

## 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 ⓘ

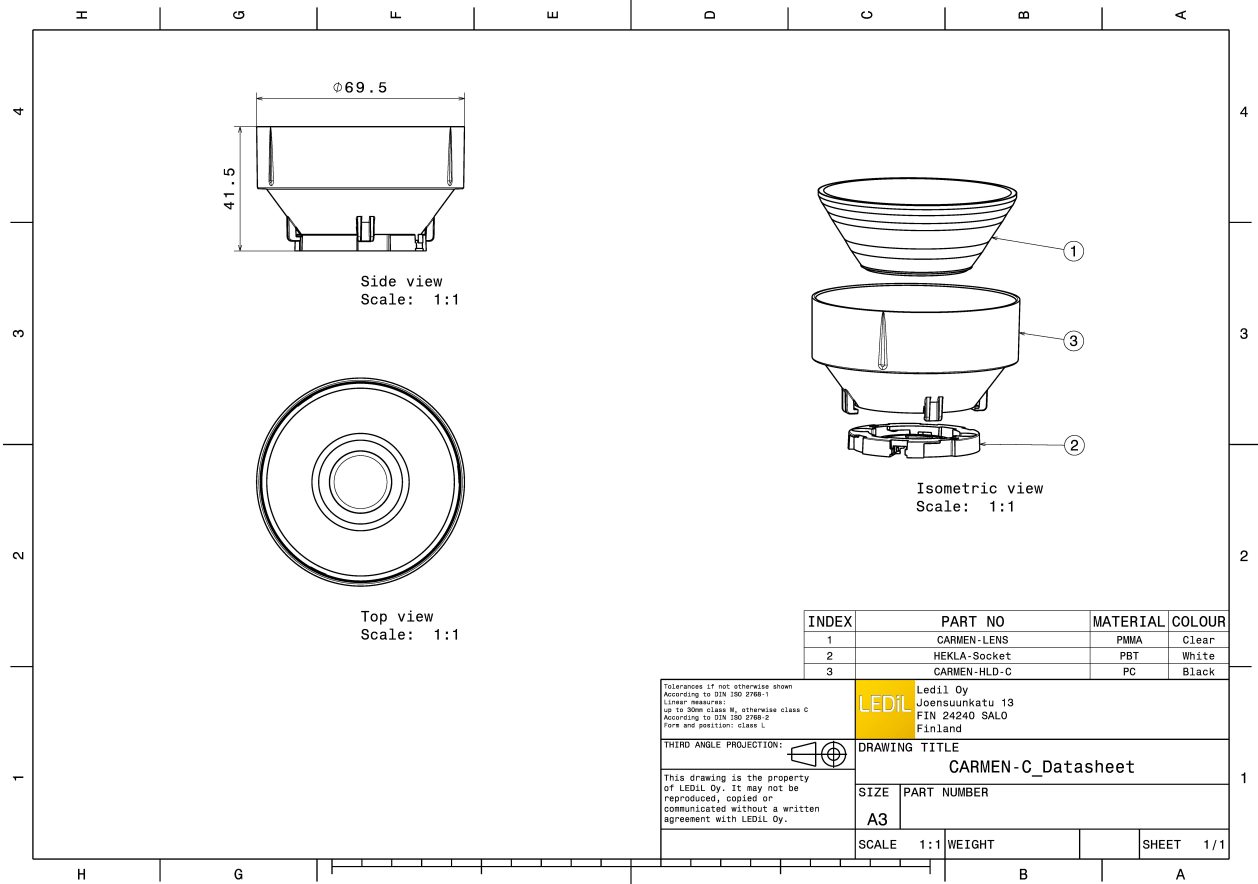


### MATERIAL SPECIFICATIONS:

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

### ORDERING INFORMATION:

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



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

#### PHOTOMETRIC DATA (MEASURED):

**bridgelux.**

LED Vesta TW 6mm DP  
 FWHM / FWTM 9.0° / 17.0°  
 Efficiency 82 %  
 Peak intensity 15.9 cd/lm  
 LEDs/each optic 1  
 Light colour White

Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 504 Typ L8



**bridgelux.**

LED Vesta TW 9mm (9W) DP  
 FWHM / FWTM 12.0° / 23.0°  
 Efficiency 83 %  
 Peak intensity 7.9 cd/lm  
 LEDs/each optic 1  
 Light colour White

