

ILONA-RS

~10° spot beam

TECHNICAL SPECIFICATIONS:

| | |
|----------------|-----------|
| Dimensions | Ø 49.8 mm |
| Height | 29.3 mm |
| Fastening | socket |
| ROHS compliant | yes ⓘ |

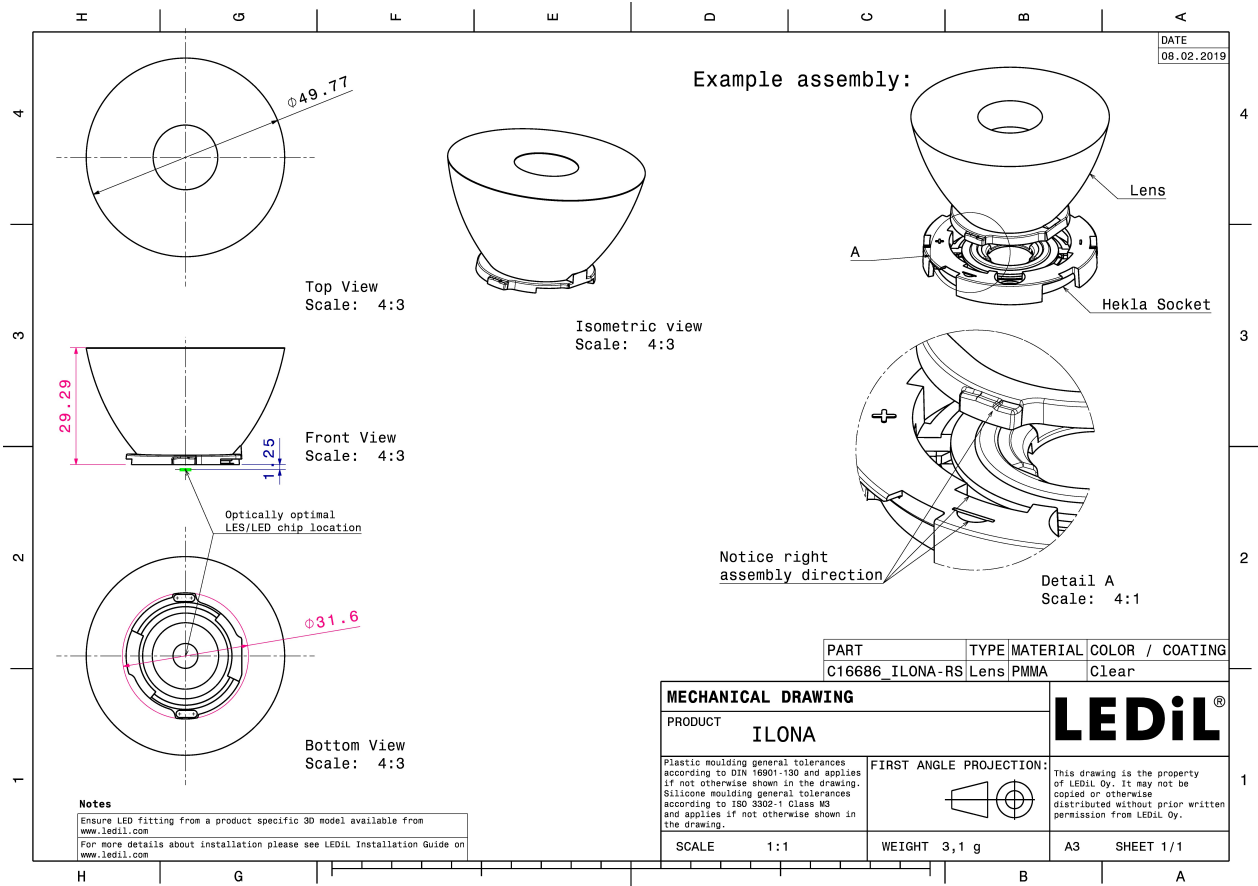
MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour | Finish |
|-----------|-------------|----------|--------|--------|
| ILONA-RS | Single lens | PMMA | clear | |





