

## CARMEN-RS-C

~10° spot beam. Assembly with holder C compatible with LEDiL HEKLA.

### TECHNICAL SPECIFICATIONS:

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

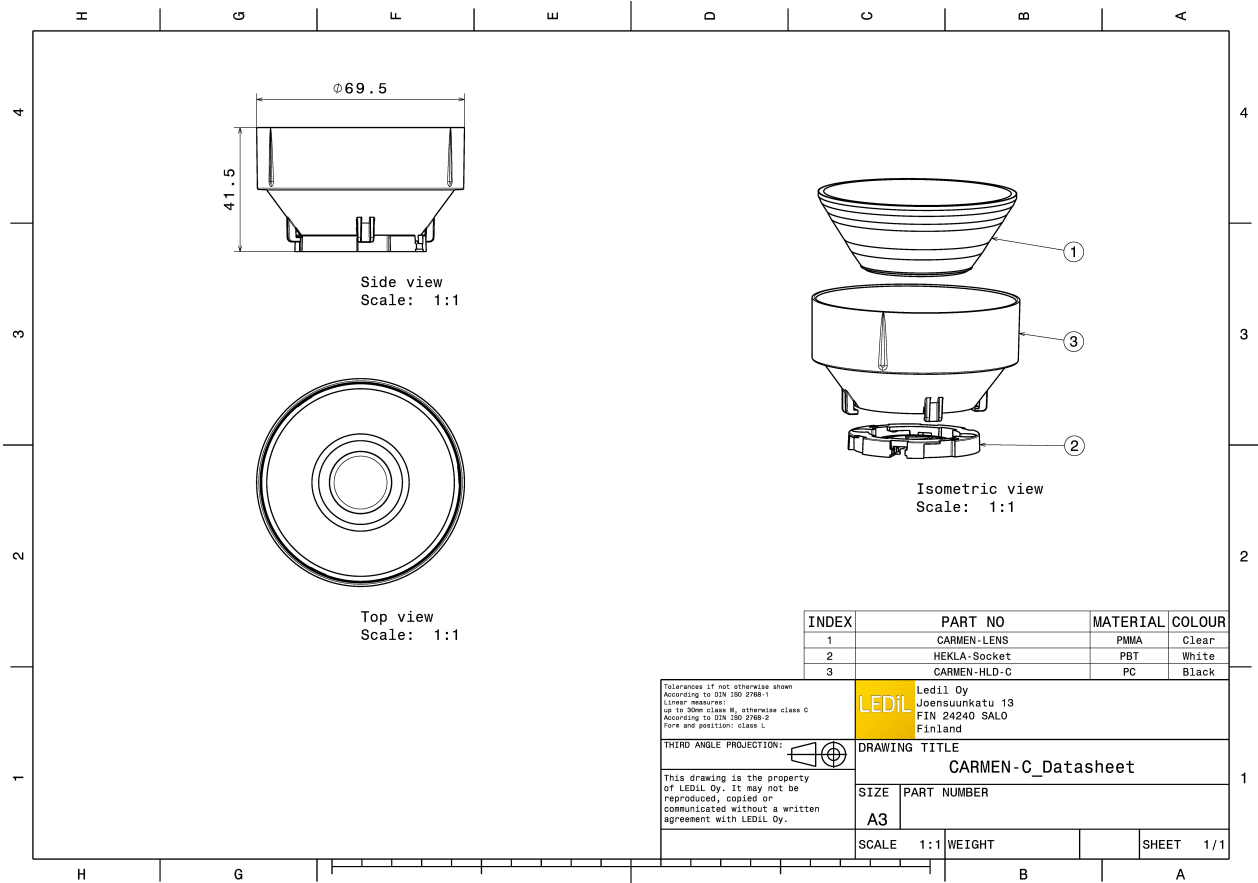
### MATERIAL SPECIFICATIONS:

