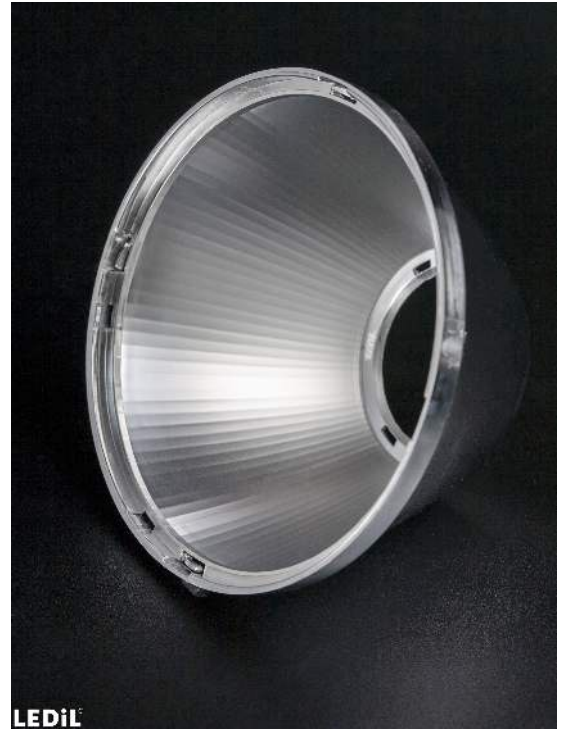


## ANGELETTE-S-B

~10° spot beam compatible with BJB and B+W connectors

### SPECIFICATION:

Dimensions	Ø 110.0 mm
Height	57.3 mm
Fastening	socket
ROHS compliant	yes ⓘ

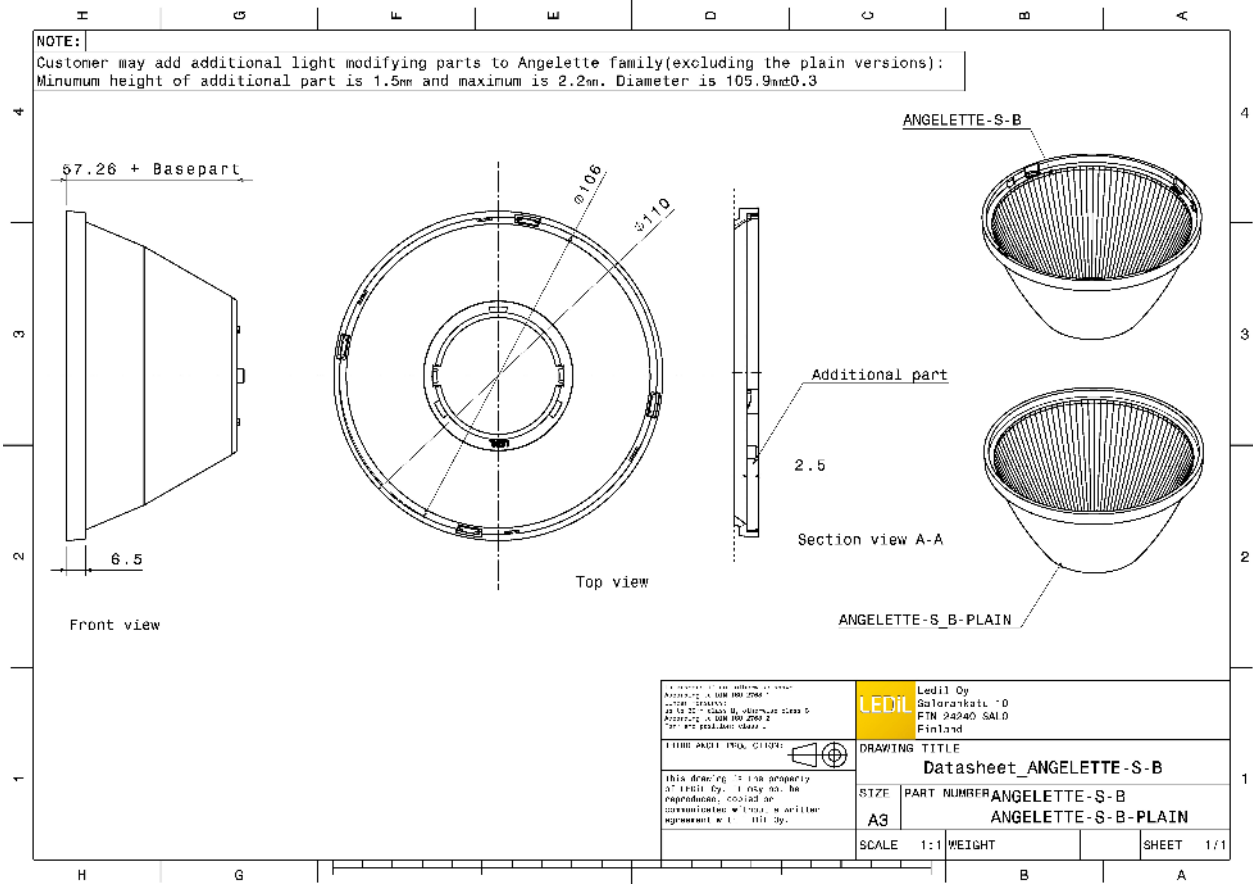


### MATERIALS:

Component	Type	Material	Colour	Finish	Coating
ANGELETTE-S-B	Reflector	PC	metal		


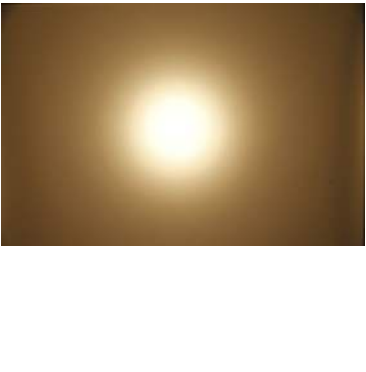
