

## CARMEN-S-C-WHT

~14° 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 ⓘ     |

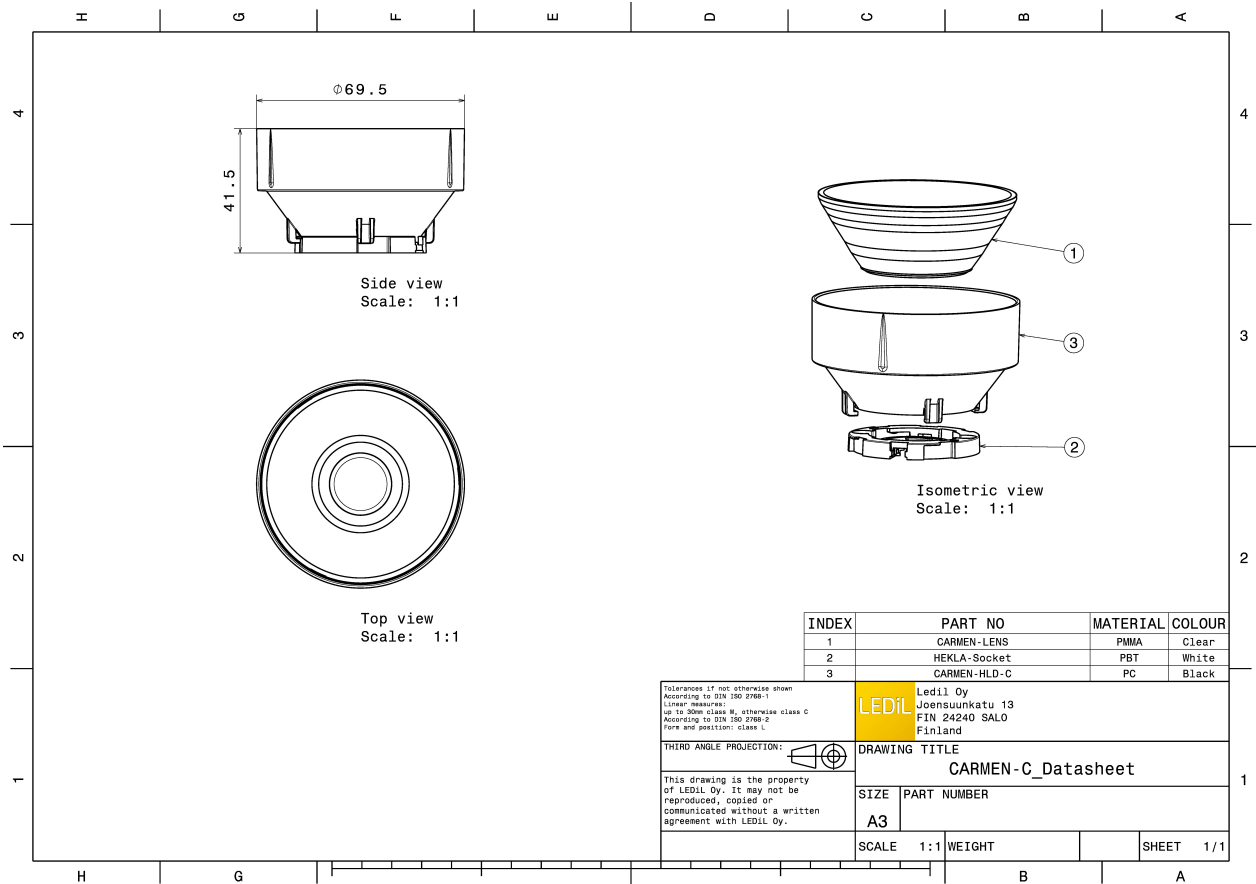


### MATERIAL SPECIFICATIONS:

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

### ORDERING INFORMATION:

| Component                      |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CP16937_CARMEN-S-C-WHT         | Single lens | 150        | 150 | 15  | 6.2             |
| » Box size: 476 x 273 x 292 mm |             |            |     |     |                 |



See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

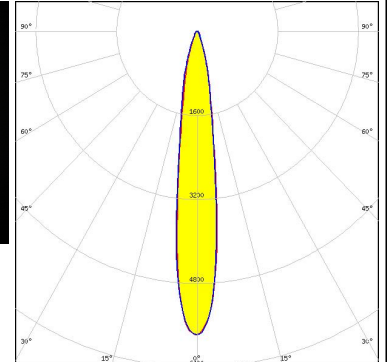
#### PHOTOMETRIC DATA (MEASURED):