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

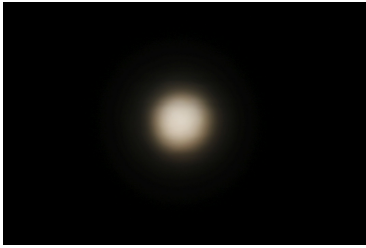
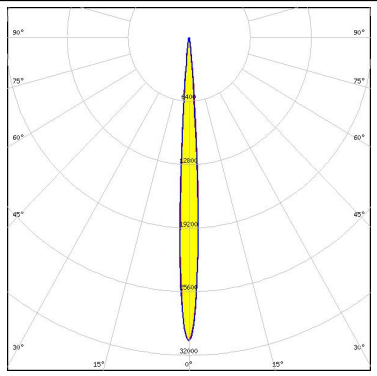

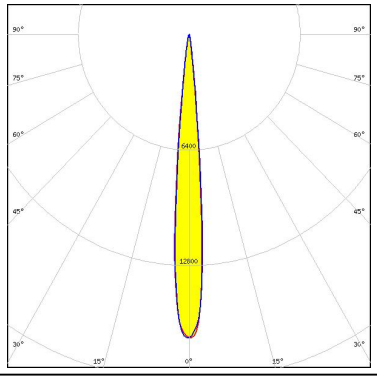

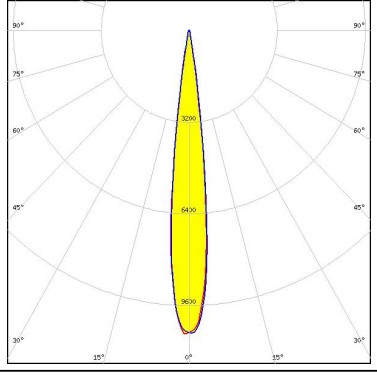

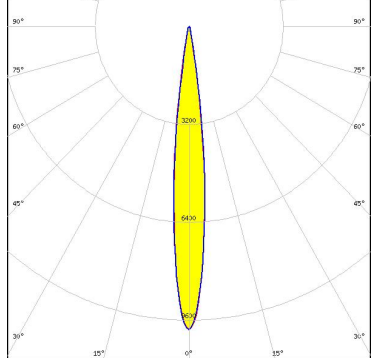


### ORDERING INFORMATION:

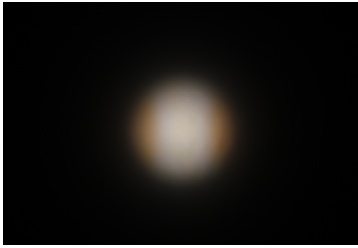
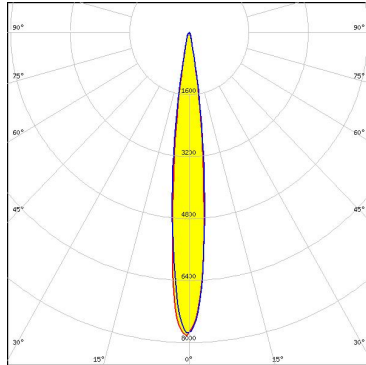

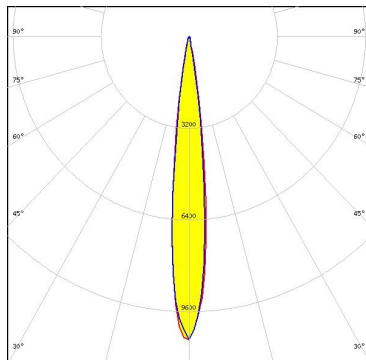
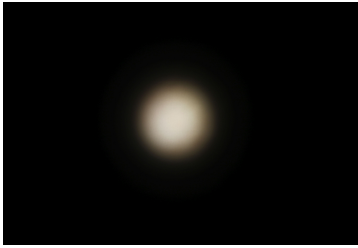
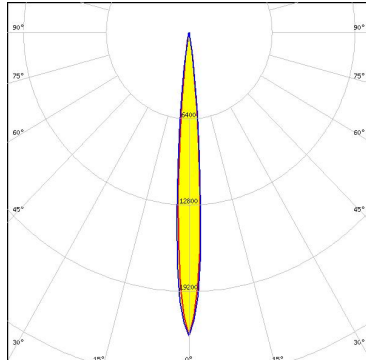