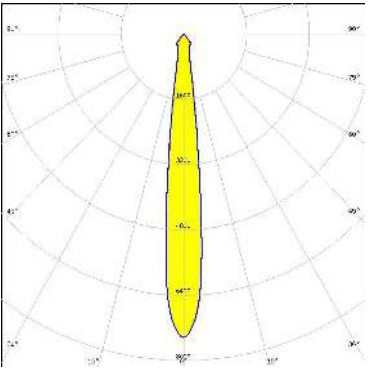


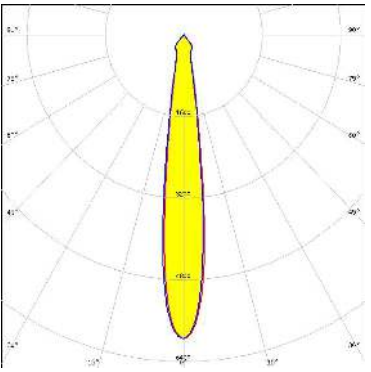


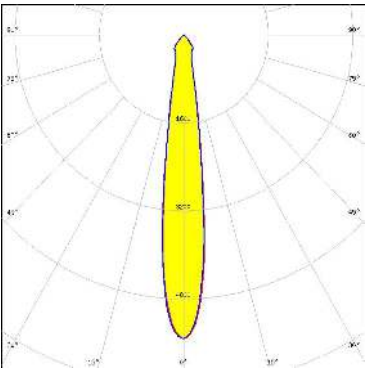


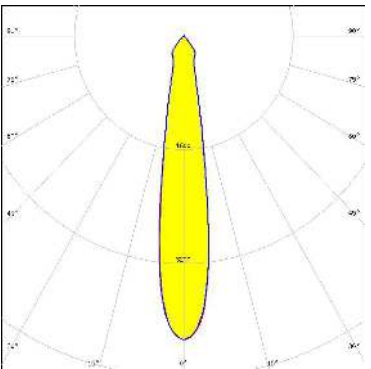
### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F14616_ANGELETTE-S-B » Box size: 398 x 298 x 265 mm	180	90	45	7.4



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

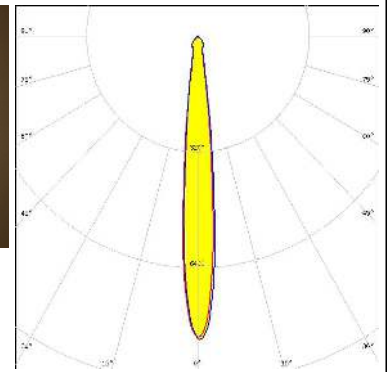
#### OPTICAL RESULTS (MEASURED):

