



LTCL4K180-G

Telecentric illuminator for line scan cameras, line width 180 mm, green

SPECIFICATIONS

Optical specifications

Light color, peak wavelength	(nm)	green, 520 nm
Beam width	(mm)	187
Beam height	(mm)	10
Working distance range	(mm)	120-450

Electrical specifications

Device power ratings

DC voltage minimum	(V)	12
DC voltage maximum	(V)	24
Power consumption	(W)	< 2.5

LED power ratings

Max LED forward current 1	(mA)	350
Forward voltage (typical) 2	(V)	3.3
Forward voltage (max) 2	(V)	4.00
Max pulse current 3	(mA)	2000

Mechanical specifications

Length	(mm)	483.5
Width	(mm)	206
Height	(mm)	38.5
Mass	(g)	3495

Eye safety

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

NOTES

- Used in continuous (not pulsed) mode.
- At max forward current. Tolerance is $\pm 0.06V$ on forward voltage measurements.
- At pulse width ≤ 10 ms, duty cycle $\leq 10\%$ condition. Built-in electronics board must be bypassed (see tech info).

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.



TC4K series

Flat telecentric lenses for 4k line scan sensors

TC4K180-F Telecentric lens for 4k line scan cameras, magnification 0.159x, F-mount

TC4K180-N Telecentric lens for 4k line scan cameras, magnification 0.159x, mount M42X1 FD=10.56



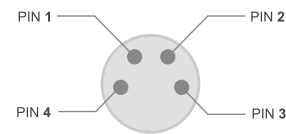
CMMR series

45° first surface mirrors

CMMR4K180-V 45° adjustable first surface mirror, clamping size 208x38.5 mm, right angle vertical bend



CONNECTION



Device side - male pins
Front view

Pinout reference

Pin	Function
1	Earth
2	GND
3	LED Anode
4	Power supply (+12÷24 V)



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.

[CMMR4K180-L](#) 45° adjustable first surface mirror, clamping size 208x38.5 mm, right angle lateral bend



LTSCHP series

High-performance replacement LED modules

[LTSCHP1W-G](#) Replacement LED module, green

[LTSCHP1W-GZ](#) Replacement LED module with diffuser, green



LTDV series

LED lighting strobe controllers

[LTDV1CH-17V](#) Strobe controller 1 channel variable current 5 mA - 17A



PS series

Power supplies

[RT-SDR-120-24](#) 24VDC DIN rail power supply



CB series

Cables

[CB244P1500](#) Power cable, side 1 M8 connector straight, side 2 cable end - 2 m - type 1 labels

[CB244P1500L](#) Power cable, side 1 M8 connector angled, side 2 cable end - 2 m - type 1 labels



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