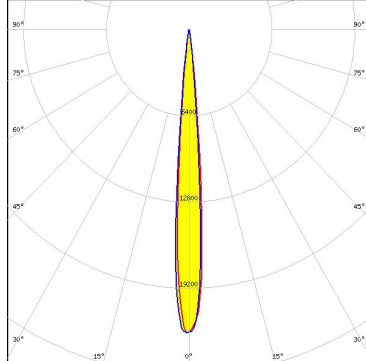
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP15916_CARMEN-RS-C	Single lens	150	150	15	6.2
» Box size: 480 x 280 x 300 mm					



#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V4 HD</p> <p>FWHM 7.0°</p> <p>Efficiency 68 %</p> <p>Peak intensity 31 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 9.6°</p> <p>Efficiency 65 %</p> <p>Peak intensity 16.9 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 V9 HD</p> <p>FWHM 13.0°</p> <p>Efficiency 63 %</p> <p>Peak intensity 10.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p>		
<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 12.0°</p> <p>Efficiency 61 %</p> <p>Peak intensity 9.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15616_HEKLA-SOCKET-F</p>		

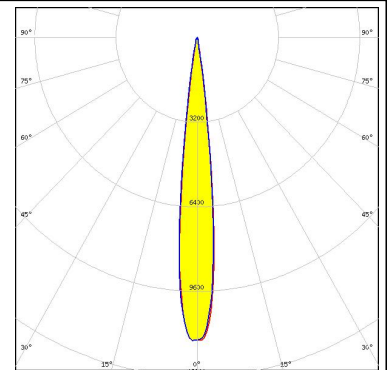
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux</p> <p>LED Vesta TW 9mm (9W) DP            FWHM 12.0°            Efficiency 56 %            Peak intensity 7.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 489 Typ L8</p>		
<p><b>CITIZEN</b></p> <p>LED CLL02x/CLU02x (LES10)            FWHM 13.0°            Efficiency 59 %            Peak intensity 8.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15255_HEKLA-SOCKET-C</p>		
<p><b>CITIZEN</b></p> <p>LED CLU700/701/702            FWHM 8.0°            Efficiency 62 %            Peak intensity 20.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15255_HEKLA-SOCKET-C</p>		
<p><b>CITIZEN</b></p> <p>LED CLU700/701/702            FWHM 9.0°            Efficiency 69 %            Peak intensity 22.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15255_HEKLA-SOCKET-C</p>		

#### PHOTOMETRIC DATA (MEASURED):

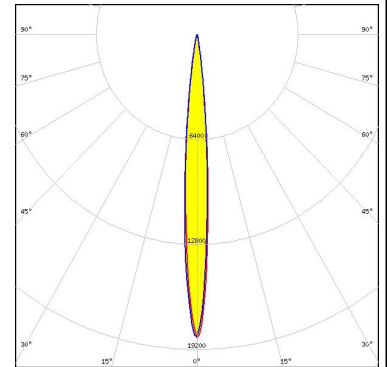
#### CITIZEN

LED CLU710/711  
FWHM 12.0°  
Efficiency 64 %  
Peak intensity 11.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15859\_HEKLA-SOCKET-I



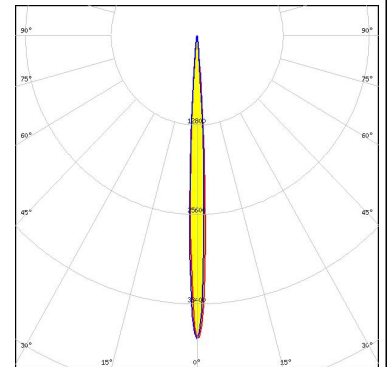
#### CITIZEN

LED CLU7A2 (LES 4.2mm)  
FWHM 6.0°  
Efficiency 65 %  
Peak intensity 34.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



