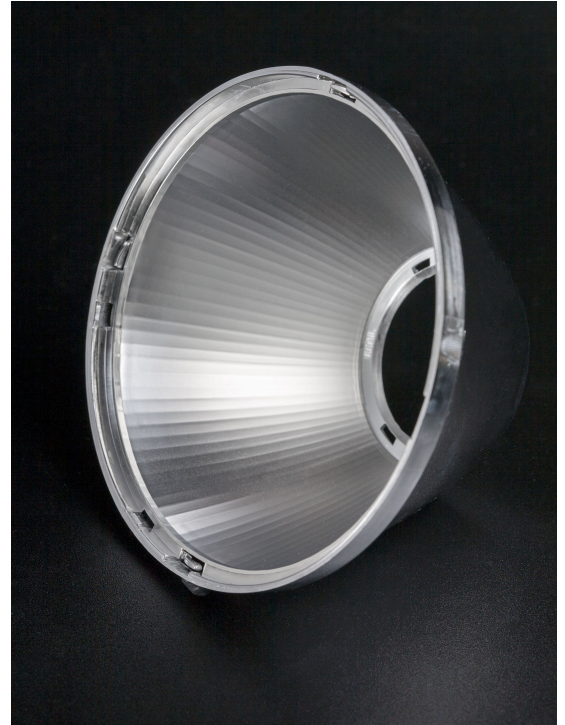


## ANGELETTE-S-B

~10° spot beam compatible with BJB connectors

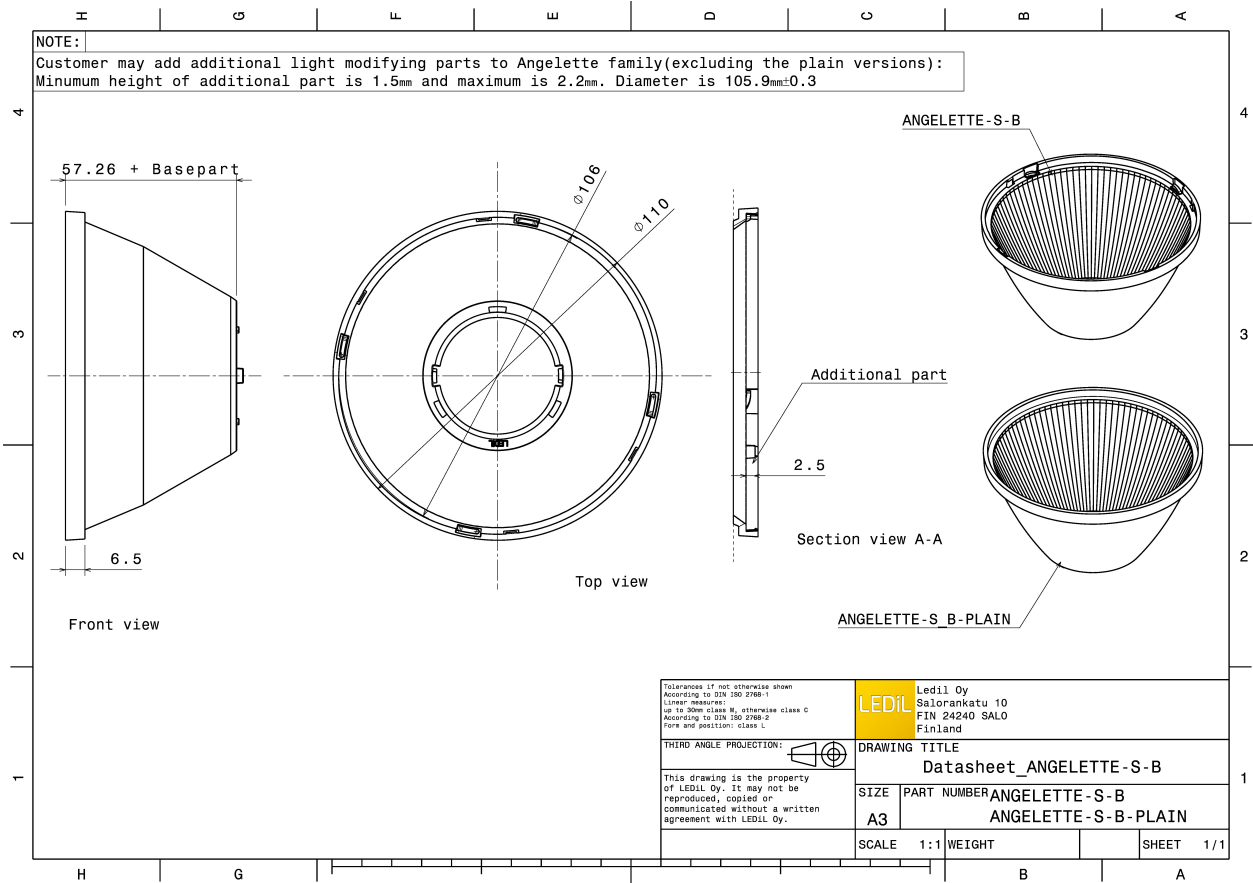
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 110.0 mm
Height	57.3 mm
Fastening	socket
Colour	metal
Box size	398 x 298 x 265 mm
Box weight	7.4 kg
Quantity in Box	180 pcs
ROHS compliant	yes ⓘ


