

## RONDA-WAS2-C

Asymmetric beam ideal for floor installations  
with holder C compatible with LEDiL HEKLA

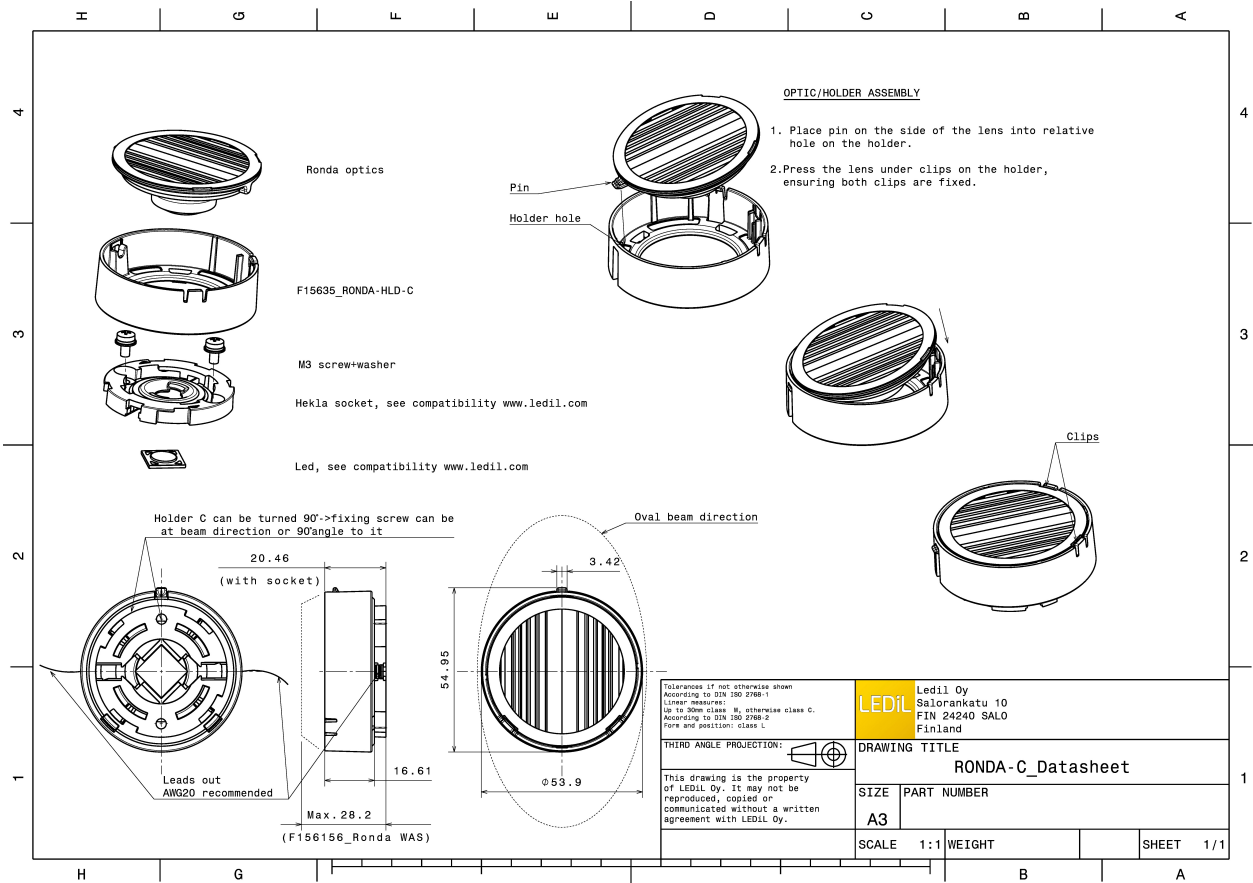
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 53.9 mm
Height	16 mm
Fastening	socket
Colour	clear
Box size	
Box weight	0 kg
Quantity in Box	420 pcs
ROHS compliant	yes ⓘ

