

# LT2BC048108-R-CO | DATASHEET

# High uniformity continuous LED backlight, 48 x 108 mm illumination area, red, with collimation film in both directions





#### **SPECIFICATIONS**

### **Lighting specifications**

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Modules		1x3
Illumination area width	(mm)	48
Illumination area height	(mm)	108
Number of LEDs		144
Light color, peak wavelength		red, 620 nm
Spectral FWHM	(nm)	20
Illuminance <sup>1</sup>	(klux)	17
Irradiance <sup>1</sup>	(W/m <sup>2</sup> )	-
Diffuser		yes
Collimation film		yes

# **Flectrical specifications**

(V)	24
(mA)	380
(W)	9.1
(V)	35.7
(mA)	850
(W)	30.3
(%)	1.5
(ms)	1
	M8
	CBLT003
	(mA) (W) (V) (mA) (W) (W)

#### **KEY ADVANTAGES**

#### **Excellent uniformity**

Test report with measured uniformity

# Ultra high-power light output and strobe mode operation

For inspection and measurement of fast moving objects and an extended

#### Suitable for frequent cleaning

Thanks to the optical grade and scratch resistant protective cover

#### Wide selection and modular design

Size options range from 48 x 36 to 288 x 216 mm available in red, white, green, blue and infrared

Compact design with reduced thickness (26 mm)

Special continuous alignment mode

**Optional integrated collimation film** 

The LT2BC series offers high power LED backlights designed to provide exceptional illumination performances and excellent uniformity.

### **Mechanical specifications**

Length	(mm)	60.0
Width	(mm)	128.0
Height	(mm)	26.0
Mass	(g)	661
Clamping system	4>	M6 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

<sup>1</sup> Minimum value, at max driving current, on emitting surface. V	Where
n a lie reported data is available upon request	

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Exempt

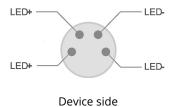
<sup>2</sup> Tolerance ±10%

Risk group (CEI EN 62471:2010)

<sup>3</sup> At 25°C. At max pulse width (1 ms), max pulse frequency = 15 Hz.



# **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.