<p></p> <p>LED V15 Gen6            FWHM / FWTM 13.0° / 26.0°            Efficiency 91 %            Peak intensity 7.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            BJB: 47.319.2224</p>		
<p></p> <p>LED V18 Gen6            FWHM / FWTM 15.0° / 31.0°            Efficiency 91 %            Peak intensity 6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            BJB: 47.319.2274</p>		
<p></p> <p>LED V18 Gen7            FWHM / FWTM 15.0° / 33.0°            Efficiency 91 %            Peak intensity 5.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:            BJB: 47.319.2350</p>		
<p></p> <p>LED V22 Gen6            FWHM / FWTM 18.0° / 42.0°            Efficiency 89 %            Peak intensity 4.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:            A.A.G. STUCCHI: 8102-G2</p>		

#### OPTICAL RESULTS (MEASURED):

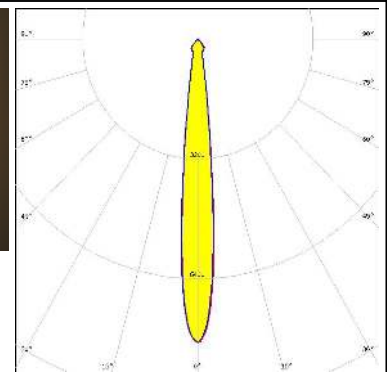
#### CITIZEN

LED CLL03x/CLU03x  
 FWHM / FWTM 12.0° / 25.0°  
 Efficiency 91 %  
 Peak intensity 8.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.319.2021



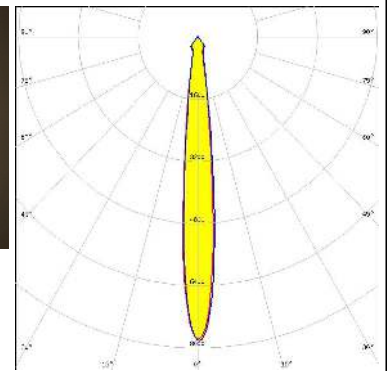
#### CITIZEN

LED CLL03x/CLU03x  
 FWHM / FWTM 12.0° / 25.0°  
 Efficiency 90 %  
 Peak intensity 8.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 A.A.G. STUCCHI: 8101-G2



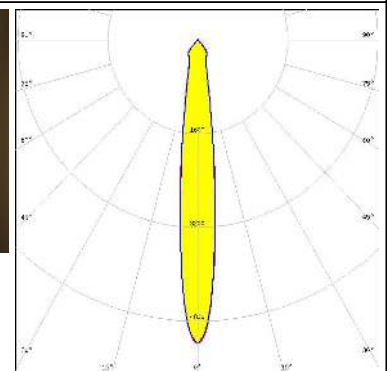
#### CITIZEN

LED CLL03x/CLU03x  
 FWHM / FWTM 12.0° / 25.0°  
 Efficiency 88 %  
 Peak intensity 7.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15176\_ANGELETTE-LENS  
 BJB: 47.319.2021



#### CITIZEN

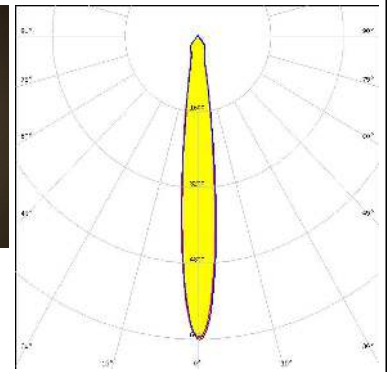
LED CLL03x/CLU03x  
 FWHM / FWTM 14.0° / 36.0°  
 Efficiency 85 %  
 Peak intensity 5.2 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 A.A.G. STUCCHI: 8101-G2



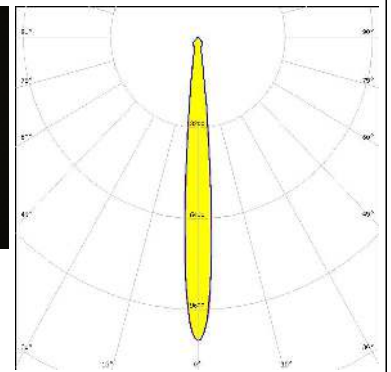
#### OPTICAL RESULTS (MEASURED):

#### CITIZEN

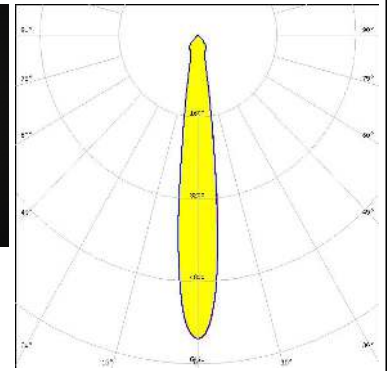
LED CLL03x/CLU03x  
 FWHM / FWTM 13.0° / 29.0°  
 Efficiency 88 %  
 Peak intensity 6.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15412\_ANGELETTE-DL  
 BJB: 47.319.2021