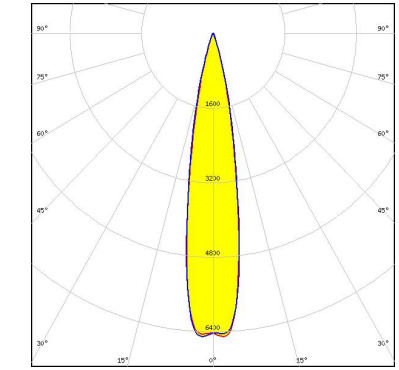


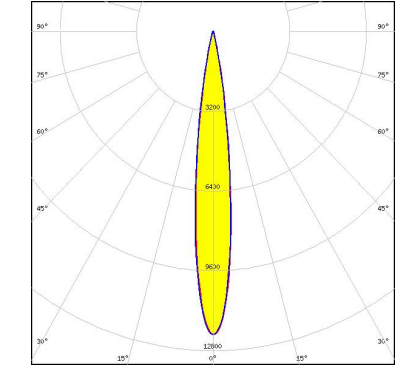

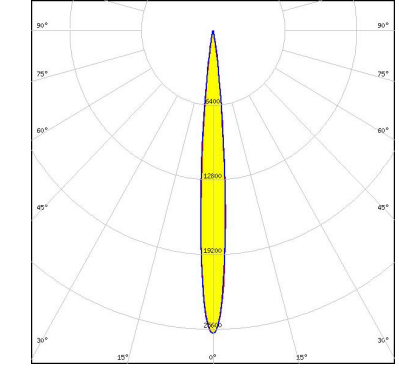

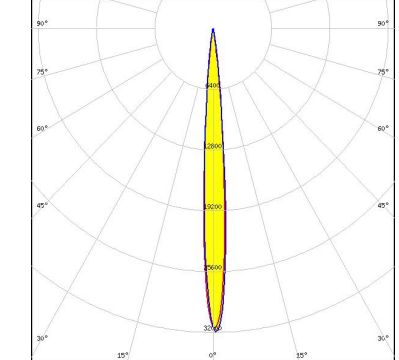
ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|------------|-----|-----|-----------------|
| C16686_ILONA-RS » Box size: 480 x 280 x 300 mm | 297 | 99 | 33 | 10.8 |


