

LTCLHP144-R

Telecentric HP illuminator, beam diameter 180 mm, red

Optical specifications

Beam diameter	(mm)	180
Working distance range	(mm)	270 ~ 540
Light color, peak wavelength		red, 630 nm

Mechanical specifications

Length (1)	(mm)	467.2
Outer diameter	(mm)	200
Mass	(g)	5731

Electrical specifications

Device power ratings

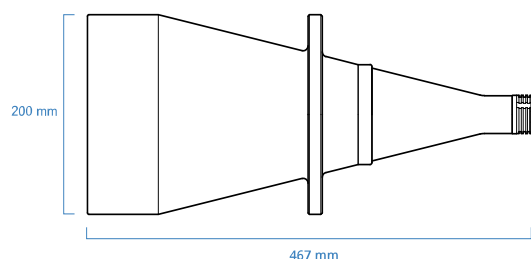
DC voltage minimum	(V)	12
DC voltage maximum	(V)	24
Power consumption	(W)	< 2.5
Max LED forward current (2)	(mA)	350

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	TC12144, TC23130, TC23144, TC4M130, TC4M144, TC2M144, TC16M144, TC12K144
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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 ≤ 10 ms, duty cycle $\leq 10\%$ condition. Built-in electronics board must be bypassed (see tech info).

COMPATIBLE PRODUCTS



CMHO 144
Clamping mechanics for TCxx130, TCxx144 lenses and LTCL144-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