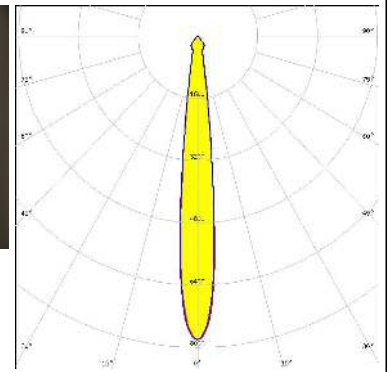
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 10.0° / 21.0°  
 Efficiency 91 %  
 Peak intensity 10.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 A.A.G. STUCCHI: 8403/G2




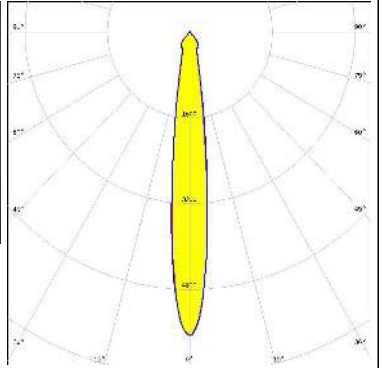

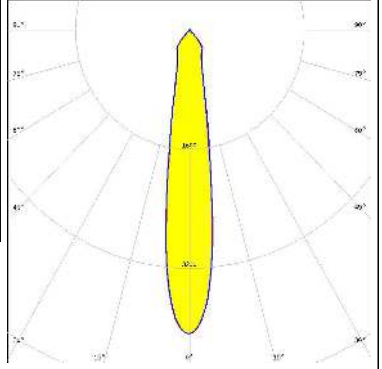
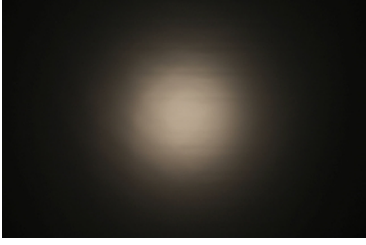
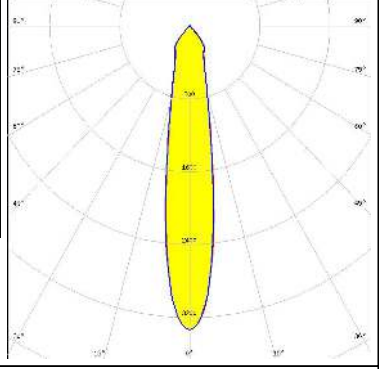
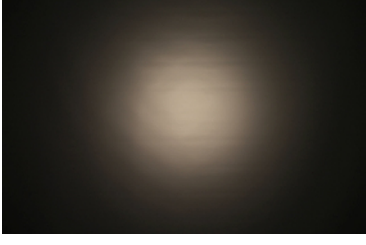
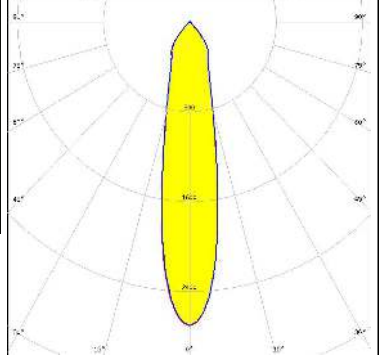
LED CXA/B 25xx  
 FWHM / FWTM 14.0° / 31.0°  
 Efficiency 90 %  
 Peak intensity 5.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 A.A.G. STUCCHI: 8401-G2



LED LUXEON CoB 1208  
 FWHM / FWTM 12.0° / 26.0°  
 Efficiency 91 %  
 Peak intensity 7.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 A.A.G. STUCCHI: 8301-G2