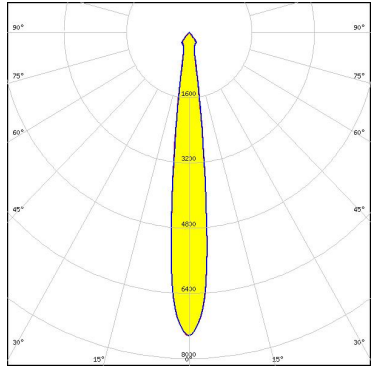

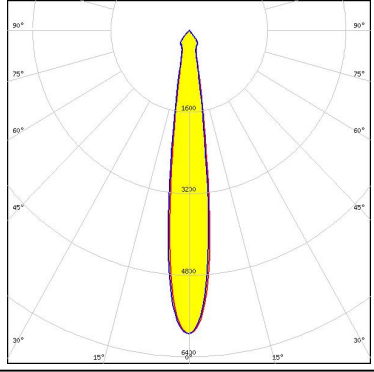

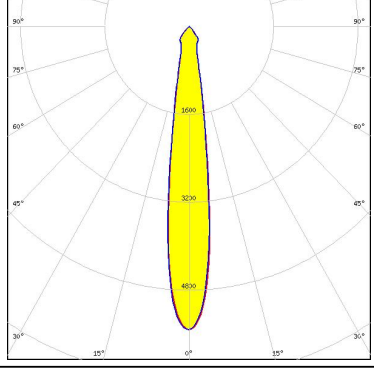
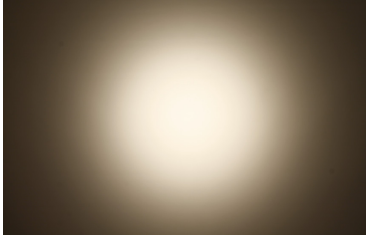
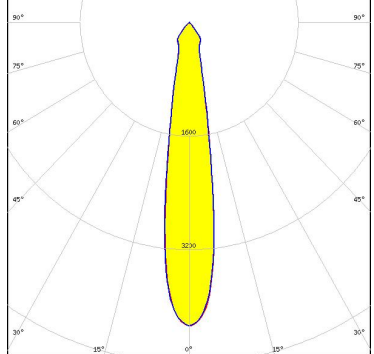


### MATERIAL SPECIFICATIONS:

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



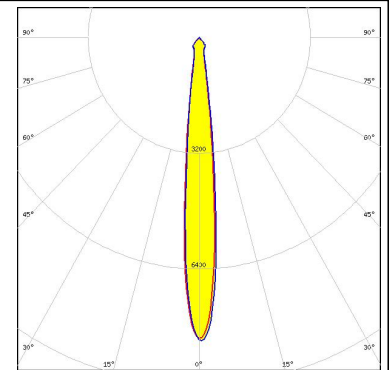
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V15 Gen6</p> <p>FWHM 13.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 7.400 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: BJB: 47.319.2224</p>		
<p>bridgelux.</p> <p>LED V18 Gen6</p> <p>FWHM 15.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 6.000 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: BJB: 47.319.2274</p>		
<p>bridgelux.</p> <p>LED V18 Gen7</p> <p>FWHM 15.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 5.500 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: BJB: 47.319.2350</p>		
<p>bridgelux.</p> <p>LED V22 Gen6</p> <p>FWHM 18.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 4.300 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: A.A.G. STUCCHI: 8102/G2</p>		