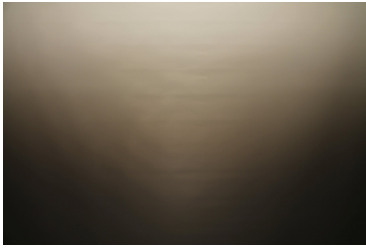
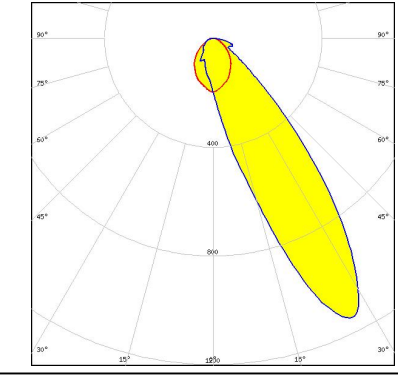
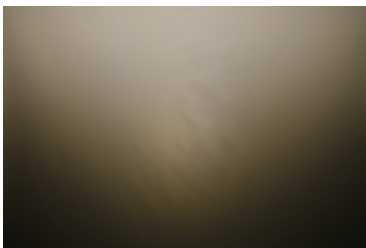
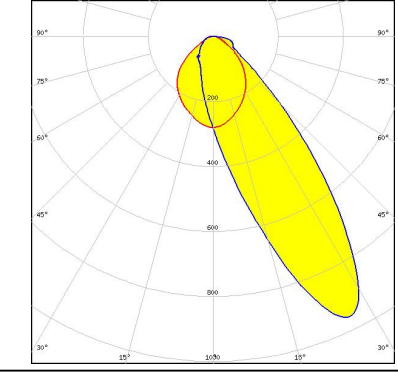
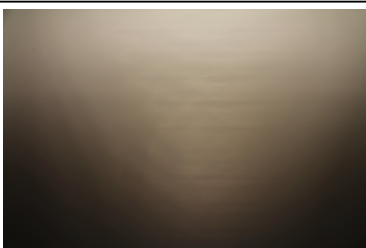
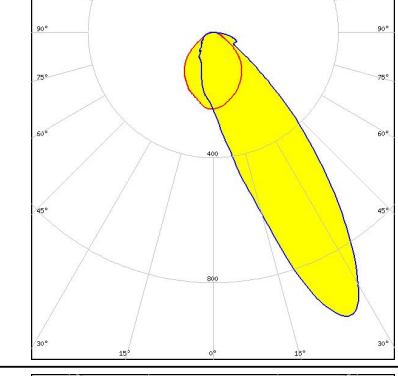
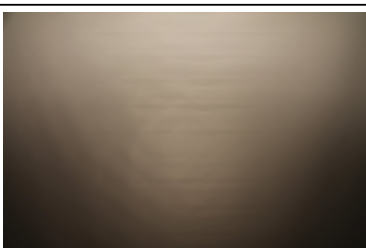
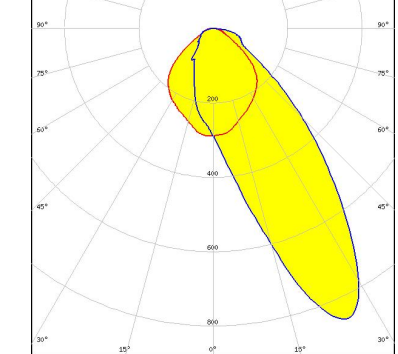


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
RONDA-WAS2	Single lens	PMMA	
RONDA-HLD-C	Holder	PC	



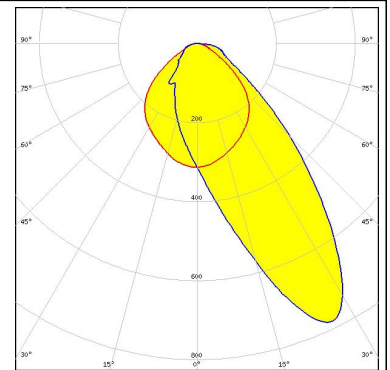
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V4 HD</p> <p>FWHM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 1.200 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 Gen6</p> <p>FWHM Asymmetric</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.960 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 Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 1.000 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 Asymmetric</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.860 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p>		

#### PHOTOMETRIC DATA (MEASURED):

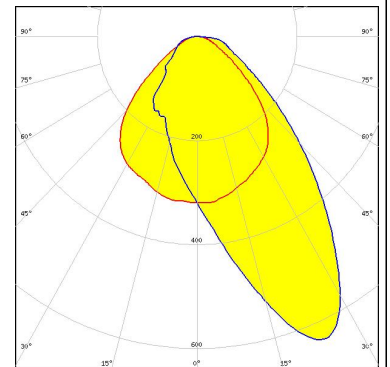
bridgelux.

LED VERO10  
 FWHM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.780 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15616\_HEKLA-SOCKET-F



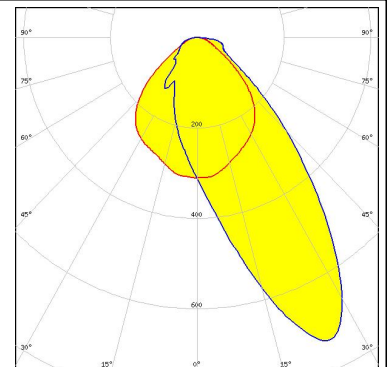
bridgelux.

LED Vesta TW 13mm (25W) CSP  
 FWHM Asymmetric  
 Efficiency 85 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



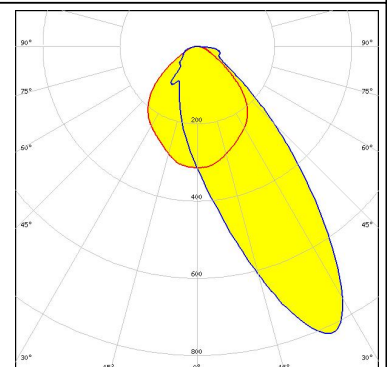
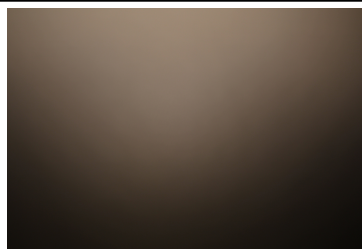
bridgelux.

LED Vesta TW 9mm (12W) CSP  
 FWHM Asymmetric  
 Efficiency 86 %  
 Peak intensity 0.740 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



## CITIZEN

LED CLC020 Series (Dim-To-Warm)  
 FWHM Asymmetric  
 Efficiency 86 %  
 Peak intensity 0.820 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

