

Waldmann **W**

ENGINEER OF LIGHT.

NORTH AMERICA

FLAT LED | AREA LIGHT





FLAT LED – MAXIMUM LIGHT WITH MINIMAL HEIGHT

With the FLAT LED area light, Waldmann once again demonstrates the power of innovation as the “**Engineer of Light**”. The FLAT LED combines the strengths of LED technology with advanced light optics designed and manufactured by Waldmann, in our state-of-the-art development center and production facilities. The result: A luminaire with minimal height, maximum luminous power and intelligent PLUG + LIGHT electronics. This allows direct connection to 24-volt direct or alternating current.

The flat design is the result of innovative Waldmann optics technology. It produces a beam angle of 60°, which ensures large-scale, uniform illumination of the production area. As a result, light quality, reliability and productivity are increased.

The FLAT LED allows production or inspection staff to clearly see every detail of the work piece or area. The operator can concentrate better because they can see better. In addition, low-voltage (24V) operation improves safety.



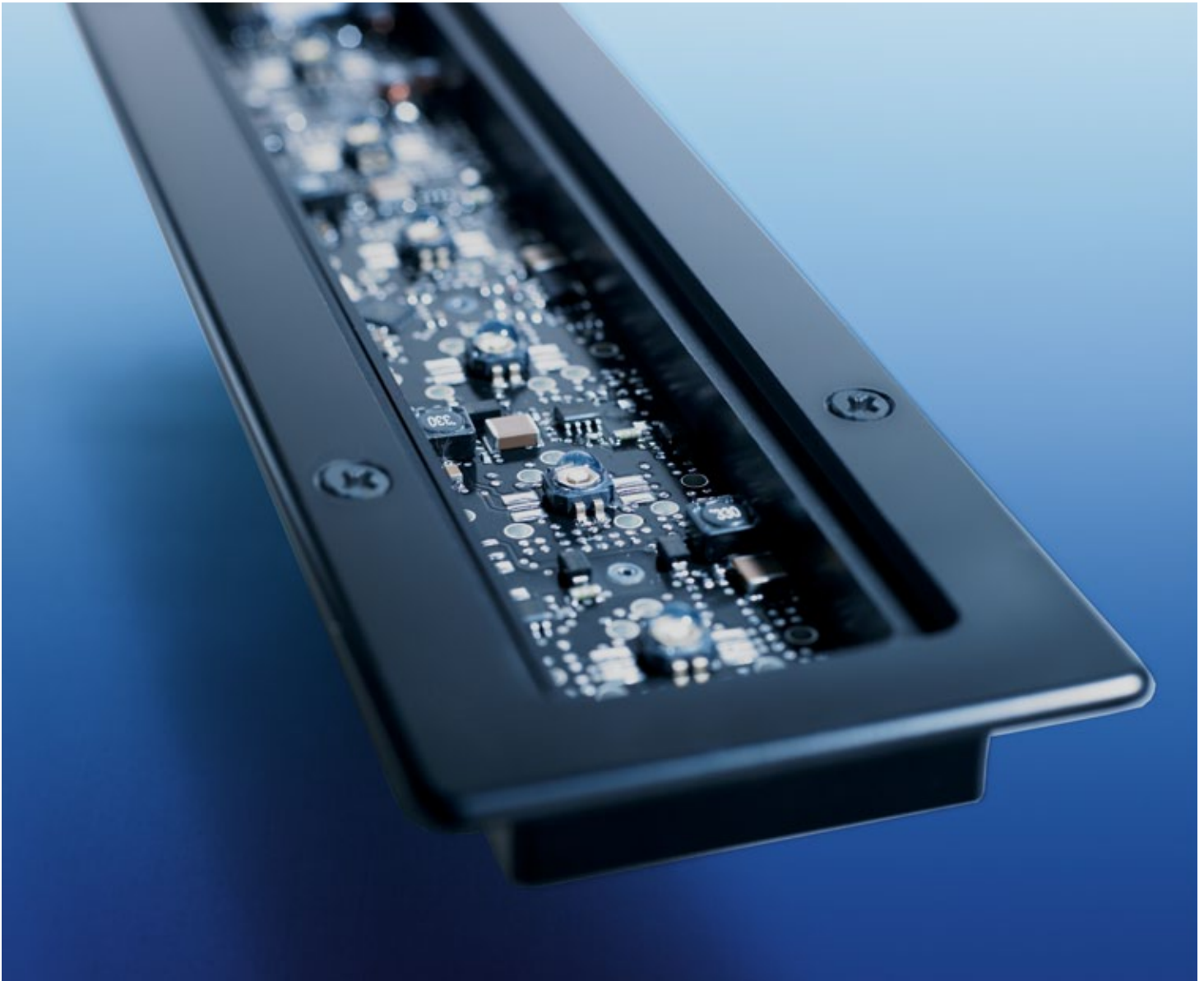


Perfect for machines with minimal installation space or clearance.

FLAT LED is the lighting technology answer to ever more complex machine compartments, tighter production areas, and less clearance space available for lighting. With extremely thin optics, the FLAT LED has a very small footprint and can be installed easily.

