



Waldmann **W**

ENGINEER OF LIGHT.



SEE THINGS DIFFERENTLY.
LED LIGHTING FOR MANUFACTURING FACILITIES.

Industrial LED Facility Lighting



Waldmann Lighting's family of assembly and machinery luminaires offer the right light where it matters most.



TAMETO.

QUALITY AND VERSATILITY FOR ERGONOMIC WORKSTATION LIGHTING.



TAMETO workplace-system luminaires at a glance:

- LED technology or T5 fluorescent lamp options
- Glare-free and flicker-free light
- 4000K neutral white color temperature
- Service life of up to 50,000 hours (LED) or 24,000 hours (T5) and more
- Up to 60% energy savings and up to 40% higher illuminance*
- Fixed or suspended connection options
- Sealed design for protection from outside elements
- Sturdy aluminum housing
- ETL/cETL approved
- Protection Rating: IP20

**Compared to conventional compact fluorescent lamps*

Assembly work demands high quality lighting. The new TAMETO family of LED luminaires offers an exceptional, efficient solution with a wide range of variations for optimum light in assembly areas.

High quality lighting

Light output is generated along the entire length of the luminaire without any dark areas. High-quality diffusers control glare and reflections on glossy surfaces. Subtle, evenly-dispersed, flicker-free light reduces eye strain and improves productivity.

Wide variety of options

The TAMETO family offers different lengths and light intensities for optimum integration into the assembly workstation. TAMETO can be attached directly to a truss system or suspended above the workstation. The height-adjustable suspended luminaire is ideal for quick and simple adjustment.

High-quality LED technology

Thanks to advanced LED technology and intelligent thermal management, TAMETO LED luminaires achieve significant energy savings compared with conventional lighting solutions. And their long service life guarantees up to 50,000 or more hours of maintenance-free operation.





TANEO. THE OPTIMAL LIGHT FOR MULTITASKING.

TANEO is a sophisticated LED lighting solution designed to provide premium performance for a myriad of task lighting applications. And with two mounting styles and three available output levels, TANEO can easily fulfill any luminance

requirement. With high quality lighting and ergonomic handling, it is ideal for assembly, laboratory or quality control settings, as well as manufacturing, electronic or metalworking environments.



TANEO system luminaires at a glance:

- 12, 24 or 36 x LED
- Power consumption 13W, 26W or 37W
- 4000K or 5000K color temperature available
- Glare-free - translucent or clear prismatic lens
- Anodized aluminum housing
- Spring-balanced arm with 3D head joint
- Touch panel integrated in the luminaire head for on/off switching and dimming
- Wall power supply (13W) or table power supply (26W and 37W)
- 100–240V, 50/60Hz
- 10-foot cord
- ETL/cETL approved
- Arm- and truss-mounted models available
- Protection Rating: IP20



Efficient and task-oriented output levels

Whatever the version, TANEQ is always energy-efficient, consuming 30% less energy when compared to conventional task luminaires with the same luminous power. The smaller, 1400 lux model uses only 13W of energy consumption, while the larger 2600 lux and 3600 lux versions use 26W and 37W respectively, including the power supply.

High quality lighting LED lighting technology

Choice of light output, color temperature and lens configuration offer clear, glare-free lighting, relieving eyestrain and further benefiting the user.

Assembly work is very precise and detailed in nature and lighting can be one of the most important tools of all. The high color rendering index (CRI) of 85 (with the clear, prismatic lens) and 90 (with the translucent lens) generates superb color rendition. TANEQ also has dimming capabilities of 100% down to 10% of the total light output, adjusting to a specific task with ease.

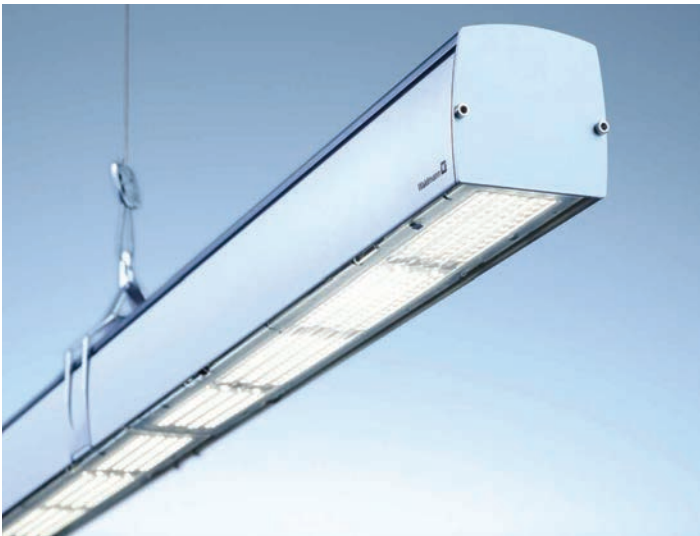




TAUREO. MODULAR LIGHTING SYSTEM.