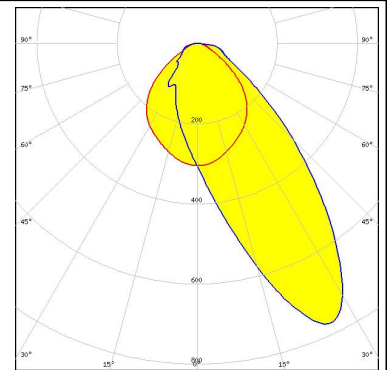




#### PHOTOMETRIC DATA (MEASURED):

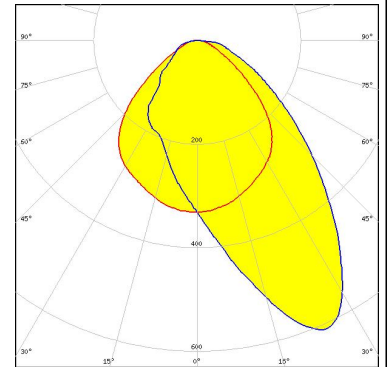
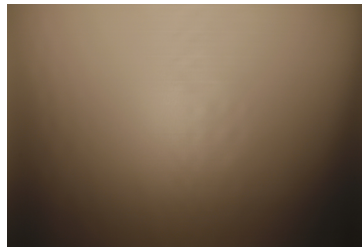
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM Asymmetric  
 Efficiency 87 %  
 Peak intensity 0.770 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



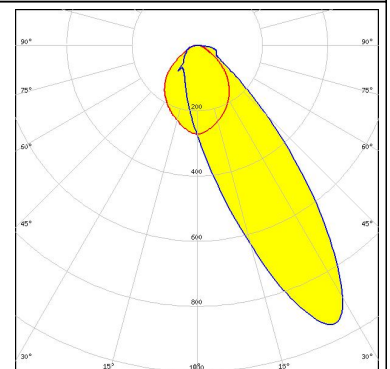
#### CITIZEN

LED CLL03x/CLU03x  
 FWHM Asymmetric  
 Efficiency 86 %  
 Peak intensity 0.610 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



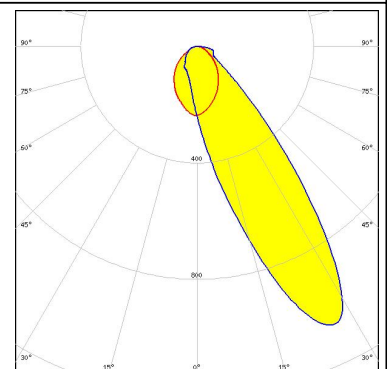
#### CITIZEN

LED CLU700/701  
 FWHM Asymmetric  
 Efficiency 88 %  
 Peak intensity 0.960 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



#### CITIZEN

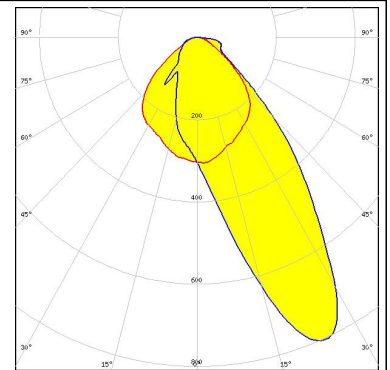
LED CLU7A2 (LES 4.2mm)  
 FWHM Asymmetric  
 Efficiency 89 %  
 Peak intensity 1.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



#### PHOTOMETRIC DATA (MEASURED):

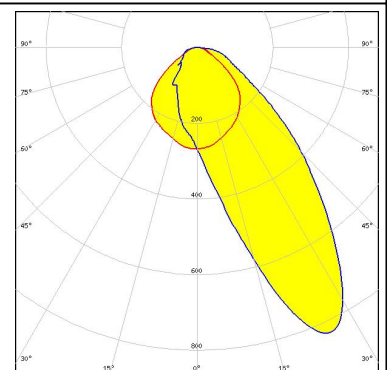
#### CITIZEN

LED LCN-C01B (Tunable White)  
 FWHM Asymmetric  
 Efficiency 86 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 481 Typ L8



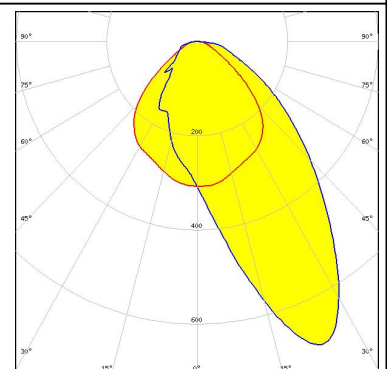
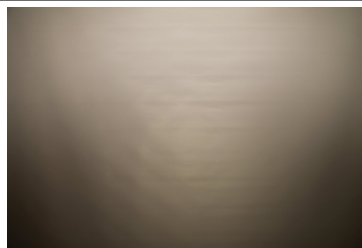
#### CREE

LED CMA1516  
 FWHM Asymmetric  
 Efficiency 91 %  
 Peak intensity 0.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



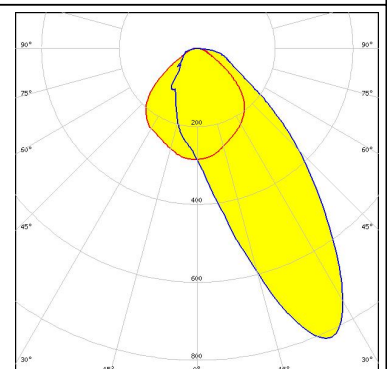
#### CREE

LED CMA1825  
 FWHM Asymmetric  
 Efficiency 91 %  
 Peak intensity 0.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15254\_HEKLA-SOCKET-B



#### CREE

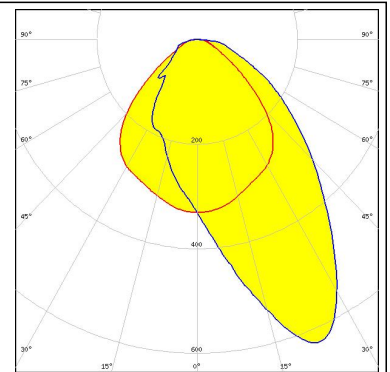
LED CMT14xx  
 FWHM Asymmetric  
 Efficiency 91 %  
 Peak intensity 0.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