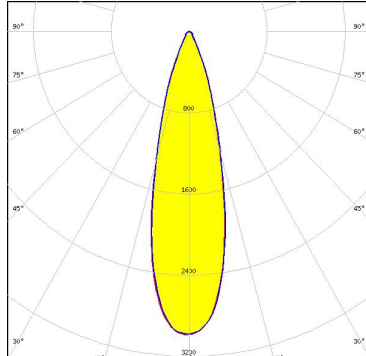

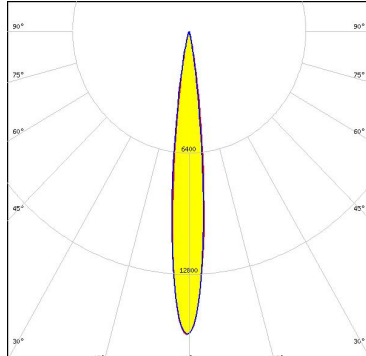

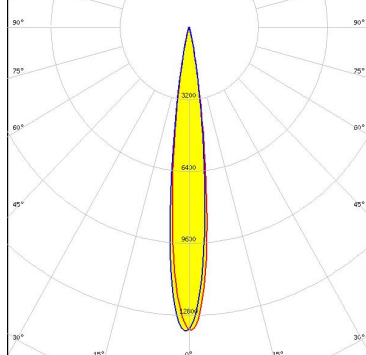

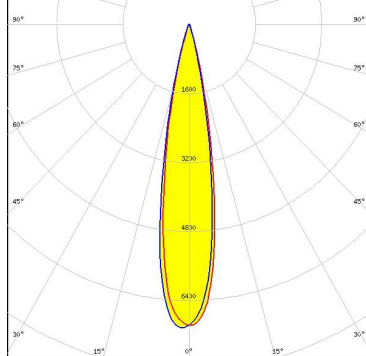


See also our general installation guide: www.ledil.com/installation_guide


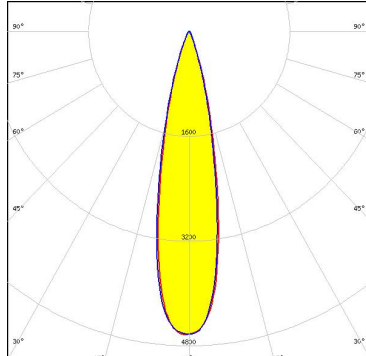

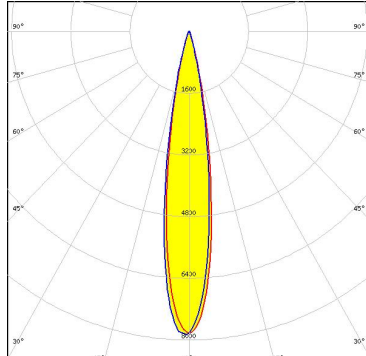
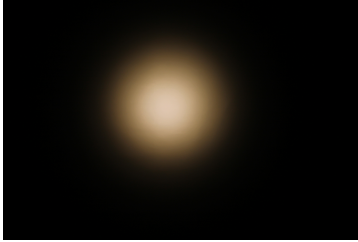
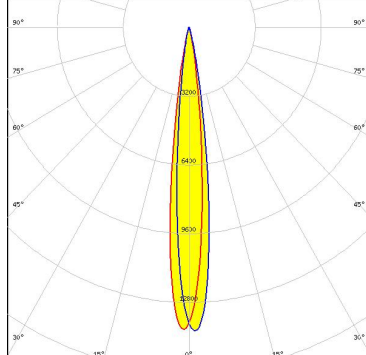

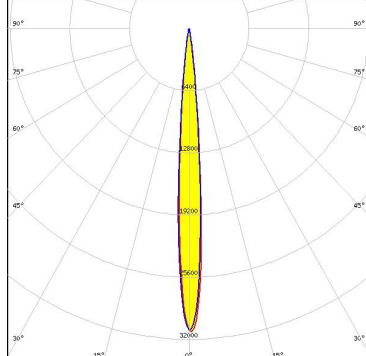
PHOTOMETRIC DATA (MEASURED):

| | | |
|---|--|---|
| <p></p> <p>LED Vesta DTW 9mm (4W/6W/12W) FWHM 19.0° Efficiency 93 % Peak intensity 6.5 cd/lm LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p> |  |  |
| <p></p> <p>LED Vesta TW 6mm DP FWHM 14.0° Efficiency 91 % Peak intensity 12.2 cd/lm LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 504 Typ L8</p> |  |  |
| <p>CITIZEN</p> <p>LED CLU7A2 (LES 4.2mm) FWHM 9.0° Efficiency 94 % Peak intensity 26 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p> |  |  |
| <p>CITIZEN</p> <p>LED CLU7B2 FWHM 8.0° Efficiency 94 % Peak intensity 32.2 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p> |  |  |


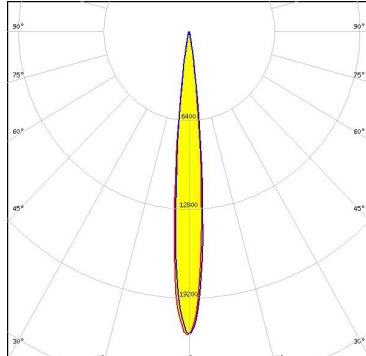
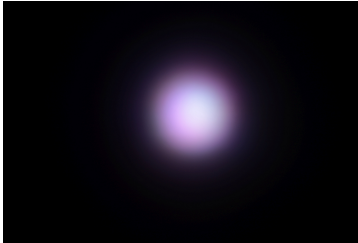
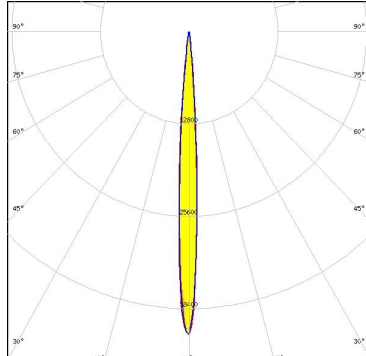
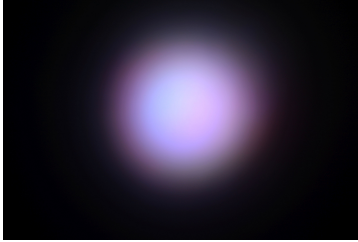
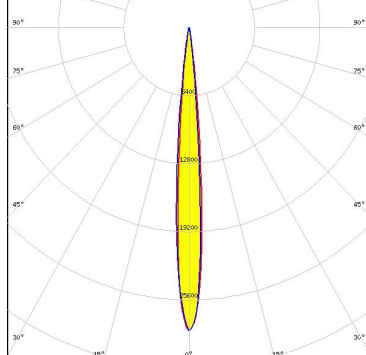