Introducing TAUREO — Waldmann's new LED facility lighting system for ceilings up to 20 feet, TAUREO is designed for flexible, modular installation either independently, in a continuous row across a large area, or anything in between. Using a pre-installed mounting grid, this method significantly reduces installation time by

approximately 50 percent and drastically minimizes subsequent maintenance or remodeling times. Ballasts and light modules can be installed in advance to save time and money. For further customization, accessories such as daylight- and presence-sensors or emergency lighting can easily be integrated.



TAUREO LED modular facility lighting at a glance:

- Up to 75% energy savings with daylight and presence sensors*
- Maintenance free: LED service life of up to 50,000 hours
- Maximum flexibility due to modular construction
- Ideal for ceiling heights up to 20 feet
- 200 LEDs per light module
- Power consumption 31W or 37W depending on model
- Net lumen package 3300 or 4000 lumens
- Operating temperature: -13°F to 104°F (at 3300 lumens)
- Color temperature: warm white 3000K, neutral white 4000K, or daylight white 6500K
- Continuously dimmable 1-10V or DALI standard
- Protection Rating: IP20 for fixture, IP40 for grid system
- Optional DALI daylight control and presence sensor technology available

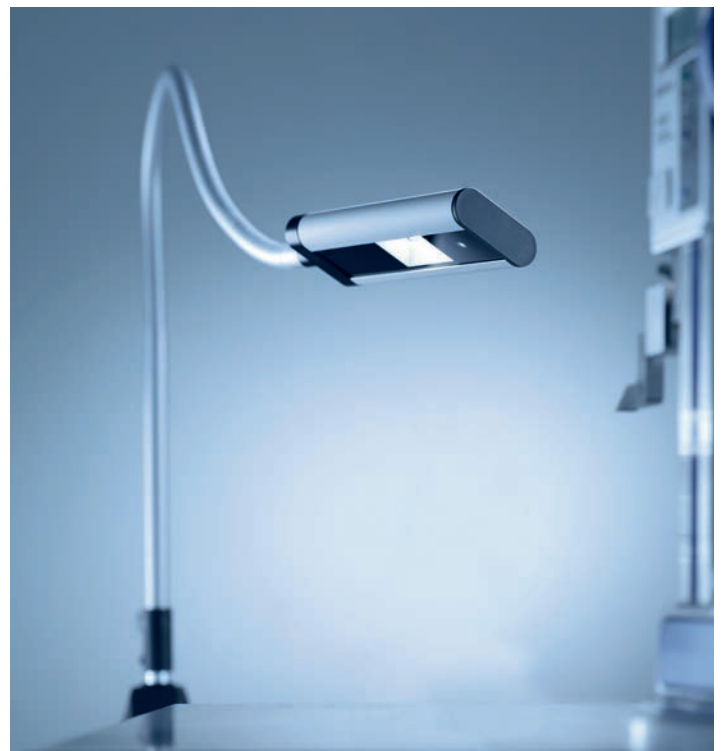
**Compared to systems without daylight and presence sensors*

MINELA-SOL. FLEXIBLE AND EFFICIENT LIGHTING.

MINELA-SOL shines with true innovation illuminating the workspace with a wide distribution of comfortable light. Shadows are completely eliminated due to its 7-watt high-power multichip LED strip design. MINELA-SOL combines superb quality lighting, energy-efficiency and high design to give the workspace a sleek, functional and productive environment.

MINELA-SOL gooseneck LED task luminaire at a glance:

- High-power multichip LED strip design
- 4000K neutral white color temperature
- Light control via reflector
- Anodized aluminum housing, acrylic lens
- Flexible metal arm for minimum 20,000 movements
- Illuminated touch-LED sensor integrated in the luminaire head for on/off and dimming
- Protection Rating: IP20
- Supplied with 8-foot cord and NEMA 1-15A plug
- Various mounting options available





TEVISIO. MAKING THE DIFFERENCE CLEARLY VISIBLE.