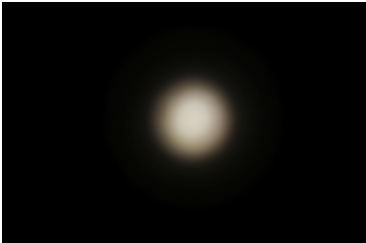
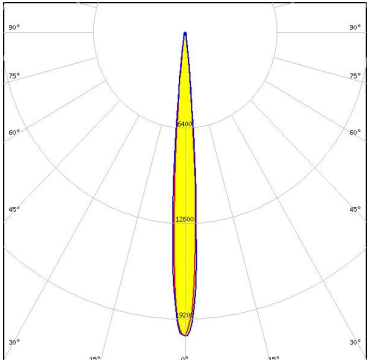
Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 489 Typ L8




**CITIZEN**

LED CLU700/701/702  
 FWHM / FWTM 8.0° / 15.0°  
 Efficiency 86 %  
 Peak intensity 20.4 cd/lm  
 LEDs/each optic 1  
 Light colour White

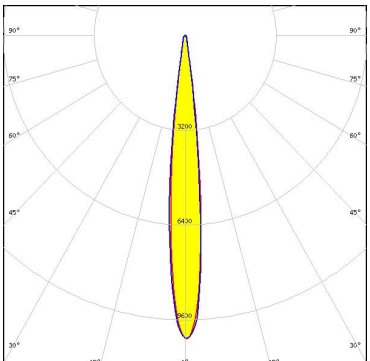
Required components:  
 F15255\_HEKLA-SOCKET-C

**CITIZEN**

LED CLU710/711  
 FWHM / FWTM 12.0° / 20.0°  
 Efficiency 83 %  
 Peak intensity 10.3 cd/lm  
 LEDs/each optic 1  
 Light colour White

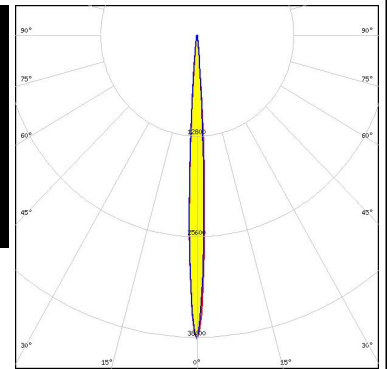
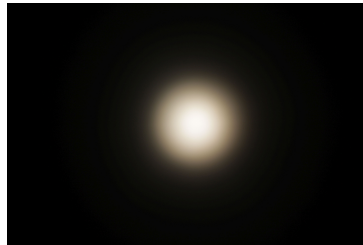
Required components:  
 F15859\_HEKLA-SOCKET-I

#### PHOTOMETRIC DATA (MEASURED):

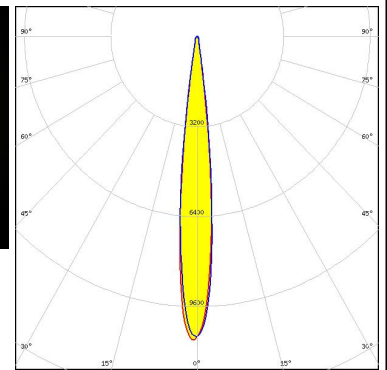
#### CITIZEN

LED CLU7B2  
 FWHM / FWTM 6.0° / 11.0°  
 Efficiency 87 %  
 Peak intensity 38.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



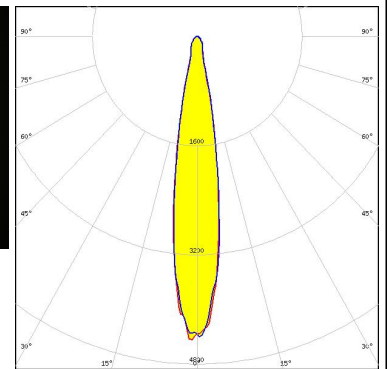
#### CREE LED

LED CXA/B 15xx  
 FWHM / FWTM 12.0° / 20.0°  
 Efficiency 85 %  
 Peak intensity 10.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