#### PHOTOMETRIC DATA (MEASURED):

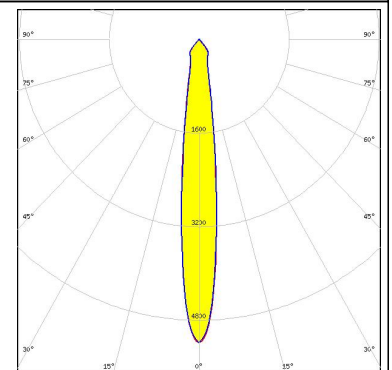
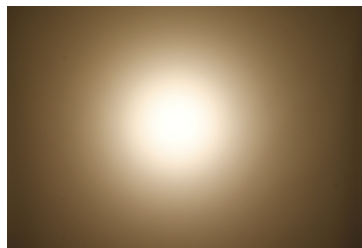
#### CITIZEN

LED CLL03x/CLU03x  
 FWHM 12.0°  
 Efficiency 91 %  
 Peak intensity 8.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.319.2021



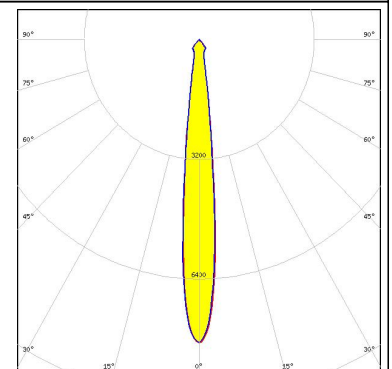
#### CITIZEN

LED CLL03x/CLU03x  
 FWHM 14.0°  
 Efficiency 85 %  
 Peak intensity 5.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 A.A.G. STUCCHI: 8101/G2



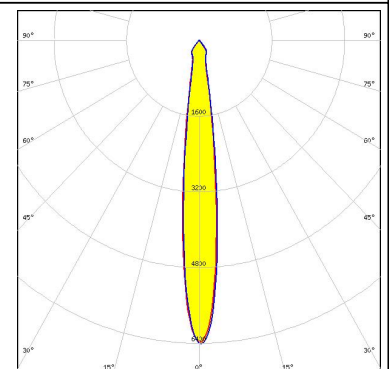
#### CITIZEN

LED CLL03x/CLU03x  
 FWHM 12.0°  
 Efficiency 90 %  
 Peak intensity 8.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 A.A.G. STUCCHI: 8101/G2



#### CITIZEN

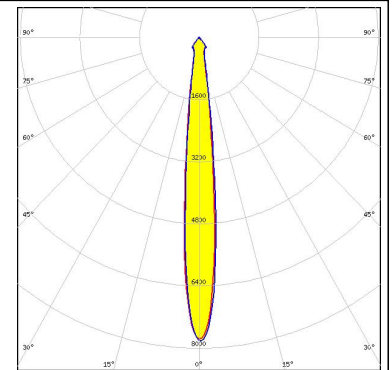
LED CLL03x/CLU03x  
 FWHM 13.0°  
 Efficiency 88 %  
 Peak intensity 6.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15412\_ANGELETTE-DL  
 BJB: 47.319.2021



#### PHOTOMETRIC DATA (MEASURED):

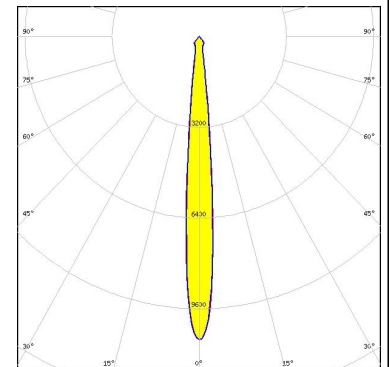
#### CITIZEN

LED CLL03x/CLU03x  
 FWHM 12.0°  
 Efficiency 88 %  
 Peak intensity 7.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15176\_ANGELETTE-LENS  
 BJB: 47.319.2021