|| The innovative Waldmann optics with a 60° beam angle for large-scale and uniform illumination.





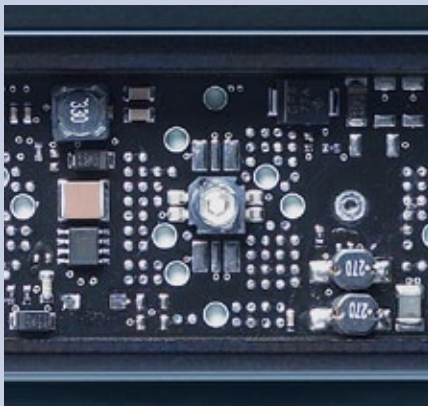
PLUG + LIGHT = EASY INSTALLATION AND SAFETY

PLUG = fast installation, thanks to integrated LED operating device.

- Operates @10-40V DC or 10-30V AC
- Direct connection to 24V
- Minimal installation costs without additional wiring expense
- Maintenance-free
- Extremely long life (50,000 hrs+)

LIGHT = safe operation without stroboscopic effect and minimal heat build-up.

- Flicker-free light reduces the risk of accidents during machine tool installation and maintenance.
- Low temperature in the radiation direction. Consequently, no burning of coolants and lubricants.
- Consistent brightness level enhances safety and quality of work.



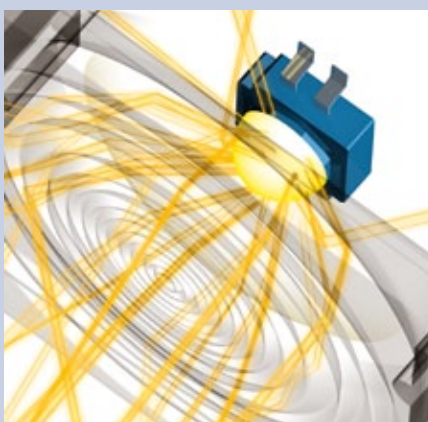
Electronics technology

The intelligent circuit board was specially developed by Waldmann for the FLAT LED; it offers electronic compensation for line voltage fluctuations and guarantees absolutely uniform lighting quality. In addition, heat produced by the LEDs is optimally forwarded to the casing. This guarantees long service life of the LEDs.



Housing technology

Proven Waldmann premium workmanship ensures a housing designed for the most difficult environments: The protective lens made of borosilicate glass and the aluminum housing are resistant to wear, heat and corrosion. The housing is completely waterproof (IP69K). In addition, the casing serves as a heat dissipator ensuring the long-life of the LED's.



