

# LT2BC096180-W | DATASHEET

# High uniformity continuous LED backlight, 96 x 180 mm illumination area, white





#### **SPECIFICATIONS**

# **Lighting specifications**

Modules		2x5
Illumination area width	(mm)	96
Illumination area height	(mm)	180
Number of LEDs		480
Light color, peak wavelength		white, > 4500 K
Spectral FWHM	(nm)	-
Illuminance <sup>1</sup>	(klux)	18
Irradiance <sup>1</sup>	(W/m <sup>2</sup> )	-
Diffuser		yes
Collimation film		no

#### **Electrical specifications**

(V)	24
(mA)	890
(W)	21.4
(V)	35.3
(mA)	1900
(W)	67.2
(%)	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 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)	108.0
Width	(mm)	200.0
Height	(mm)	26.0
Mass	(g)	1231
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

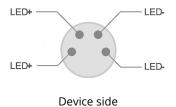
#### **Eye safety**

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 ±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.

