

# LTCLHP024-G

Telecentric HP illuminator, beam diameter 30 mm, green

## SPECIFICATIONS

### Optical specifications

Beam diameter	(mm)	30
Working distance range	(mm)	45 - 90
Light color, peak wavelength		green, 520 nm

### Mechanical specifications

Length (1)	(mm)	124.7
Outer diameter	(mm)	44
Mass	(g)	284

### Electrical specifications

#### Device power ratings

DC voltage minimum	(V)	12
DC voltage maximum	(V)	24
Power consumption	(W)	< 2.5
Max LED forward current (2)	(mA)	350
Cable		CB244P1500 included

#### LED power ratings

Forward voltage (typical) (3)	(V)	3.3
Forward voltage (max) (3)	(V)	4.00
Max pulse current (4)	(mA)	2000

#### Compatible telecentric lenses

Compatibility	TC12024, TC23024, TC4M024-X, TC2M024-X, TC16M009, TC16M012, TC16M018
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#### Eye safety

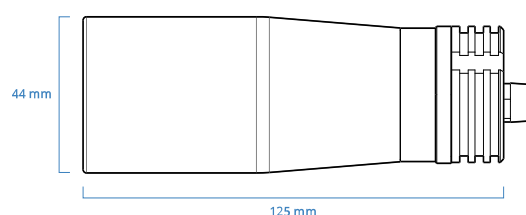
Risk group according to CEI EN 62471:2010	Risk group 1
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## NOTES

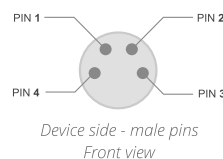
1. Nominal value, with no spacers in place.
2. Used in continuous (not pulsed) mode.
3. At max forward current. Tolerance is  $\pm 0.06V$  on forward voltage measurements.
4. At pulse width  $\leq 10$  ms, duty cycle  $\leq 10\%$  condition. Built-in electronics board must be bypassed (see tech info).

## COMPATIBLE PRODUCTS

CMHO024	Clamping mechanics for TCxx024 lenses and LTCLHP024-X illuminators
LTSCHP1W-G	Replacement LED module, green
LED1W-G	Replacement LED source, green
CB244P1500	Power cable, side 1 M8 connector straight, side 2 cable end - 2 m - type 1 labels



## CONNECTION



### Pinout reference

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

