

# LT2BC240180-B | DATASHEET

# High uniformity continuous LED backlight, 240 x 180 mm illumination area, blue





#### **SPECIFICATIONS**

## **Lighting specifications**

0 0 0 1		
Modules		5x5
Illumination area width	(mm)	240
Illumination area height	(mm)	180
Number of LEDs		1200
Light color, peak wavelength		blue, 470 nm
Spectral FWHM	(nm)	25
Illuminance <sup>1</sup>	(klux)	4
Irradiance <sup>1</sup>	(W/m <sup>2</sup> )	-
Diffuser		yes
Collimation film		no

#### **Electrical specifications**

(V)	24
(mA)	1900
(W)	45.6
(V)	35.8
(mA)	4100
(W)	146.8
(%)	1.5
(ms)	1
	M8
	CBLT003
	(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 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  $48 \times 36$  to  $288 \times 216$  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)	252.0	
Width	(mm)	200.0	
Height	(mm)	26.0	
Mass	(g)	1736	
Clamping system	8x	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

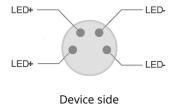
### **Eye safety**

Risk group (CEI EN 62471:20	010) Risk group 1

- <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%
- $^{3}$  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.