#### PHOTOMETRIC DATA (MEASURED):

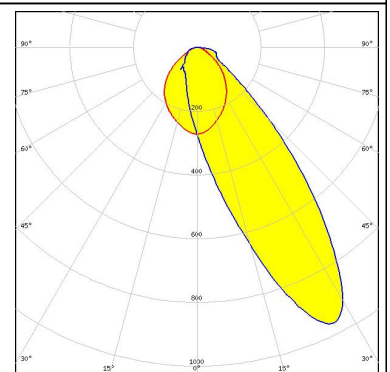
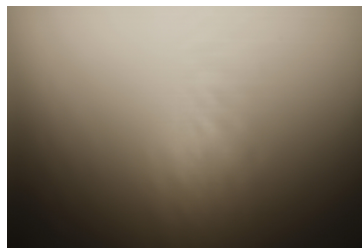
#### CREE

LED CMT19xx  
 FWHM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.629 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



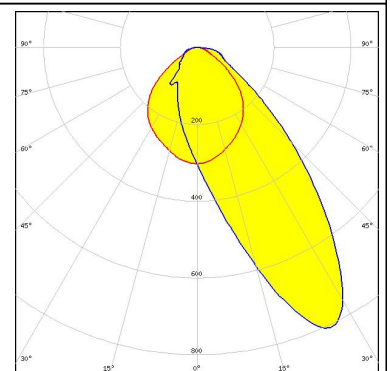
#### CREE

LED CXA/B 13xx  
 FWHM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.970 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15956\_HEKLA-SOCKET-J



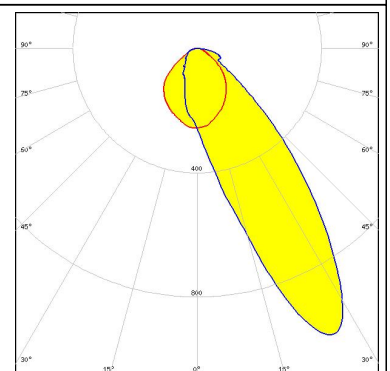
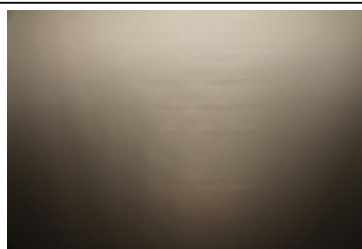
#### CREE

LED CXA/B 15xx  
 FWHM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.810 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



#### LUMILEDS

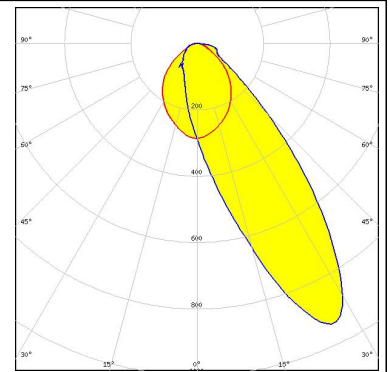
LED LUXEON CoB 1202HD  
 FWHM Asymmetric  
 Efficiency 92 %  
 Peak intensity 1.020 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



#### PHOTOMETRIC DATA (MEASURED):

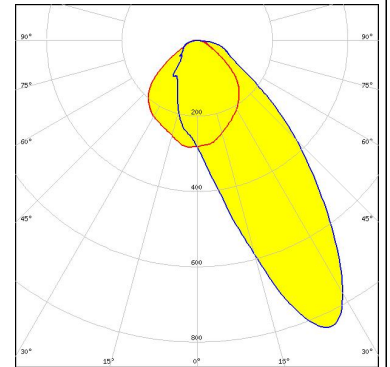
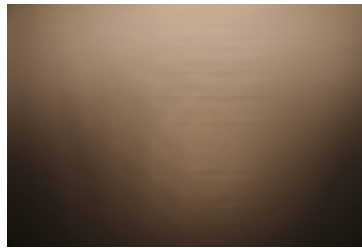
#### LUMILEDS

LED LUXEON CoB 1202s  
 FWHM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.940 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



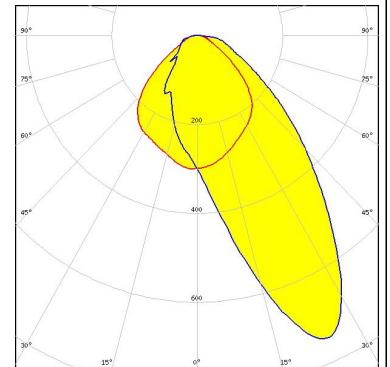
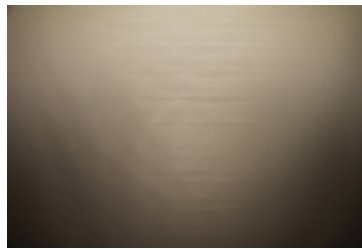
#### LUMILEDS

LED LUXEON CoB 1204HD  
 FWHM Asymmetric  
 Efficiency 91 %  
 Peak intensity 0.840 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



