

# TCCXQ100-W

Telecentric assembly with coaxial illumination for 2/3" detectors, magnification 1.00x, white

## SPECIFICATIONS

### Optical specifications

Magnification	(x)	1.000
Image circle Ø	(mm)	11
Object distance	(mm)	82.8

### Object field of view

with 1/3" detector (4.8 x 3.6 mm)	(mm x mm)	4.80 x 3.60
with 1/2" detector (6.4 x 4.8 mm)	(mm x mm)	6.4 x 4.8
with 1/1.8" detector (7.13 x 5.37 mm)	(mm x mm)	7.13 x 5.37
with 2/3" - 5 MP detector (8.45 x 7.07 mm)	(mm x mm)	8.45 x 7.07

### Electrical specifications

Light color, peak wavelength		white
------------------------------	--	-------

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

### Dimensions

Mount		C
Length	(mm)	155.0
Height	(mm)	64
Width	(mm)	182.5
Mass	(g)	998

### Eye safety

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

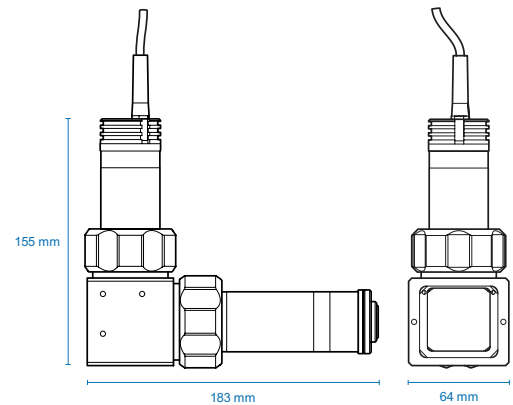
## NOTES

- 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).

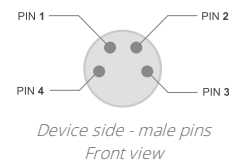
## COMPATIBLE PRODUCTS



CMHO016	Clamping mechanics for TCxx016 lenses and LTCLHP016-X illuminators
---------	--



## CONNECTION



### Pinout reference

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

