

CARMEN-RS-C-WHT

~10° spot beam. Assembly with holder C compatible with HEKLA sockets and connectors. White version.

TECHNICAL SPECIFICATIONS:

| | |
|----------------|-----------|
| Dimensions | Ø 69.5 mm |
| Height | 41.5 mm |
| Fastening | socket |
| ROHS compliant | yes ⓘ |

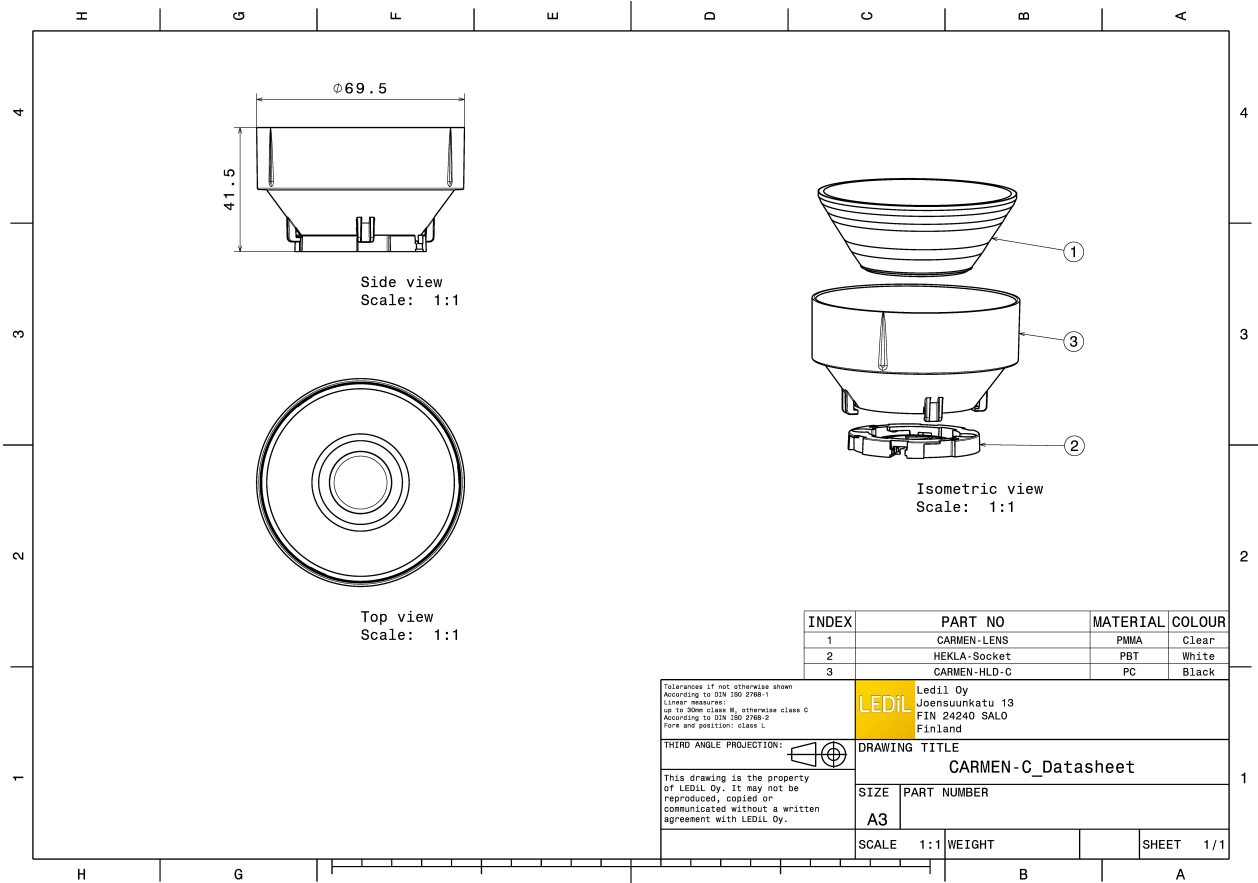
MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour | Finish |
|------------------|-------------|----------|--------|--------|
| CARMEN-RS | Single lens | PMMA | clear | |
| CARMEN-HLD-C-WHT | Holder | PC | white | |


