps with elevated colour rendering index (Ra>90)

Rated voltage: 230 V; average mortality: 20.000h; colour temperature: 4000-6500K

Symbol	Power [W]	Socket	Lumen output [lm/25° C]	Efficiency [lm/W] 25°C / 35°C	Energy label	Ra index	Ra class	Length [mm]
	T16 FQ/HO 24	G5	1,400	58.3	A	>90	1A	549
	49	G5	3,700	75.5	A	>90	1A	1449
	54	G5	3,800	70.4	A	>90	1A	1149
	80	G5	5,500	68.8	A	>90	1A	1449

T16 (T5) CONSTANT

Rated voltage: 230V; average mortality: 24.000h; colour temperature: 3000-4000-6500K

Symbol	Power [W]	Socket	Lumen output [lm/25° C]	Lumen output [lm/35° C]	Efficiency [lm/W] 25°C / 35°C	Energy label	Ra index	Ra class	Length [mm]
	T16 FQ/HO 24	G5	1,900	2,000	79.2 / 83.3	A	80...89	1B	549
	39	G5	3,400	3,500	87.2 / 89.7	A	80...89	1B	849
	49	G5	4,450	4,900	90.8 / 100	A	80...89	1B	1449
	54	G5	4,850	5,000	89.8 / 92.6	A	80...89	1B	1149
	80	G5	6,800	7,000	85 / 87.5	A	80...89	1B	1449

T16 (T5) XT

Rated voltage: 230V; average mortality: 45.000h; colour temperature: 2700-3000-4000-6500K

Symbol	Power [W]	Socket	Lumen output [lm/25° C]	Lumen output [lm/35° C]	Efficiency [lm/W] 25°C / 35°C	Energy label	Ra index	Ra class	Length [mm]
	T16 FQ/HO 49	G5	4,310	4,900	88 / 100	A	80...89	1B	1449
	54	G5	4,450	5,000	82.4 / 92.6	A	80...89	1B	1149
	80	G5	6,150	7,000	76.9 / 87.5	A	80...89	1B	1449

T16 (T5) SEAMLESS

Rated voltage: 230V; average mortality: 18.000h; colour temperature: 3000-4000-6500K

Symbol	Power [W]	Socket	Lumen output [lm/25° C]	Lumen output [lm/35° C]	Efficiency [lm/W] 25° C / 35° C	Energy label	Ra index	Ra class	Length [mm]
 T16-D	14	G5	1,200	1,350	85.7 / 96.4	A	80...89	1B	580
	21	G5	1,900	2,100	90.5 / 100	A	80...89	1B	880
	28	G5	2,600	2,900	92.9 / 103.6	A	80...89	1B	1180
 T16-D	24	G5	1,750	2,000	72.9 / 83.3	A	80...89	1B	580
	39	G5	3,100	3,500	79.5 / 89.7	A	80...89	1B	880
	54	G5	4,450	5,000	82.4 / 92.6	A	80...89	1B	1180

T16 CIRCLINE (T5) fluorescent lamps

Rated voltage: 230V; average mortality: 12.000h (on EB); colour temperature: 2700-3000-4000-6500K

Symbol	Power [W]	Socket Sockel	Lumen output Lichtausstrahlung [lm/25° C]	Efficiency Effizienz [lm/W] 25° C	Energy label Energiebezeichnung	Ra index Ra index	Ra class Ra Klasse	Length Länge [mm]
 T16-C	22	2Gx13	1,900	86	A	80...89	1B	225
	40	2Gx13	3,400	85	A	80...89	1B	300
	55	2Gx13	4,200	76	B	80...89	1B	300

T26 (T8) fluorescent lamps

Rated voltage: 230 V; average mortality: 18.000h (on EB); colour temperature: 2700K-3000K-4000K-6500K-8000K

Symbol	Power [W]	Socket	Lumen output [lm/25° C]	Efficiency [lm/W] 25° C / 35° C	Energy label	Ra index	Ra class	Length [mm]
 T26	18	G13	1,350	75.0	A	80...89	1B	590
	36	G13	3,350	93.0	A	80...89	1B	1200
	58	G13	5,200	89.6	A	80...89	1B	1500

T26 (T5), fluorescent lamps with elevated colour rendering index (Ra>90)

Rated voltage: 230 V; daaverage mortality: 16.000h; colour temperature: 3000-4000K-5400K-6500K

Symbol	Power [W]	Socket	Lumen output [lm/25° C]	Efficiency [lm/W] 25° C / 35° C	Energy label	Ra index	Ra class	Length [mm]
 T26	18	G13	1,150	63.9	A	>90	1A	590
	36	G13	2,850	79.2	A	>90	1A	1200
	58	G13	4,550	78.4	A	>90	1A	1500

COMPACT FLUORESCENT LAMPS / KOMPAKTE LEUCHTSTOFFLAMPEN**TC-D/T**

Rated voltage: 230 V; average mortality: 12.000h (EB); colour temperature: 2700K-3000K-4000K

Symbol	Power [W]	Socket	Lumen output [lm]	Efficiency [lm/W]	Energy label	Ra index	Ra class	Length [mm]
 TC-SE	9	2G7	600	66.7	B	80...89	1B	144
 TC-D	13	G24d-1	900	69.2	A	80...89	1B	115
	18	G24d-2	1,200	66.7	B	80...89	1B	130
	26	G24d-3	1,800	69.2	B	80...89	1B	149
 TC-DE	13	G24q-1	900	69.2	A	80...89	1B	115
	18	G24q-2	1,200	66.7	B	80...89	1B	130
	26	G24q-3	1,800	69.2	B	80...89	1B	149
 TC-T	13	GX24d-1	900	69.2	A	80...89	1B	90
	18	GX24d-2	1,200	66.7	B	80...89	1B	100
	26	GX24d-3	1,800	69.2	B	80...89	1B	115
 TC-TE	13	Gx24q-1	900	69.2	A	80...89	1B	90
	18	Gx24q-2	1,200	66.7	B	80...89	1B	100
	26	Gx24q-3	1,800	69.2	B	80...89	1B	115
	32	Gx24q-3	2,400	75.0	B	80...89	1B	131
	42	Gx24q-4	3,200	76.2	B	80...89	1B	152

Dicroic metal halide discharge lamps with plug-in base

Rated voltage: appropriate control gear on 230V

Type Typ	Power Leistung [W]	Socket Socket	Angle Winkel [°]	Luminous intensity Leuchtesintensität [cd]	Ra index Ra index	Ra class Ra Klasse	Colour T Farbtemperatur [K]	Dimensions Abmessungen d [mm] / l [mm]	Avarage mortality Durchschnittliche Lebensdauer [h]	Burning position Brennlage
	20	Gx8.5	10	19.000	81	1B	3.000	111 / 95	7.500	universal
	20	Gx8.5	24	4.400	81	1B	3.000	111 / 95	7.500	universal
	20	Gx8.5	40	2.200	81	1B	3.000	111 / 95	7.500	universal
	35	Gx8.5	10	39.000	81	1B	3.000	111 / 95	7.500	universal
	35	Gx8.5	24	9.500	81	1B	3.000	111 / 95	7.500	universal
	35	Gx8.5	40	4.500	81	1B	3.000	111 / 95	7.500	universal
	35	Gx8.5	10	39.000	90	1A	4.200	111 / 95	7.500	universal
	35	Gx8.5	24	9.500	90	1A	4.200	111 / 95	7.500	universal
	35	Gx8.5	40	4.500	90	1A	4.200	111 / 95	7.500	universal
	70	Gx8.5	10	55.000	82	1B	3.000	111 / 95	7.500	universal
	70	Gx8.5	24	16.500	82	1B	3.000	111 / 95	7.500	universal
	70	Gx8.5	40	10.000	82	1B	3.000	111 / 95	7.500	universal
	70	Gx8.5	10	55.000	90	1A	4.200	111 / 95	7.500	universal
	70	Gx8.5	24	15.000	90	1A	4.200	111 / 95	7.500	universal
	70	Gx8.5	40	9.000	90	1A	4.200	111 / 95	7.500	universal