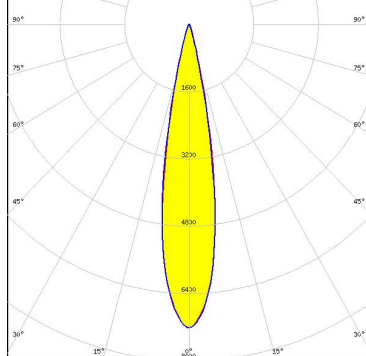
PHOTOMETRIC DATA (MEASURED):

| | | |
|--|--|---|
| <p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB L08 (Gen2)</p> <p>FWHM 28.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 3 cd/Im</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 637a Hekla</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S01H4</p> <p>FWHM 12.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 16 cd/Im</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6</p> <p>FWHM 13.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 13.6 cd/Im</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S04H9</p> <p>FWHM 19.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 7 cd/Im</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p> |  |  |

PHOTOMETRIC DATA (MEASURED):

| | | |
|--|--|---|
| <p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB L04 / L05 (Gen2)</p> <p>FWHM 23.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 4.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 637a Hekla</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB M02 / M03 (Gen2)</p> <p>FWHM 17.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 7.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 641a Hekla</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB S01 (Gen2)</p> <p>FWHM 12.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 14.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p> |  |  |
| <p>LUMINUS</p> <p>LED CXM-3</p> <p>FWHM 9.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 31.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p> |  |  |

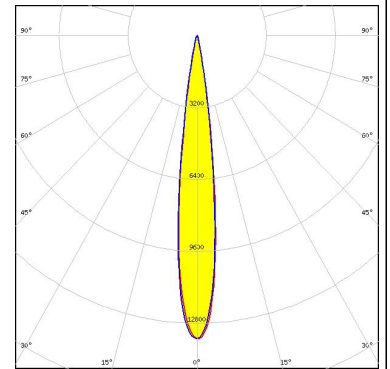
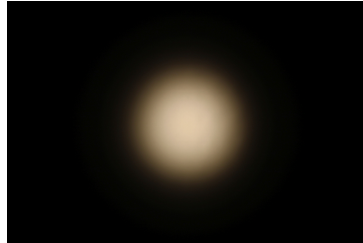
PHOTOMETRIC DATA (MEASURED):

| | | |
|--|--|---|
| <p>LUMINUS</p> <p>LED CXM-4 FWHM 10.0° Efficiency 94 % Peak intensity 21.9 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p> |  |  |
| <p>OSRAM Opto Semiconductors</p> <p>LED OSTAR Stage (S2WN) FWHM 7.0° Efficiency 94 % Peak intensity 42.7 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I</p> |  |  |
| <p>OSRAM Opto Semiconductors</p> <p>LED OSTAR Stage (S2WP) FWHM 9.0° Efficiency 94 % Peak intensity 29.2 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I</p> |  |  |
| <p>TRIDONIC</p> <p>LED SLE G7 LES09 FWHM 20.0° Efficiency 95 % Peak intensity 7.2 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p> |  |  |

PHOTOMETRIC DATA (MEASURED):

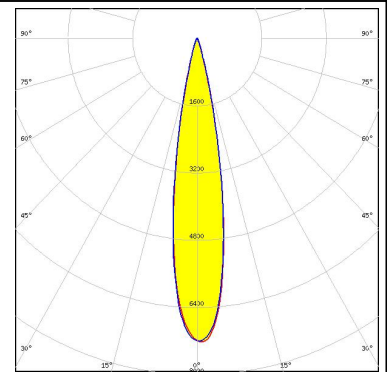
XICATO

LED XOB 6 mm
FWHM 14.0°
Efficiency 93 %
Peak intensity 13.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



XICATO

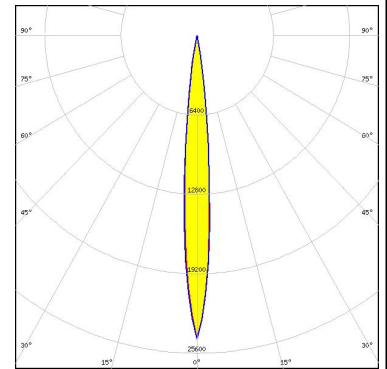
LED XOB 9.8 mm
FWHM 19.0°
Efficiency 94 %
Peak intensity 7.2 cd/Im
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (SIMULATED):

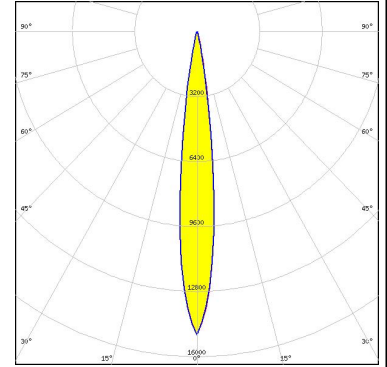
bridgelux.

