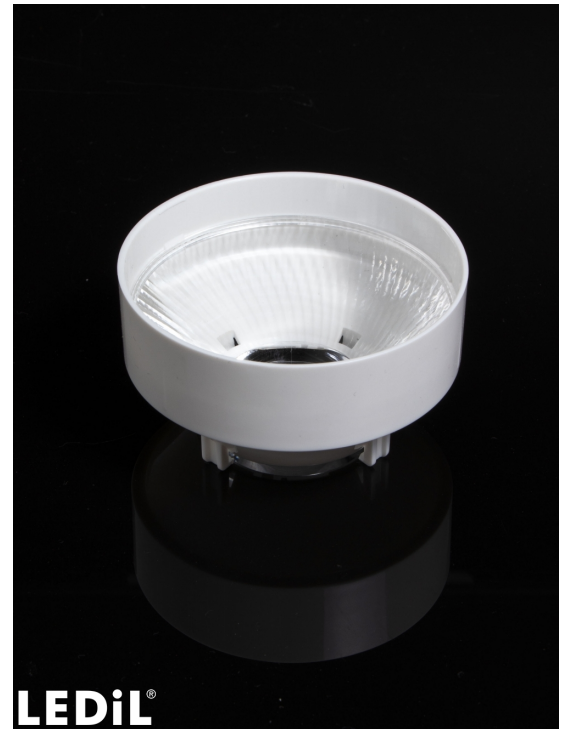


## CARMEN-SS-C-WHT

~12° smooth 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 ⓘ

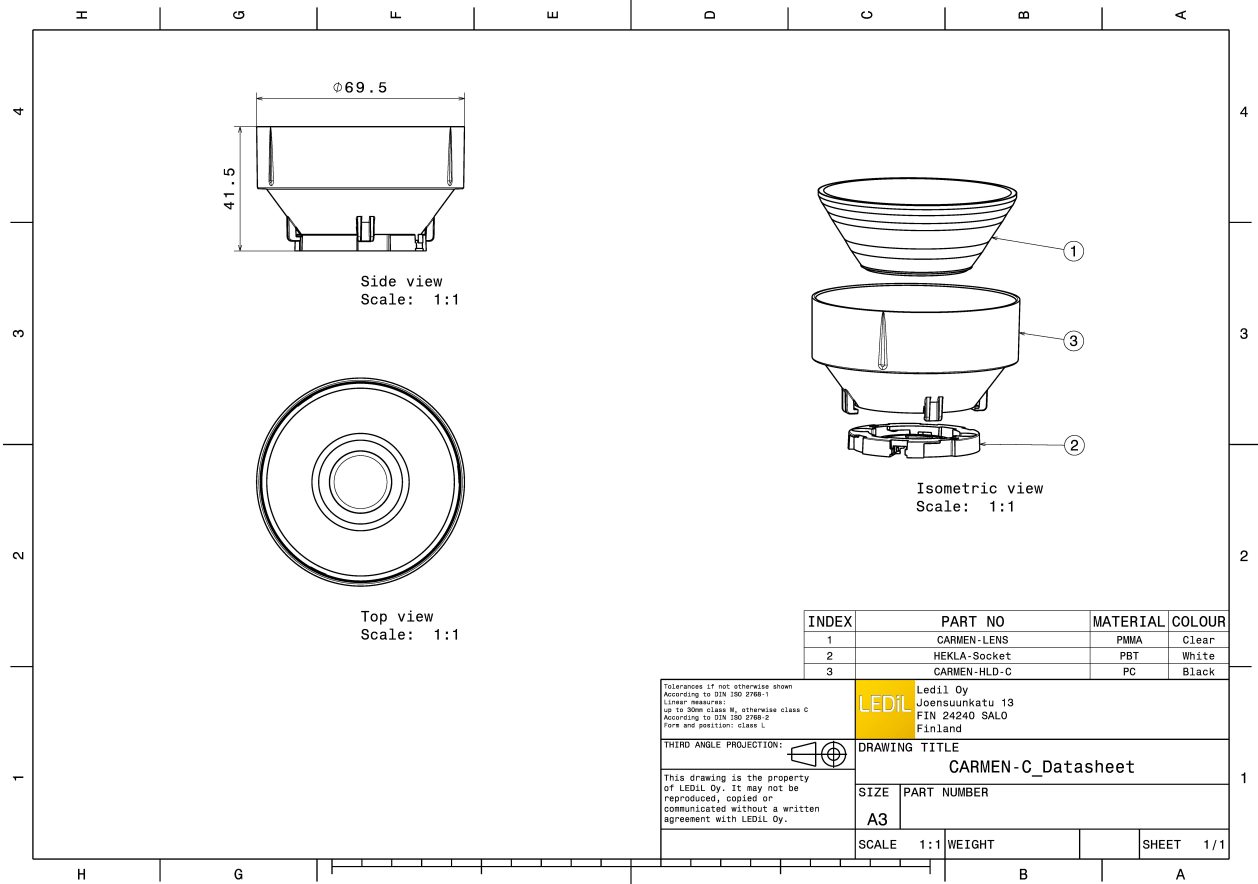


### MATERIAL SPECIFICATIONS:

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





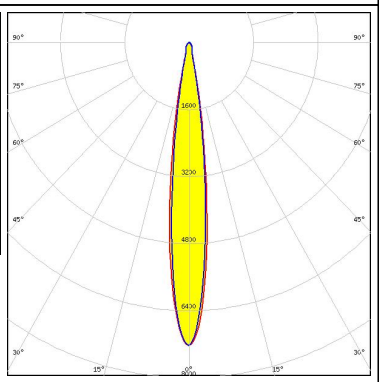

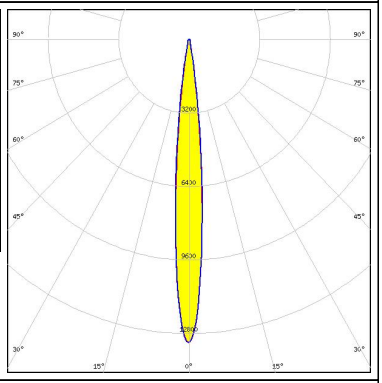

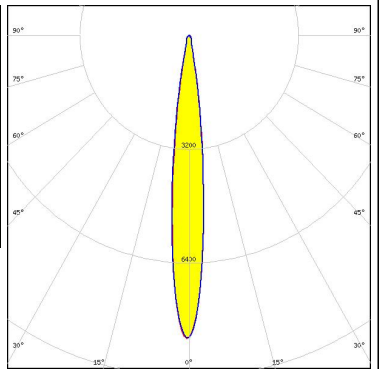
### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CP16941_CARMEN-SS-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)

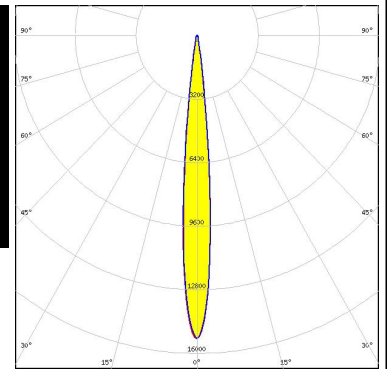
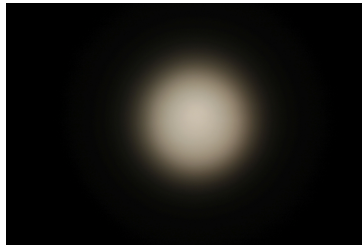
#### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED Vesta TW 6mm DP            FWHM / FWTM 11.0° / 21.0°            Efficiency 82 %            Peak intensity 11 cd/lm            LEDs/each optic 1            Light colour White</p> <p>Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 504 Typ L8</p>		
<p></p> <p>LED Vesta TW 9mm (9W) DP            FWHM / FWTM 14.0° / 25.0°            Efficiency 83 %            Peak intensity 7.2 cd/lm            LEDs/each optic 1            Light colour White</p> <p>Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 489 Typ L8</p>		
<p><b>CITIZEN</b></p> <p>LED CLU700/701/702            FWHM / FWTM 10.0° / 20.0°            Efficiency 85 %            Peak intensity 13.2 cd/lm            LEDs/each optic 1            Light colour White</p> <p>Required components:            F15255_HEKLA-SOCKET-C</p>		
<p><b>CITIZEN</b></p> <p>LED CLU710/711            FWHM / FWTM 12.0° / 24.0°            Efficiency 82 %            Peak intensity 8.5 cd/lm            LEDs/each optic 1            Light colour White</p> <p>Required components:            F15859_HEKLA-SOCKET-I</p>		