Dicroic metal halide discharge lamps with plug-in base / Dichroitische Halogenmetaldampflampen mit Stecksockel

Rated voltage: appropriate control gear on 230V

Nennspannung: entsprechende Vorschaltgeräte mit 230 V

Type Typ	Power [W] Leistung	Socket Socket	Angle [°] Winkel	Luminous intensity Leuchtesintensität [cd]	Ra index Ra index	Ra class Ra Klasse	Colour T [K] Farbtemperatur	Dimensions Abmessungen d [mm] / l [mm]	Avarage mortality Durchschnittliche Lebensdauer [h]	Burning position Brennlage
	20	Gx10	12	9.000	80+	1B	3.000	54,5/51	12000	universal
	20	Gx10	25	2.900	80+	1B	3.000	54,5/51	12000	universal
	20	Gx10	40	1.500	80+	1B	3.000	54,5/51	12000	universal
	35	Gx10	12	16.00	80+	1B	3.000	54,5/51	12000	universal
	35	Gx10	25	5.500	80+	1B	3.000	54,5/51	12000	universal
	35	Gx10	40	3.000	80+	1B	3.000	54,5/51	12000	universal
	35	Gx10	12	16.000	80+	1B	3.000	54,5/51	12000	universal
	35	Gx10	25	5.500	80+	1B	3.000	54,5/51	12000	universal
	35	Gx10	40	3.000	80+	1B	3.000	54,5/51	12000	universal

SODIUM HIGH-PREASSURE DISCHARGE LAMPS / NATRIUMDAMPFLAMPEN**Single-ended compact sodium discharge lamps – white SON / Einseitige kompakte Natriumdampflampen – weiß SON**

Rated voltage: appropriate control gear on 230V; burning position: universal

Nennspannung: entsprechende Vorschaltgeräte mit 230 V

Type Typ	Lamp type Lampen Typ	Power [W] Leistung	Socket Socket	Lumen output Lichtausstrahlung [lm]	Efficiency Effizienz [lm/W]	Ra index Ra index	Ra class Ra Klasse	Colour T Farbtemperatur [K]	Dimensions Abmessungen d [mm] / l [mm]	Avarage mortality Durchschnittliche Lebensdauer [h]
	SDW-TG	50	GX12-1	2,400	48	81	1B	2550	14 / 103	10,000
		100	GX12-1	4,900	49	83	1B	2550	18 / 110	10,000

Single-ended tubular metal halide discharge lamps

Rated voltage: appropriate control gear on 230V

Type	Lamp type	Power [W]	Socket	Lumen output [lm]	Efficiency [lm/W]	Ra index	Ra class	Colour T [K]	Burning position	Average mortality [h]	
	OSRAM										
		HQI-T/D *	250	E40	20,000	82	90	1A	5,200	universal	20.000
		HCI-T *	250	E40	25,000	98	98	1A	4,200	universal	20.000
		HQI-T/N	400	E40	34,000	89	>60	2B	4,000	hor.+/- 45°	20.000
		HQI-T/N *	400	E40	42,000	98	>65	2B	3,500	hor.+/- 45°	20.000
		HQI-T/D	400	E40	27,000	75	90	1A	5,900	universal	20.000
		HQI-T/D *	400	E40	35,000	83	90	1A	5,200	universal	20.000
		HCI-TM *	400	E40	40,000	103	95	1A	4,200	universal	20.000
	GE										
		ARC250/T	250	E40	19,000	76	90	1A	6,000	hor.+/- 45°	20.000
		KRC250/CMH	250	E40	20,000	80	>80	1B	3,000	horizontal	20.000
		CMH250/TT	250	E40	25,000	100	>80	1B	3,000	universal	20.000
		ARC400/T	400	E40	35,000	87.5	70	2A	4,200	hor.+/- 45°	20.000
		CMH400/TT	400	E40	39,000	97.5	>80	1B	3,000	universal	20.000
	PHILIPS										
		CDO-TT	250	E40	22,500	90	85	1B	2,800	hor.+/- 5°	20.000
		HPI-T plus	250	E40	20,500	82	65	2B	4,500	hor.+/- 20°	20.000
	HPI-T plus	400	E40	35,000	87.7	65	2B	4,300	hor.+/- 20°	20.000	

* - operating on sodium control gear / *- Betrieb mit Natrium-Vorschaltgerät

Single-ended ellipsoidal metal halide discharge lamps / Einseitige Halogenmetaldampflampen

Rated voltage: appropriate control gear on 230V

Nennspannung: entsprechende Vorschaltgeräte mit 230 V

Type	Lamp type	Power [W]	Socket	Lumen output [lm]	Efficiency [lm/W]	Ra index	Ra class	Colour T [K]	Burning position	Average mortality [h]	
	OSRAM										
		HQI-E/D *	250	E40	19,000	78	90	1A	5,200	universal	20.000
		HCI-E/WDL	250	E40	24,500	100	91	1A	3,000	universal	20.000
		HQI-E/N	400	E40	34,000	90	60	2B	4,400	hor.+/- 45°	20.000
		HQI-E/N *	400	E40	40,000	94	65	2B	3,800	hor.+/- 45°	20.000
		HQI-E/D	400	E40	26,000	72	90	1A	5,500	universal	20.000
		HQI-E/D *	400	E40	34,000	81	90	1A	5,300	universal	20.000
		GE									
		ARC/D/H/960	250	E40	17,000	68	90	1A	6,000	hor.+/- 45°	20.000
		CMH/E/830	250	E40	23,500	94	>80	1B	3,000	universal	20.000
		KRC/D/960	400	E40	26,000	65	90	1A	6,000	ver.+/- 30°	20.000
		KRC/D/740	400	E40	30,500	76.25	70	2A	4,000	ver.+/- 30°	20.000
		CMH/E/830	400	E40	39,000	97.5	>80	1B	3,600	universal	20.000
	PHILIPS										
		HPI plus BU	250	E40	18,000	72	69	2B	4,500	ver.+/- 15°	20.000
	HPI plus BU	400	E40	32,500	81	69	2B	4,300	ver.+/- 15°	20.000	

* - operating on sodium control gear / *- Betrieb mit Natrium-Vorschaltgerät

MAINS VOLTAGE HALOGEN LAMPS

Single-ended mains voltage tubular halogen lamp

Rated voltage: 230 V; average mortality: 2.000h

Symbol	Power [W]	Socket	Lumen output [lm/25°]	Ra index	Ra class	Colour T [K]	Dimensions d [mm] / l [mm]
	100	B15d	1500	100	1A	2900	12,4 / 58
	150	B15d	2500	100	1A	2900	12,4 / 58
	230	B15d	4350	100	1A	2900	12,4 / 70

