

LTCL4K120-W

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

SPECIFICATIONS

Optical specifications

Light color, peak wavelength	(nm)	white
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 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)	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 ≤ 10 ms, duty cycle $\leq 10\%$ condition. Built-in electronics board must be bypassed (see tech info).

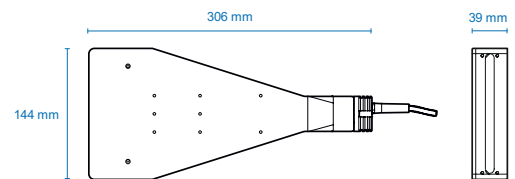
COMPATIBLE PRODUCTS

	TC4K series Flat telecentric lenses for 4k linescan cameras
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
	CMMR series 45° first surface mirrors
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

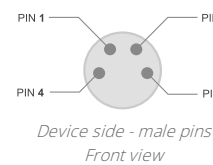
Electronics and cables
Power supplies, power and interface cables

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

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.



CONNECTION



Pinout reference

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