#### PHOTOMETRIC DATA (MEASURED):

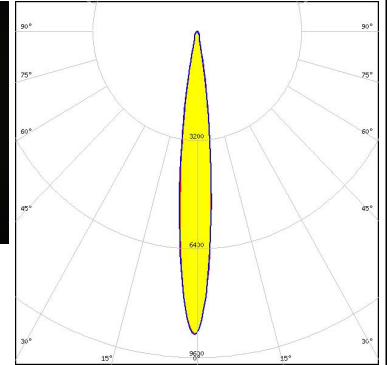
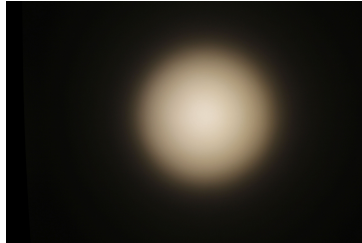
#### CITIZEN

LED CLU7B2  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 86 %  
 Peak intensity 15.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



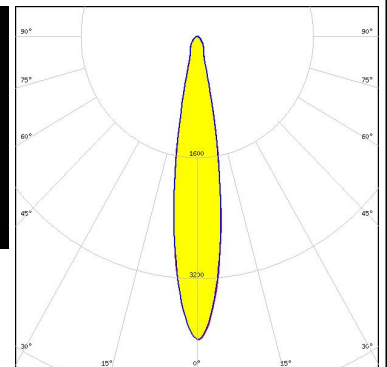
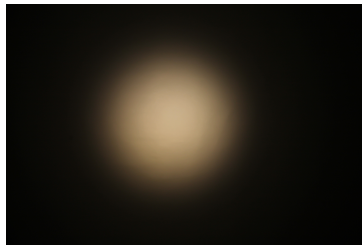
#### CREE LED

LED CXA/B 15xx  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 84 %  
 Peak intensity 9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



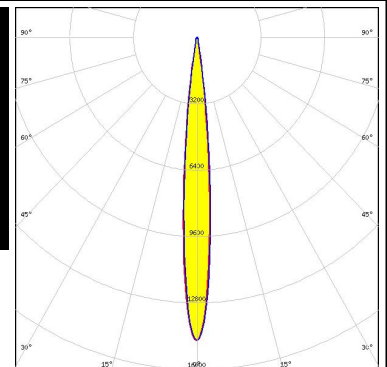
#### LUMILEDS

LED LUXEON CX Plus CoB L08 (Gen2)  
 FWHM / FWTM 18.0° / 34.0°  
 Efficiency 84 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 637a Hekla



#### LUMILEDS

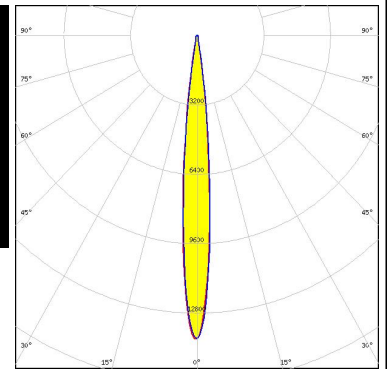
LED LUXEON CX Plus CoB - HD S01H4  
 FWHM / FWTM 11.0° / 19.0°  
 Efficiency 86 %  
 Peak intensity 14.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



#### PHOTOMETRIC DATA (MEASURED):

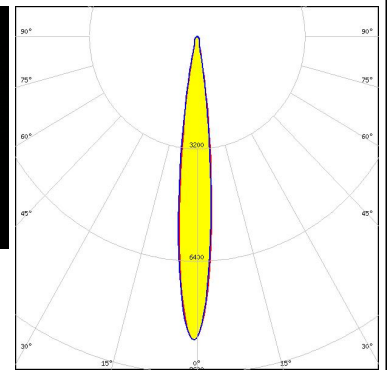
#### LUMILEDS

LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6  
 FWHM / FWTM 11.0° / 20.0°  
 Efficiency 86 %  
 Peak intensity 14 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