LED Vesta TW 6mm DP  
 FWHM / FWTM 11.0° / 27.0°  
 Efficiency 88 %  
 Peak intensity 10.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 504 Typ L8

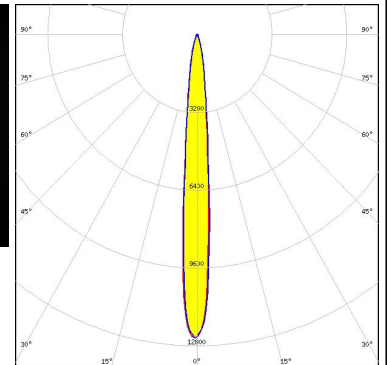


LED Vesta TW 9mm (9W) DP  
 FWHM / FWTM 15.0° / 36.0°  
 Efficiency 88 %  
 Peak intensity 5.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 489 Typ L8



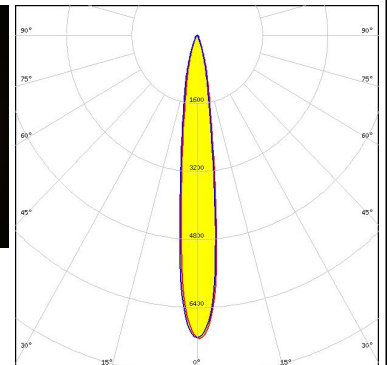
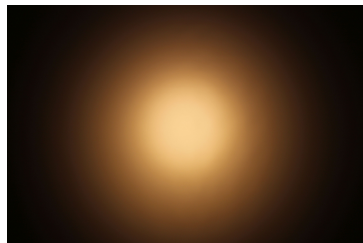
## CITIZEN

LED CLU700/701/702  
 FWHM / FWTM 10.0° / 25.0°  
 Efficiency 90 %  
 Peak intensity 12.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



## CITIZEN

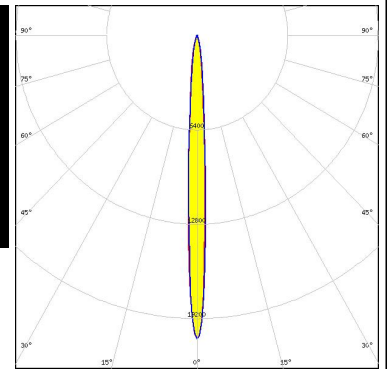
LED CLU710/711  
 FWHM / FWTM 13.0° / 33.0°  
 Efficiency 88 %  
 Peak intensity 7.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



#### PHOTOMETRIC DATA (MEASURED):

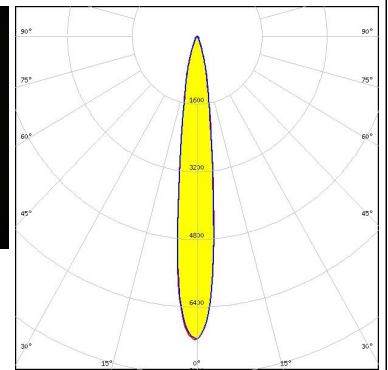
#### CITIZEN

LED CLU7B2  
 FWHM / FWTM 7.0° / 19.0°  
 Efficiency 92 %  
 Peak intensity 20.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



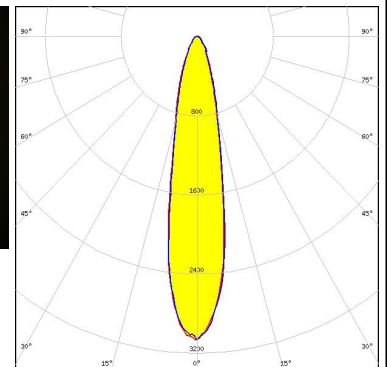
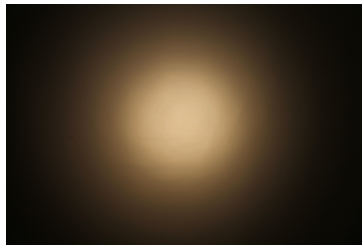
#### CREE LED

LED CXA/B 15xx  
 FWHM / FWTM 14.0° / 34.0°  
 Efficiency 89 %  
 Peak intensity 7.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



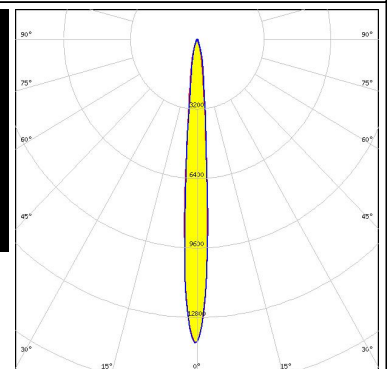
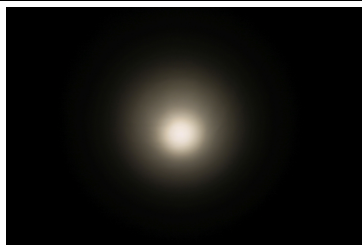
#### LUMILEDS

