

# LTCL4K090-G

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

## SPECIFICATIONS

### Optical specifications

Light color, peak wavelength	(nm)	green, 520 nm
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)	3.3
Forward voltage (max) 2	(V)	4.00
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  $\leq 10$  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



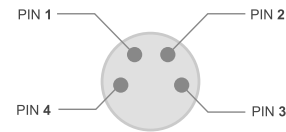
CMMR series

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

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LTSCHP series

High-performance replacement LED modules

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

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

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LTDV series

LED lighting strobe controllers

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

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PS series

Power supplies

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

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CB series

Cables

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[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

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LTIC series

LED lighting controllers

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[LTIC1CH-A1-4](#) Analogue lighting controller unit, 4A, 24V

[LTIC1CH-D1-4](#) Digital lighting controller unit, 4A, 24V

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[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

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[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

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[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

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