LED V4 HD
 FWHM 10.0°
 Efficiency 95 %
 Peak intensity 24.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 FP15490_HEKLA-A



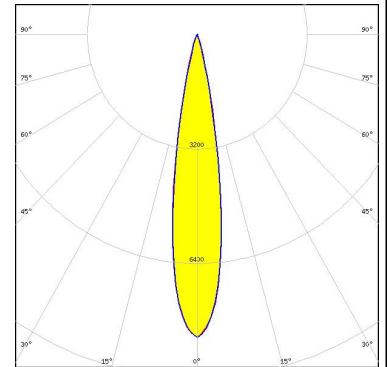
bridgelux.

LED V6 HD
 FWHM 12.0°
 Efficiency 94 %
 Peak intensity 14.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



bridgelux.

LED V9 HD
 FWHM 18.0°
 Efficiency 94 %
 Peak intensity 8.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



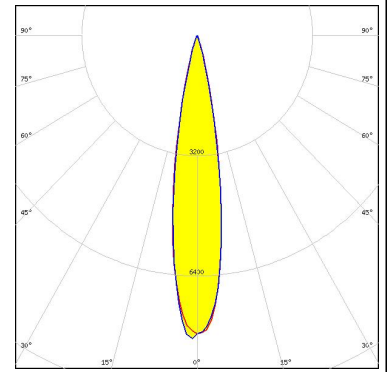
bridgelux.

LED Vero SE 10
 FWHM 16.0°
 Efficiency 94 %
 Peak intensity 7.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

PHOTOMETRIC DATA (SIMULATED):

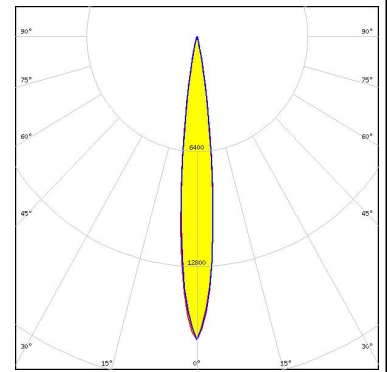
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 18.0°
 Efficiency 93 %
 Peak intensity 8.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 FP15501_HEKLA-C



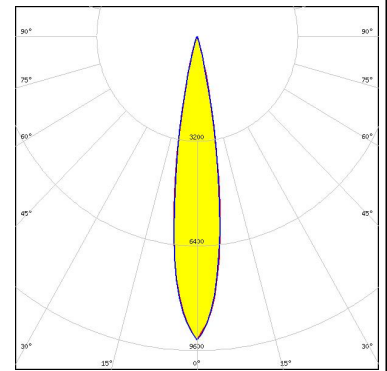
CITIZEN

LED CLU700/701/702
 FWHM 12.0°
 Efficiency 94 %
 Peak intensity 16.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 FP15501_HEKLA-C



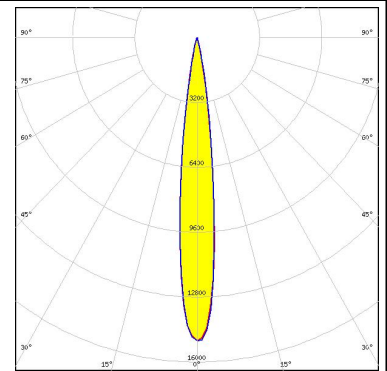
CITIZEN

LED CLU710/711
 FWHM 17.0°
 Efficiency 92 %
 Peak intensity 9.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 FP15949_HEKLA-I



CREE

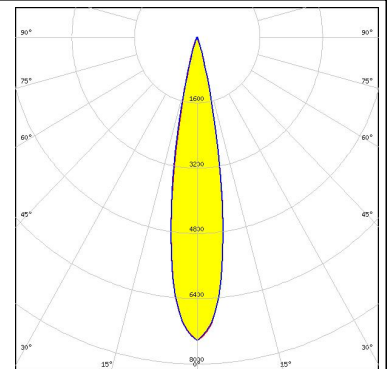
LED CXA/B 13xx
 FWHM 13.0°
 Efficiency 93 %
 Peak intensity 15 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 FP15957_HEKLA-J



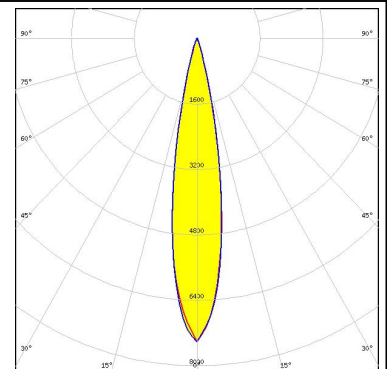
PHOTOMETRIC DATA (SIMULATED):