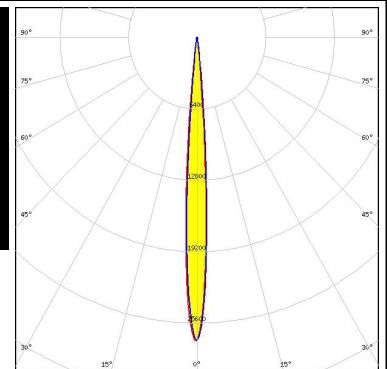
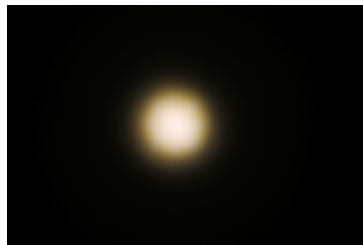
#### LUMILEDS

LED LUXEON CX Plus CoB L08 (Gen2)  
 FWHM / FWTM 18.0° / 31.0°  
 Efficiency 84 %  
 Peak intensity 4.5 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 8.0° / 14.0°  
 Efficiency 87 %  
 Peak intensity 27.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Lena

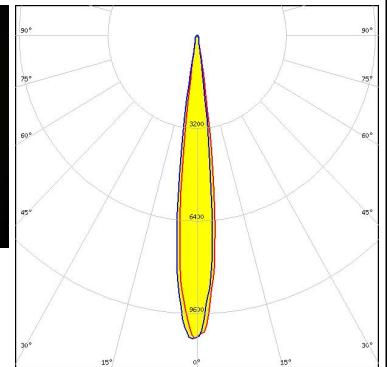




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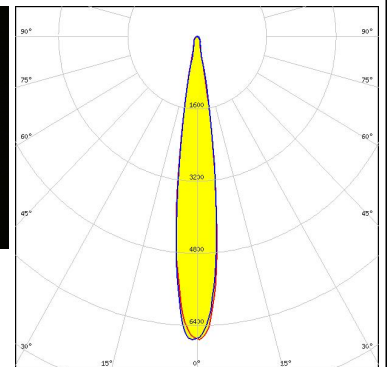
##### LUMILEDS

LED LUXEON CX Plus CoB - HD S04H9  
 FWHM / FWTM 13.0° / 20.0°  
 Efficiency 86 %  
 Peak intensity 10.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



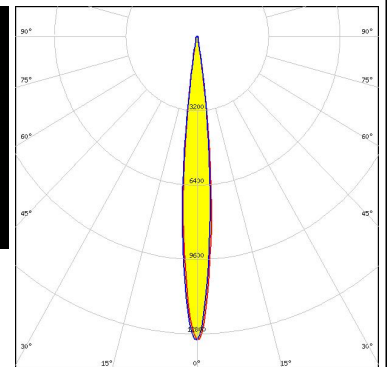
##### LUMILEDS

LED LUXEON CX Plus CoB L04 / L05 (Gen2)  
 FWHM / FWTM 15.0° / 26.0°  
 Efficiency 85 %  
 Peak intensity 6.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 637a Hekla



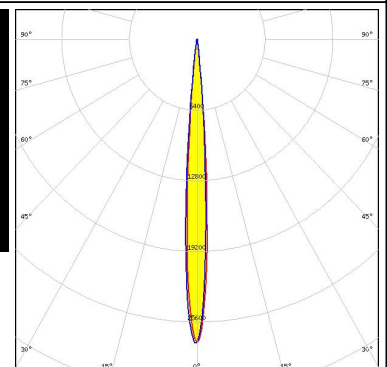
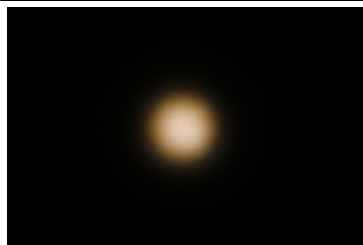
##### LUMILEDS

LED LUXEON CX Plus CoB M02 / M03 (Gen2)  
 FWHM / FWTM 11.0° / 19.0°  
 Efficiency 86 %  
 Peak intensity 13.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 641a Hekla



##### LUMILEDS

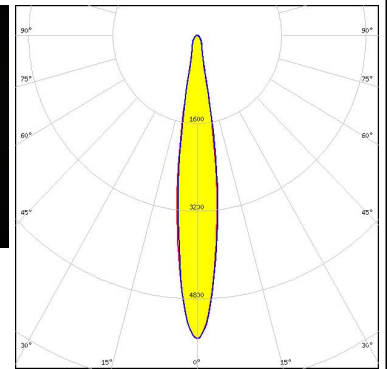
LED LUXEON CX Plus CoB S01 (Gen2)  
 FWHM / FWTM 8.0° / 13.0°  
 Efficiency 87 %  
 Peak intensity 27.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