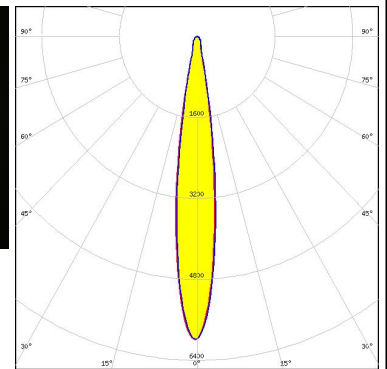
#### LUMILEDS

LED LUXEON CX Plus CoB - HD S04H9  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 85 %  
 Peak intensity 8.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



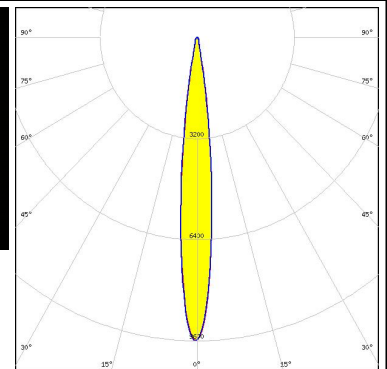
#### LUMILEDS

LED LUXEON CX Plus CoB L04 / L05 (Gen2)  
 FWHM / FWTM 15.0° / 28.0°  
 Efficiency 84 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 637a Hekla



#### LUMILEDS

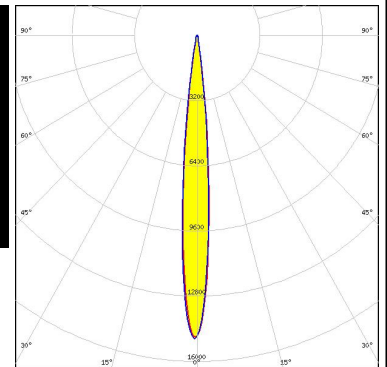
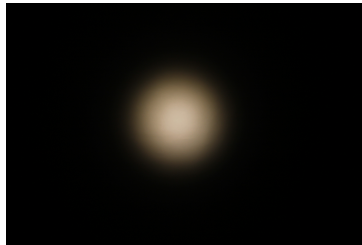
LED LUXEON CX Plus CoB M02 / M03 (Gen2)  
 FWHM / FWTM 12.0° / 23.0°  
 Efficiency 85 %  
 Peak intensity 9.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 641a Hekla



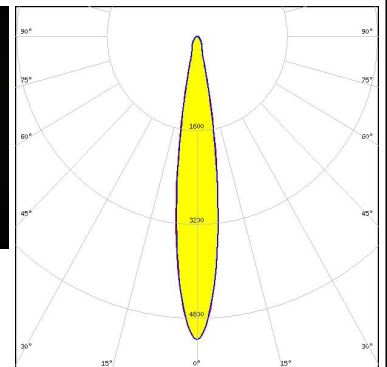
#### PHOTOMETRIC DATA (MEASURED):



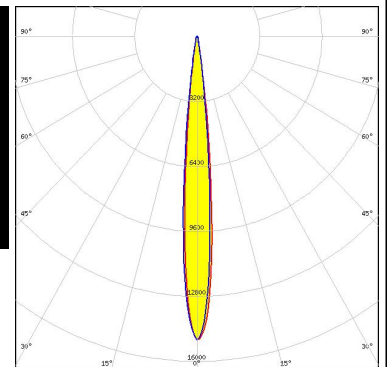
**LED** LUXEON CX Plus CoB S01 (Gen2)  
**FWHM / FWTM** 10.0° / 19.0°  
**Efficiency** 86 %  
**Peak intensity** 14.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 Bender Wirth: 634c Hekla