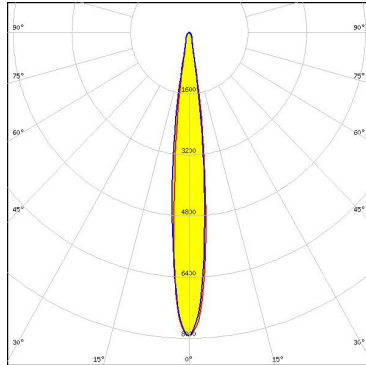
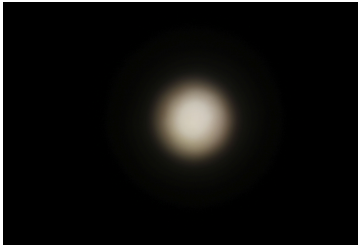
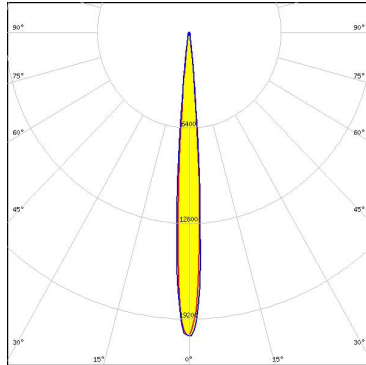

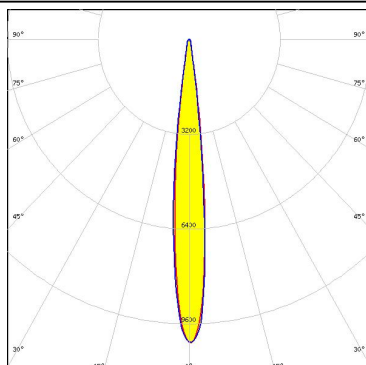
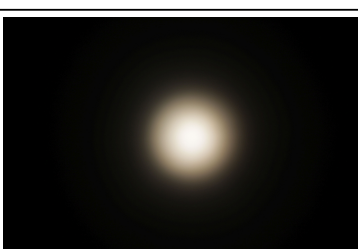
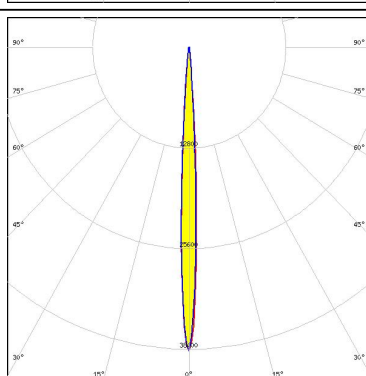


ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CP16940_CARMEN-RS-C-WHT | Single lens | 150 | 150 | 15 | 8.8 |
| » Box size: 480 x 280 x 300 mm | | | | | |



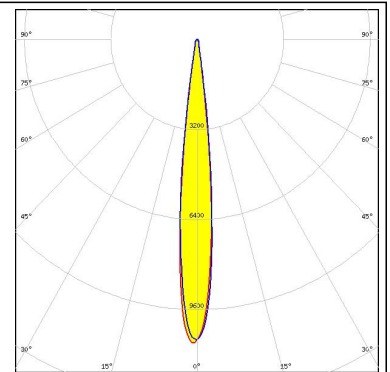
PHOTOMETRIC DATA (MEASURED):

| | | |
|---|--|---|
| <p>bridgelux</p> <p>LED Vesta TW 9mm (9W) DP FWHM 12.0° Efficiency 83 % Peak intensity 7.9 cd/lm LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 489 Typ L8</p> |  |  |
| <p>CITIZEN</p> <p>LED CLU700/701/702 FWHM 8.0° Efficiency 86 % Peak intensity 20.4 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p> |  |  |
| <p>CITIZEN</p> <p>LED CLU710/711 FWHM 12.0° Efficiency 83 % Peak intensity 10.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I</p> |  |  |
| <p>CITIZEN</p> <p>LED CLU7B2 FWHM 6.0° Efficiency 87 % Peak intensity 38.6 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p> |  |  |

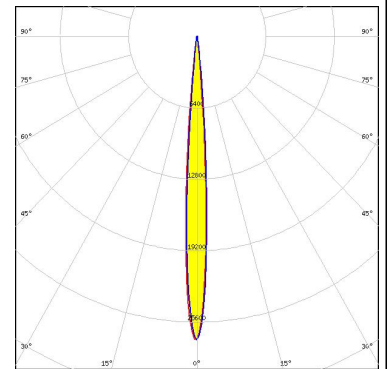
PHOTOMETRIC DATA (MEASURED):



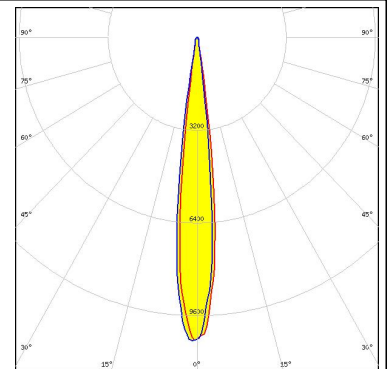
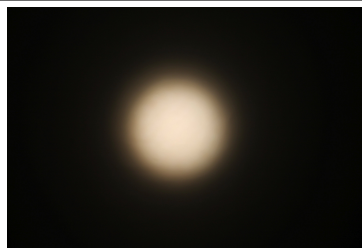
LED CXA/B 15xx
 FWHM 12.0°
 Efficiency 85 %
 Peak intensity 10.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



