

# LT2BC192216-G-CO | DATASHEET

# High uniformity continuous LED backlight, 192 x 216 mm illumination area, green, with collimation film in both directions





## **SPECIFICATIONS**

### **Lighting specifications**

	4x6
(mm)	192
(mm)	216
	1152
	green, 525 nm
(nm)	33
(klux)	19
(W/m <sup>2</sup> )	-
. ,	
	yes
	(mm) (nm) (klux)

#### **Electrical specifications**

Supply voltage	(V)	24
Current <sup>2</sup>	(mA)	1860
Power consumption <sup>2</sup>	(W)	44.6
Typical pulse voltage	(V)	32.3
Max pulse current <sup>3</sup>	(mA)	4000
Peak power consumption	(W)	129.1
Max duty cycle	(%)	1.5
Max pulse duration	(ms)	1
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)	236.0
Height	(mm)	26.0
Mass	(g)	1823
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 62471:2010)	Exempt
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<sup>1</sup> Minimum value, at max driving current, on emitting surface. Where n.a. is reported data is available upon request.

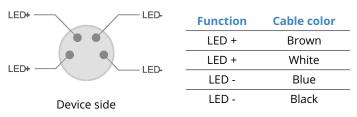
<sup>2</sup> Tolerance  $\pm 10\%$ 

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

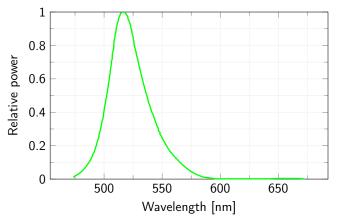
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# **CONNECTOR PINOUT**



# LED color spectrum

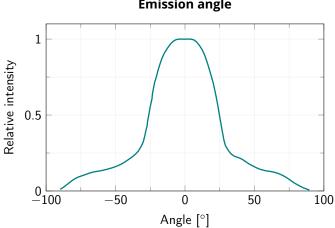


## **COMPATIBLE PRODUCTS**

Full list of compatible products available here.



A wide selection of innovative machine vision components.



**Emission angle** 

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