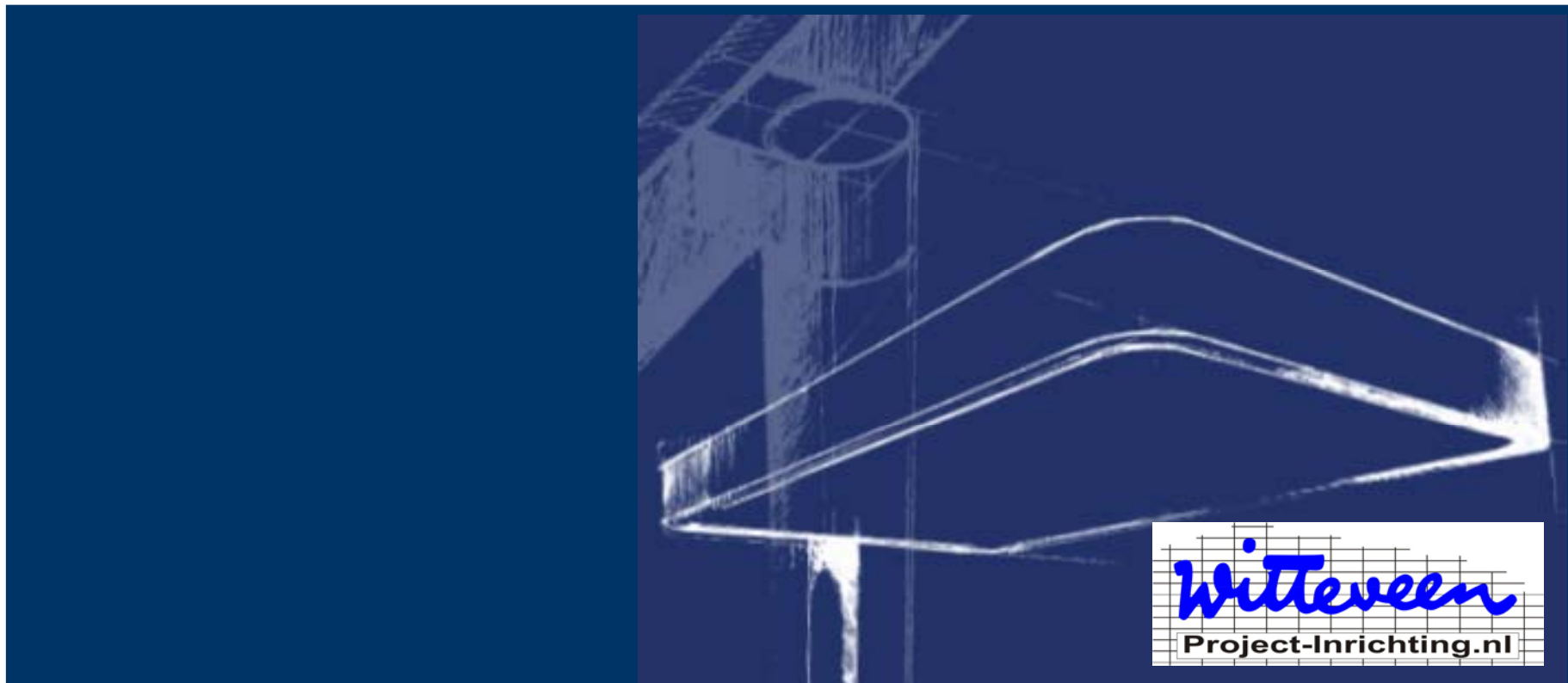


An enterprise of the
WALDMANN GROUP

Waldmann **W**
ENGINEER OF LIGHT.

