

# LT2BC048072-G-CO | DATASHEET

# High uniformity continuous LED backlight, 48 x 72 mm illumination area, green, with collimation film in both directions





#### **SPECIFICATIONS**

#### **Lighting specifications**

Modules		1x2
Illumination area width	(mm)	48
Illumination area height	(mm)	72
Number of LEDs		96
Light color, peak wavelength		green, 525 nm
Spectral FWHM	(nm)	33
Illuminance <sup>1</sup>	(klux)	39
Irradiance <sup>1</sup>	(W/m <sup>2</sup> )	-
Diffuser		yes
Collimation film		yes

# **Flectrical specifications**

(V)	24
(mA)	310
(W)	7.4
(V)	30.6
(mA)	700
(W)	21.4
(%)	1
(ms)	1.5
	M8
	CBI T003
	(mA) (W) (V) (mA) (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)	92.0
Height	(mm)	26.0
Mass	(g)	457
Clamping system	4x	M6 threaded holes

#### **Environment**

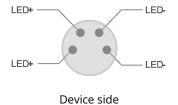
	Operating temperature	(°C)	0-40
	Storage temperature	(°C)	0-50
	Operating relative humidity	(%)	20-85 non condensing
	IP rating		IP40
	Installation		Indoor use only

Risk group (CEI EN 62471:2010)	Exempt	
<sup>1</sup> Minimum value, at max driving current,	on emitting surface.	Where

- n.a. is reported data is available upon request.
- <sup>2</sup> Tolerance ±10%
- <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.