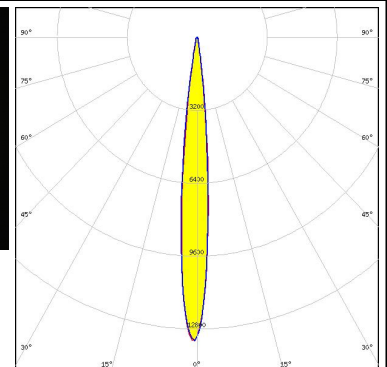
**LED** CxM-11 (19x19)  
**FWHM / FWTM** 16.0° / 30.0°  
**Efficiency** 83 %  
**Peak intensity** 5.2 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F15859\_HEKLA-SOCKET-I



**LED** CXM-3  
**FWHM / FWTM** 10.0° / 19.0°  
**Efficiency** 88 %  
**Peak intensity** 14.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F15255\_HEKLA-SOCKET-C



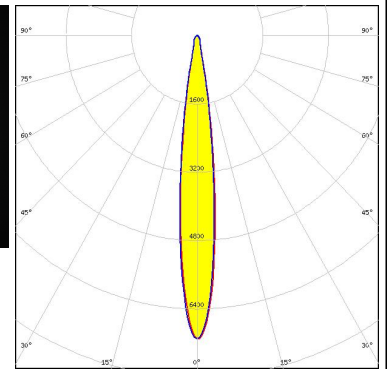
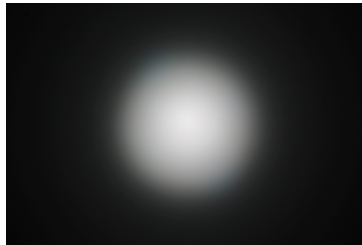
**LED** CXM-4  
**FWHM / FWTM** 11.0° / 20.0°  
**Efficiency** 85 %  
**Peak intensity** 13.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F15255\_HEKLA-SOCKET-C



#### PHOTOMETRIC DATA (MEASURED):

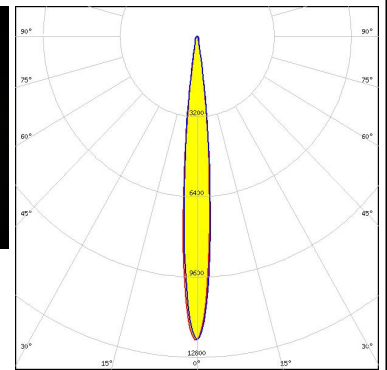
### SAMSUNG

LED LC010T (Tunable White)  
 FWHM / FWTM 13.0° / 26.0°  
 Efficiency 82 %  
 Peak intensity 7.1 cd/lm  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 501 Typ L8



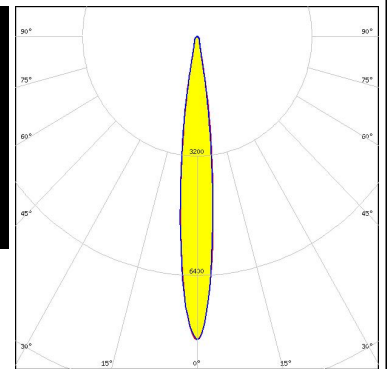
### XICATO

LED XOB 6 mm  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 83 %  
 Peak intensity 12.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



### XICATO

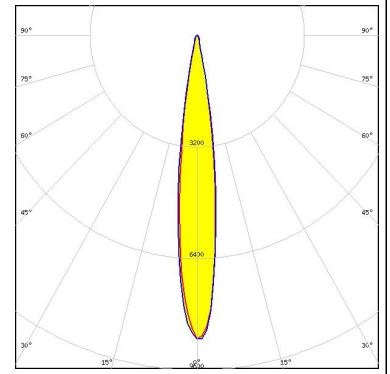
LED XOB 9.8 mm  
 FWHM / FWTM 13.0° / 25.0°  
 Efficiency 84 %  
 Peak intensity 8.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



#### PHOTOMETRIC DATA (SIMULATED):

#### TRIDONIC

LED	SLE G7 LES09
FWHM / FWTM	14.0° / 26.0°
Efficiency	87 %
Peak intensity	8.9 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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