LED LUXEON CX Plus CoB L08 (Gen2)  
 FWHM / FWTM 21.0° / 51.0°  
 Efficiency 88 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 637a Hekla



#### LUMILEDS

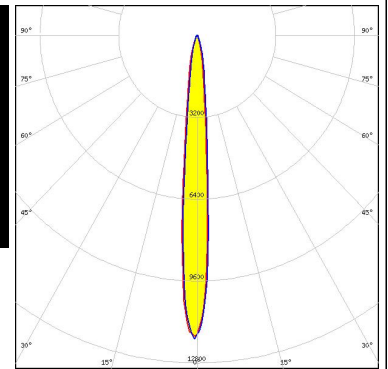
LED LUXEON CX Plus CoB - HD S01H4  
 FWHM / FWTM 9.0° / 23.0°  
 Efficiency 91 %  
 Peak intensity 14 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



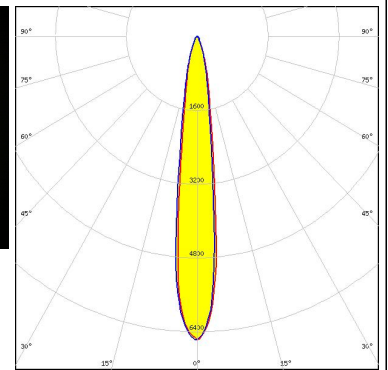
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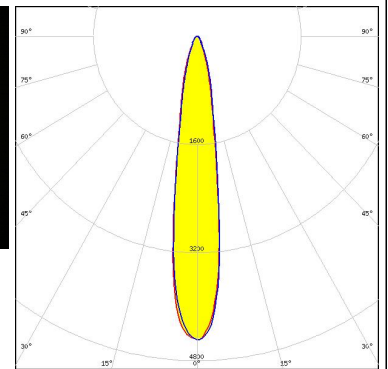
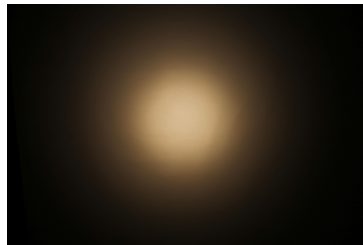
LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6  
 FWHM / FWTM 10.0° / 25.0°  
 Efficiency 90 %  
 Peak intensity 11.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



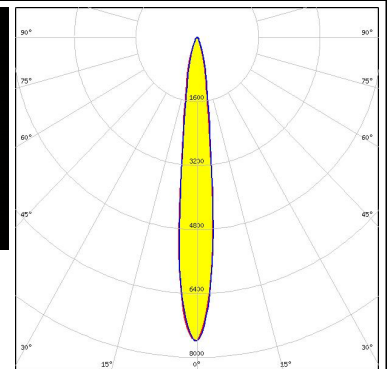
LED LUXEON CX Plus CoB - HD S04H9  
 FWHM / FWTM 14.0° / 34.0°  
 Efficiency 89 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



LED LUXEON CX Plus CoB L04 / L05 (Gen2)  
 FWHM / FWTM 17.0° / 42.0°  
 Efficiency 89 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 637a Hekla



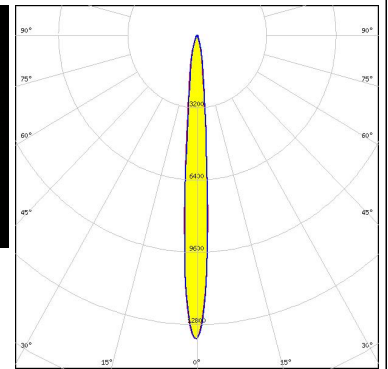
LED LUXEON CX Plus CoB M02 / M03 (Gen2)  
 FWHM / FWTM 13.0° / 32.0°  
 Efficiency 90 %  
 Peak intensity 7.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 641a Hekla



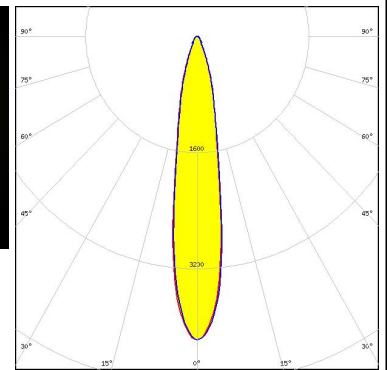
#### PHOTOMETRIC DATA (MEASURED):