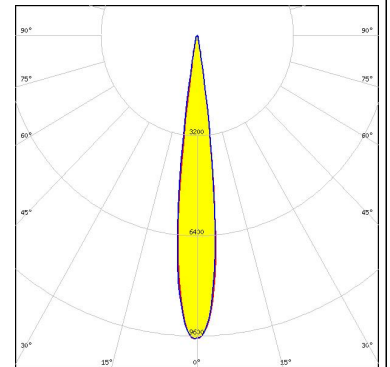
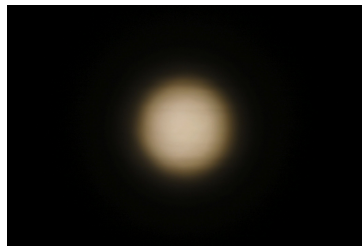
#### CITIZEN

LED CLU7B2  
FWHM 6.0°  
Efficiency 66 %  
Peak intensity 43.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



#### CREE

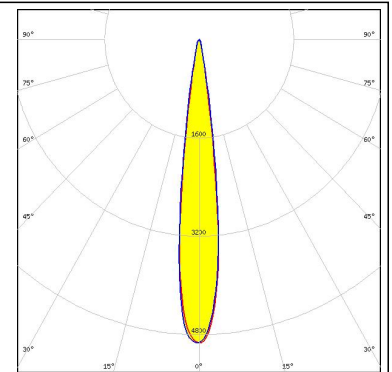
LED CMA1516  
FWHM 13.0°  
Efficiency 63 %  
Peak intensity 9.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15256\_HEKLA-SOCKET-D



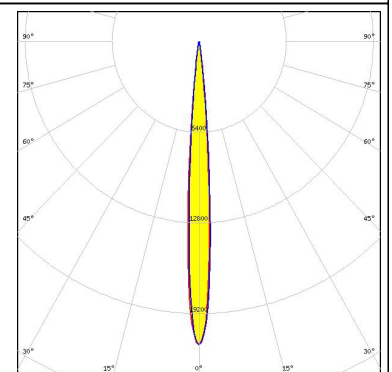
#### PHOTOMETRIC DATA (MEASURED):



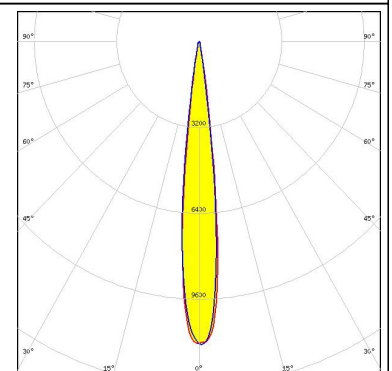
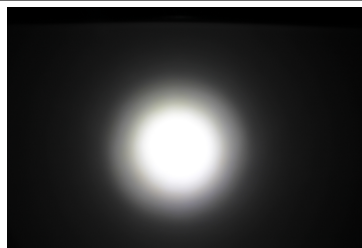
LED CMT14xx  
 FWHM 14.0°  
 Efficiency 40 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



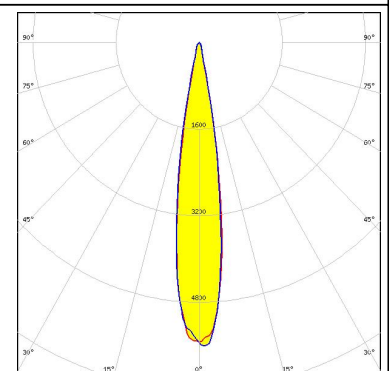
LED CXA/B 13xx  
 FWHM 8.0°  
 Efficiency 64 %  
 Peak intensity 21.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15956\_HEKLA-SOCKET-J



LED CXA/B 15xx  
 FWHM 13.0°  
 Efficiency 65 %  
 Peak intensity 11.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



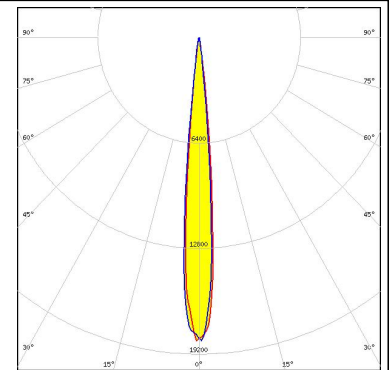
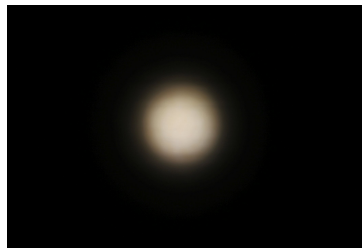
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM 17.0°  
 Efficiency 59 %  
 Peak intensity 5.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