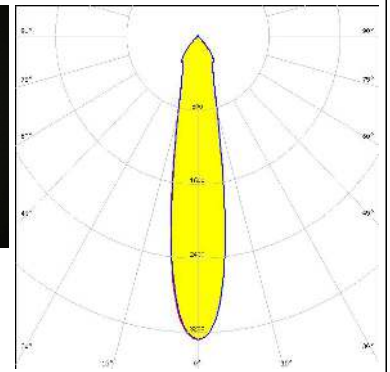
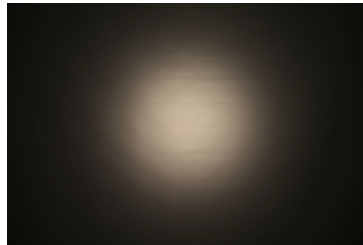
#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1208</p> <p>FWHM / FWTM 14.0° / 33.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 5.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F13671_ANGE-RZ-LENS A.A.G. STUCCHI: 8301-G2</p>		
<p><b>PHILIPS</b></p> <p>LED Fortimo SLM L19 CoB</p> <p>FWHM / FWTM 17.0° / 48.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 4.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: BJB: 47.319.2030</p>		
<p><b>PHILIPS</b></p> <p>LED Fortimo SLM L19 CoB</p> <p>FWHM / FWTM 18.0° / 58.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 3.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2030</p>		
<p><b>PHILIPS</b></p> <p>LED Fortimo SLM L23 CoB</p> <p>FWHM / FWTM 22.0° / 72.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 2.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2030</p>		

#### OPTICAL RESULTS (MEASURED):

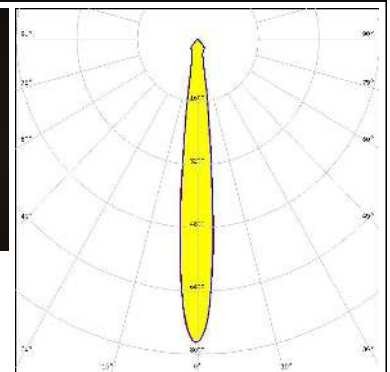
### PHILIPS

LED Fortimo SLM L23 CoB  
 FWHM / FWTM 20.0° / 64.0°  
 Efficiency 90 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.319.2030



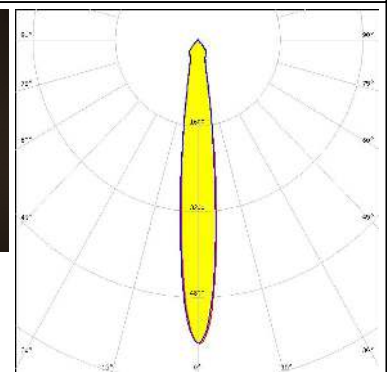
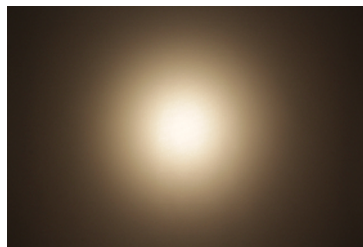
### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 12.0° / 26.0°  
 Efficiency 91 %  
 Peak intensity 7.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.319.2021



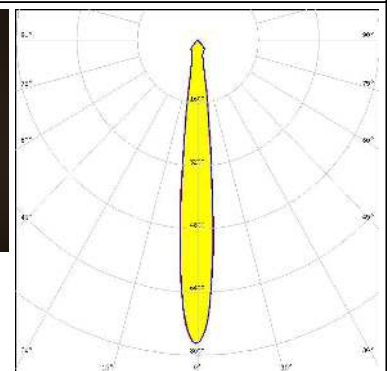
### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 14.0° / 33.0°  
 Efficiency 88 %  
 Peak intensity 5.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 BJB: 47.319.2021



### SAMSUNG

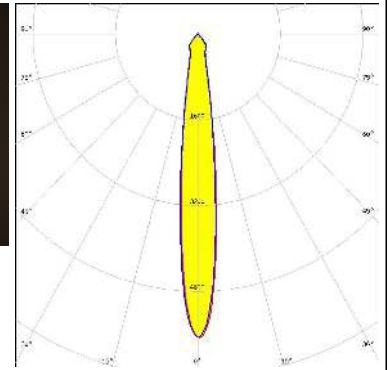
LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 12.0° / 26.0°  
 Efficiency 91 %  
 Peak intensity 7.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 A.A.G. STUCCHI: 8101-G2



#### OPTICAL RESULTS (MEASURED):

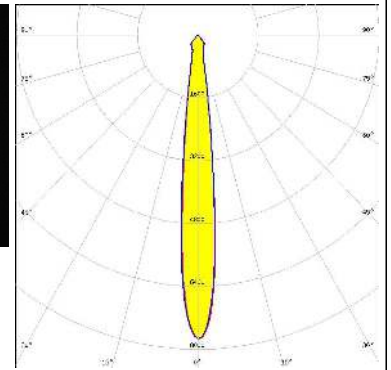
### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 14.0° / 33.0°  
 Efficiency 88 %  
 Peak intensity 5.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 A.A.G. STUCCHI: 8101-G2