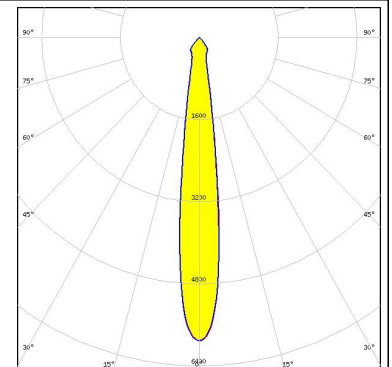
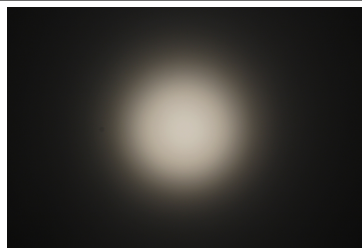
#### CREE

LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM 10.0°  
 Efficiency 91 %  
 Peak intensity 10.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 A.A.G. STUCCHI: 8403/G2



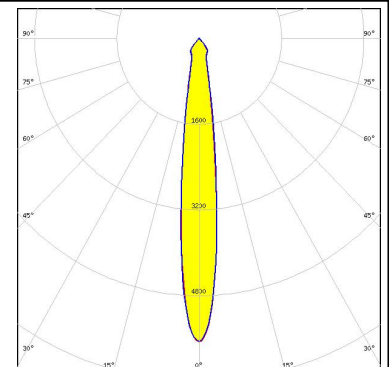
#### CREE

LED CXA/B 25xx  
 FWHM 14.0°  
 Efficiency 90 %  
 Peak intensity 5.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 A.A.G. STUCCHI: 8401/G2



#### LUMILEDS

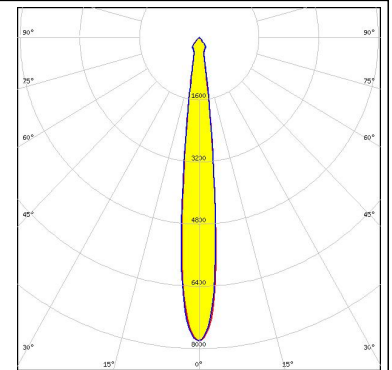
LED LUXEON CoB 1208  
 FWHM 14.0°  
 Efficiency 87 %  
 Peak intensity 5.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 A.A.G. STUCCHI: 8301/G2



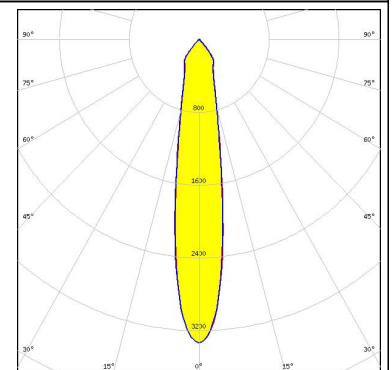
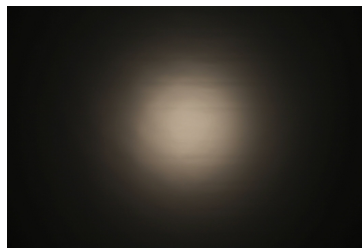
#### PHOTOMETRIC DATA (MEASURED):



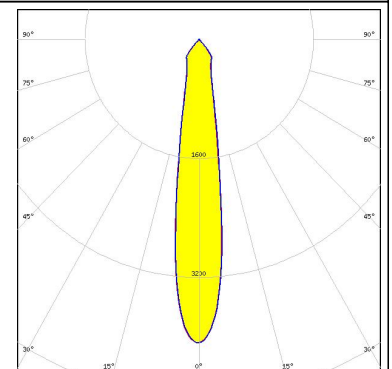
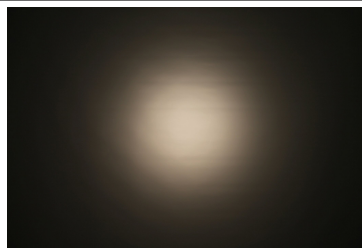
**LED** LUXEON CoB 1208  
**FWHM** 12.0°  
**Efficiency** 91 %  
**Peak intensity** 7.800 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 A.A.G. STUCCHI: 8301/G2