The TEVISIO LED magnifier luminaire uses a 3.5 diopter lens (3.5d+8d also available) that ensures scratch-resistant, distortion-free viewing with its 6-inch wide-angle glass lens. 48 premium LEDs surround the lens with color rendering at 90, the highest level needed for detailed inspection in color matching. The touch panel dimming system enables

customization of light output from 100% - 10%. Patented innovative balanced-arm technology allows for easy adjustments and precise positioning with 90° head movement in every direction. TEVISIO also tests at 40% more efficiency than conventional fluorescent magnifier luminaires.

TEVISIO LED magnifier luminaire at a glance:

- 48 premium LEDs
- Power consumption: 14W
- 4000K neutral white color temperature
- 50,000 hours maintenance-free LED life
- 3.5 diopter or 3.5d + 8d magnification options
- Housing made of anodized aluminum
- Pivoting head joint for individual adjustment
- Spring-balanced arm for easy adjustments
- Touch panel integrated in the luminaire head for on/off, dimming or segment switching
- Protection Rating: IP20, double-insulated
- 100-240V, 50/60Hz operation
- 12-foot cord with US plug
- Various mounting options available



RING LED. COMPACT AND PRECISE FOR DETAILED INSPECTIONS.

RING LED is the lighting solution for the precise examination of parts for a number of fields of application – from assembly work to research and development. The specially coated, distortion-free Eschenbach magnifier lens measures 2.8" in diameter and offers 5.3 distortion-free diopters. Innovative LEDs provide added value compared to conventional fluorescents: four times more light per

watt, considerably lowering energy consumption. These LEDs offer a minimum of 50,000 hours of operating life at 100% brightness level – maintenance-free for over six years running 24/7!



RING LED magnifier luminaire at a glance:

- Maintenance-free for a minimum of 50,000 hours
- Touch-switch for on/off operation
- Optical-grade lens with 5.3 diopters (2.4X magnification)
- Plug-in transformer for 120-240V, 50/60Hz operation
- Ideal for assembly areas and QC inspection
- Wide light distribution
- Industrial-grade gooseneck arm is strong, even after 20,000 movements
- Sleek and modern design



MACH LED PLUS. THE NEXT STEP FOR MACHINING.

MACH LED PLUS paves the way for the next generation of LED linear machine lighting. Its highly efficient LED technology offers at least 50,000 hours of maintenance-free operation. Six lengths and output levels allow you to customize according to lighting needs and available space.

MACH LED PLUS was designed as a high-tech transition from fluorescent tube luminaires and fits easily into existing brackets and mounting options.



MACH LED PLUS Machine luminaires at a glance:

- Up to 70% energy savings in comparison to luminaires with fluorescent lamps
- No burning in of cooling agents
- Protection Rating: IP67, 100% leakage tested
- Unlimited switching, immediate 100% output
- Shock and vibration resistant
- Flicker-free light without dangerous stroboscopic effect
- Compatible with 70mm tube luminaires in form and dimensions
- Available in 24V or 100-240V
- Easy connection via M12 plug connector
- Lengths: 14.5" (370mm), 20.1" (510mm), 22.2" (565mm), 25.6" (650mm), 31.1" (790mm) and 42.1" (1070mm)



THE UPGRADE FOR MACHINE LUMINAIRES. UPGRADING MADE EASY.

MACH LED PLUS is designed to be an easy upgrade from fluorescent tube lights to LED.

Two simple steps: Taking the length and light output of your existing fluorescent light into consideration, choose which

of the six MACH LED PLUS fixtures best suits your needs. Simply replace the fluorescent tube luminaire with the new fixture. MACH LED PLUS is designed to re-use existing brackets, thus eliminating the need to drill new holes for new mounting.



