PRODUCT DATASHEET

LTCLHP036-W
Telecentric HP illuminator, beam diameter 45 mm, white

SPECIFICATIONS

Optical specifications
- Beam diameter (mm): 45
- Working distance range (mm): 70 - 140
- Light color, peak wavelength: white

Mechanical specifications
- Length (1) (mm): 152.1
- Outer diameter (mm): 61
- Mass (g): 398

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) (V): -
- Max pulse current (4) (mA): 2000

Compatible telecentric lenses
- Compatibility: TCx036, TCxH036-x, TC16M036-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

TC13036 - Bi-telecentric lens for 1/3" detectors, magnification 0.133 x, C-mount
TC12036 - Bi-telecentric lens for 1/2" detectors, magnification 0.177 x, C-mount
TC23036 - Bi-telecentric lens for 2/3" detectors, magnification 0.243 x, C-mount

TC2MHR036-C - High resolution telecentric lens for 1" detectors, magnification 0.353x, C-mount
TC2MHR036-F - High resolution telecentric lens for 1" detectors, magnification 0.353x, F-mount
TC2MHR036-E - High resolution telecentric lens for 1" detectors, magnification 0.353x, mount M42x1 F3=16
TC4MHR036-C - High resolution telecentric lens for 1.2" detectors, magnification 0.486x, C-mount
TC4MHR036-F - High resolution telecentric lens for 1.2" detectors, magnification 0.486x, F-mount
TC4MHR036-E - High resolution telecentric lens for 1.2" detectors, magnification 0.486x, mount M42x1 F3=16
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TC16M036</td>
<td>Telecentric lens for 35 mm detectors, magnification 1.000 x, f-mount</td>
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<tr>
<td>TC16M036-Q</td>
<td>Telecentric lens for 35 mm detectors, magnification 1.000 x, mount M5x0.75 FO ν=6.56</td>
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<tr>
<td>CB5036</td>
<td>45° beam splitter with mount for 61 mm clamping diameter optics</td>
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<tr>
<td>CMMR036</td>
<td>45° first surface mirror for 61 mm clamping diameter optics</td>
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<tr>
<td>W036</td>
<td>Protective window for 61 mm clamping diameter optics</td>
</tr>
<tr>
<td>CMHO036</td>
<td>Clamping mechanics for TCoo36 lenses and LTCLHPG36-X Illuminators</td>
</tr>
<tr>
<td>LTSCHP1W-W</td>
<td>Replacement LED module, white</td>
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<tr>
<td>CB244P1500</td>
<td>Power cable, side 1 MII connector straight, side 2 cable end - 2 m - type 1 labels</td>
</tr>
<tr>
<td>CB244P1500L</td>
<td>Power cable, side 1 MII connector angled, side 2 cable end - 2 m - type 1 labels</td>
</tr>
<tr>
<td>CPDPH01</td>
<td>Diffuser cap for LTCLIP Illuminators</td>
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<tr>
<td>LED1W-W</td>
<td>Replacement LED source, white</td>
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</tbody>
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