LTCLHP024-W
Telecentric HP illuminator, beam diameter 30 mm, white

SPECIFICATIONS

Optical specifications
Beam diameter (mm) 30
Working distance range (mm) 45 - 90
Light color, peak wavelength white

Mechanical specifications
Length (1) (mm) 124.7
Outer diameter (mm) 44
Mass (g) 284

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) 2.78
Forward voltage (max) (3) (V) -
Max pulse current (4) (mA) 2000

Compatible telecentric lenses
Compatibility TCx2020, TCxMHR024-x, TC16M009-x, TC16M012-x, TC16M018-x

Eye safety
Risk group according to CEI EN 62471-2010 Risk group 1

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

COMPATIBLE PRODUCTS

TC13024 Bi-telecentric lens for 1/3" detectors, magnification 0.192 x, C-mount
TC12024 Bi-telecentric lens for 1/2" detectors, magnification 0.255 x, C-mount
TC23024 Bi-telecentric lens for 2/3" detectors, magnification 0.350 x, C-mount

TC2MHR024-C High resolution telecentric lens for 1" detectors, magnification 0.508x, C-mount
TC2MHR024-F High resolution telecentric lens for 1" detectors, magnification 0.508x, F-mount
TC2MH024-E High resolution telecentric lens for 1" detectors, magnification 0.508x, mount M42X1 FD=16
TC4MHR024-C High resolution telecentric lens for 1.2" detectors, magnification 0.700x, C-mount
TC4MHR024-F High resolution telecentric lens for 1.2" detectors, magnification 0.700x, F-mount
TC4MH024-E High resolution telecentric lens for 1.2" detectors, magnification 0.700x, mount M42X1 FD=16
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<td>TC16M009</td>
<td>Telecentric lens for 35 mm detectors, magnification 4.000 x, F-mount</td>
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<td>TC16M009-Q</td>
<td>Telecentric lens for 35 mm detectors, magnification 4.000 x, mount M58x0.75 FD = 6.56</td>
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<td>TC16M012</td>
<td>Telecentric lens for 35 mm detectors, magnification 3.000 x, F-mount</td>
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<td>TC16M012-Q</td>
<td>Telecentric lens for 35 mm detectors, magnification 3.000 x, mount M58x0.75 FD = 6.56</td>
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<td>TC16M018</td>
<td>Telecentric lens for 35 mm detectors, magnification 2.000 x, F-mount</td>
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<td>TC16M018-Q</td>
<td>Telecentric lens for 35 mm detectors, magnification 2.000 x, mount M58x0.75 FD = 6.56</td>
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<td>CMH0024</td>
<td>Clamping mechanics for TCxx024 lenses and LTCLHP024-X Illuminators</td>
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<td>LT5CHP1W-W</td>
<td>Replacement LED module, white</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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<tr>
<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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<td>CPDPH01</td>
<td>Diffuser cap for LTCL-HP Illuminators</td>
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<td>Replacement LED source, white</td>
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