

# LTCL4K120-G

Telecentric illuminator for linescan cameras, line width 120 mm, green

## SPECIFICATIONS

### Optical specifications

Light color, peak wavelength	(nm)	green, 520 nm
Beam width	(mm)	132
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 <b>1</b>	(mA)	350
Forward voltage (typical) <b>2</b>	(V)	3.3
Forward voltage (max) <b>2</b>	(V)	4.00
Max pulse current <b>3</b>	(mA)	2000

### Mechanical specifications

Length	(mm)	306.3
Width	(mm)	144
Height	(mm)	38.5
Mass	(g)	1712

### Compatibility

Compatible telecentric lenses	TC4K120
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### Eye safety

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



**TC4K120-F** Telecentric lens for 4k linescan cameras, magnification 0.240x, F-mount

**TC4K120-N** Telecentric lens for 4k linescan cameras, magnification 0.240x, mount M42X1 FD=10.56

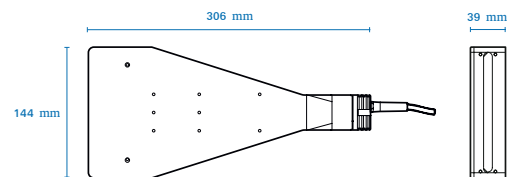


**LTDV1CH-17V** Strobe controller 1 channel variable current 5 mA - 17A

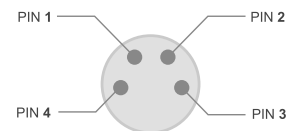


**CMMR4K120-V** 45° adjustable first surface mirror, clamping size 144x38.5 mm, right angle vertical bend

**CMMR4K120-L** 45° adjustable first surface mirror, clamping size 144x38.5 mm, right angle lateral 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) |





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**CB244P1500** Power cable, side 1 M8 connector straight, side 2 cable end - 2 m - type 1 labels

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**CB244P1500L** Power cable, side 1 M8 connector angled, side 2 cable end - 2 m - type 1 labels

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