

LTCL4K090-W

Telecentric illuminator for line scan cameras, line width 90 mm, white

SPECIFICATIONS

Optical specifications

Light color, peak wavelength	(nm)	white
Beam width	(mm)	102
Beam height	(mm)	10
Working distance range	(mm)	90-300

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)	2.78
Forward voltage (max) 2	(V)	-
Max pulse current 3	(mA)	2000

Mechanical specifications

Length	(mm)	295.2
Width	(mm)	114
Height	(mm)	38.5
Mass	(g)	1437

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

TC4K090-F Telecentric lens for 4k line scan cameras, magnification 0.319x, F-mount

TC4K090-N Telecentric lens for 4k line scan cameras, magnification 0.319x, mount M42X1 FD=10.56



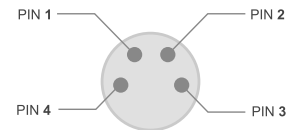
CMMR series

45° first surface mirrors

CMMR4K090-V 45° adjustable first surface mirror, clamping size 114x38.5 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.

CMMR4K090-L 45° adjustable first surface mirror, clamping size 114x38.5 mm, right angle lateral bend



LTSCHP series

High-performance replacement LED modules

LTSCHP1W-W

Replacement LED module, white



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