#### PHOTOMETRIC DATA (MEASURED):

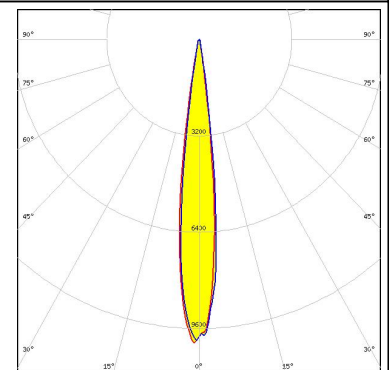
#### LUMILEDS

LED LUXEON CoB 1202HD  
 FWHM 9.7°  
 Efficiency 66 %  
 Peak intensity 18.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



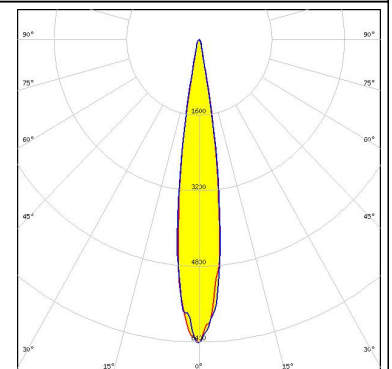
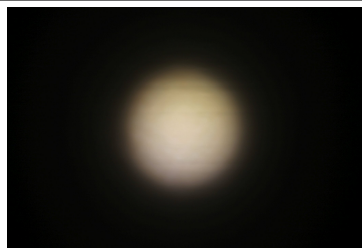
#### LUMILEDS

LED LUXEON CoB 1204HD  
 FWHM 13.0°  
 Efficiency 63 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



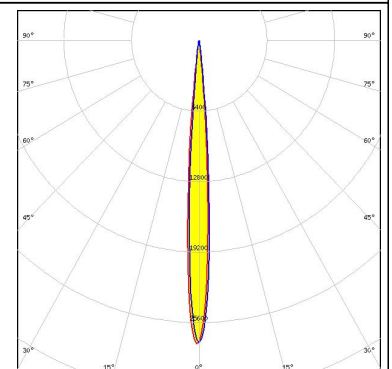
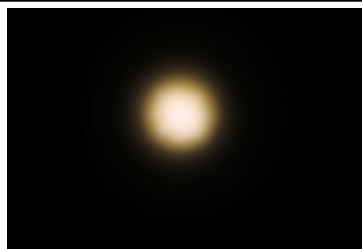
#### LUMILEDS

LED LUXEON CoB 1205HD  
 FWHM 15.0°  
 Efficiency 59 %  
 Peak intensity 6.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



#### LUMILEDS

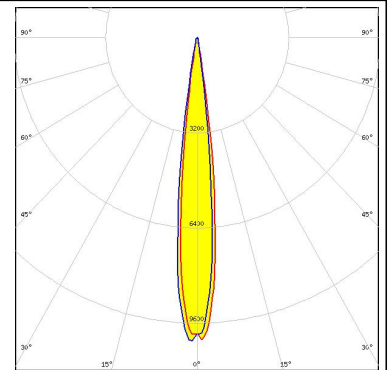
LED LUXEON CX Plus CoB - HD S01H4  
 FWHM 8.0°  
 Efficiency 67 %  
 Peak intensity 27.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



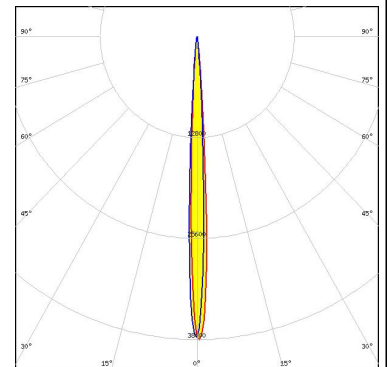
#### PHOTOMETRIC DATA (MEASURED):



