LTCLHP024-G
Telecentric HP illuminator, beam diameter 30 mm, green

SPECIFICATIONS

Optical specifications

Beam diameter (mm) 30
Working distance range (mm) 45 - 90
Light color, peak wavelength green, 520 nm

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 CB24AP1500 included

LED power ratings
Forward voltage (typical) (3) (V) 3.3
Forward voltage (max) (3) (V) 4.00
Max pulse current (4) (mA) 2000

Compatible telecentric lenses
Compatibility TCxx024, TCxMH024-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

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
TC2MHR024-E - High resolution telecentric lens for 1" detectors, magnification 0.508x, mount M42X1 F=16
TC4MHR024-C - High resolution telecentric lens for 1.25" detectors, magnification 0.700x, C-mount
TC4MHR024-F - High resolution telecentric lens for 1.25" detectors, magnification 0.700x, F-mount
TC4MHR024-E - High resolution telecentric lens for 1.25" detectors, magnification 0.700x, mount M42X1 F=16
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<th>Code</th>
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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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<tr>
<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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<tr>
<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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<tr>
<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>LTSCHP1W-G</td>
<td>Replacement LED module, green</td>
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<tr>
<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 LTCLHP Illuminators</td>
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<tr>
<td>LED1W-G</td>
<td>Replacement LED source, green</td>
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