METAL HALIDE DISCHARGE LAMPS

Single-ended compact metal halide discharge lamps with plug-in base

Rated voltage: appropriate control gear on 230V; burning position: universal

Type	Lamp type	Power [W]	Socket	Lumen output [lm]	Efficiency [lm/W]	Ra index	Ra class	Colour T [K]	Dimensions d [mm] / l [mm]	Average mortality [h]
	Philips CDM-TM	20	PGJ5	1,650	82	85	1B	3043	17 / 52	6,000
		35	PGJ5	3,000	86	90	1A	3043	17 / 52	6,000
	OSRAM HCI-TC	20	G8.5	1,700	85	81	1B	3000	15 / 81	9,000
		35	G8.5	3,500	95	83	1B	3000	15 / 81	9,000
		35	G8.5	3,400	87	90	1A	4200	15 / 81	9,000
		70	G8.5	6,900	96	89	1B	3000	15 / 81	6,000
		70	G8.5	6,600	89	95	1A	4200	15 / 81	6,000
	GE CMH-TC	20	G8.5	1,650	83	80	1B	3000	15 / 85	12,000
		35	G8.5	3,400	97	80	1B	3000	15 / 85	10,000
		35	G8.5	3,200	91	85	1B	4,200	15 / 85	12,000
		70	G8.5	6,200	89	80	1B	3000	15 / 85	15,000
		70	G8.5	6,300	90	90	1A	4200	15 / 85	15,000
	PHILIPS CDM-TC	35*	G8.5	3,500	100	90	1A	3000	15 / 85	9,000
		35	G8.5	3,300	94	90	1A	4200	15 / 85	6,000
		70	G8.5	6,500	93	83	1B	3000	15 / 85	10,000
		70*	G8.5	7,300	104	90	1A	3000	15 / 85	12,000
		70	G8.5	5,900	84	90	1A	4400	15 / 85	6,000
	GE CMH-T	20	G12	1,650	83	80	1B	3,000	15 / 88	12,000
		35	G12	3,400	97	80	1B	3,000	15 / 88	10,000
		35	G12	3,200	91	85	1B	4,200	15 / 88	12,000
		70	G12	6,200	89	80	1B	3,000	19 / 88	15,000
		70	G12	6,300	90	90	1A	4,200	19 / 88	15,000
		150	G12	14,000	93	80	1B	3,000	98 / 19	12,000
		150	G12	13,000	99	90	1A	4,200	19 / 98	12,000
	OSRAM HCI-T	35	G12	3,600	95	83	1B	3,000	19 / 100	12,000
		35	G12	3,500	92	90	1A	4,000	19 / 100	12,000
		70	G12	7,300	100	88	1B	3,000	19 / 100	12,000
		70	G12	6,800	93	94	1A	4,200	19 / 100	12,000
		150	G12	15,000	106	88	1B	3,000	19 / 105	12,000
		150	G12	14,500	99	96	1A	4,200	19 / 105	12,000
	PHILIPS CDM-T	20*	G12	1,800	90	84	1A	3,000	20 / 103	15,000
		35	G12	3,300	94	81	1B	3,000	20 / 103	12,000
		35	G12	3,300	94	90	1A	4,200	20 / 103	6,000
		35*	G12	4,000	102	90	1A	3,000	20 / 103	15,000
		35*	G12	3,800	98	88	1A	4,200	20 / 103	15,000
		50*	G12	5,400	106	90	1A	3,000	20 / 103	15,000
		70	G12	6,600	94	84	1B	3,000	20 / 103	12,000
		70*	G12	7,300	104	90	1A	3,000	20 / 103	12,000
		70*	G12	7,750	106	90	1A	3,000	20 / 103	15,000
		70*	G12	7,500	103	90	1A	4,200	20 / 103	15,000
		70	G12	6,600	94	92	1A	4,200	20 / 103	12,000
		100*	G12	11,000	110	91	1A	3,000	20 / 103	15,000
		150	G12	14,000	93	85	1B	3,000	20 / 110	12,000
		150	G12	12,700	85	96	1A	4,200	20 / 110	12,000

* - Philips CDM-T/TC Elite

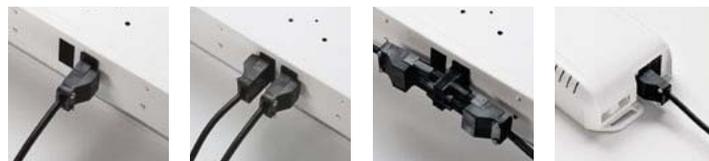
Connectors for fast installation

On request we offer different options of quick connectors for faster and simple installation. Luminaire can be equipped with lamp(s) and in combination with quick connector no need of opening the fixture is necessary.

GST quick connector



GST connector are becoming more and more used in ordinary installation. Benefits are fast and error-free installation for reduced installation costs. Line wiring is possible by ordering double GST connector or to use T adapter (order separately).



How to order:

1 x GST connector: on the end of standard code add no. 1 – example: x.xxxx.xxxx.x.1

2 x GST connector: on the end of standard code add no. 2 – example: x.xxxx.xxxx.x.2

Power cable with 'shucko' plug in



Luminaire comes already wired with 2 m cable with 'shucko' plug in

How to order:

2 m power cable: on the end of standard code add no. 3 – example: x.xxxx.xxxx.x.3

Backside connection



Special prepared housing enables easy and quick power connection from the back (upper part of the housing) into 3-pole terminal block

How to order:

Back side connection: on the end of standard code add no. 4 – example: x.xxxx.xxxx.x.4

Code definition for ballast options

The 5th number in code number define ballast options (example: x.xxxX.xxxx.x)

0 – MB – magnetic (conventional) ballast

1 – DEB DALI – dimmable electronic ballast for digital DALI protocol

2 – DEB DALI EM 1h – dimmable electronic ballast for digital DALI protocol with emergency module kit with 1h autonomy

