

# Waldmann **W**

ENGINEER OF LIGHT.

NORTH AMERICA OFFICE | ARCHITECTURAL | FREE-STANDING LUMINAIRES



# LOOKING TO THE FUTURE AND CREATING PERSPECTIVES.

## SUSTAINABLE CONSTRUCTION REDUCES FUTURE MAINTENANCE.

The efficient use of resources as well as responsible planning and construction are increasingly important for our future.

As the Engineer of Light, we use enhanced lighting concepts to ensure we use our resources responsibly.

Waldmann takes the initiative. Saving energy alone is not enough. Multidimensional concepts and components are required for efficient lighting design.

We consider the entire lifecycle of our solutions. This includes all phases from the development to the disposal, with the goal of using an integrated approach to maintain the balance of energy efficiency and lighting comfort.

The primary goal of sustainable lighting is quality. Sustainable luminaires are energy efficient, environmentally friendly and resource-friendly. They improve the lighting environment of the workplace and are proven to boost employee performance.

The quality label **efficient light** is awarded to energy-optimized Waldmann products with very high lighting quality.

**efficient light** products use electronic ballasts, as well as efficient fluorescent lamps or LED modules. The luminaire efficiency of the free-standing luminaires is at least 70%. Consumption when in standby is limited to a maximum of 1 Watt for sensor-controlled luminaires.

Green, flexible solutions by Waldmann offer:

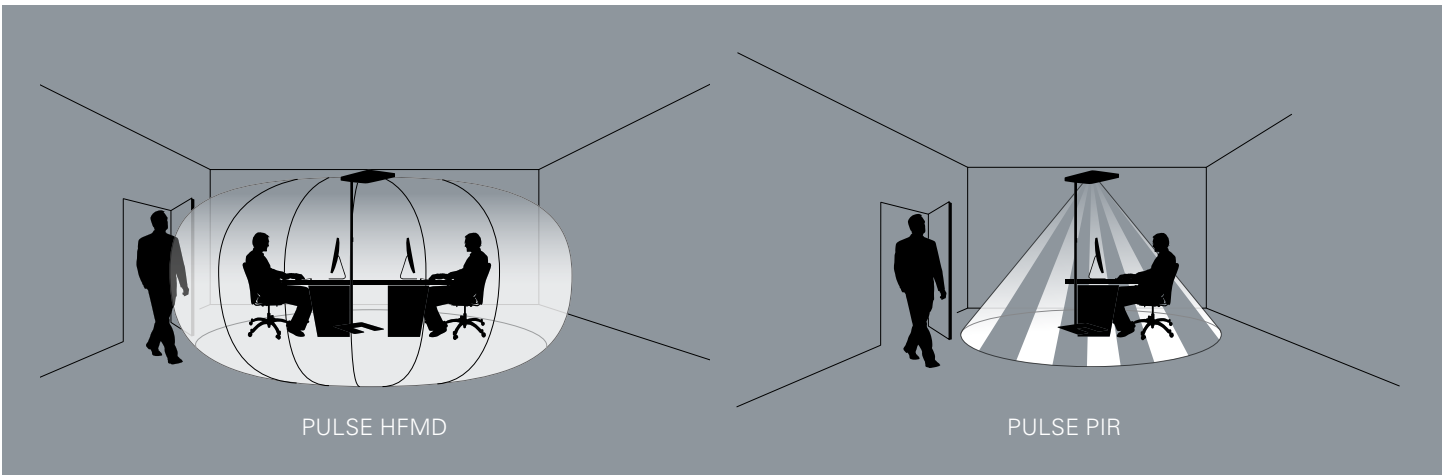
- Low power consumption in watts / square foot
- Integrated and intelligent lighting management
- High flexibility
- Variable use in cubicles or open-plan rooms
- High acceptance among users or tenants
- Consideration of individual user requirements
- Simple interfaces

Waldmann documents sustainability by:

- The use of high-quality materials
- Designed for lasting usage and improved recyclability of materials
- Low power consumption in operation and in stand-by mode
- Five-year project system guarantee
- Minergie product certificate
- High value stability
- Long product life
- High visual comfort
- Flexibility and adjustability



efficient *light*



# STATE OF THE ART

## WALDMANN LIGHT MANAGEMENT SYSTEMS

Office efficiency – cutting costs, increasing productivity. The Green office is gaining popularity in office buildings.

Light plays an important role here. "Green" lighting is an unexpected way to protect resources and save energy. It directly affects the lifecycle costs and thus the attractiveness of the property.

Energy-reducing technologies with modern sensor systems and intelligent controls enable energy saving on a whole new level. Waldmann light management systems ensure that free-standing luminaires are only switched on if the sensor registers a presence in the room and the daylight is no longer sufficient. Waldmann has developed the unique sensor system PULSE HFMD (High Frequency Motion Detector). This technology detects even the smallest movements within a definable field. Accordingly, lights fitted with PULSE HFMD only switch on when someone enters the room and automatically switch off when they leave the room. Furthermore, the sensor regulates the amount of lighting based on the level of daylight. The users hardly notice the luminaires being switched on and off because the light is slowly brightened and dimmed.

The intelligent light management system not only saves energy, but the lower

operating times increase the life of the fluorescent lamps and extend the maintenance intervals.

Further saving potential is realized by interfaces to other systems (blind systems, heating, ventilation and air conditioning). In combination with KNX or LON components, Waldmann's sensor-controlled free-standing luminaires become part of an intelligent building and exchange information with other systems. Additional modules or custom-built products are not necessary. Optionally, Waldmann free-standing luminaires can also be fitted with the passive infrared sensor PULSE PIR.