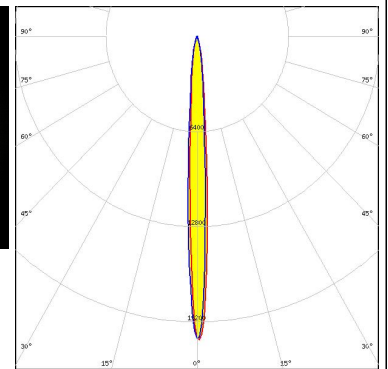
LED LUXEON CX Plus CoB S01 (Gen2)  
 FWHM / FWTM 9.0° / 23.0°  
 Efficiency 90 %  
 Peak intensity 13.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



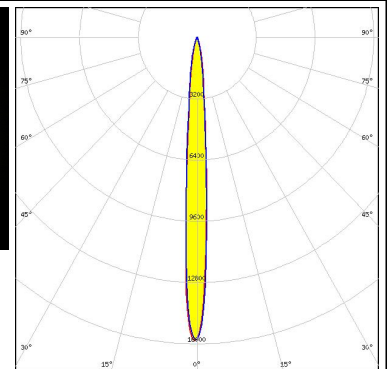
LED CxM-11 (19x19)  
 FWHM / FWTM 18.0° / 43.0°  
 Efficiency 88 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



LED CXM-3  
 FWHM / FWTM 7.0° / 20.0°  
 Efficiency 93 %  
 Peak intensity 20.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



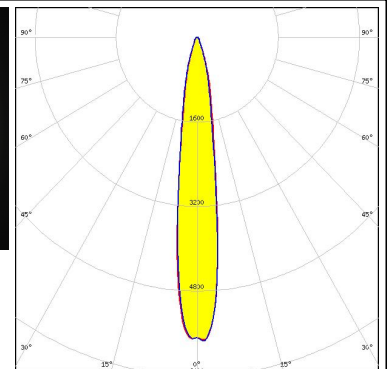
LED CXM-4  
 FWHM / FWTM 8.0° / 22.0°  
 Efficiency 90 %  
 Peak intensity 15.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



#### PHOTOMETRIC DATA (MEASURED):

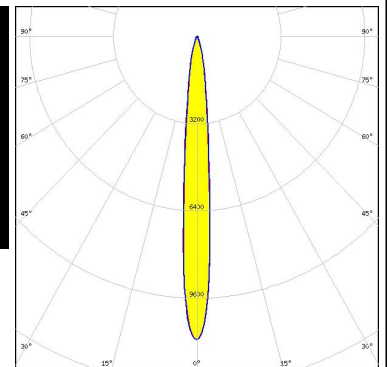
#### SAMSUNG

LED LC010T (Tunable White)  
 FWHM / FWTM 15.0° / 36.0°  
 Efficiency 87 %  
 Peak intensity 5.7 cd/lm  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 501 Typ L8



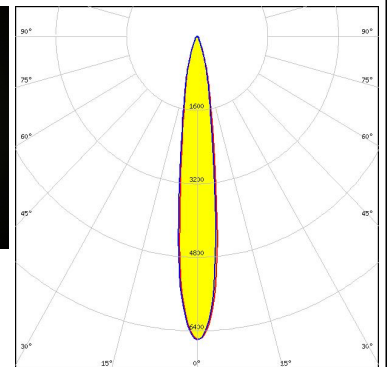
#### XICATO

LED XOB 6 mm  
 FWHM / FWTM 10.0° / 27.0°  
 Efficiency 89 %  
 Peak intensity 11.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



#### XICATO

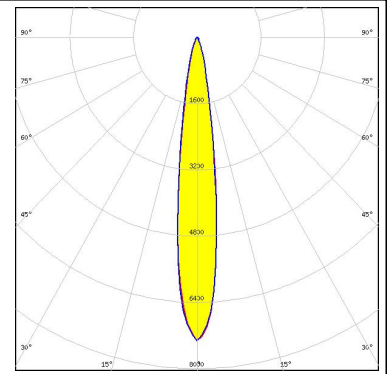
LED XOB 9.8 mm  
 FWHM / FWTM 14.0° / 35.0°  
 Efficiency 89 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



### PHOTOMETRIC DATA (SIMULATED):

#### TRIDONIC

LED SLE G7 LES09  
FWHM / FWTM 14.0° / 32.0°  
Efficiency 88 %  
Peak intensity 7.3 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:

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