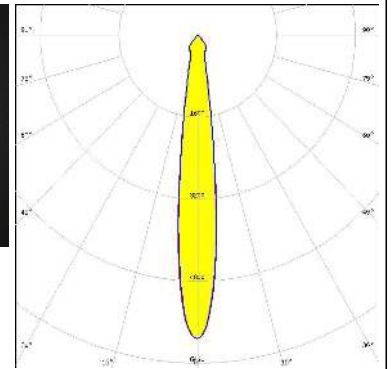
### TRIDONIC

LED SLE G7 LES15  
 FWHM / FWTM 12.0° / 26.0°  
 Efficiency 91 %  
 Peak intensity 7.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.319.2021



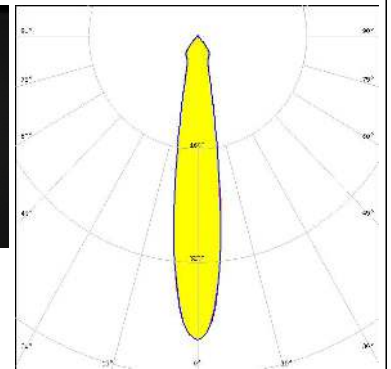
### TRIDONIC

LED SLE G7 LES17 H  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 89 %  
 Peak intensity 5.9 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### TRIDONIC

LED SLE G7 LES21 H  
 FWHM / FWTM 18.0° / 42.0°  
 Efficiency 89 %  
 Peak intensity 4.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:

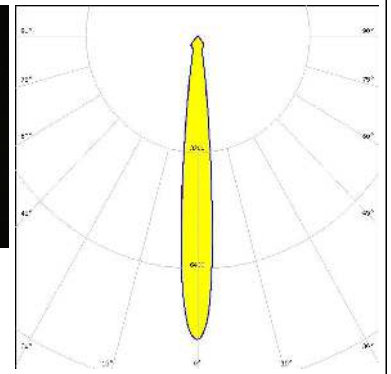




## OPTICAL RESULTS (MEASURED):

### XICATO

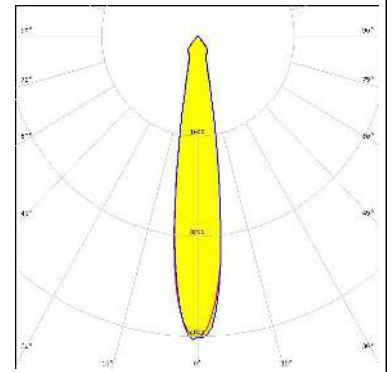
LED XOB 14.5 mm  
FWHM / FWTM 11.0° / 24.0°  
Efficiency 92 %  
Peak intensity 8.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
BJB: 47.319.2021



#### OPTICAL RESULTS (SIMULATED):

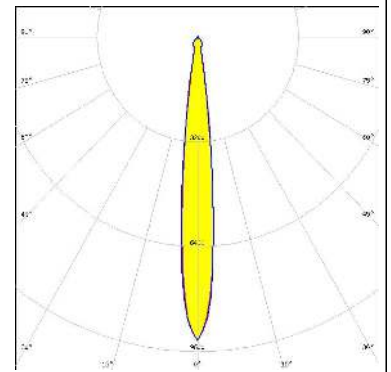
### CITIZEN

LED CLL04x/CLU04x  
FWHM / FWTM 17.0° / 37.0°  
Efficiency 89 %  
Peak intensity 4.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
BJB: 47.319.2030



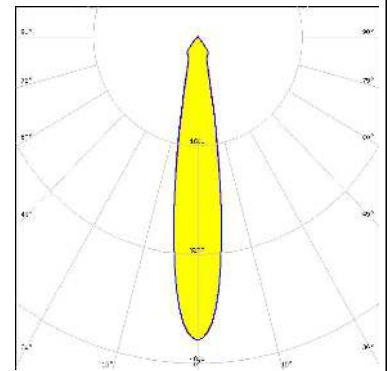
### LUMILEDS

LED LUXEON CoB 1208  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 89 %  
Peak intensity 9.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15412\_ANGELETTE-DL  
A.A.G. STUCCHI: 8301-G2



### SAMSUNG

LED LC040D / LC060D / LC080D  
FWHM / FWTM 18.0° / 39.0°  
Efficiency 88 %  
Peak intensity 4.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
BJB: 47.319.2030



### 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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