



LTCLCP144-G

Space-saving telecentric illuminator for LARGE FOV systems, minimum beam shape dimension 165 x 120 mm, green

SPECIFICATIONS

Optical specifications

Light color, peak wavelength (1)		green, 520 nm
Minimum beam shape dimension (2)	(mm)	165 x 120
Working distance range (3)	(mm)	170 - 350

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)	332.0
B (9)	(mm)	302.5
C (10)	(mm)	310.5
Mass	(g)	6000

Eye safety

Risk group according to CEI EN 62471:2010	Risk group 1
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Last update: 2021-06-22

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



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

LTIC1CH-A1-4	Analogue lighting controller unit, 4A, 24V
LTIC1CH-D1-4	Digital lighting controller unit, 4A, 24V
LTICOBUL1000CH1-24VUSTB	24VDC analog lighting controller 1 channel, UK power cord, Illumination cable, side A SM 3 way male connector, side B terminal blocks connector, 24V - 3m
LTICOBUL1000CH1-24VEUTB	24VDC analog lighting controller 1 channel, UK power cord, Illumination cable, side A SM 3 way male connector, side B terminal blocks connector, 24V - 3m
LTICOBUL1000CH1-24VUKTB	24VDC analog lighting controller 1 channel, UK power cord, Illumination cable, side A SM 3 way male connector, side B terminal blocks connector, 24V - 3m