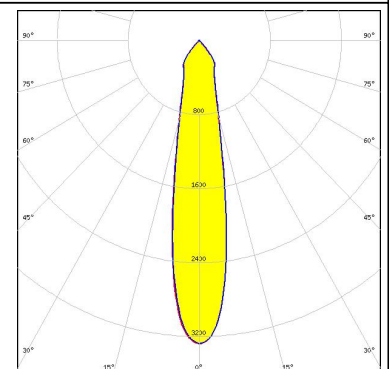
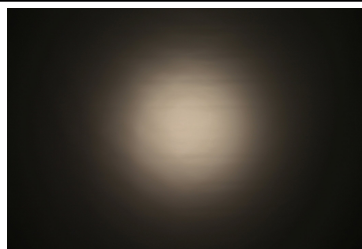
**LED** Fortimo SLM L19 CoB  
**FWHM** 18.0°  
**Efficiency** 86 %  
**Peak intensity** 3.400 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F13671\_ANGE-RZ-LENS  
 BJB: 47.319.2030



**LED** Fortimo SLM L19 CoB  
**FWHM** 17.0°  
**Efficiency** 90 %  
**Peak intensity** 4.100 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 BJB: 47.319.2030



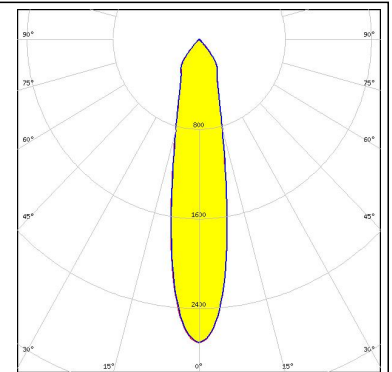
**LED** Fortimo SLM L23 CoB  
**FWHM** 20.0°  
**Efficiency** 90 %  
**Peak intensity** 3.300 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 BJB: 47.319.2030



#### PHOTOMETRIC DATA (MEASURED):

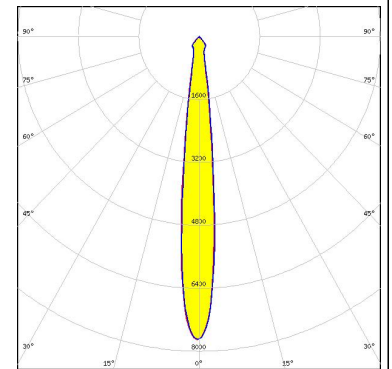
#### PHILIPS

LED Fortimo SLM L23 CoB  
 FWHM 22.0°  
 Efficiency 85 %  
 Peak intensity 2.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 BJB: 47.319.2030



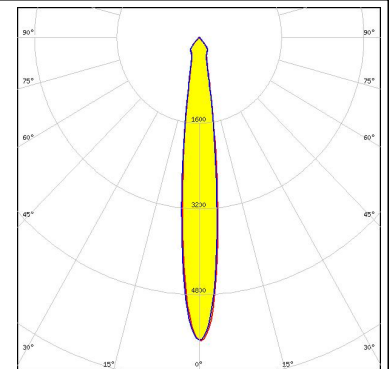
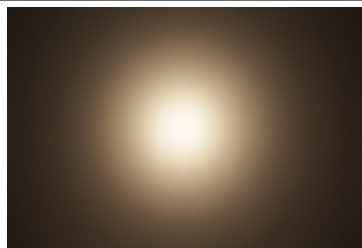
#### SAMSUNG

LED COB D Series LES 14.5 mm  
 FWHM 12.0°  
 Efficiency 91 %  
 Peak intensity 7.720 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 A.A.G. STUCCHI: 8101/G2



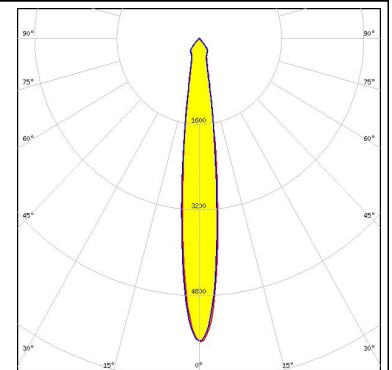
#### SAMSUNG

LED COB D Series LES 14.5 mm  
 FWHM 14.0°  
 Efficiency 88 %  
 Peak intensity 5.670 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 BJB: 47.319.2021



#### SAMSUNG

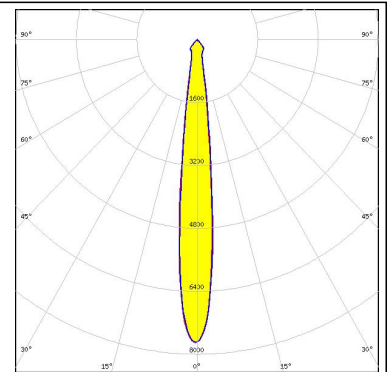
LED COB D Series LES 14.5 mm  
 FWHM 14.0°  
 Efficiency 88 %  
 Peak intensity 5.670 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 A.A.G. STUCCHI: 8101/G2



