

**LED bar light with integrated driving electronics, 300 mm length, continuous, green 530 nm, 50° lens, with vertical polarizing sheet, with daisy-chain**



### SPECIFICATIONS

#### Lighting specifications

Illumination area width	(mm)	295
Illumination area height	(mm)	25
Emission angle	(°)	50
Number of LEDs		12
Light color, peak wavelength		green, 530 nm
Spectral FWHM	(nm)	30.0
Illuminance <sup>1</sup>	(klux)	n.a.
Irradiance <sup>1</sup>	(W/m <sup>2</sup> )	-
Diffuser		yes
Polarization film		vertical

#### Electrical specifications

Supply voltage <sup>2</sup>	(V)	24
Peak power consumption	(W)	18
Operating mode		Continuous
Daisy chain		yes
Max continuous current	(A)	0.750
Max pulse current	(A)	-
Minimum Ton	(µs)	1000
Maximum Ton	(ms)	-
Max duty cycle	(%)	100
Input connector		M12, 5 pins, male
Output connector		M12, 5 pins, female

Cables<sup>3</sup> CBLT014, CBLT015, CBLT016, CBLT017, CBLT018

### KEY ADVANTAGES

**Integrated constant current driving electronics**

**Daisy-chain option**

Easily connect up to 6 lights together.

**Wide selection**

295x25 mm active area. Available in red, white, green blue and Infrared

**5-pin M12 connector**

**Compact lightweight design with reduced thickness (33 mm)**

**The LTBRZ3 series** consists of high intensity LED bar lights with integrated constant current driving electronics that can be used in a wide variety of general purpose machine vision applications both as front lights or as backlights.

#### Mechanical specifications

Width	(mm)	307
Height	(mm)	66
Thickness	(mm)	33
Mass	(g)	400
Clamping system		4x M5 threaded holes

#### Environment

Operating temperature	(°C)	0-40
Storage temperature	(°C)	0-50
Operating relative humidity	(%)	20-85, non condensing
IP rating		IP40
Installation		Indoor use only

#### Eye safety

Risk group (CEI EN 62471:2010)	Risk group 1
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<sup>1</sup> Measured at 200 mm for models with lenses. Measured at emitting surface for backlight models.

<sup>2</sup> Tolerance ± 5 %

<sup>3</sup> Not included. Must be ordered separately

### COMPATIBLE PRODUCTS

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



A wide selection of innovative machine vision components.

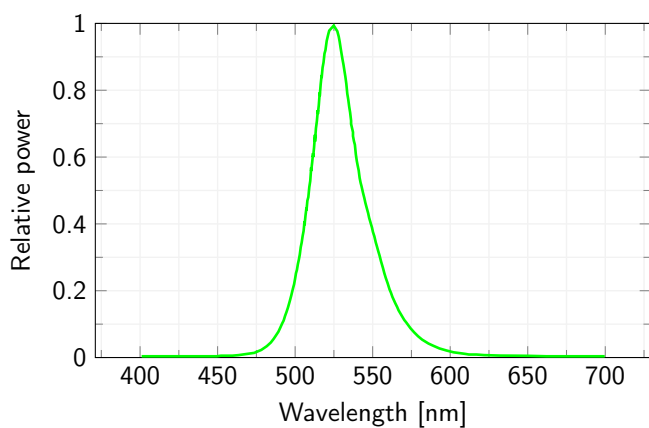
## INPUT CONNECTOR PINOUT



## OUTPUT CONNECTOR PINOUT



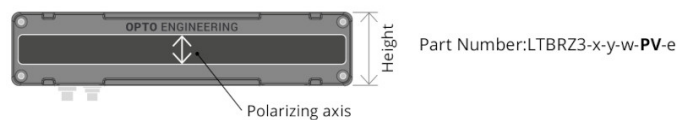
## LED color spectrum



## OPTIONAL POLARIZING SHEETS



PV with vertical linear polarizer. Polarizing axis parallel to the active area height.



PH with horizontal linear polarizer. Polarizing axis parallel to the active area width.