LTCLHP192-R
Telecentric H® illuminator, beam diameter 250 mm, red

SPECIFICATIONS

Optical specifications
Beam diameter (mm) 250
Working distance range (mm) 350 - 700
Light color, peak wavelength red, 630 nm

Mechanical specifications
Length (1) (mm) 608.2
Outer diameter (mm) 260
Mass (g) 9799

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
Cable CB244P1500 included

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 TC23172, TCxx192, TCxMHR192-x, TC12X192

Eye safety
Risk group according to CEI EN 62471:2010 Exempt

NOTES
1. Opto Engineering® recommends green light for high precision measurement applications.
2. Nominal value, with no spacers in place.

COMPATIBLE PRODUCTS

TC23172 Bi-telecentric lens for 2/3" detectors, magnification 0.051 x, C-mount
TC13192 Bi-telecentric lens for 1/3" detectors, magnification 0.025 x, C-mount
TC12192 Bi-telecentric lens for 1/2" detectors, magnification 0.033 x, C-mount
TC23192 Bi-telecentric lens for 2/3" detectors, magnification 0.046 x, C-mount

TC2MH192-C High resolution telecentric lens for 1" detectors, magnification 0.057x, C-mount
TC2MH192-F High resolution telecentric lens for 1" detectors, magnification 0.057x, F-mount
TC2MH192-E High resolution telecentric lens for 1" detectors, magnification 0.057x, mount M42X1 FD=16
TC4MH192-C High resolution telecentric lens for 1.2" detectors, magnification 0.039x, C-mount
TC4MH192-F High resolution telecentric lens for 1.2" detectors, magnification 0.039x, F-mount
TC4MH192-E High resolution telecentric lens for 1.2" detectors, magnification 0.039x, mount M42X1 FD=16
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<tr>
<th>Code</th>
<th>Description</th>
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<td>TC16M192</td>
<td>Telecentric lens for 35 mm detectors, magnification 0.187x, F-mount</td>
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<td>TC16M192-Q</td>
<td>Telecentric lens for 35 mm detectors, magnification 0.187x, M58x0.75 FD = 6.56</td>
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<td>TC12K192</td>
<td>Telecentric lens for 12k and 16k linescan cameras, magnification 0.320 x, M72 x 0.75 mount</td>
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<td>TCDP2X192</td>
<td>Double magnification bi-telecentric lens, for detectors up to 2/3&quot;</td>
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<td>TCDP4X192</td>
<td>Double magnification bi-telecentric lens, for detectors up to 2/3&quot;</td>
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<td>CMHO192R</td>
<td>Clamping mechanics for TCxx192 lenses and LTCLHP192-X illuminators rotation type</td>
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<td>LT5CHP1W-R</td>
<td>Replacement LED module, red</td>
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<td>CB244P1500</td>
<td>Power cable, side 1 M8 connector straight, side 2 cable end - 2 m - type 1 labels</td>
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<td>CB244P1500L</td>
<td>Power cable, side 1 M8 connector angled, side 2 cable end - 2 m - type 1 labels</td>
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<tr>
<td>CPDPH01</td>
<td>Diffuser cap for LTCLHP illuminators</td>
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