INDIRECT LIGHTING SERIES ATARO



ATARO

**DESIGN, ENGINEERING SKILL AND LIGHTING TECHNOLOGY
AT EYE LEVEL**



Indirect lighting series ATARO



ATARO – CUSTOMER BENEFITS

CUSTOMER BENEFITS AT A GLANCE

- High lighting quality
- High energy efficiency
- High performance capability
- Design, material, technology, variants

ATARA – CUSTOMER BENEFIT OF LIGHTING QUALITY

LIGHTING QUALITY

- High brightness level on the desk surface
- Good illumination of room due to high indirect light portion
- Glare-free from a variety of viewing angles



ATARA – CUSTOMER BENEFIT OF ENERGY EFFICIENCY

ENERGY EFFICIENCY

- ❑ 30% lower energy requirement compared to existing solutions
- ❑ Additional 50% energy savings potential through PULSE sensors



ATARA – CUSTOMER BENEFIT OF ENERGY EFFICIENCY

ENERGY EFFICIENCY

- ❑ Approx. 10% higher efficiency (74%) compared to conventional systems
- ❑ Energy-optimized product – important contribution to CO₂ reduction
- ❑ Certified variants in accordance with MINERGIE requirements



ATARO – PERFORMANCE CAPABILITY

PERFORMANCE CAPABILITY

- Operating element easy to reach
- Intuitive user guidance – clear allocation of functions
- Simple assembly, cleaning, and maintenance
- Integration or attachment to furniture possible
- Easy placement at the work place
- High structural stability
- Safety through certification and external testing
(ENEC, MINERGIE...)



**ATARO –
CUSTOMER BENEFIT OF DESIGN**

**DESIGN, MATERIAL, COLORS,
VARIANTS**

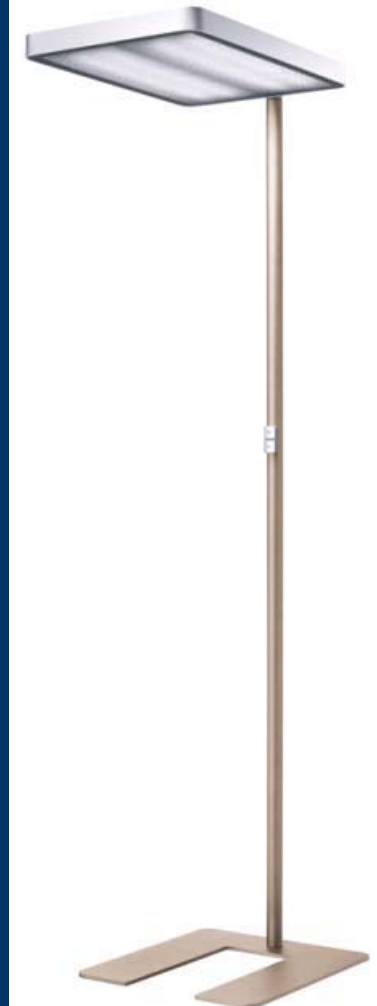
- Unobtrusive style
- Premium materials
- Functional, aesthetically appealing surfaces



ATARO – PRODUCT PROPERTIES

BASE

- Positioning under desk containers possible
 - Flat steel plate, 10 mm high
- Easy integration on the desk
 - Recess wider and deeper compared to existing solutions
- Surface is scratch and abrasion-resistant
 - Surface powder-coated or wet-painted in multiple layers
- Shape adjusted to the luminaire head



ATARO – PRODUCT FEATURES

TUBULAR SECTION

- ❑ Minimum tube diameter
 - ❑ Round contour (35 mm diameter)
- ❑ High dimensional stability
 - ❑ Premium steel
- ❑ Ability to pivot the luminaire head by $\pm 45^\circ$
 - ❑ The tubular section/luminaire head interface is formed by a support arm that can be pivoted in the tubular section and is made of high-strength plastic material
- ❑ Length adjusted to system height 1,900 mm
- ❑ Surface is scratch and abrasion-resistant
 - ❑ Surface powder-coated or wet-painted in multiple layers



ATARO – PRODUCT FEATURES

OPERATING ELEMENT

- Pushbutton element is integrated in the tubular section
(applies to all variants)
- Convenient operation
 - Easy-to-reach, ideal positioning
 - Symbols ensure intuitive operation
 - Simple level control
 - Large switch elements
- Premium, aluminum-coated switch surface
- Can be connected to switched power sockets
- Intelligent system (electronics) is integrated in the tubular section