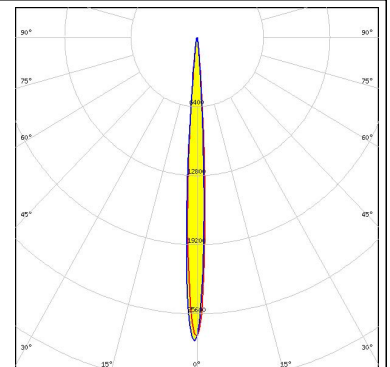
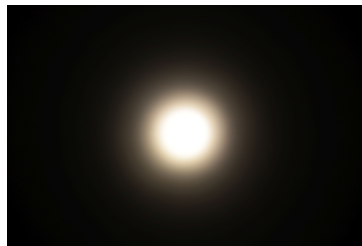
LED LUXEON CX Plus CoB - HD S04H9  
 FWHM 13.0°  
 Efficiency 61 %  
 Peak intensity 10.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



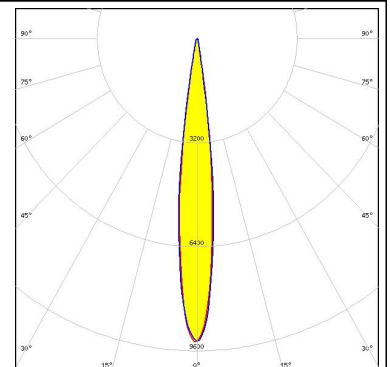
LED CXM-3  
 FWHM 6.0°  
 Efficiency 66 %  
 Peak intensity 38.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



LED CXM-4  
 FWHM 7.0°  
 Efficiency 63 %  
 Peak intensity 28.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



LED CxM-9 (13.5x13.5)  
 FWHM 13.0°  
 Efficiency 59 %  
 Peak intensity 9.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

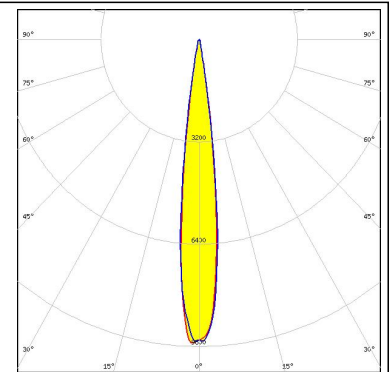
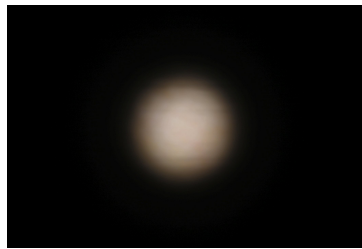




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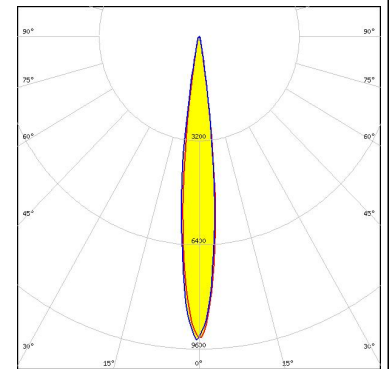
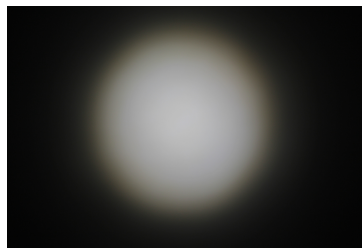
#### PHILIPS

LED Fortimo SLM L09 CoB  
 FWHM 13.0°  
 Efficiency 63 %  
 Peak intensity 9.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



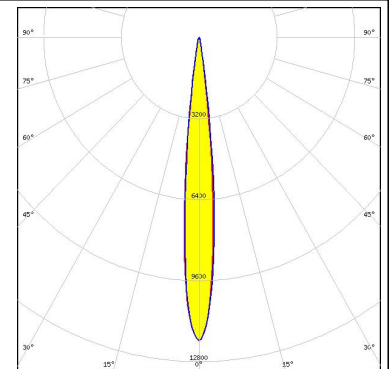
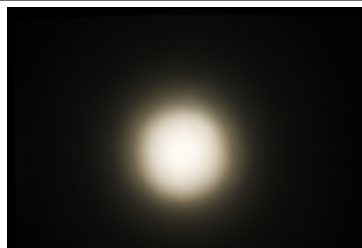
#### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
 FWHM 13.0°  
 Efficiency 60 %  
 Peak intensity 9.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