3 – DEB 1-10V – dimmable electronic ballast for analogue 1-10V protocol

4 – EB – electronic ballast

5 – DEB DSI – dimmable electronic ballast for digital DSI protocol

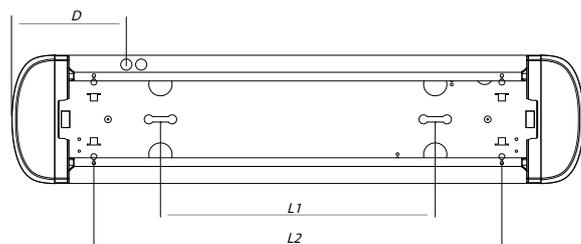
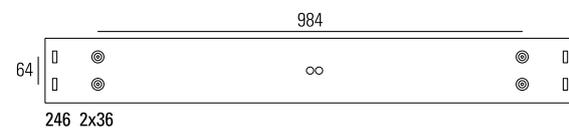
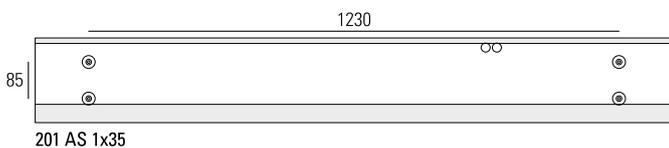
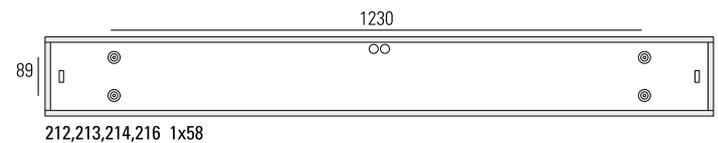
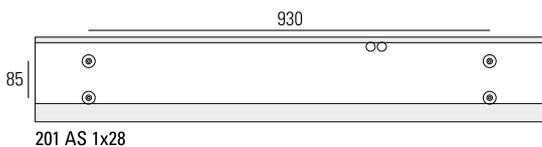
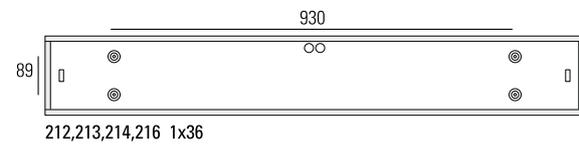
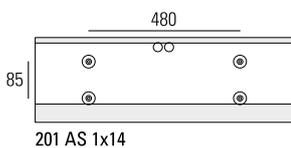
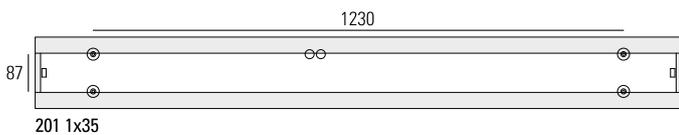
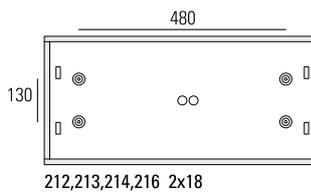
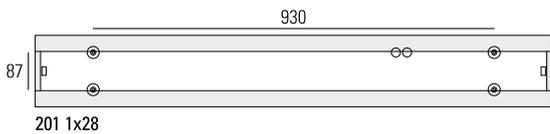
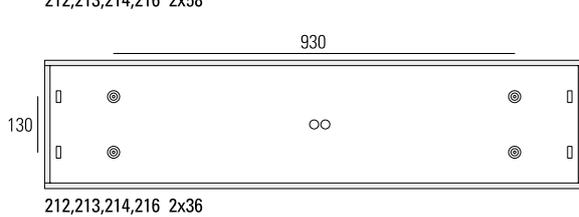
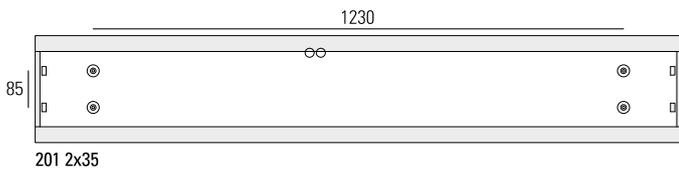
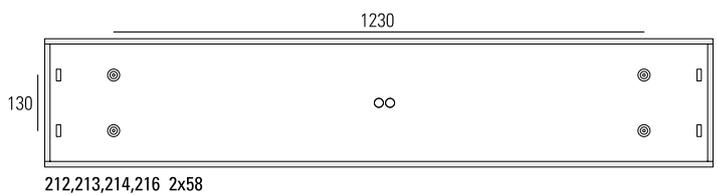
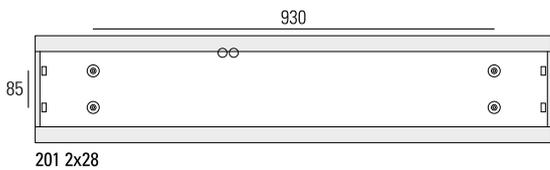
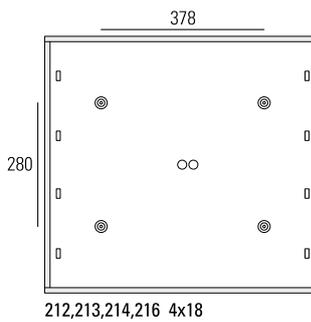
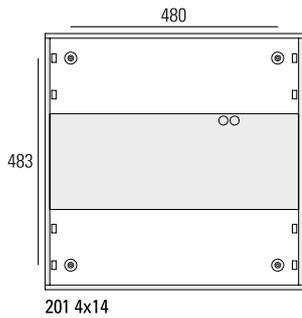
6 – MB EM 1h – magnetic (conventional) ballast with emergency module kit with 1h autonomy

7 – EB EM 1h – electronic ballast with emergency module kit with 1h autonomy

8 – DEB DSI EM 1h – dimmable electronic ballast for digital DSI protocol with emergency module kit with 1h autonomy

9 – DEB 1-10V EM 1h – dimmable electronic ballast for analogue 1-10V protocol with emergency module kit with 1h autonomy

Fixing holes dimensions and power cable entry position for surface ceiling mounting fixture

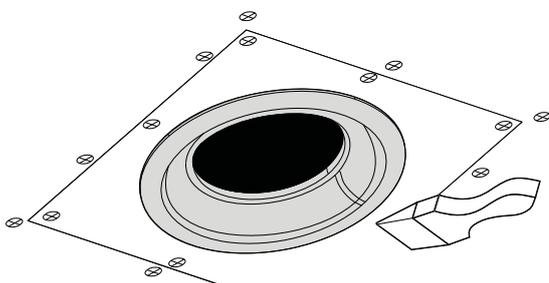
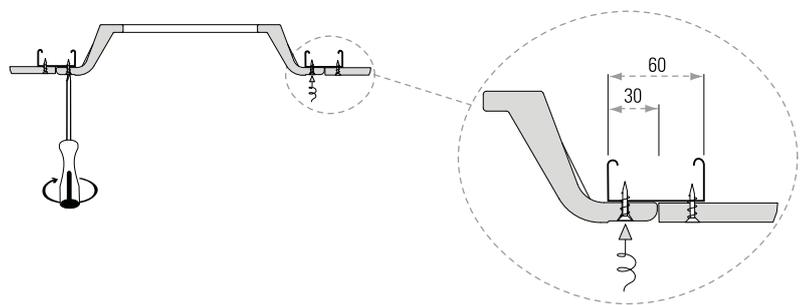
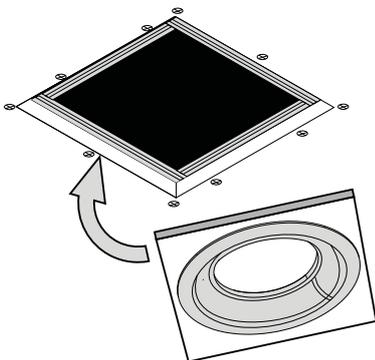
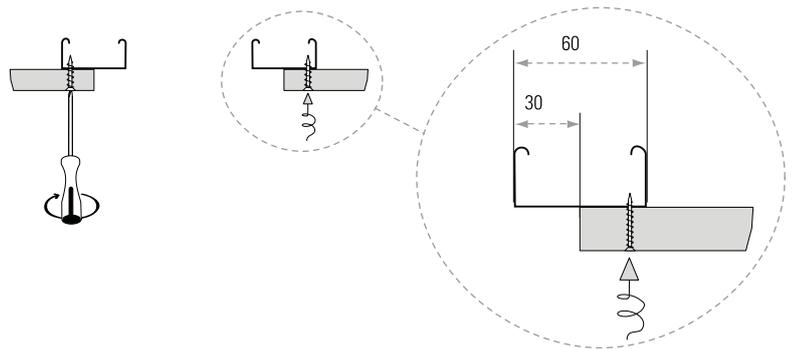
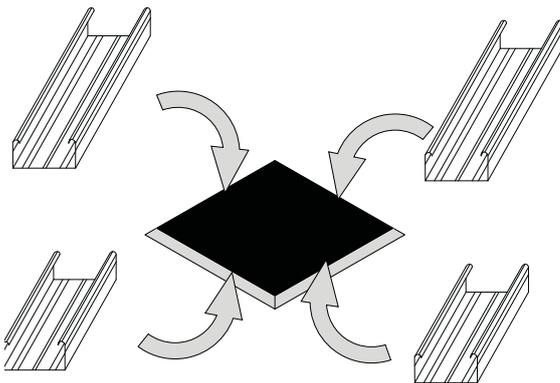
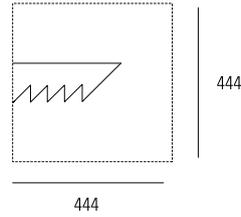
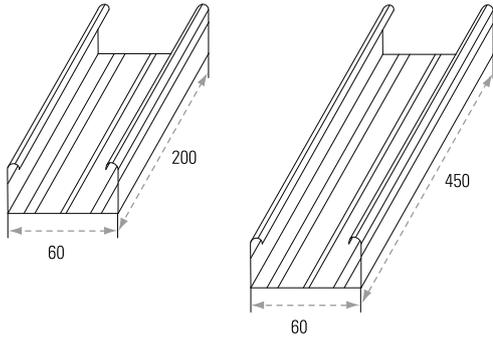
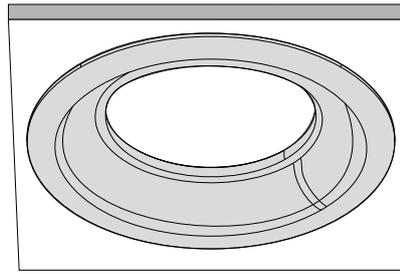
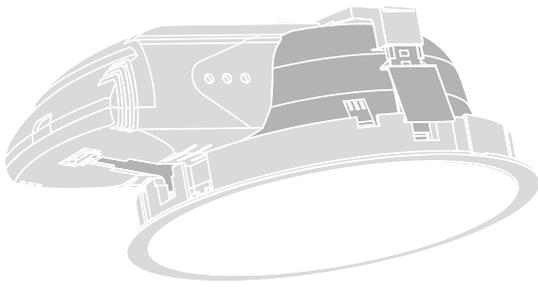