ATARO – PRODUCT FEATURES

LUMINAIRE HEAD

- Simple assembly
 - Slide chassis on the support arm
 - Establish power connection
 - Connect switch element
 - Click aluminum frame, including prismatic screen, in place
- Level compensation
 - Detailed adjustment, height alignment / tilt angle of the luminaire head is adjustable



ATARO – PRODUCT FEATURES

LUMINAIRE HEAD

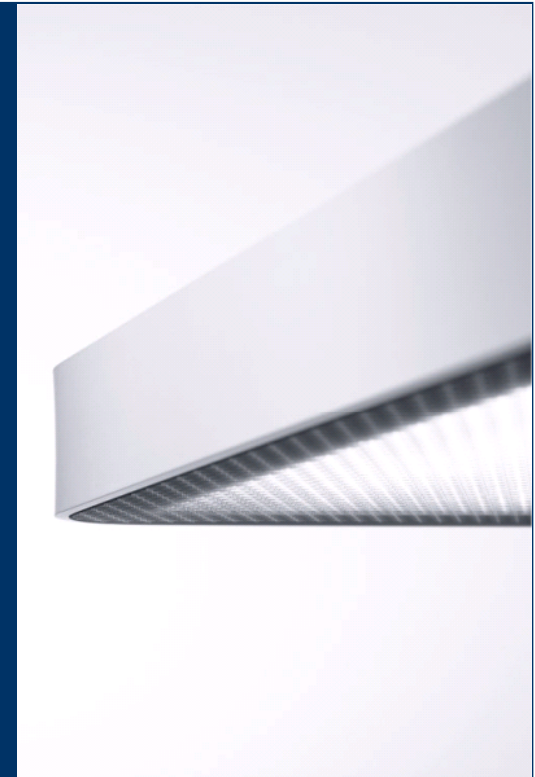
- ❑ Simple cleaning and maintenance
- ❑ High-tech chassis – connection of the sheet metal elements by clinch fastening



ATARO – PRODUCT FEATURES

LUMINAIRE HEAD

- Cubic forms
- Design and haptics suited for materials used
- The design has been reduced to the essential
- Closed aluminum frame, rounded at the edges



ATARO – PRODUCT FEATURES

LUMINAIRE HEAD

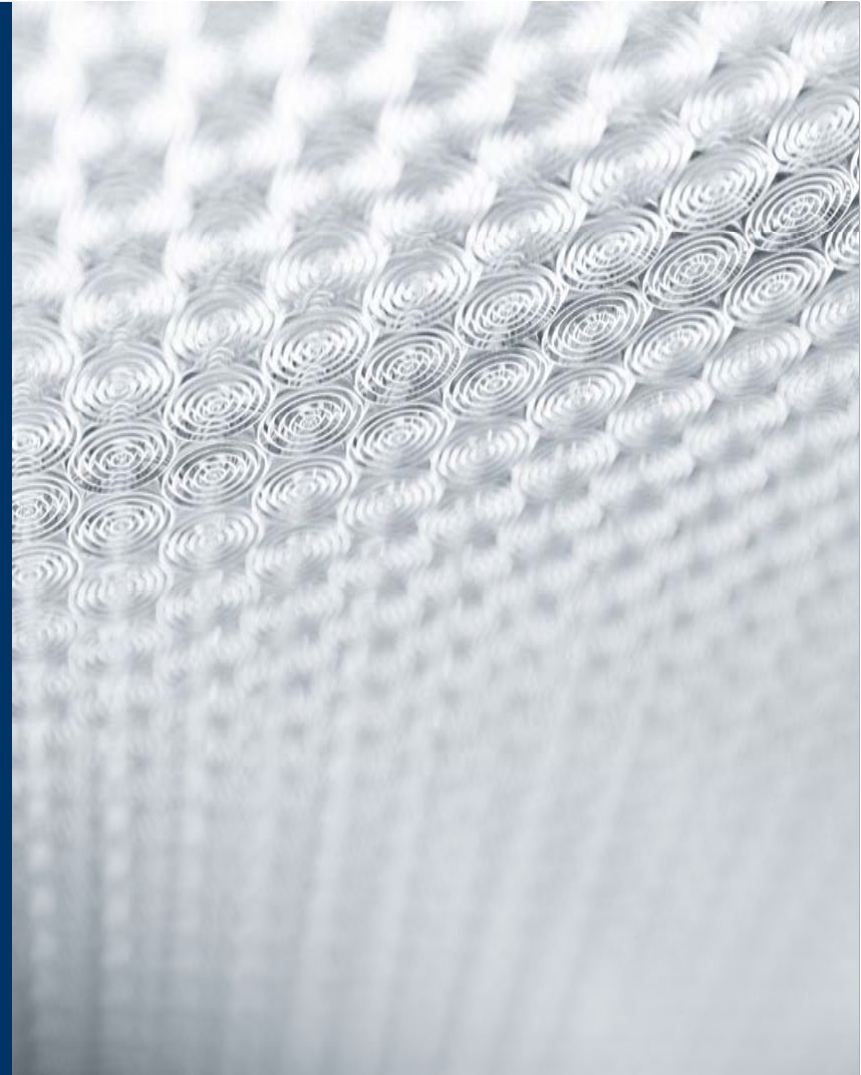
- ❑ Continuous luminous area
- ❑ Technology and components are hidden by a “masking” applied to the prism disk



