



LTBC174174-W | DATASHEET

Continuous LED backlight, 174.5 x 174.5 mm illumination area, white, 6300 K



KEY ADVANTAGES

Cost-effective homogeneous illumination

Densely packed LED arrays with matt diffuser eliminating hot spots and glare.

Robust industrial Design

M8 connector for easy connection to power supplies.

Easy integration

M6 nut channels for easy mounting.

LTBC series are LED backlights designed to be employed in a wide variety of applications such as shape and size inspection of workpieces.

SPECIFICATIONS

Lighting specifications

Illumination area width	(mm)	174.5
Illumination area height	(mm)	174.5
Light color, peak wavelength		white, 6300 K
Illuminance ¹	(lux)	18500

Electrical specifications

Supply voltage ²	(V)	24
Current	(mA)	486
Power consumption	(W)	11.7
Max pulse voltage ³	(V)	24-48 (36 recommended)
Max pulse current ⁴	(mA)	1458
Max duty cycle	(%)	10
Max pulse duration	(ms)	10
Connector		M8
Cables		Included

Mechanical specifications

Length	(mm)	219.0
Width	(mm)	219.0
Height	(mm)	35.6
Mass	(g)	1240

¹ ±15% at 20mm working distance

² Tolerance ±2%

³ Constant voltage power supply

⁴ Constant current power supply

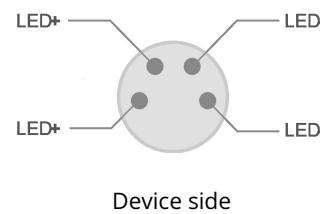
Environment

Operating temperature	(°C)	0-45
Operating relative humidity	(%)	20-85, non condensing

Eye safety

Risk group (CEI EN 62471:2010)	Exempt
--------------------------------	--------

CONNECTOR PINOUT



Function	Cable color
LED +	Brown
LED +	White
LED -	Blue
LED -	Black

COMPATIBLE PRODUCTS

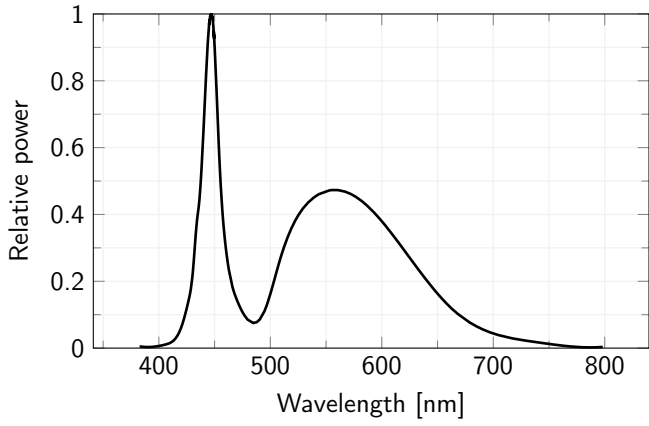
Full list of compatible products available [here](#).



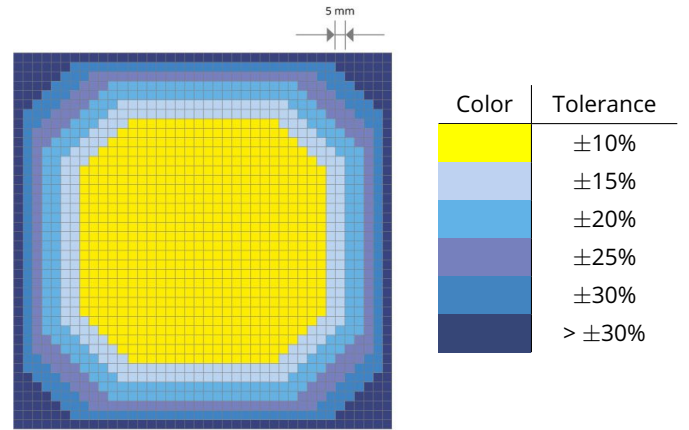
A wide selection of innovative machine vision components.

All product specifications and data are subject to change without notice to improve reliability, functionality, design or other. Photos and pictures are for illustration purposes only. Data are reported by design, actual lens performance may vary due to manufacturing tolerances.

LED color spectrum



BRIGHTNESS DISTRIBUTION



All product specifications and data are subject to change without notice to improve reliability, functionality, design or other. Photos and pictures are for illustration purposes only. Data are reported by design, actual lens performance may vary due to manufacturing tolerances.