#### PHOTOMETRIC DATA (MEASURED):

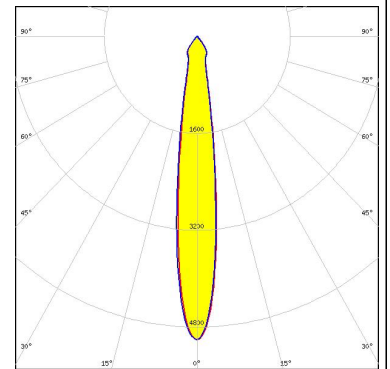
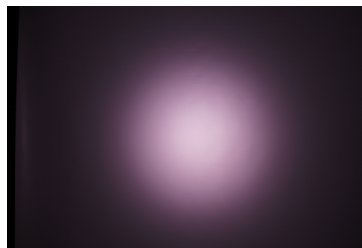
#### SAMSUNG

LED COB D Series LES 14.5 mm  
 FWHM 12.0°  
 Efficiency 91 %  
 Peak intensity 7.720 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.319.2021



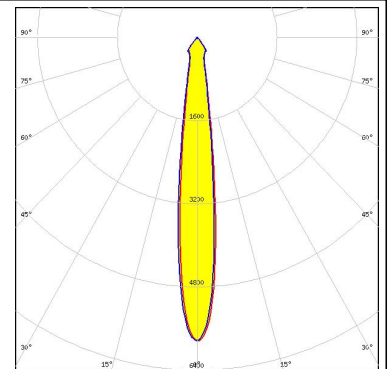
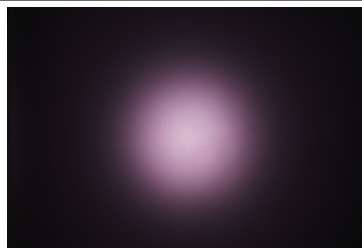
#### TRIDONIC

LED SLE G6 LES19 H  
 FWHM 15.0°  
 Efficiency 86 %  
 Peak intensity 5.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15412\_ANGELETTE-DL



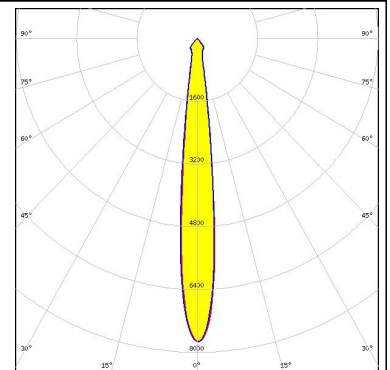
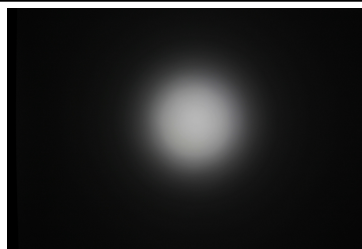
#### TRIDONIC

LED SLE G6 LES19 H  
 FWHM 14.0°  
 Efficiency 86 %  
 Peak intensity 5.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15176\_ANGELETTE-LENS



#### TRIDONIC

LED SLE G7 LES15  
 FWHM 12.0°  
 Efficiency 91 %  
 Peak intensity 7.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.319.2021

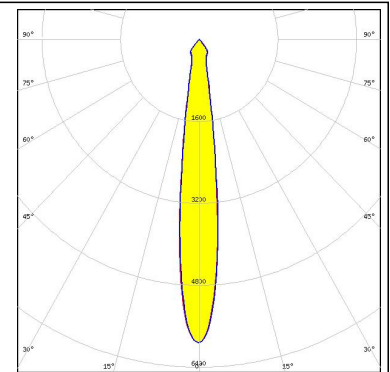




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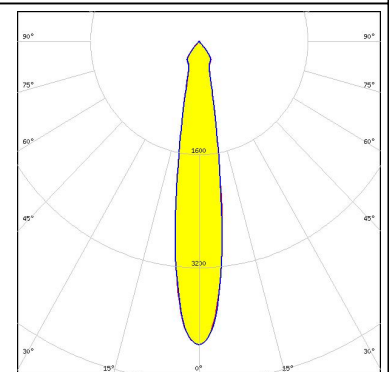
#### TRIDONIC

