



# LTCLCP260-G

Space-saving telecentric illuminator for LARGE FOV systems, minimum beam shape dimension 265 x 200 mm, green

## SPECIFICATIONS

### Optical specifications

Light color, peak wavelength (1)		green, 520 nm
Minimum beam shape dimension (2)	(mm)	265 x 200
Working distance range (3)	(mm)	270 - 500

### Electrical specifications

#### Device power ratings

DC voltage minimum(4)	(V)	12
DC voltage maximum(4)	(V)	24
Power consumption	(W)	< 2.5
Max LED forward current (5)	(mA)	350

#### LED power ratings

Forward voltage (typical) (6)	(V)	3.3
Forward voltage (max) (7)	(V)	4
Max pulse current (8)	(mA)	2000

### Mechanical specifications

A (9)	(mm)	425.3
B (9)	(mm)	396.7
C (10)	(mm)	421.0
Mass	(g)	10200

### Eye safety

Risk group according to CEI EN 62471:2010	Risk group 1
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## NOTES

1. Opto Engineering® recommends green light for high precision measurement applications.
2. Beam shape is not circular.
3. Working distance: distance between the front end of the mechanics and the object. Set this distance within +/- 5% of the nominal value for maximum resolution and minimum distortion.
4. Tolerance ± 10%.
5. Used in continuous (not pulsed) mode.
6. At max forward current.
7. Tolerance is ±0.06V on forward voltage measurements.
8. At pulse width ≤ 10 ms, duty cycle ≤ 10% condition. Built-in electronics board must be bypassed (see tech info).
9. Maximum dimension of the clamping flange.
10. Nominal value, with no spacers in place.

## COMPATIBLE PRODUCTS

Despite the efforts made to generate an error-free compatibility list, we always recommend to consult the Opto Engineering® technical support department before purchasing a compatible product. Opto Engineering® shall not be liable for any damage or malfunctioning caused by the incorrect selection of a compatible product.



PS series

Power supplies

RT-SDR-120-24

24VDC DIN rail power supply



All product specifications and data are subject to change without notice to improve reliability, functionality, design or other. Photos and pictures are for illustration purposes only.



LTIC series

LED lighting controllers

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<a href="#">LTICOBUL1000CH1-24VUSTB</a>	24VDC analog lighting controller 1 channel, UK power cord, Illumination cable, side A 5M 3 way male connector, side B terminal blocks connector, 24V - 3m
<a href="#">LTICOBUL1000CH1-24VEUTB</a>	24VDC analog lighting controller 1 channel, UK power cord, Illumination cable, side A 5M 3 way male connector, side B terminal blocks connector, 24V - 3m
<a href="#">LTICOBUL1000CH1-24VUKTB</a>	24VDC analog lighting controller 1 channel, UK power cord, Illumination cable, side A 5M 3 way male connector, side B terminal blocks connector, 24V - 3m

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