Miva / Miva line

MIVA	L1	L2	D
1/2 x 28/54	930	1080	380
1/2 x 35/49	1230	1380	380

MIVA LINE	L1	L2	D
1/2 x 28/54	930	1080	120
1/2 x 35/49	1230	1380	120

Nitor plaster accessory mounting



Ageing/lamp stabilisation:

Due to initial chemical stabilisation it is very important, that we age lamp for a period of 100 hours without switching and dimming. During this stage gases inside fluorescent tubes stabilize (mercury vapour is eventually distributed during complete length of the lamp) which result in better lamp behaviour.

Unstabilized lamps may not work correctly in terms of colour, rendering and flickering during dimming at low levels. As a consequence lamp may result with shorter service life.

Lamp orientation:

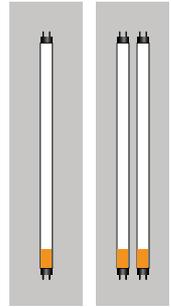
To ensure optimum lamp performance in multi-lamp systems is strongly advised to position all lamps in a correct way. Normally the lamps must have the same orientation, but in multi-lamp overlapping technology it's recommended to arrange the lamps in way that 'cool' spots and 'hot' spots are facing each other (manufacturer's lamp label - cool spot).

Classical lamp arrangement

Horizontal

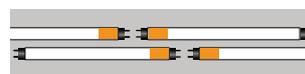
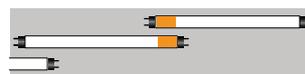


Vertical

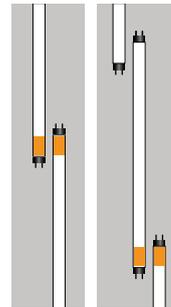


Single/ dual lamp overlapping

Horizontal



Vertical



Amalgam technology:

Not only linear fluorescent tubes are affected by this matter. In some cases right position can improve fixture efficiency also with compact fluorescent lamps. In many cases the heat is worst enemy of efficiency; lamps are affected by the heat and their lumen output is much lower than in normal room temperatures. In such cases we suggest to use lamps with Amalgam technology which emits more light at higher temperatures.

	Slovensko	Hrvatski	Srpski		Slovensko	Hrvatski	Srpski
	IP stopnja zaščite	IP stupanj zaštite	IP stepen zaštite		Bela	Bela	Bela
	CE certifikat	CE certifikat	CE certifikat		Črna	Crna	Crna
	ENEC certifikat	ENEC certifikat	ENEC certifikat		Siva	Siva	Siva
	Razred zaščite I	Stupanj zaštite I	Klasa zaštite I		Krom	Krom	Hrom
	Razred zaščite II	Stupanj zaštite II	Klasa zaštite II		Eloksirano	Eloksirana	Eloksirana
	Razred zaščite III	Stupanj zaštite III	Klasa zaštite III		Zlata	Zlatna	Zlatna
	Montaža na normalno gorljive površine	Montaža na normalno gorive površine	Montaža na normalno zapaljive površine		Prozorna	Prozirna	Prozirna
	Napajanje	Napajanje	Napajanje		Direkt / indirekt	Direktno / indirektno	Direktno / indirektno
	Napajanje	Napajanje	Napajanje		Direkt	Direktno	Direktno
	Napajanje	Napajanje	Napajanje		Indirekt	Indirektno	Indirektno
	Napajanje	Napajanje	Napajanje		Prekrivanje sijalk	Prekrivanje izvora svetla	Preklapanje izvora
	Napajanje	Napajanje	Napajanje		Ločeno prižiganje	Odvojeno paljenje	Serijski prekidač
	Potrebuje ustrezno predspojno napravo	Potrebna predspojna sprava	Potrebna odgovarajuća predspojna sprava		Hitra montaža	Brza montaža	Brza montaža
	Temperatura prostora	Temperatura okoline	Temperatura ambijenta		Vključno s svetlobnim virom	Svetiljke sa izvorom svetla	U kompletu sa izvorom svetla
	Najveća temperatura ambijenta	Maksimalna temperatura okoline	najviša temperatura ambijenta		Servisiranje brez uporabe orodja	Servisiranje bez upotrebe alata	Održavanje bez upotrebe alata
	Modul svetilke 600x600mm	Modul svetiljke 600x600mm	modul svetiljke 600x600mm		Protiprašna zaščitna folija	Folija za zaštitu od prašine	Folija za zaštitu od prašine
	Modul svetilke 625x625mm	Modul svetiljke 625x625mm	modul svetiljke 625x625mm		Vgrajen Wieland konektor	Ugrađen Wieland konektor	Ugrađen Wieland konektor
	Aluminij	Aluminij	Aluminijum		Vgrajen kabel z vtikačem	Ugrađen kabel sa utikačem	Ugrađen kabl za utikačem
	Jeklena pločevina	Čelični lim	Čelični lim		Vgrajen varnostni modul z 1h avtonomije trajni spoj	Ugrađen panik modul autonomije 1h, trajni spoj	Ugrađen sigurnosni modul sa 1h autonomije u trajnom spoju
	Aluminij / jeklena pločevina	Aluminij / čelični lim	Aluminijumski / čelični lim		Ni možna vgradnja EM modula	Nije moguća ugradnja panik modula	Nije moguća ugradnja EM modula
	Polikarbonat	Polikarbonat	Polikarbonat		Regulacijska predspojna naprava	Predspojna sprava za regulaciju	Dimabilna predspojna sprava
	PMMA	PMMA	PMMA		Višina vešal	Dužina ovjesa	Visina kačenja
	Dvojni parabolični raster, zrcalni aluminij	Dvostruko parabolični raster, sjajni aluminij	Duplo parabolični raster, sjajni aluminijum		Žarlna nitka	Test žarne niti	Test užarene niti
	Dvojni parabolični raster, satiniran aluminij	Dvostruko parabolični raster, mat aluminij	Duplo parabolični raster, satinirani aluminijum				
	Stakleni difuzor	Stakleni difuzor	Stakleni difuzor				
	Polikarbonatni difuzor	Polikarbonatni difuzor	Polikarbonatni difuzor				
	PMMA difuzor	PMMA difuzor	PMMA difuzor				
	Asimetrični aluminijasti reflektor	Asimetrični aluminijski reflektor	Asimetrični aluminijumski reflektor				
	Aluminijasti reflektor	Aluminijski reflektor	Asimetrični reflektor				

