

# LTCLHP120-R

Telecentric HP illuminator, beam diameter 150 mm, red

## Optical specifications

Beam diameter	(mm)	150
Working distance range	(mm)	220 ~ 440
Light color, peak wavelength		red, 630 nm

## Mechanical specifications

Length (1)	(mm)	408.2
Outer diameter	(mm)	180
Mass	(g)	4596

## Electrical specifications

### Device power ratings

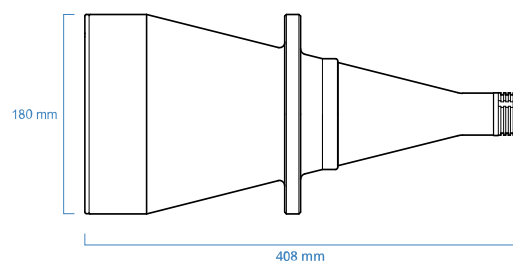
DC voltage minimum	(V)	12
DC voltage maximum	(V)	24
Power consumption	(W)	< 2.5
Max LED forward current (2)	(mA)	350

### LED power ratings

Forward voltage (typical) (3)	(V)	2.4
Forward voltage (max) (3)	(V)	3.00
Max pulse current (4)	(mA)	2000

## Compatible telecentric lenses

Compatibility	TC13120, TC23110, TC23120, TC4M110, TC4M120, TC2M120, TC16M120, TC12K120
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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



CMHO 120  
Clamping mechanics for TCxx110, TCxx120 lenses and LTCL120-X illuminators



LTSCHP 1W-R  
Replacement LED module, red



LED1W-R  
Replacement LED source for LTSCHP1W series, red



CB244P1500  
Power cable for LTSCHP1W LED modules