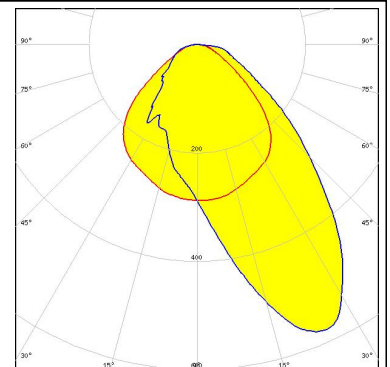
#### LUMILEDS

LED LUXEON CoB 1205HD  
 FWHM Asymmetric  
 Efficiency 90 %  
 Peak intensity 0.750 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



#### LUMINUS

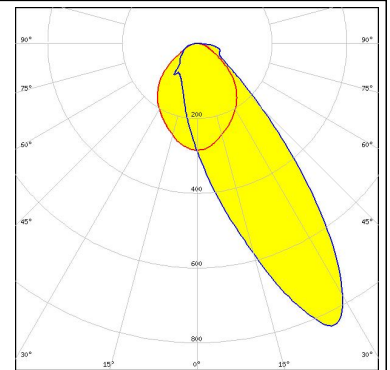
LED CDM-14 (Dim-To-Warm)  
 FWHM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 491 Typ L8



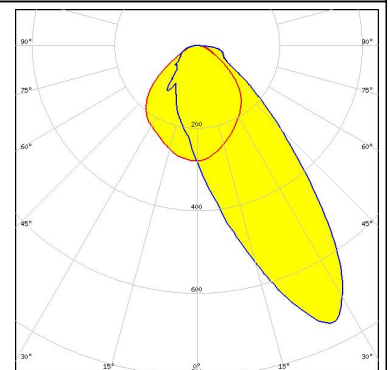
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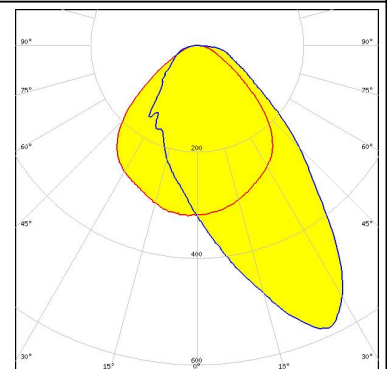
LED CDM-6 (Dim-To-Warm)  
 FWHM Asymmetric  
 Efficiency 85 %  
 Peak intensity 0.840 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 490 Typ L8



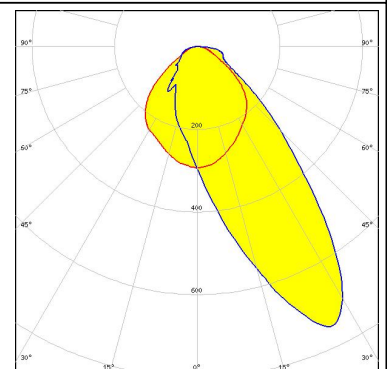
LED CDM-9 (Dim-To-Warm)  
 FWHM Asymmetric  
 Efficiency 85 %  
 Peak intensity 0.750 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 490 Typ L8



LED CTM-14 (Tunable White)  
 FWHM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.590 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 442 Typ L8



LED CTM-9 (Tunable White)  
 FWHM Asymmetric  
 Efficiency 85 %  
 Peak intensity 0.750 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 495 Typ L8

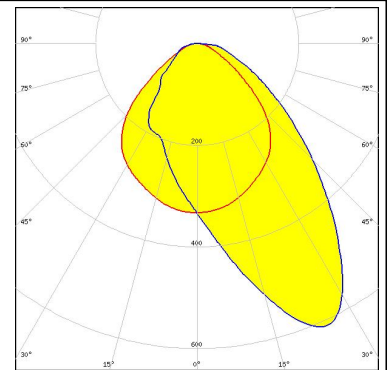




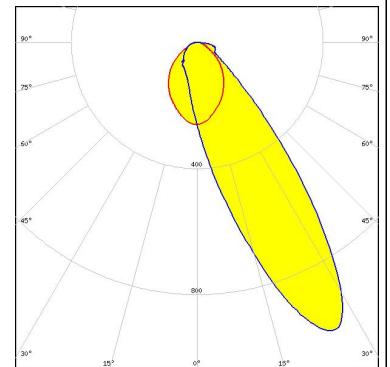
#### PHOTOMETRIC DATA (MEASURED):



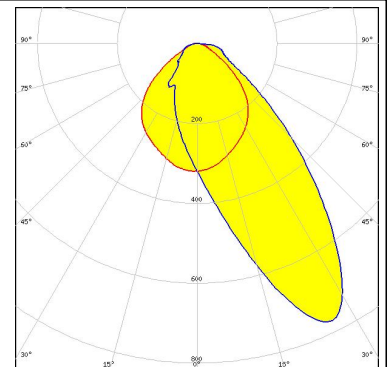
LED CxM-14 (19x19)  
FWHM Asymmetric  
Efficiency 87 %  
Peak intensity 0.610 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15859\_HEKLA-SOCKET-I



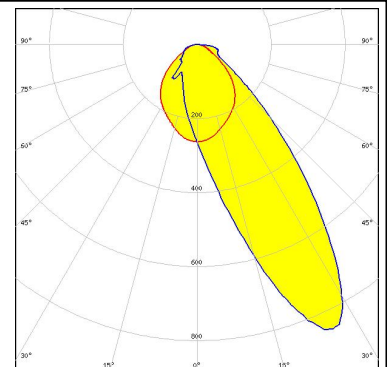
LED CXM-4  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 1.021 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



LED CxM-9 (13.5x13.5)  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 0.770 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



