



# LTBC114114-W | DATASHEET

Continuous LED backlight, 114.5 x 114.5 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)	114.5
Illumination area height	(mm)	114.5
Light color, peak wavelength		white, 6300 K
Illuminance <sup>1</sup>	(lux)	18700

#### Electrical specifications

Supply voltage <sup>2</sup>	(V)	24
Current	(mA)	216
Power consumption	(W)	5.2
Max pulse voltage <sup>3</sup>	(V)	24-48 (36 recommended)
Max pulse current <sup>4</sup>	(mA)	648
Max duty cycle	(%)	10
Max pulse duration	(ms)	10
Connector		M8
Cables		Included

#### Mechanical specifications

Length	(mm)	159.0
Width	(mm)	159.0
Height	(mm)	35.6
Mass	(g)	810

<sup>1</sup> ±15% at 20mm working distance

<sup>2</sup> Tolerance ±2%

<sup>3</sup> Constant voltage power supply

<sup>4</sup> Constant current power supply

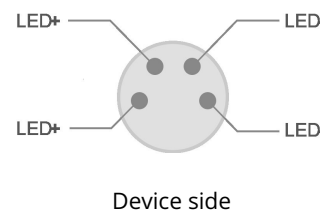
#### Environment

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

#### Eye safety

Risk group (CEI EN 62471:2010)	Exempt
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### CONNECTOR PINOUT



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

### COMPATIBLE PRODUCTS

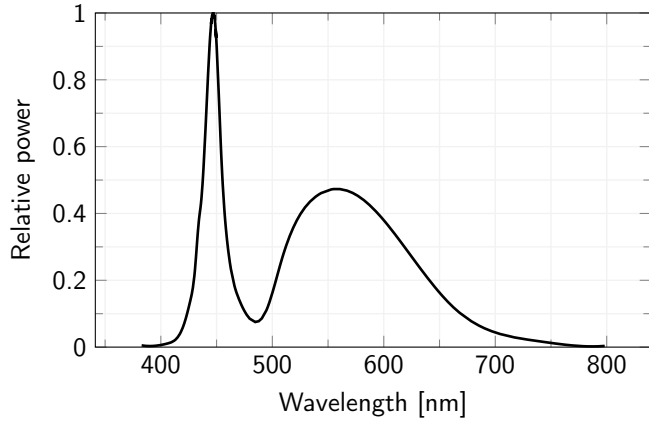
Full list of compatible products available [here](#).



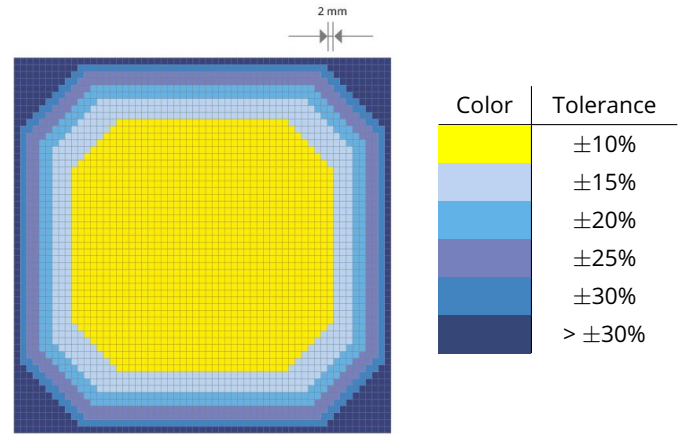
A wide selection of innovative machine vision components.

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**LED color spectrum**



**BRIGHTNESS DISTRIBUTION**



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