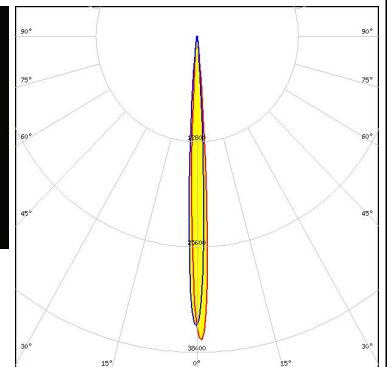
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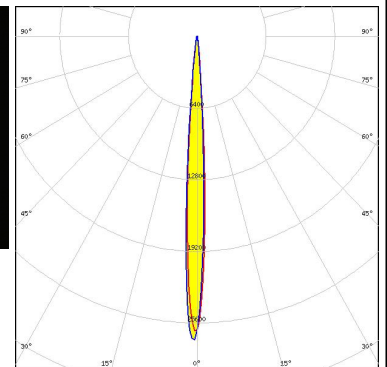
LED CxM-11 (19x19)  
 FWHM / FWTM 16.0° / 27.0°  
 Efficiency 84 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



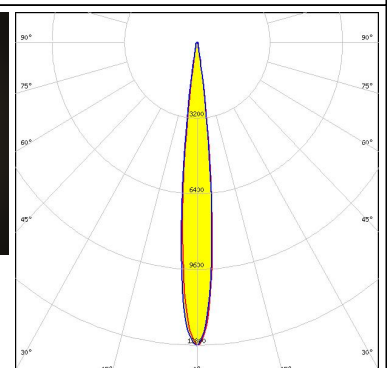
LED CXM-3  
 FWHM / FWTM 6.0° / 11.0°  
 Efficiency 88 %  
 Peak intensity 36.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



LED CXM-4  
 FWHM / FWTM 7.0° / 13.0°  
 Efficiency 86 %  
 Peak intensity 27.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



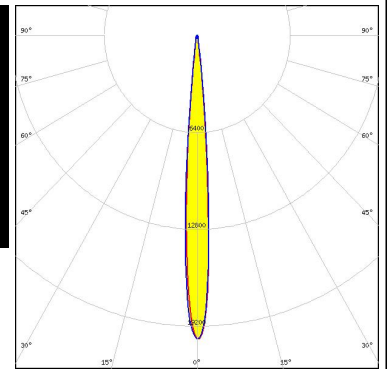
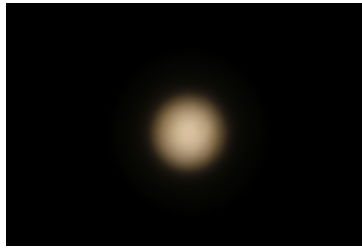
LED LC020C  
 FWHM / FWTM 11.0° / 19.0°  
 Efficiency 84 %  
 Peak intensity 13 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



#### PHOTOMETRIC DATA (MEASURED):

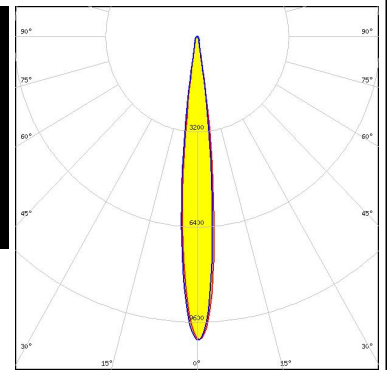
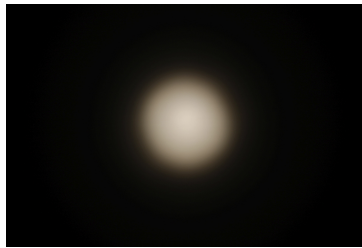
#### XICATO

LED XOB 6 mm  
 FWHM / FWTM 9.0° / 15.0°  
 Efficiency 83 %  
 Peak intensity 20.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