Waldmann lighting concepts offer:

- Requirements-oriented direct procurement
- Low assembly costs
- Low operating costs thanks to integrated intelligence, daylight and presence sensors that are "Made by Waldmann".
- Interfaces to other facilities via bus systems (KNX, LON)
- Over a decade of experience in the development, manufacture and planning of lighting management systems



KNX = open standard for home and building control

LON = Local Operating Network

Waldmann is a member of the DALI workgroup



You can find more information on light management and the building management systems at [www.waldmann.com](http://www.waldmann.com) "Architectural lighting/Topics."



# ATARO HYBRID

## HIGH-TECH x 2



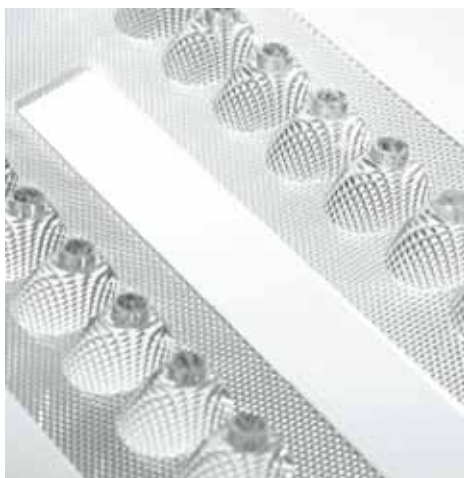
Two very modern light sources are combined in this new product to enable a brand-new lighting quality with amazing quality features. High-quality, high-output T5 LS lamps generate a pleasant, indirect room lighting and energy efficiency at a mere 146-watt installed. High-power LEDs with special lenses provide glare-free direct light to illuminate large working areas.

ATARO HYBRID is packed full of new ideas. It makes use of the positive properties of various lighting technologies and combines them in one complete system.

The separation of room and work area lighting takes into account energy usage and individual needs. The option of asymmetric distribution for both the indirect and direct lighting components offers new possibilities for positioning the luminaire at the workplace.

The direct beam is asymmetric, ensuring that the light is precisely where it needs to be. High lighting comfort is also supported by the separate, individual adjustability of indirect and direct lighting.

- Pleasant room lighting from T5 LS lamp technology
- HIGH-POWER LED with special lenses to illuminate large working areas
- Glare-free and activating LED direct light
- Asymmetric beam, light in the right place
- Can be integrated in various workplace concepts



### Control, disperse and reduce the glare of LED light

An engineering feat of brilliance: PMMA prismatic screen combined with collimators – developed by the Engineer of Light.

### Double the Control

Saves energy and is easy to operate: Direct and indirect light are separately switchable and dimmable.

### Strikingly unique

Four LED components direct the LED light to where it is most needed. Their design emphasises the special character of this luminaire.

# ATARO

## LIGHT WITH A SENSE OF FAMILY

ATARO is not just a light. ATARO is a complete lighting system. ATARO represents a unique idea: intelligent engineering and high-quality design are combined in one luminaire.

With its unobtrusive style and premium materials ATARO makes a clear statement of maximum aesthetics, material quality and novel, intuitive design as well ease of operation. In addition, ATARO, with its state-of-the-art technology and unique light management system, is also the new light form when it comes to energy efficiency.

Due to its innovative AMBIO glare-free technology, ATARO produces a lighting quality that outshines all conventional indirect luminaires, using 30% less energy.

- Timelessly sophisticated design
- Superior glare control with AMBIO optic
- Direct-Indirect light distribution
- Maximum light efficiency
- Easy operation
- Options include: free-standing, desk mounted, wall-mounted or suspended luminaires



- Technical flexibility: switchable, dimmable, light management, connection to DALI or building management systems.

- Two or four compact fluorescent lamps
- \*AMBIO is a new glare-free technology. Exclusively by Waldmann. The heart and soul of AMBIO is a prism disk with a surface consisting of numerous micro prisms. The result: no direct glare and no reflections on the monitor.



### Saves maintenance time

Time is money. For convenient and fast cleaning, the frame and microprism panel can be easily removed without tools.

### Self-explanatory operation

Ideal position in the pole. Easy to reach when sitting or standing. Clear assignment of functions. Easy and understandable explanations.

### Impressive variety of models

A design range for a wide variety of applications. In addition to several free-standing models, desk-mounted, wall and pendant luminaires complete the ATARO family.





# TYCOON

## THE INTELLIGENCE OF LIGHTING



Waldmann's TYCOON combines intelligent and innovative technology, efficient lamping and contemporary design. With its clear form and uniform appearance the TYCOON luminaire can be subtly and discreetly integrated in any kind of architecture. The direct/indirect luminaires combine the efficiency of direct lighting with the pleasant ceiling illumination of indirect light.

- Clear, cubic design
- The microprism panel with a surface consists of numerous microprisms to ensure glare-free and even illumination of the workplace
- Easy operation
- Highly economical
- Integrated daylight and presence sensor PULSE HFMD or PIR
- Connection to DALI or building management systems KNX/LON
- A high level of proven energy efficiency
- Awarded the Minergie Label (CH) for low energy consumption
- A wide range of variants: free-standing, desk mounted, wall, surface-mounted and suspended luminaires.
- Two or four compact fluorescent lamps
- Also available with T5 lamp options



### Easy cleaning and maintenance

The sides can be detached without tools and the perforated panel can be removed.

### Flexible desk mounting

Saves space and costs. Integrative, varied options for mounting on furniture.

### Brilliant efficiency

High light output with a luminaire efficiency of more than 90%. Particularly suitable for workplace-oriented concepts with a target energy consumption of < 10 W/square metre.

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