

LTBRZ3-C-W-20-PH | DATASHEET

OPTO ENGINEERING

LED bar light with integrated driving electronics, 300 mm length, continuous, white 6500 K, 20° lens, with horizontal polarizing sheet



SPECIFICATIONS

Lighting specifications

Illumination area width	(mm)	295
Illumination area height	(mm)	25
Emission angle	(°)	20
Number of LEDs		12
Light color, peak wavelength		white, 6500 K
Spectral FWHM	(nm)	-
Illuminance ¹	(klux)	n.a.
Irradiance ¹	(W/m ²)	-
Diffuser		yes
Polarization film		horizontal

Electrical specifications

Supply voltage ²	(V)	24
Peak power consumption	(W)	18
Operating mode		Continuous
Daisy chain		no
Max continuous current	(A)	0.750
Max pulse current	(A)	-
Minimum Ton	(µs)	1000
Maximum Ton	(ms)	-
Max duty cycle	(%)	100
Maximum Frequency	(Hz)	-
Input connector		M12, 5 pins, male
Output connector		-
Cables ³		CBLT014, CBLT015

KEY ADVANTAGES

Integrated constant current driving electronics

Daisy-chain option

Easily connect up to 4 lights together.

Wide selection

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

5-pin M12 connector

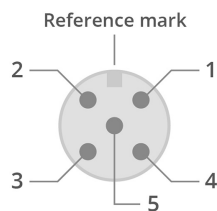
Compact lightweight design with reduced thickness (33 mm)

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

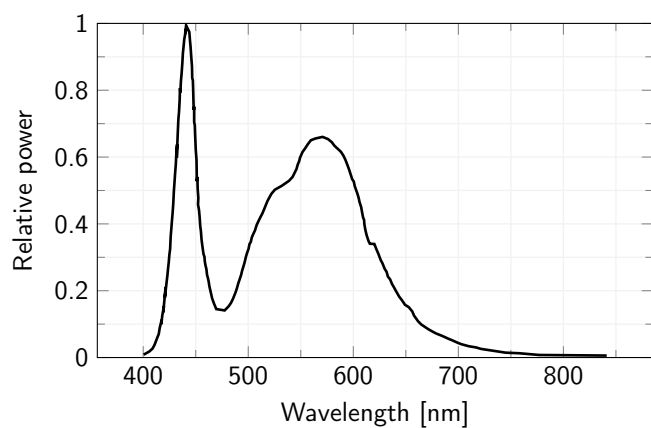
INPUT CONNECTOR PINOUT



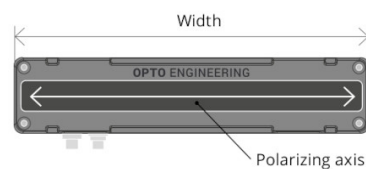
Pin	Function	Cable color
1	+24Vdc	Brown
2	NPN	White
3	GND	Blue
4	PNP	Black
5	Analogue dimming(0-10V)	Grey or green

Device side

LED color spectrum



OPTIONAL POLARIZING SHEETS



Part Number: LTBRZ3-x-y-w-**PH**-e

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



Part Number: LTBRZ3-x-y-w-**PV**-e

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