SYMBOLS EXPLANATION

	Français	Italiano	Español		Français	Italiano	Español
	Indice de protection	Classe di protezione	IP Índice de Protección		Blanc	Bianco	Blanco
	Certificat CE	Certificato CE	CE Certificado de Conformidad Europea		Noir	Nero	Negro
	Certificat ENEC	Certificato ENEC	ENEC Certificado de Normas Eléctricas Europeas		Gris	Grigio	Gris
	Classe I	Apparecchio classe I	Clase de Protección I		Chrome	Cromato	Cromo
	Classe II	Apparecchio classe II	Clase de Protección II		Anodisé	Anodizzato	Anodizado
	Classe III	Apparecchio classe III	Clase de Protección III		Couleur d'or	Dorado	Dorado
	Installation sur des surfaces normalement inflammables	Per montaggio su superfici normalmente infiammabili	Para montar en superficies normalmente inflamables		Transparent	Transparente	Transparente
	Alimentation	Alimentazione	Alimentador		Direct / indirect	Diretto / indiretto	Directo/Indirecto
	Alimentation	Alimentazione	Alimentador		Direct	Diretto	Directo
	Alimentation	Alimentazione	Alimentador		Indirect	Indiretto	Indirecto
	Alimentation	Alimentazione	Alimentador		Chevauchement des tubes	Lampade sovrapposte	Traslapo de la lámpara
	Alimentation	Alimentazione	Alimentador		Allumage séparée	Accensione separata	Cambiar por separado
	Platine livrée séparément	Necessita di alimentatore	Equipo de control requerido		Montage facile	Instalazione rapida	Rápida instalación
	Température ambiante	Temperatura ambiente	Temperatura Ambiente		Lampes incluses	Completo di lampada	Lámpara incluida
	Température ambiante maxi	Massima temperatura ambiente	Máxima temperatura Ambiente		Sans outillage	Manutenzione priva d'utensile	Mantenimiento sin herramientas
	Module 600x600mm	Apparecchio modulo 600x600mm	Embellededor 600x600mm		Film de protection	Pellicola di protezione antipolvere	Película de protección Anti-polvo
	Module 625x625mm	Apparecchio modulo 625x625mm	Embellededor 625x625mm		Connecteur Wieland encastré	Connettore Wieland incorporato	Conector Incorporado a polo a tierra
	Aluminium	Alluminio	Aluminio		Livré avec câble et connecteur	Con cavo e spina	Cable con enchufe incorporado
	Tôle d'acier	Lamiera d'acciaio	Hoja de Acero		Avec bloc de sécurité d'une autonomie de 1h	Con modulo di emergenza con 1h di autonomia, continua	Con módulo de emergencia, con autonomía de duración de 1h
	Aluminium / tôle d'acier	Alluminio / lamiera d'acciaio	Aluminio / hoja de acero		Block de sécurité ne peut pas être monté	Non adatto per il modulo di emergenza	No se puede construir con modulo de emergencia
	Polycarbonate	Policarbonato	Policarbonato		Ballast électronique gradable	Reattore elettronico dimmerabile	Balasto Electrónico Dimerizable
	PMMA	PMMA	PMMA		Hauteur de la suspension	Sospensione lunghezza	Altura de suspensión
	Optique parabolique double en aluminium brillanté	Ottica a doppia parabolica, alluminio speculare	Doble persiana parabólica, aluminio especular		Test fil incandescent	Filo incandescente	Ensayo de recodido
	Optique parabolique double en aluminium satiné	Ottica a doppia parabolica, alluminio satinato	Persiana parabólica doble, aluminio satinado				
	Verre dépoli	Diffusore in vetro	Difusor de cristal				
	Diffuseur en polycarbonate	Diffusore in polycarbonato	Difusor en polycarbonato				
	Diffuseur PMMA	Diffusore PMMA	Difusor en PMMA				
	Réflecteur en aluminium asymétrique	Riflettore asimmetrico in alluminio	Reflector en Aluminio Asimétrico				
	Réflecteur en aluminium	Riflettore in alluminio	Aluminio reflector				

	Русский	Čeština	Dansk		Русский	Čeština	Dansk
	Степень защиты IP	IP stupeň krytí	IP tæthedsklasse		Белый	Bílá	Hvid
	Сертификат CE	CE certifikát	CE Mærkning		Чёрный	Černá	Sort
	Сертификат ENEC	ENEC certifikát	ENEC Certifikat		Серый	Šedá	Grå
	Класс защиты I	Třída izolace I	Armaturlasse I		Хромированный	Chromová	Krom
	Класс защиты II	Třída izolace II	Armaturlasse II		Анодированный	Eloxovaná	Anodiseret
	Класс защиты III	Třída izolace III	Armaturlasse III		Золотой	Zlatá	Guld
	Для монтажа на поверхность нормальной степени горючести	Pro montáž na hořlavých plochách	Kan monteres direkte på brandbart materiale		Прозрачный	Čirá	Transparent
	Электропитание	Napájení	Spænding		Прямой/непрямой	Přímý / nepřímý	Direkte/indirekte
	Электропитание	Napájení	Spænding		Прямой	Přímý	Direkte
	Электропитание	Napájení	Spænding		Непрямой	Nepřímý	Indirekte
	Электропитание	Napájení	Spænding		Прикрытие ламп	Překrývající se zdroj	Lyskilde overlap
	Электропитание	Napájení	Spænding		Отдельное включение	Samostatné zapínání	2 tændninger
	Необходима соответствующая ПРА	Je potřeba předřadník	Forkoblingsudstyr kræves		Быстрый монтаж	Rychlá montáž	Hurtig installation
	Температура окружения	Okolní teplota	Omgivelsestemperaturer		Лампы включены	Včetně zdroje	Inklusive lyskilde
	Максимальная температура окружения	Maximální okolní teplota	Max. omgivelsestemperatur		Сервис без инструмента	Údržba bez nářadí	Værktøj ikke nødvendig
	модуль светильника 600x600	Modul 600x600mm	Armaturl - modul 600x600mm		Противопылевая защитная плёнка	Proti prachová ochranná fólie	Beskyttelsesfilm med støv
	модуль светильника 625x625	Modul 625x625mm	Armaturl - modul 625x625mm		Встроенный Wieland-коннектор	Zabudovaný Wieland konektor	Wieland stik
	Алюминий	Hliník	Aluminium		Встроенный кабель с вилкой	Zabudovaný kabel se zástrčkou	Ledning med stikprop
	Стальной лист	Ocelový plech	Stålblade		Встроенный аварийный модуль автономии 1 час	S nouzovým modulem, samostatnost 1h	Med nødbelysning 1 time autotest
	Алюминий/Стальной лист	Hliník / ocelový plech	Aluminium / stålblade		Невозможно встроить EM-модуль	Není možný nouzový modul	Intern nødbelysning ikke muligt
	Поликарбонат	Polykarbonát	Polykarbonat		Регулируемый электронный балласт	Stmívatelný elektronický předřadník	Elektronisk forkobling dæmpbar
	Полиметилметакрилат	PMMA	Akryl PMMA		Высота опоры	Závěsná výška	Ophængnings højde
	Двойной параболический растр, зеркальный алюминий	Dvojitá parabolická zrcadlová mřížka, hliník	Dobbeltparabolsk reflektor blank aluminium		Испытания нагретой проволокой	Žhovicí drát	Glødetråds test
	Двойной параболический растр, матовый алюминий	Dvojitá parabolická satin mřížka, hliník	Dobbeltparabolsk reflektor diffus aluminium				
	Стеклоанный диффузор	Skleněný difúzer	Glas diffuser				
	Диффузор из поликарбоната	Polykarbonátový difúzer	Polykarbonat diffuser				
	Диффузор из полиметилметакрилата	PMMA difúzer	Akryl PMMA diffuser				
	Асимметричный алюминиевый отражатель	Asymetrický hliníkový reflektor	Aluminium reflektor asymmetrisk				
	Алюминиевый отражатель	Hliníkový reflektor	Aluminium reflektor				

