

## LT2BC192144-G-CO | DATASHEET

# High uniformity continuous LED backlight, 192 x 144 mm illumination area, green, with collimation film in both directions





#### **SPECIFICATIONS**

#### **Lighting specifications**

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Modules		4x4
Illumination area width	(mm)	192
Illumination area height	(mm)	144
Number of LEDs		768
Light color, peak wavelength		green, 525 nm
Spectral FWHM	(nm)	33
Illuminance <sup>1</sup>	(klux)	19
Irradiance <sup>1</sup>	(W/m <sup>2</sup> )	-
Diffuser		yes
Collimation film		yes

### **Electrical specifications**

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Supply voltage	(V)	24
Current <sup>2</sup>	(mA)	1240
Power consumption <sup>2</sup>	(W)	29.8
Typical pulse voltage	(V)	31.8
Max pulse current <sup>3</sup>	(mA)	2550
Peak power consumption	(W)	81.1
Max duty cycle	(%)	1
Max pulse duration	(ms)	1.5
Connector		M8
Included cable		CBLT003

#### **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 LED lifetime

#### 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)	204.0
Width	(mm)	164.0
Height	(mm)	26.0
Mass	(g)	1281
Clamping system	8>	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

#### Eye safety

<sup>1</sup> Minimum value, at max driving current, on emitting surface. W	here
and the angle of the control of the	

Exempt

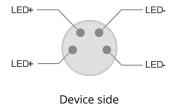
n.a. is reported data is available upon request.

Risk group (CEI EN 62471:2010)

- <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.