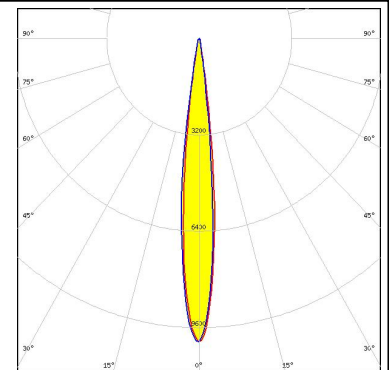
#### SAMSUNG

LED LC020C  
 FWHM 11.0°  
 Efficiency 61 %  
 Peak intensity 12 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



#### SAMSUNG

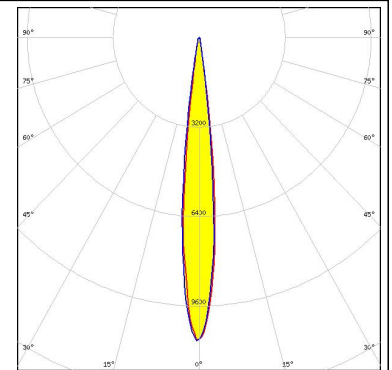
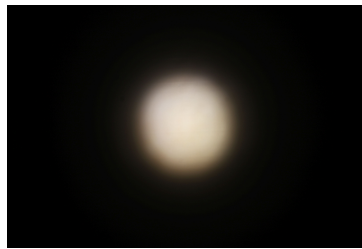
LED LC020C G2  
 FWHM 12.0°  
 Efficiency 59 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



#### PHOTOMETRIC DATA (MEASURED):

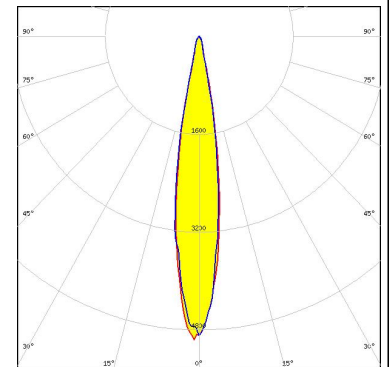
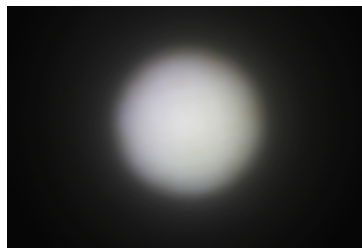
#### TRIDONIC

LED SLE G7 LES09  
 FWHM 12.0°  
 Efficiency 61 %  
 Peak intensity 10.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



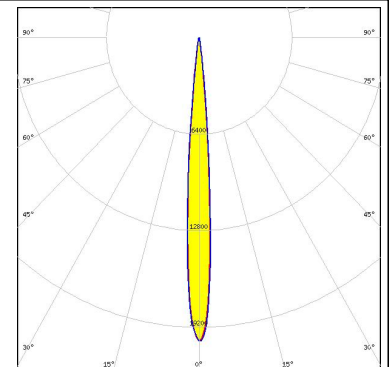
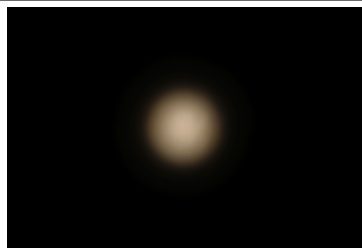
#### TRIDONIC

LED SLE G7 LES13  
 FWHM 17.0°  
 Efficiency 56 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