**ATARO –
PRODUCT FEATURES**

**GLARE
SUPPRESSION – AMBIO** 

- Material: opaque PMMA
- Material strength: 3 mm
- Microprism structure



**ATARO –
PRODUCT FEATURES**

**GLARE
SUPPRESSION – AMBIO 
THE ADVANTAGE**

High lighting quality with
30% lower power consumption
(installed power) and
higher efficiency
(compared to conventional solutions)



**ATARO –
PRODUCT FEATURES**

**GLARE
SUPPRESSION – AMBIO 
THE ADVANTAGE**

- Lamps with wattage of 40W are sufficient!



ATARO – PRODUCT FEATURES

LIGHT MANAGEMENT SYSTEMS PULSE HFMD AND PIR

- ❑ Light sensor and presence detector
- ❑ Energy savings potential up to 50%
- ❑ Connection to LON, KNX building management systems





ATARO – PRODUCT FEATURES

ATARO – OVERVIEW OF PRODUCT FEATURES

- Operating element
 - Intuitive operation
 - Electronic switch
 - Easy to reach

- Simple cleaning and maintenance
 - Aluminum frame can be removed

ATARO – PRODUCT FEATURES

ATARO – OVERVIEW OF PRODUCT FEATURES

- ❑ Glare-free material **AMBIO** 
- ❑ 30% lower energy requirement compared to conventional solutions
- ❑ High lighting quality
- ❑ Exclusively from Waldmann
- ❑ Unique appearance



ATARO – PRODUCT FEATURES

ATARO – OVERVIEW OF PRODUCT FEATURES

Premium design

- Closed aluminum frame, rounded at the edges
- Chassis concept
- Masked AMBIO prismatic screen
- Opaque AMBIO screen

Light management system

- Light sensor and presence detector PULSE HFMD
- Light sensor and presence detector PULSE PIR
- Connection of PULSE HFMD to KNX, LON



ATARO – PRODUCT FEATURES

ATARAO – VARIANTS, TYPES, COLORS

Types

- Free-standing luminaires 2x40W, 4x40W
- Table-adapted luminaires 2x40W, 4x40W

Technical variants

- Switchable, dimmable, DALI
- Light sensor and presence detector PULSE HFMD or PIR
- Connection of PULSE HFMD to KNX, LON



ATARO – PRODUCT FEATURES

ATARAO – VARIANTS, TYPES, COLORS

Lighting technology

- Efficiency: 74%
- Direct light portion: 30%
- Glare limitation: According to DIN EN 12464-1 requirements

System output

- 2x40W free-standing luminaire, table-adapted luminaire: 83W
- 4x40W free-standing luminaire, table-adapted luminaire: 165W



ATARO –
VARIANTS

ATARAO – VARIANTS, TYPES, COLORS

- Luminaire colors
 - White
 - Bronze

- Accessories
 - Table clamp for table-adapted luminaires
 - Data cable and mains cable for PULSE KNX, LON

THANK YOU
VERY MUCH



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