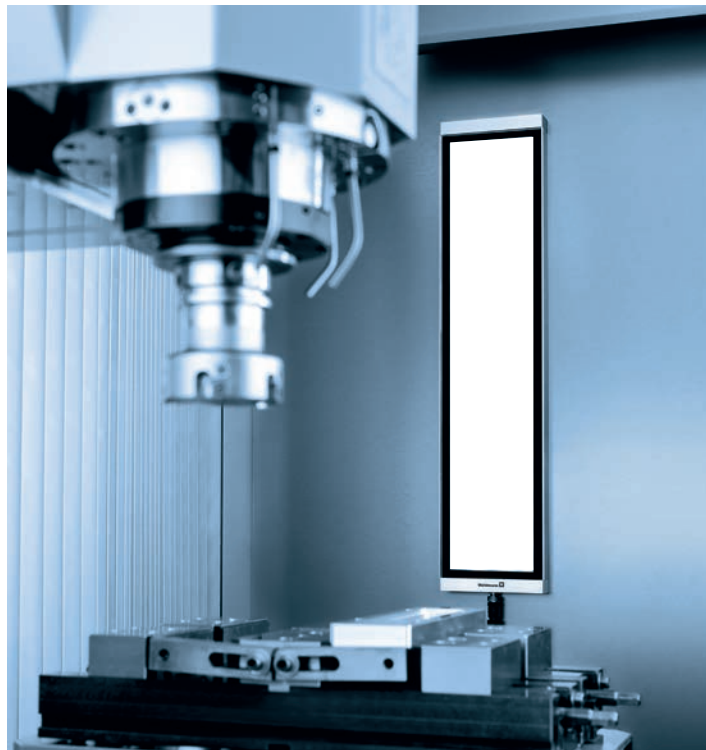


LUMATRIS. LED PANEL LUMINAIRE

LUMATRIS is designed with the latest in LED technology, combining high light output with specially designed optics to accentuate accessible light without glare or heat. Now available in six different sizes, the LUMATRIS offers a maximum amount of light using a minimal amount of space. It is constructed of strong, anodized aluminum and 4mm-thick safety glass to meet even the toughest machine environments.

LUMATRIS - Panel LED Luminaire at a glance:

- Flush or surface mount options
- Color temperature: daylight white 5800K
- Anodized aluminum housing
- 4mm thick safety glass
- Two-step switchable operation (standard or eco mode)
- Protection rating IP68-1m and IPX9K in accordance with DIN 40050-9
- Side or rear connection via M12 plug connector, no cord included
- ETL/cETL approved



MACH LED. HIGH OUTPUT LINEAR LED.

MACH LED was designed to light up the area inside a machine while taking a minimum amount of space. The easy installation and 50,000 hours of maintenance-free operation ensure long-term performance – a time saver for the operators and the job. The solid construction of the strong

anodized aluminum housing and hardened protective glass keep this light impervious to chemicals, flying debris and machine vibration. Available in four standard lengths and a choice of wide or narrow beam angles.

MACH LED - High Output Linear LED at a glance:

- Small, compact linear housing
- High-performance LED technology
- 50,000 hours maintenance-free operation
- Available with beam angles of 30° or 50°
- Low-voltage 24V AC or DC operation
- Waterproof (IP67)
- High resistance to coolants/lubricants
- Impervious to mechanical vibration
- Rugged aluminum housing
- Lengths: 7 in. (182mm), 14 in. (357mm), 21 in. (532mm), and 28 in. (707mm)
- ETL/cETL approved





SPOT LED. MAKING THE DIFFERENCE CLEARLY VISIBLE.

SPOT LED was at the forefront when LED technology entered the machining industry. Designed for the most demanding production and machining environments, the SPOT LED is available in five mounting styles and both low- and line-voltage versions. The rugged, anodized aluminum

housing makes it impervious to coolants, lubricants and flying debris, as well as mechanical vibration so prevalent in machining. 50,000 hours of maintenance-free operation and energy-efficiency make sense for productivity as well as the bottom line.

SPOT LED - High Output Spot LED at a glance:

- Luminaire diameter: 3 in. (76mm)
- High performance LED technology
- 50,000 hours maintenance-free operation
- Optional beam angles of 10° or 40°
- Low-voltage 24V AC or DC operation
- Waterproof models available up to IP67
- High resistance to coolants/lubricants
- Impervious to mechanical vibration
- Rugged aluminum housing
- Magnetic base allows for portable illumination
- ETL/cETL approved



SLIM LED. LOW PROFILE LINEAR LED

The SLIM LED was designed for machine and equipment use where light is needed but space is limited. Optimum light is ensured using the liner-light Power Flex system, in which the LEDs are directly attached to a flexible circuit board. The mechanization of this design makes it impervious

to vibration or impact that may be a factor in some machining conditions. With a protective rating of IP67, the SLIM LED is completely waterproof. However, it is not suitable for situations where coolants or lubricants are present.



SLIM LED - Low Profile Linear LED at a glance:

- Housing is less than 1 in. (22mm) wide
- Completely waterproof (IP67); not for use with coolants or lubricants
- Aluminum extruded housing
- 50,000 hours maintenance-free operation
- Impact and vibration resistant
- Adjustable version rotates +/- 35°
- Lengths: 7.7 in. (196mm), 13.2 in. (336mm), 24.3 in. (616mm), 35.3 in. (896mm) and 46.3 in. (1176mm)
- ETL/cETL approved

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