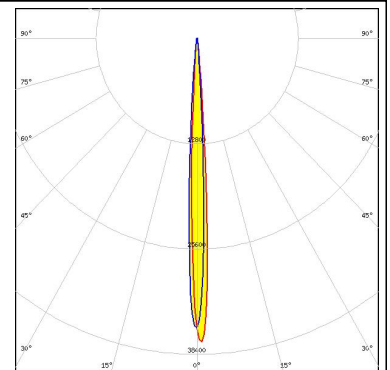
LED LUXEON CX Plus CoB - HD S01H4
 FWHM 8.0°
 Efficiency 87 %
 Peak intensity 27.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Lena



LED LUXEON CX Plus CoB - HD S04H9
 FWHM 13.0°
 Efficiency 86 %
 Peak intensity 10.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



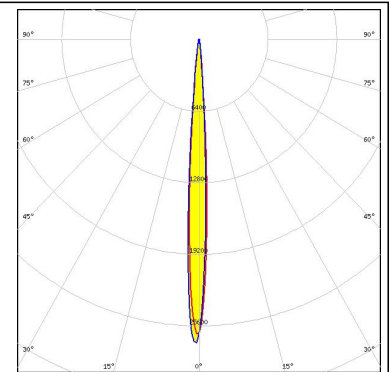
LED CXM-3
 FWHM 6.0°
 Efficiency 88 %
 Peak intensity 36.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



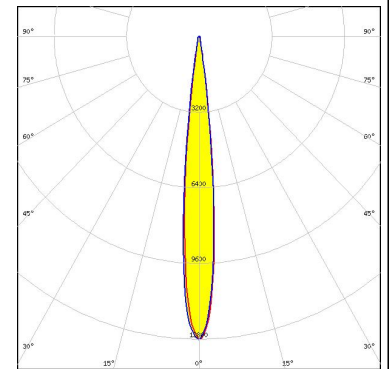
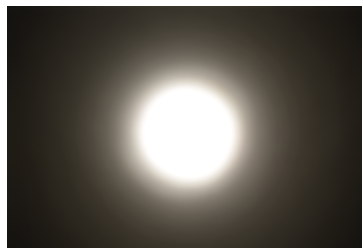
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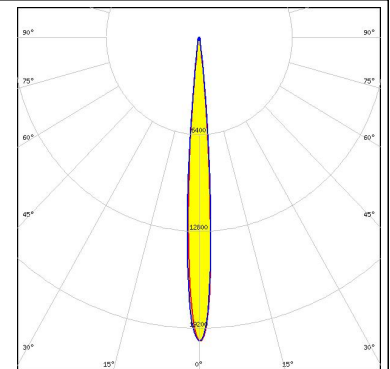
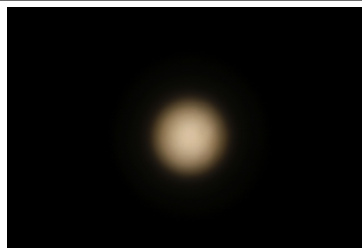
LED CXM-4
 FWHM 7.0°
 Efficiency 86 %
 Peak intensity 27.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



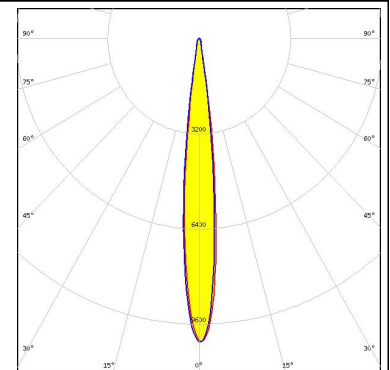
LED LC020C
 FWHM 11.0°
 Efficiency 84 %
 Peak intensity 13 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



LED XOB 6 mm
 FWHM 9.0°
 Efficiency 83 %
 Peak intensity 20.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



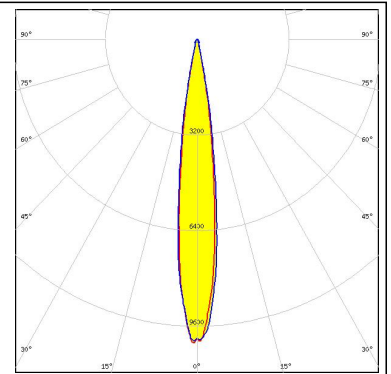
LED XOB 9.8 mm
 FWHM 12.0°
 Efficiency 85 %
 Peak intensity 10.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (SIMULATED):

CITIZEN

| | |
|----------------------|-----------------------|
| LED | CLL02x/CLU02x (LES10) |
| FWHM | 14.0° |
| Efficiency | 90 % |
| Peak intensity | 10.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |
| | F15255_HEKLA-SOCKET-C |



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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