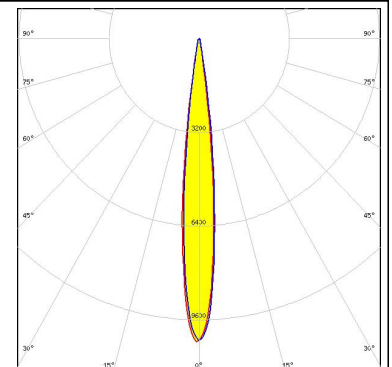
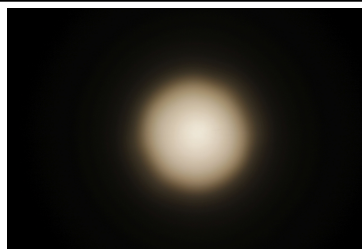
#### XICATO

LED XOB 6 mm  
 FWHM 9.0°  
 Efficiency 62 %  
 Peak intensity 20.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



#### XICATO

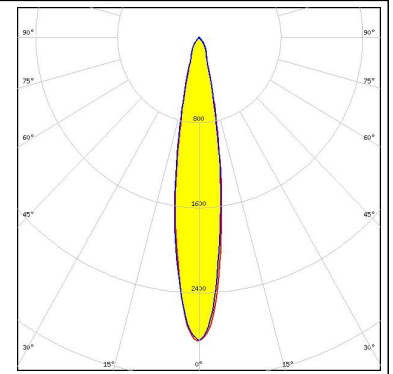
LED XOB 9.8 mm  
 FWHM 12.0°  
 Efficiency 60 %  
 Peak intensity 10.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C




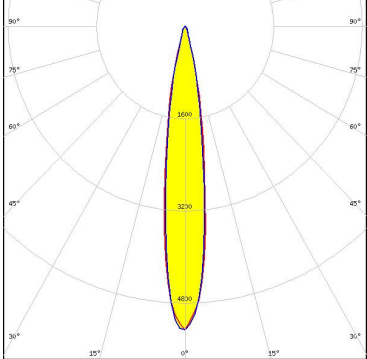
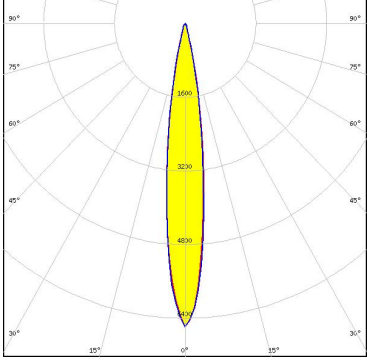

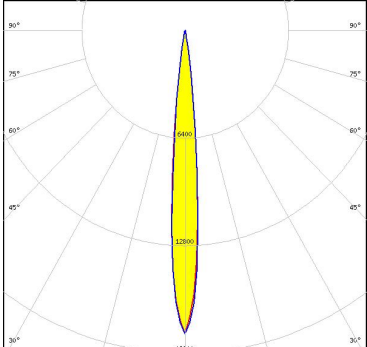

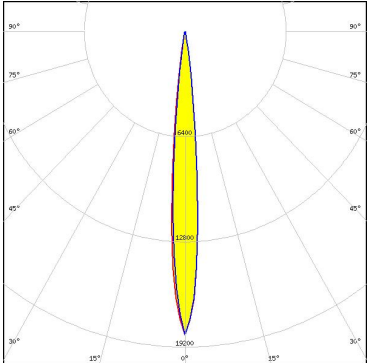
## PHOTOMETRIC DATA (MEASURED):

### XICATO

LED XTM - 19mm LES  
FWHM 18.0°  
Efficiency 50 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C16058\_XTM-ADAPTER-50-C



#### PHOTOMETRIC DATA (SIMULATED):

<p> <b>bridgelux</b></p> <p>LED VERO13            FWHM 15.0°            Efficiency 61 %            Peak intensity 5.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K</p>	
<p><b>CITIZEN</b></p> <p>LED CLU720/721            FWHM 15.0°            Efficiency 61 %            Peak intensity 6.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15859_HEKLA-SOCKET-I</p>	
<p> <b>LUMILEDS</b></p> <p>LED LUXEON CoB Compact            FWHM 10.0°            Efficiency 71 %            Peak intensity 18 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15848_HEKLA-SOCKET-G</p>	
<p> <b>LUMINUS</b></p> <p>LED CxM-6 (12x13)            FWHM 10.0°            Efficiency 68 %            Peak intensity 18.5 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:

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