

# LTCLHP036-R

Telecentric HP illuminator, beam diameter 45 mm, red

## Optical specifications

Beam diameter	(mm)	45
Working distance range	(mm)	70 ~ 140
Light color, peak wavelength		red, 630 nm

## Mechanical specifications

Length (1)	(mm)	152.1
Outer diameter	(mm)	61
Mass	(g)	398

## 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

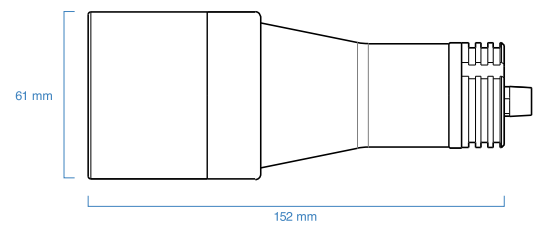
Forward voltage (typical) (3)	(V)	2.4
Forward voltage (max) (3)	(V)	3.00
Max pulse current (4)	(mA)	2000

## Compatible telecentric lenses

Compatibility	TC13036, TC12036, TC23036, TC13036, TC2M036, TC4M036, TC16M036
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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 036  
Clamping mechanics for TCx036 lenses and LTCL036-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