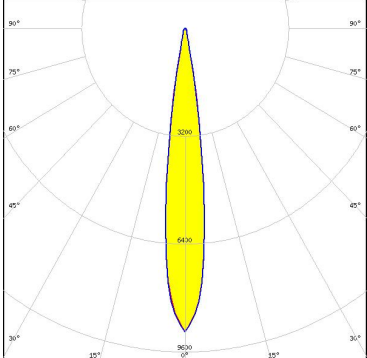
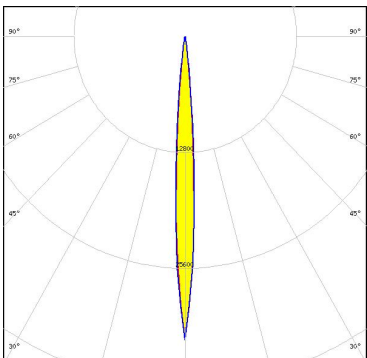
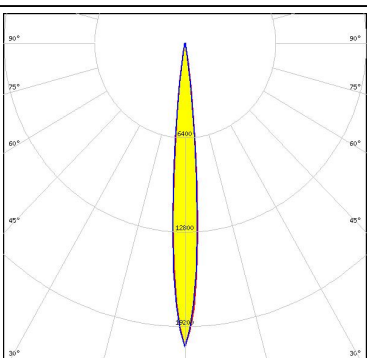
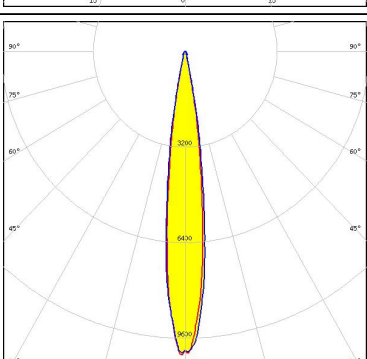


#### XICATO

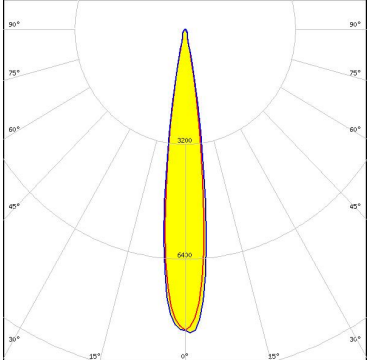
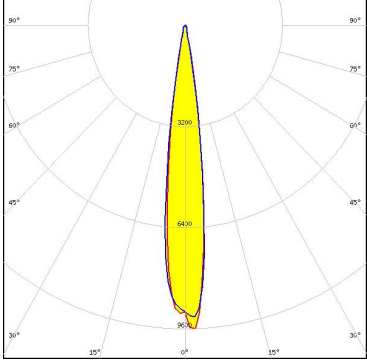
LED XOB 9.8 mm  
 FWHM / FWTM 12.0° / 21.0°  
 Efficiency 85 %  
 Peak intensity 10.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



#### PHOTOMETRIC DATA (SIMULATED):

<p>bridgelux.</p> <p>LED V10 Gen7</p> <p>FWHM / FWTM 14.0° / 24.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>	
<p>bridgelux.</p> <p>LED V4 HD</p> <p>FWHM / FWTM 8.0° / 14.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 33.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15253_HEKLA-SOCKET-A</p>	
<p>bridgelux.</p> <p>LED V6 HD</p> <p>FWHM / FWTM 10.0° / 18.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 20.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>	
<p><b>CITIZEN</b></p> <p>LED CLL02x/CLU02x (LES10)</p> <p>FWHM / FWTM 14.0° / 25.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 10.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>	

#### PHOTOMETRIC DATA (SIMULATED):

<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED: MJT COB LES 6            FWHM / FWTM: 9.0° / 17.0°            Efficiency: 87 %            Peak intensity: 22.4 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:            F15255_HEKLA-SOCKET-C</p>	
<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED: MJT COB LES 9.8            FWHM / FWTM: 15.0° / 24.0°            Efficiency: 85 %            Peak intensity: 8.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:            F15255_HEKLA-SOCKET-C</p>	
<p><b>TRIDONIC</b></p> <p>LED: SLE G7 LES09            FWHM / FWTM: 14.0° / 24.0°            Efficiency: 87 %            Peak intensity: 9.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:            F15255_HEKLA-SOCKET-C</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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