LED technology

The FLAT LED is equipped with high-performance LEDs with a service life of 50,000 hours. This provides 6 years of maintenance-free, around-the-clock lighting! The LEDs are resistant to a wide spectrum of typical machine-related stress factors, such as vibrations, shock, and frequent on and off switching.

FLAT LED MOUNTED

FLAT LED – Mounted version.

With a minimal height of less than an inch (only 7/8"), the FLAT LED mounted version is ideally suited for the flexible illumination of small

machines or systems with tight space conditions. The luminaires can be fastened to the machine wall quickly and easily. This saves time and lowers the installation cost.



TECHNICAL DATA

Fitted with:

Power consumption:

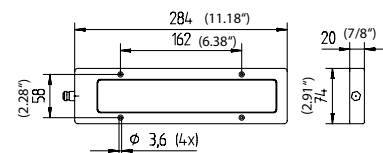
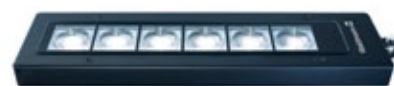
Casing:

Lamp cover:

Connecting cable:

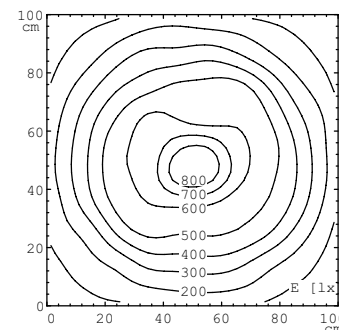
6 x 2W
 approx. 13 watts
 Aluminum, hard anodized (hard coating)
 Borosilicate glass screen
 approx. 3.0 m

MOUNTED VERSION



CONNECTED LOAD	BEAM ANGLE	CONNECTION	SYSTEM OF PROTECTION	MODEL	ORDER NO.
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10 – 40 Volt (DC)	60 °	without transformer	IP69K	MYAL 6 S	112 560 000
10 – 30 Volt (AC)	60 °	without transformer	IP69K	MYAL 6 S	112 560 002



Light allocation (measuring distance 100 cm).



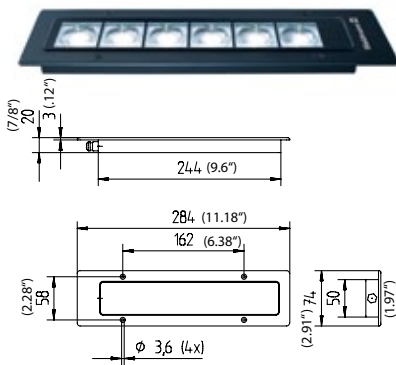
FLAT LED INTEGRATED VERSION

FLAT LED – Integrated version.

The luminaire can be integrated into the machine wall. With flush installation, additional space is created for other machine components.

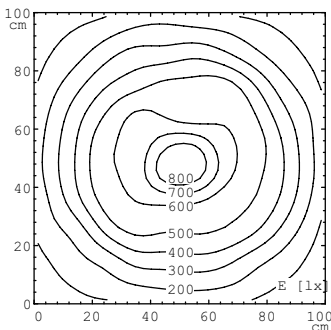
Another practical advantage is that no metal chips can be deposited on the FLAT LED, and the dreaded chip build-up is prevented.

INTEGRATED VERSION TECHNICAL DATA



Fitted with:	6 x 2W
Power consumption:	approx. 13 watts
Casing:	Aluminum, hard anodized (hard coating)
Lamp cover:	Borosilicate glass screen
Connecting cable:	approx. 3.0 m

CONNECTED LOAD BEAM ANGLE CONNECTION SYSTEM OF PROTECTION MODEL ORDER NO.



Light allocation (measuring distance 100 cm).

10 – 40 Volt (DC)	60 °	without transformer	IP69K	MYEL 6 S	112 560 001
10 – 30 Volt (AC)	60 °	without transformer	IP69K	MYEL 6 S	112 560 003

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