



TCCXQ075-G

Telecentric assembly with coaxial illumination for 2/3" detectors, magnification 0.75x, green

SPECIFICATIONS

Optical specifications

Magnification	(x)	0.750
Image circle Ø	(mm)	11
Phase adjustment		
Object distance	(mm)	82.8

Object field of view

with 1/3" detector (4.8 x 3.6 mm)	(mm x mm)	6.40 x 4.80
with 1/2" detector (6.4 x 4.8 mm)	(mm x mm)	8.53 x 6.4
with 1/1.8" detector (7.13 x 5.37 mm)	(mm x mm)	9.51 x 7.11
with 2/3" - 5 MP detector (8.45 x 7.07 mm)	(mm x mm)	11.33 x 9.45

Electrical specifications

Light color, peak wavelength		green, 520 nm
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Device power ratings

DC voltage (min)	(V)	12
DC voltage (max)	(V)	24
Power consumption	(W)	< 2.5
Max LED fwd current ¹	(mA)	350

LED power ratings

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

Dimensions

Mount		C
Length	(mm)	155.0
Height	(mm)	64
Width	(mm)	213.5
Mass	(g)	1050

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 ±0.06V on forward voltage measurements.
- At pulse width ≤ 10 ms, duty cycle ≤ 10% condition. Built-in electronics board must be bypassed (see tech info).

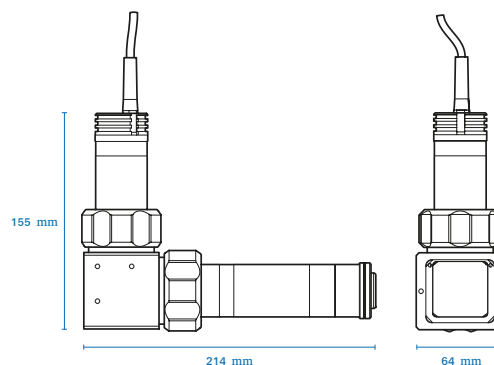
COMPATIBLE PRODUCTS



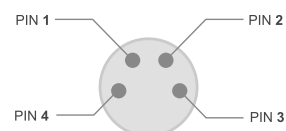
LTDV1CH-17V Strobe controller 1 channel variable current 5 mA - 17A



CMH016 Clamping mechanics for TCxx016 lenses and LTCLHP016-X illuminators



CONNECTION



Device side - male pins
Front view

Pinout reference

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