LED NJCWL024Z-V1MT: COB L-Type Tunable White  
FWHM Asymmetric  
Efficiency 82 %  
Peak intensity 0.855 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C16142\_HEKLA-SOCKET-K  
Bender Wirth: 497 Typ L8

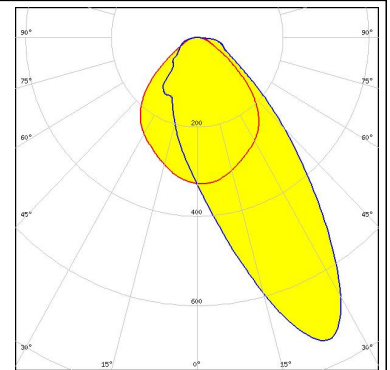




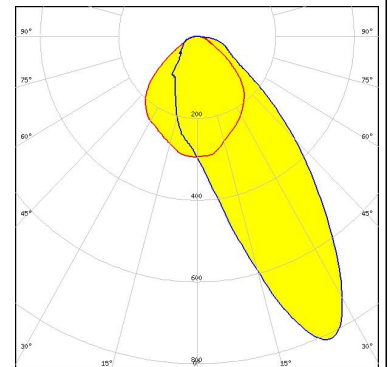
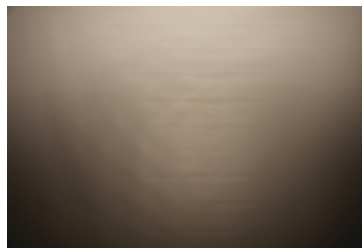
#### PHOTOMETRIC DATA (MEASURED):



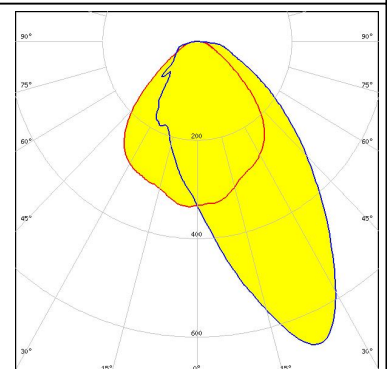
**LED** NVCWJ024Z-V1MT: COB J-Type Tunable White  
**FWHM** Asymmetric  
**Efficiency** 86 %  
**Peak intensity** 0.743 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 498 Typ L8



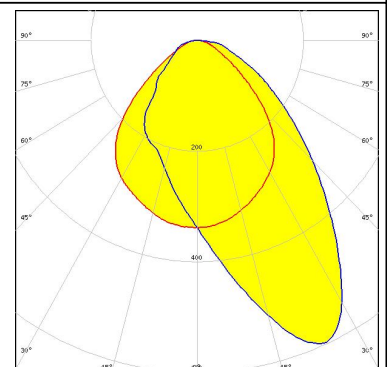
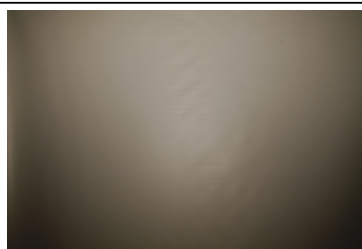
**LED** Fortimo SLM L09 CoB  
**FWHM** Asymmetric  
**Efficiency** 90 %  
**Peak intensity** 0.800 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F15858\_HEKLA-SOCKET-H



**LED** Fortimo SLM L13 CoB  
**FWHM** Asymmetric  
**Efficiency** 88 %  
**Peak intensity** 0.670 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 432 Typ L8



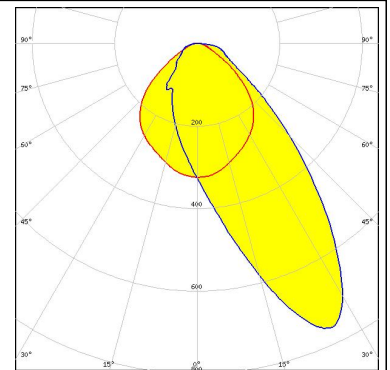
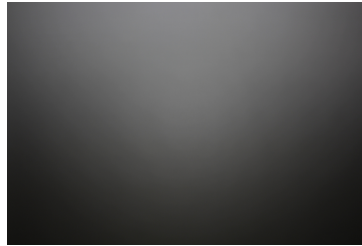
**LED** COB D Series LES 14.5 mm  
**FWHM** Asymmetric  
**Efficiency** 87 %  
**Peak intensity** 0.600 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F15859\_HEKLA-SOCKET-I



#### PHOTOMETRIC DATA (MEASURED):

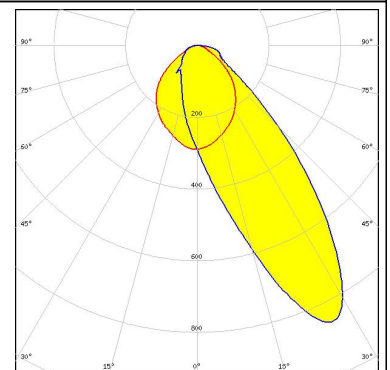
### SAMSUNG

LED COB D Series LES 9.8 mm  
FWHM Asymmetric  
Efficiency 87 %  
Peak intensity 0.760 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



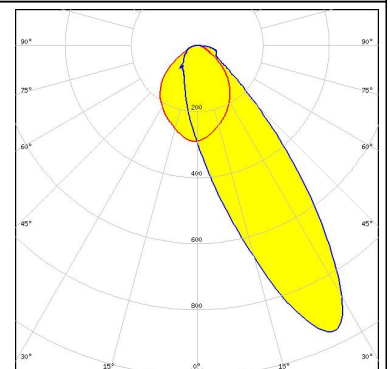
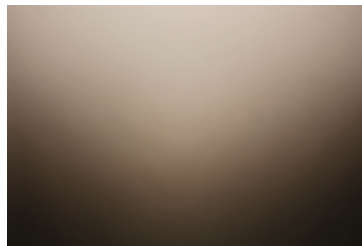
### SAMSUNG

