

# LTCLHP080-R

Telecentric HP illuminator, beam diameter 100 mm, red

## Optical specifications

Beam diameter	(mm)	100
Working distance range	(mm)	150 ~ 300
Light color, peak wavelength		red, 630 nm

## Mechanical specifications

Length (1)	(mm)	277.2
Outer diameter	(mm)	116
Mass	(g)	1348

## Electrical specifications

### Device power ratings

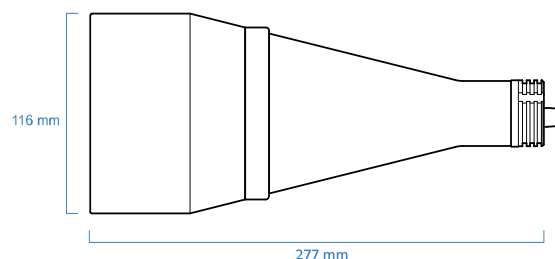
DC voltage minimum	(V)	12
DC voltage maximum	(V)	24
Power consumption	(W)	< 2.5
Max LED forward current (2)	(mA)	350

### 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	TC13080, TC12072, TC12080, TC4M072, TC4M080, TC2M080, TC16M080, TC12K080
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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 080  
Clamping mechanics for TCx072, TCx080, LTCL080-X illuminators and PCx030XS



LTSCHP 1W-R  
Replacement LED module, red



LED1W-R  
Replacement LED source for LTSCHP1W series, red



CB244P1500  
Power cable for LTSCHP1W LED modules