LTCLHP016-G
Telecentric HP illuminator, beam diameter 20 mm, green

SPECIFICATIONS

Optical specifications
Beam diameter (mm) 20
Working distance range (mm) 35 - 70
Light color, peak wavelength green, 520 nm

Mechanical specifications
Length (1) (mm) 99.9
Outer diameter (mm) 38
Mass (g) 195

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) 3.3
Forward voltage (max) (3) (V) 4.00
Max pulse current (4) (mA) 2000

Compatible telecentric lenses
Compatibility TCxx016, TC4MHR016-x, TC2MHR016-x, TCLWD series

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

TC12016 Bi-telecentric lens for 1/2" detectors, magnification 0.385 x, C-mount
TC23016 Bi-telecentric lens for 2/3" detectors, magnification 0.528 x, C-mount

TC2MHR016-C High resolution telecentric lens for 1" detectors, magnification 0.767x, C-mount
TC2MHR016-F High resolution telecentric lens for 1" detectors, magnification 0.767x, F-mount
TC2MHR016-E High resolution telecentric lens for 1" detectors, magnification 0.767x, mount M42X1 F0=16
TC4MHR016-C High resolution telecentric lens for 1.2" detectors, magnification 1.055x, C-mount
TC4MHR016-F High resolution telecentric lens for 1.2" detectors, magnification 1.055x, F-mount
TC4MHR016-E High resolution telecentric lens for 1.2" detectors, magnification 1.055x, mount M42X1 F0=16
<table>
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<tr>
<th>Code</th>
<th>Description</th>
<th>Details</th>
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<tr>
<td>TCLWD050</td>
<td>Long working distance telecentric lens for 2/3&quot; detectors, WD 132.3 mm, magnification 0.50x, C-mount</td>
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<td>TCLWD066</td>
<td>Long working distance telecentric lens for 2/3&quot; detectors, WD 132.3 mm, magnification 0.66x, C-mount</td>
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<td>TCLWD075</td>
<td>Long working distance telecentric lens for 2/3&quot; detectors, WD 132.3 mm, magnification 0.75x, C-mount</td>
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<td>Long working distance telecentric lens for 2/3&quot; detectors, WD 132.3 mm, magnification 1.00x, C-mount</td>
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<td>Long working distance telecentric lens for 2/3&quot; detectors, WD 132.3 mm, magnification 1.50x, C-mount</td>
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<td>Long working distance telecentric lens for 2/3&quot; detectors, WD 132.3 mm, magnification 2.50x, C-mount</td>
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<td>TCLWD350</td>
<td>Long working distance telecentric lens for 2/3&quot; detectors, WD 132.3 mm, magnification 3.50x, C-mount</td>
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<td>CMBS016</td>
<td>45° beam splitter with mount for 37.7 mm clamping diameter optics</td>
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<td>CMH0016</td>
<td>Clamping mechanics for TCxx016 lenses and LTCLHP016-X Illuminators</td>
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<td>LT5CHIP1W-G</td>
<td>Replacement LED module, green</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>CPD01201</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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