LED LC010C  
FWHM Asymmetric  
Efficiency 87 %  
Peak intensity 0.860 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15848\_HEKLA-SOCKET-G



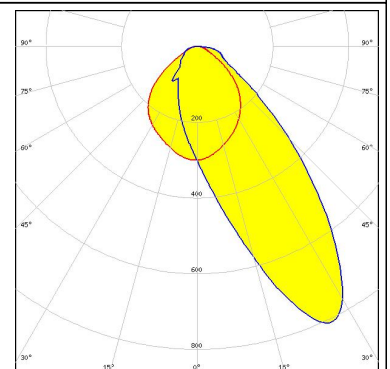
### SAMSUNG

LED LC010C G2  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 1.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



### SAMSUNG

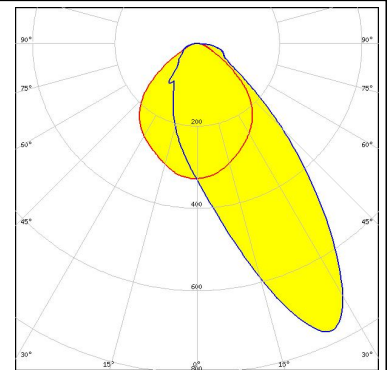
LED LC020C  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 0.810 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15848\_HEKLA-SOCKET-G



**PHOTOMETRIC DATA (MEASURED):**

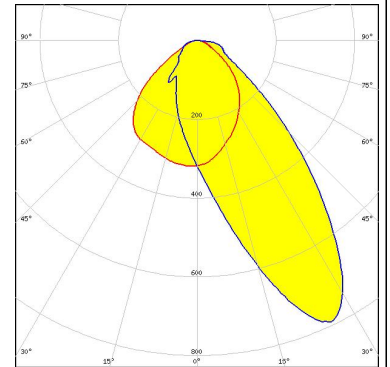
**SAMSUNG**

LED LC020C G2  
 FWHM Asymmetric  
 Efficiency 87 %  
 Peak intensity 0.770 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



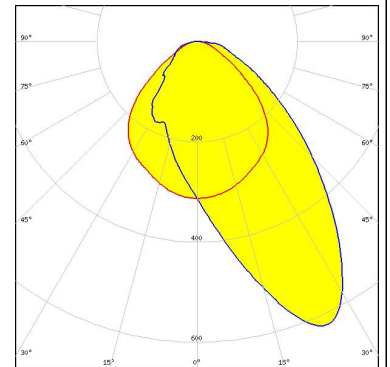
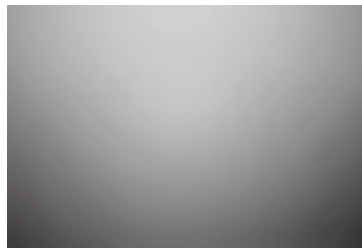
**TRIDONIC**

LED SLE G7 LES09  
 FWHM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



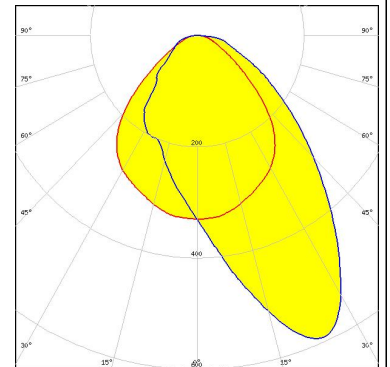
**TRIDONIC**

LED SLE G7 LES13  
 FWHM Asymmetric  
 Efficiency 86 %  
 Peak intensity 0.620 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



**TRIDONIC**

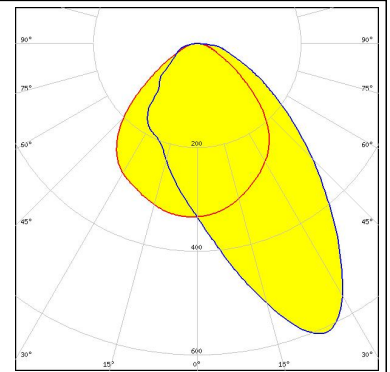
LED SLE G7 LES15  
 FWHM Asymmetric  
 Efficiency 86 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



### PHOTOMETRIC DATA (MEASURED):

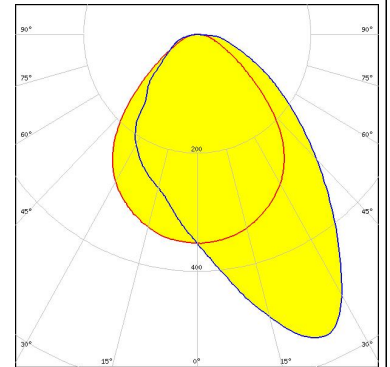
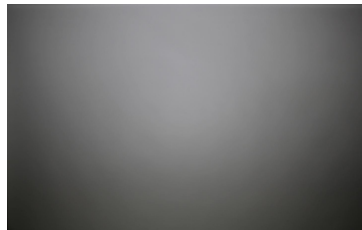
#### XICATO

LED XOB 14.5 mm  
FWHM Asymmetric  
Efficiency 87 %  
Peak intensity 0.612 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15859\_HEKLA-SOCKET-I


