

# LTCLHP120-W

Telecentric HP illuminator, beam diameter 150 mm, white

## Optical specifications

|                              |      |           |
|------------------------------|------|-----------|
| Beam diameter                | (mm) | 150       |
| Working distance range       | (mm) | 220 ~ 440 |
| Light color, peak wavelength |      | white     |

## Mechanical specifications

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

## Electrical specifications

### Device power ratings

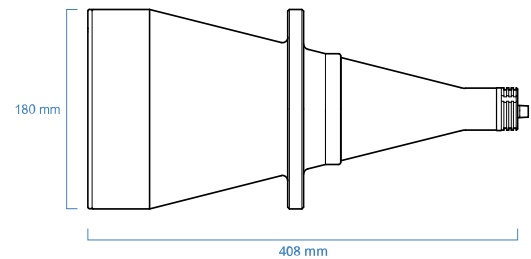
|                             |      |       |
|-----------------------------|------|-------|
| DC voltage minimum          | (V)  | 12    |
| DC voltage maximum          | (V)  | 24    |
| Power consumption           | (W)  | < 2.5 |
| Max LED forward current (2) | (mA) | 350   |

### LED power ratings

|                               |      |      |
|-------------------------------|------|------|
| Forward voltage (typical) (3) | (V)  | 2.78 |
| Forward voltage (max) (3)     | (V)  | n.a. |
| Max pulse current (4)         | (mA) | 2000 |

## Compatible telecentric lenses

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



## 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-W  
Replacement LED module, white



LED1W-W  
Replacement LED source for LTSCHP1W series, white



CB244P1500  
Power cable for LTSCHP1W LED modules