LTCLHP240-R
Telecentric HP illuminator, beam diameter 300 mm, red

SPECIFICATIONS

Optical specifications
Beam diameter (mm) 300
Working distance range (mm) 350 - 700
Light color, peak wavelength red, 630 nm

Mechanical specifications
Length (1) (mm) 769.2
Outer diameter (mm) 322
Mass (g) 18192

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 TC23200, TC23240, TCxMHR240-x

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

TC23200 Bi-telecentric lens for 2/3" detectors, magnification 0.044 x, C-mount
TC23240 Bi-telecentric lens for 2/3" detectors, magnification 0.037 x, C-mount

TC2MHR240-C High resolution telecentric lens for 1" detectors, magnification 0.053x, C-mount
TC2MHR240-F High resolution telecentric lens for 1" detectors, magnification 0.053x, F-mount
TC2MHR240-E High resolution telecentric lens for 1" detectors, magnification 0.053x, mount M42X1 FD=16
TC4MHR240-C High resolution telecentric lens for 1.2" detectors, magnification 0.073x, C-mount
TC4MHR240-F High resolution telecentric lens for 1.2" detectors, magnification 0.073x, F-mount
TC4MHR240-E High resolution telecentric lens for 1.2" detectors, magnification 0.073x, mount M42X1 FD=16

CMHQ240R Clamping mechanics rotation for TCxx240 lenses and LTCLHP240-X illuminators rotation
<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
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<tbody>
<tr>
<td>LTSCHP1W-R</td>
<td>Replacement LED module, red</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>
</tr>
<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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<tr>
<td>CPDPH01</td>
<td>Diffuser cap for LTCLHP Illuminators</td>
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<tr>
<td>LED1W-R</td>
<td>Replacement LED source, red</td>
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