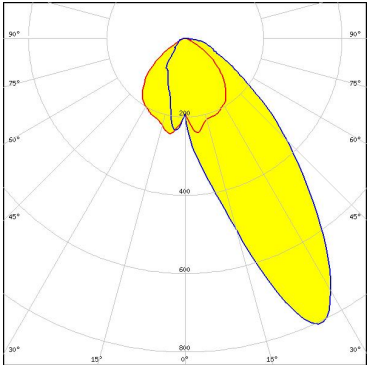

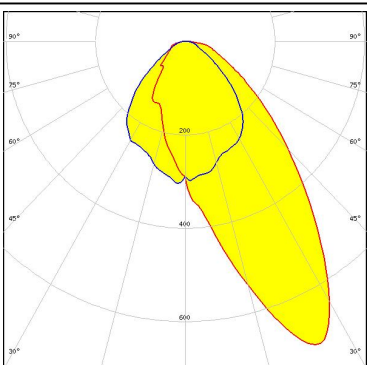

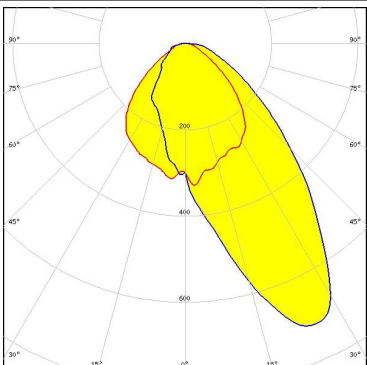

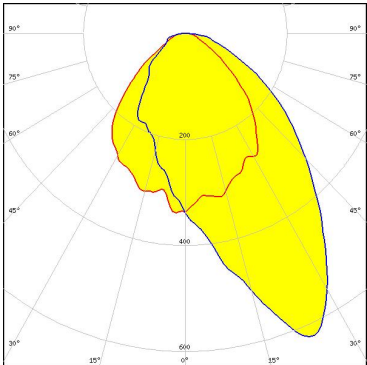


#### XICATO

LED XTM - 19mm LES  
FWHM Asymmetric  
Efficiency 83 %  
Peak intensity 0.530 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 V10 Gen7            FWHM Asymmetric            Efficiency 0 %            Peak intensity 0.800 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15255_HEKLA-SOCKET-C</p>	
<p> <b>bridgelux</b></p> <p>LED VERO13            FWHM Asymmetric            Efficiency 83 %            Peak intensity 0.714 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K</p>	
<p> <b>LUMILEDS</b></p> <p>LED LUXEON CoB L04/L05            FWHM Asymmetric            Efficiency 87 %            Peak intensity 0.718 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15254_HEKLA-SOCKET-B</p>	
<p> <b>LUMILEDS</b></p> <p>LED LUXEON CoB L08            FWHM Asymmetric            Efficiency 86 %            Peak intensity 0.626 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 457 Typ L8</p>	

#### PHOTOMETRIC DATA (SIMULATED):

#### LUMILEDS

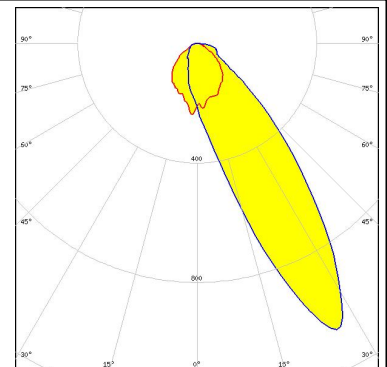
LED LUXEON CoB M02/M03  
FWHM Asymmetric  
Efficiency 89 %  
Peak intensity 0.908 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15256\_HEKLA-SOCKET-D

#### LUMILEDS

LED LUXEON CoB S01  
FWHM Asymmetric  
Efficiency 90 %  
Peak intensity 1.124 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15956\_HEKLA-SOCKET-J

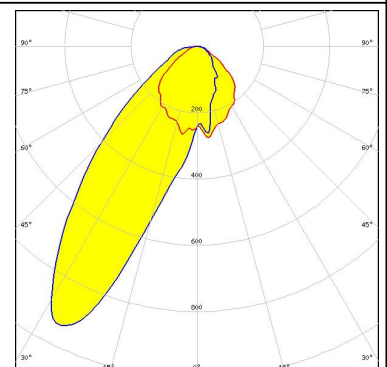
#### NICHIA

LED COB T-Type  
FWHM Asymmetric  
Efficiency 83 %  
Peak intensity 1.070 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15848\_HEKLA-SOCKET-G



#### TRIDONIC

LED SLE G6 LES10  
FWHM Asymmetric  
Efficiency 93 %  
Peak intensity 0.937 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C

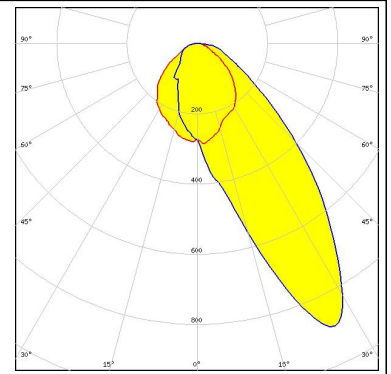




## PHOTOMETRIC DATA (SIMULATED):

### XICATO

LED XTM - 9mm LES  
FWHM Asymmetric  
Efficiency 92 %  
Peak intensity 0.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C16058\_XTM-ADAPTER-50-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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Hong Kong, China

#### Distribution Partners

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