LED CXA/B 15xx
FWHM 20.0°
Efficiency 92 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17436_HEKLA-G2-D



LED LUXEON CoB 1202/1203
FWHM 18.0°
Efficiency 93 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17437_HEKLA-G2-H



LED LUXEON CoB 1202s
FWHM 12.0°
Efficiency 95 %
Peak intensity 15.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15858_HEKLA-SOCKET-H

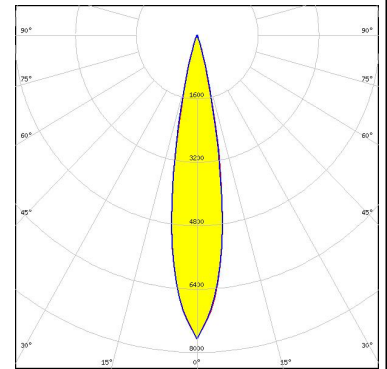


LED LUXEON CoB 1204/1205
FWHM 26.0°
Efficiency 94 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

PHOTOMETRIC DATA (SIMULATED):

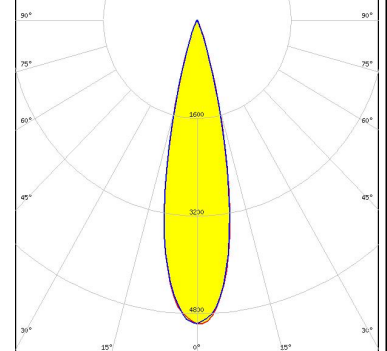
LUMILEDS

LED LUXEON CoB 1204HD
 FWHM 20.0°
 Efficiency 94 %
 Peak intensity 7.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17437_HEKLA-G2-H



LUMILEDS

LED LUXEON CoB 1205HD
 FWHM 24.0°
 Efficiency 94 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17437_HEKLA-G2-H

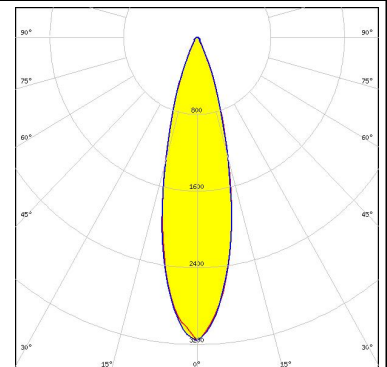


LUMILEDS

LED LUXEON CoB 1208
 FWHM 28.0°
 Efficiency 91 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

LUMILEDS

LED LUXEON CoB 1208
 FWHM 27.0°
 Efficiency 91 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K



PHOTOMETRIC DATA (SIMULATED):

| | |
|--|--|
| <p>LUMINUS</p> <p>LED CxM-6 (13.5x13.5) FWHM 14.0° Efficiency 94 % Peak intensity 13.4 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p> | |
| <p>NICHIA</p> <p>LED COB S-Type (LES 6) FWHM 12.0° Efficiency 93 % Peak intensity 15.6 cd/lm LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G</p> | |
| <p>NICHIA</p> <p>LED COB S-Type (LES 6) FWHM 12.0° Efficiency 93 % Peak intensity 15.4 cd/lm LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G</p> | |
| <p>NICHIA</p> <p>LED COB S-Type (LES 7) FWHM 16.0° Efficiency 95 % Peak intensity 11.6 cd/lm LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G</p> | |

PHOTOMETRIC DATA (SIMULATED):

| | |
|--|--|
| <p>NICHIA</p> <p>LED NFSWE11A FWHM 18.0° Efficiency 88 % Peak intensity 8.4 cd/lm LEDs/each optic 30 Light colour White Required components: C16142_HEKLA-SOCKET-K</p> | |
| <p>SAMSUNG</p> <p>LED LC010C FWHM 14.0° Efficiency 94 % Peak intensity 14.4 cd/lm LEDs/each optic 1 Light colour White Required components: FP15947_HEKLA-G</p> | |
| <p>SAMSUNG</p> <p>LED LC020C FWHM 14.0° Efficiency 94 % Peak intensity 13.5 cd/lm LEDs/each optic 1 Light colour White Required components: F17438_HEKLA-G2-I</p> | |

GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy

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Hong Kong, China

Distribution Partners

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