Quick access with URL/article name, for example:

KALIS C



Type / Typ	CG	kg	Code
1x14W T16 G5	EB	1,2	13.421x.1160.y
1x24W T16 G5	EB	1,2	13.421x.1180.y
1x21W T16 G5	EB, DEB	1,5	13.421x.1170.y
1x39W T16 G5	EB, DEB	1,5	13.421.1190.y
1x28W T16 G5	EB, DEB	1,8	13.421x.1110.y
1x54W T16 G5	EB, DEB	1,8	13.421x.1140.y
1x35W T16 G5	EB, DEB	2,2	13.421x.1120.y
1x49W T16 G5	EB, DEB	2,2	13.421x.1130.y

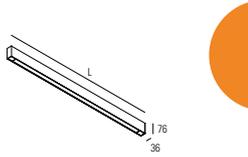
IP20

AI

230V
50Hz

850°C

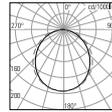
PROFILES KALIS C



Power (W)	L
1x14/24	360
1x21/28	360
1x28/34	1180
1x35/49	1480

KALIS C 1x28W

LIGHT	UGR	UGR	UGR
0,42 E	0,42 E	0,42 E	0,42 E



KALIS C seamless



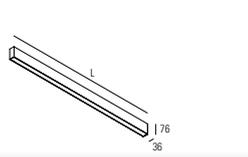
Type / Typ	CG	kg	Code
1x14W T16-D G5	EB	1,3	13.425x.1160.y
1x24W T16-D G5	EB	1,3	13.425x.1180.y
1x21W T16-D G5	EB, DEB	1,6	13.425x.1170.y
1x39W T16-D G5	EB, DEB	1,6	13.425x.1190.y
1x28W T16-D G5	EB, DEB	1,9	13.425x.1110.y
1x54W T16-D G5	EB, DEB	1,9	13.425x.1140.y
1+1x21W T16-D G5	EB, DEB	2,6	13.425x.1270.y
1+1x39W T16-D G5	EB, DEB	2,6	13.425x.1290.y
1+1x28W T16-D G5	EB, DEB	3,3	13.425x.1110.y
1+1x54W T16-D G5	EB, DEB	3,3	13.425x.1140.y

IP20

AI

230V
50Hz

850°C



KALIS C LED



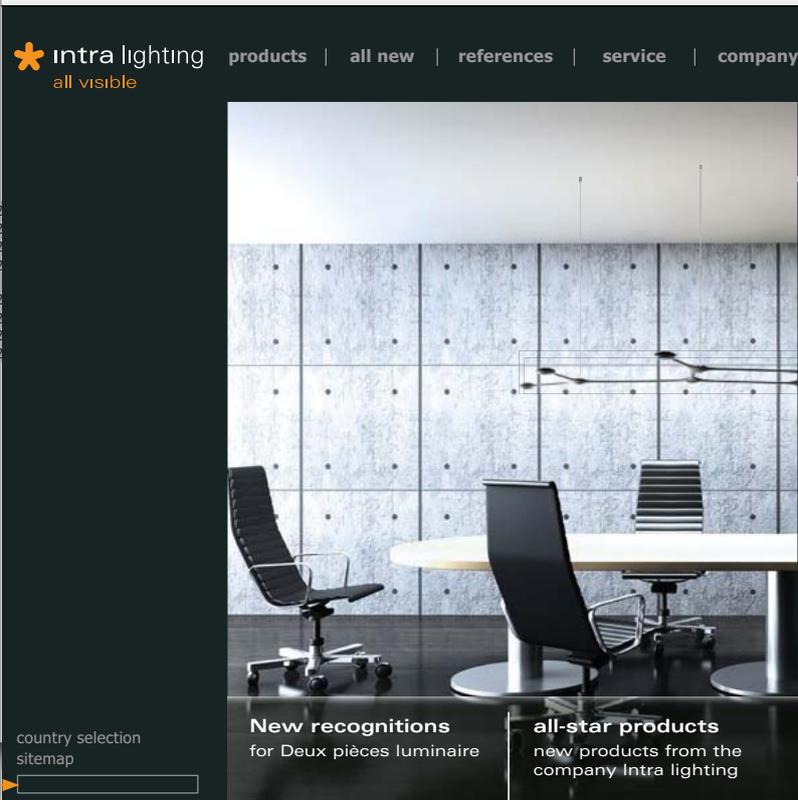
Type / Typ	LED Colour / Farbe	kg	Code
LED 900 12,5W	3500K	1,5	13.425x.1160.y
LED 1200 17W	3500K	1,8	13.425x.1180.y
LED 1800 25W	3500K	3,0	13.425x.1170.y
LED 2400 34W	3500K	3,6	13.425x.1190.y
LED 900 12,5W	4500K	1,5	13.425x.1110.y
LED 1200 17W	4500K	1,8	13.425x.1140.y
LED 1800 25W	4500K	3,0	13.425x.1120.y
LED 2400 34W	4500K	3,6	13.425x.1130.y

All LED versions are fitted with dimmable drivers (1-10V or touch-dim).
Die LED Versionen sind mit Dimmbares Vorschaltgerät (1-10V oder touch-dim).

Code definition for ballast and colour options
Code-Definition für Vorschaltgerät und Farboptionen

CG	Code (x)	Colour / Farbe	Code (y)
EB	4	White / Weiß	1
DEB - DALI	1	Anodised / Eloxiert	6
DEB - DSI	5		
DEB 1 - 10V	3		

http://www.intra-lighting.com/KALISC



country selection
sitemap

New recognitions
for Deux pièces luminaire

all-star products
new products from the
company Intra lighting

intra lighting
all visible

products | all new | references | service | company | contacts

architectural catalog
profiles
systems
LED spot
spots
pendant and wall
downlight
catalogue technical
recessed
ceiling and suspended
spots
lighting system
industrial and
floodlights
health and care
street lighting
street lighting
components
led strips

Minus
Minus Plus
Kalis
Kalis LED
Camary
Gyon
Sword
Bus

KALIS C 1x54W T16 G5 EB

info | options | photometry | download | photo ambients

Body: made of extruded aluminium: profile, anodised or white colour
End caps: made of polycarbonate, glow wire test 850° C, anodised or white finish
Diffuser: opal polycarbonate diffuser, glow wire test 850° C
Control gear: complete with electronic ballast (EB) or dimmable electronic ballast (DEB - DS/DALI/1-10V); emergency version (EM) include also battery and inverter for continuous emergency lighting for minimum 60 minutes (only for 1x36/49W or longer)
Power supply: 230V, 50Hz
Mounting: all necessary mounting accessories included
Maintenance: easy lamp replacement without tools

code	name
3.4214.1140.0	KALIS C 1x54W T16 G5 EB
3.4214.1180.0	KALIS C 1x24W T16 G5 EB
3.4214.1170.0	KALIS C 1x21W T16 G5 EB
3.4214.1190.0	KALIS C 1x30W T16 G5 EB
3.4214.1110.0	KALIS C 1x20W T16 G5 EB
3.4214.1140.6	KALIS C 1x54W T16 G5 EB
3.4213.1120.0	KALIS C 1x36W T16 G5 EB
3.4214.1130.0	KALIS C 1x49W T16 G5 EB

contacts

Even

New release:
Company profile

KONTAKTI
ZA PRODAJU

info | options | photometry | download | photo ambients

code name weight

3.4214.1140.6	KALIS C 1x54W T16 G5 EB anodised	1,8 kg
3.4215.1140.6	KALIS C 1x54W T16 G5 DEB-DSI anodised	1,8 kg
3.4211.1140.6	KALIS C 1x54W T16 G5 DEB-DALI anodised	1,8 kg
3.4213.1140.6	KALIS C 1x54W T16 G5 DEB 1-10V anodised	1,8 kg
3.4214.1140.1	KALIS C 1x54W T16 G5 EB white	1,8 kg
3.4215.1140.1	KALIS C 1x54W T16 G5 DEB-DSI white	1,8 kg
3.4211.1140.1	KALIS C 1x54W T16 G5 DEB-DALI white	1,8 kg
3.4213.1140.1	KALIS C 1x54W T16 G5 DEB 1-10V white	1,8 kg

info | options | photometry | download | photo ambients

data sheet
declaration of conformity
Installation Instruction
Photometric LDT

info | options | photometry | download | photo ambients

Lamp

Light output ratio

LOR	35,9%
LOR ₀	5%
CLOR	35,9%

UGR values

X=4H, Y=B1	S=0,25H
Radiant class	75/60/23
UGR - trapezoidal	21,9
UGR - longitudinal	35,4

Classification

82	82 4
GTE	0,26 E
01%	A30
CIE	49, 61, 95, 100, 35

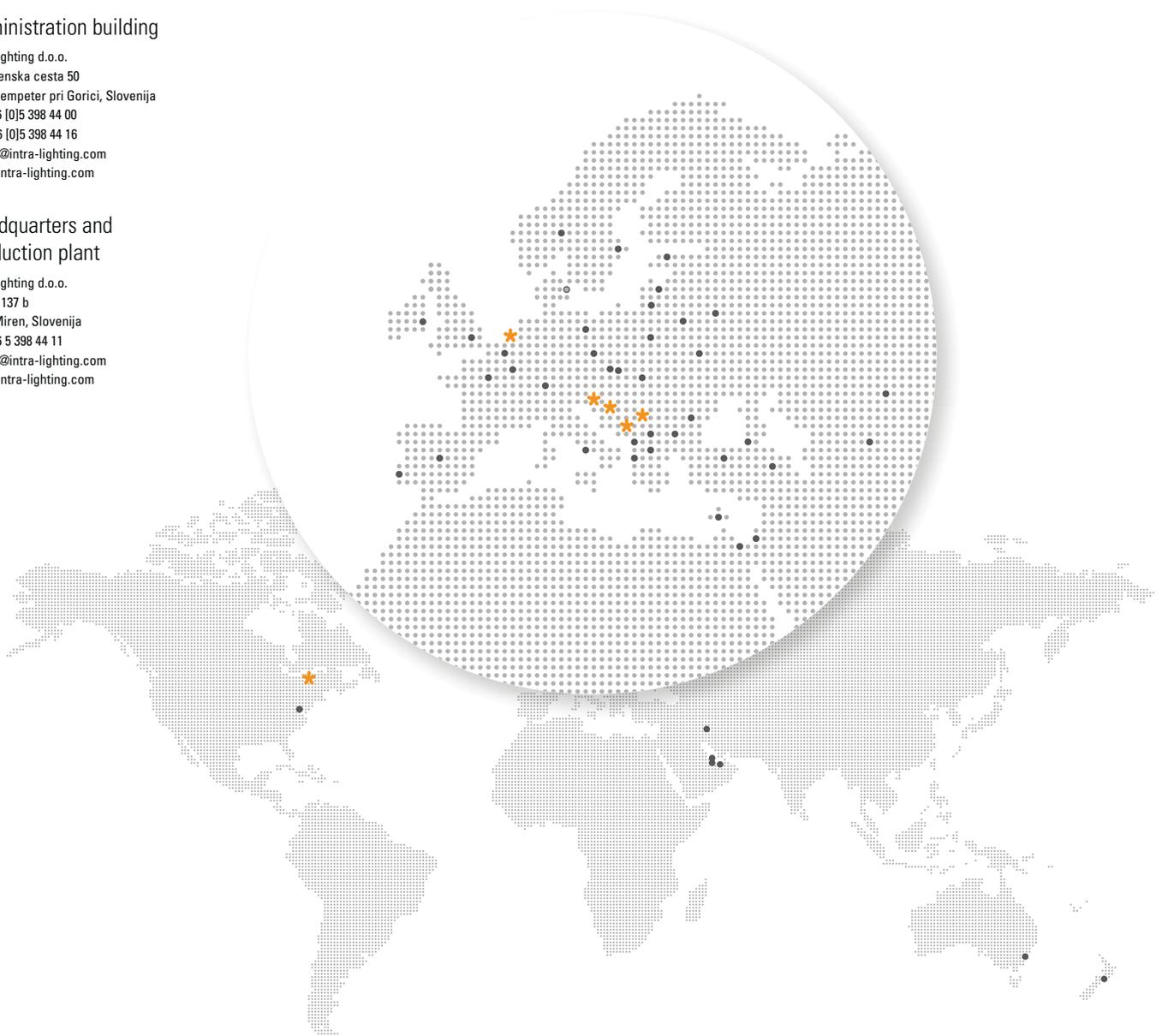
Download

Administration building

Intra lighting d.o.o.
Vrtojbenska cesta 50
5290 Šempeter pri Gorici, Slovenija
T: +386 [0]5 398 44 00
F: +386 [0]5 398 44 16
E: info@intra-lighting.com
www.intra-lighting.com

Headquarters and Production plant

Intra lighting d.o.o.
Miren 137 b
5291 Miren, Slovenija
T: +386 5 398 44 11
E: info@intra-lighting.com
www.intra-lighting.com



Offices

BOSNIA AND HERZEGOVINA

Intra lighting d.o.o.
Hasana Brkića 30
71000 Sarajevo, Bosna i Hercegovina
T: +387 33 642 841
F: +387 33 642 841
E: info.ba@intra-lighting.com

CROATIA

Intra lighting d.o.o.
Production plant
Moslavačka 28
43240 Čazma, Hrvatska
T: +385 43 227 100
F: +385 43 227 111
E: info.hr@intra-lighting.com

NETHERLANDS - BENELUX

Intra lighting Benelux B.V.
Gildenstraat 26
4143 HS Leerdam, Nederlands
T: +31 345 623 678
F: +31 345 633 688
E: info.nl@intra-lighting.com

SERBIA

Intra lighting d.o.o. Beograd
Otona Župančiča 32b
11070 Novi Beograd, Srbija
T: +381 11 269 8 476
F: +381 11 269 8 477
E: info.rs@intra-lighting.com

CROATIA

Intra lighting d.o.o.
Production plant
Ogranak proizvodnja rasvete
Mosna BB
19220 Donji Milanovac, Srbija
T: +381 30 250 08 00
F: +381 30 250 01 12

NORTH AMERICA

Intra lighting North America
T: 1.888.560.5885
E: info.ca@intra-lighting.com
info.us@intra-lighting.com

Showrooms

CROATIA

Intra lighting Studio
Ulica grada Vukovara 269d
10000 Zagreb, Hrvatska
T: +385 1 6389 141
F: +385 1 6389 139
E: info.zg@intra-studio.eu

SLOVENIA

Intra lighting Studio
PTC Diamant, BTC, Letališka 5
1000 Ljubljana, Slovenija
T: +386 1 547 65 08
F: +386 1 54 76 578
E: info.lj@intra-studio.eu



Witteveen Projectinrichting
Ouderkerk a/d Amstel
Tel: 020 - 496 5030
Fax: 020 - 496 3052
info@witteveen.nl
www.project-inrichting.nl
www.ergonomics.nl

More information on Intra lighting partners are available on:



www.intra-lighting.com/contacts



www.intra-lighting.us/contacts