LED SLE G7 LES17 H  
FWHM 14.0°  
Efficiency 89 %  
Peak intensity 5.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### TRIDONIC

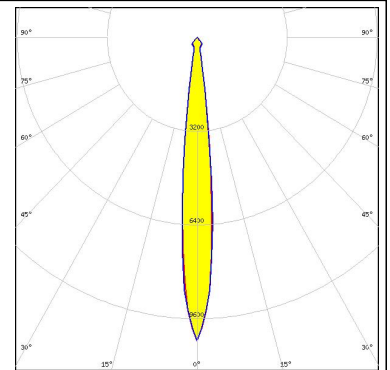
LED SLE G7 LES21 H  
FWHM 18.0°  
Efficiency 89 %  
Peak intensity 4.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

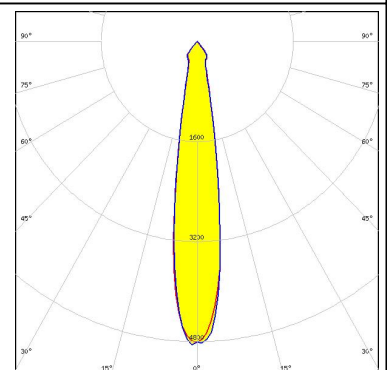
#### CITIZEN

LED CLL03x/CLU03x  
FWHM 12.0°  
Efficiency 90 %  
Peak intensity 10.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
BJB: 47.319.2021



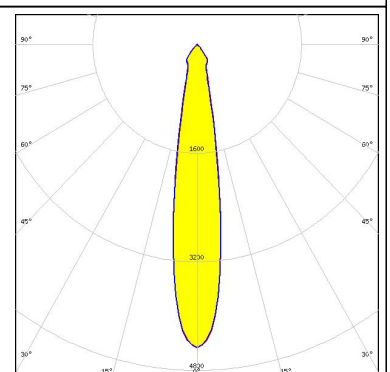
#### CITIZEN

LED CLL04x/CLU04x  
FWHM 17.0°  
Efficiency 89 %  
Peak intensity 4.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
BJB: 47.319.2030



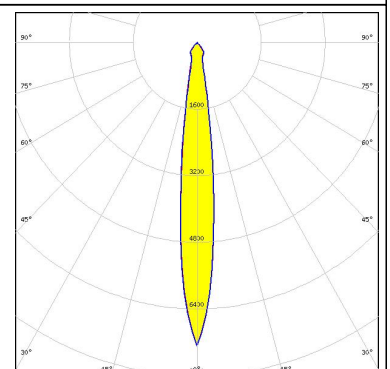
#### SAMSUNG

LED COB D Series LES 22 mm  
FWHM 18.0°  
Efficiency 88 %  
Peak intensity 4.470 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
BJB: 47.319.2030



#### TRIDONIC

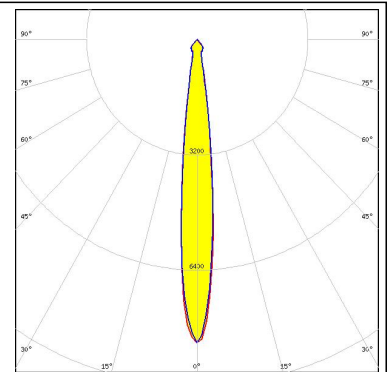
LED SLE G6 LES15 H D50  
FWHM 13.0°  
Efficiency 90 %  
Peak intensity 7.290 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

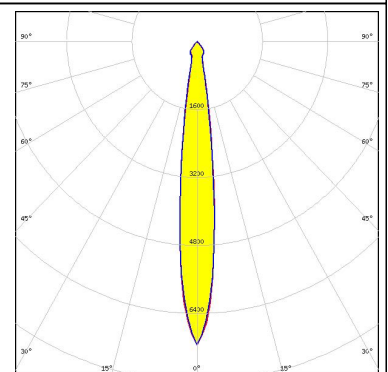
#### TRIDONIC

LED SLE G6 LES17 H  
FWHM 12.0°  
Efficiency 89 %  
Peak intensity 8.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



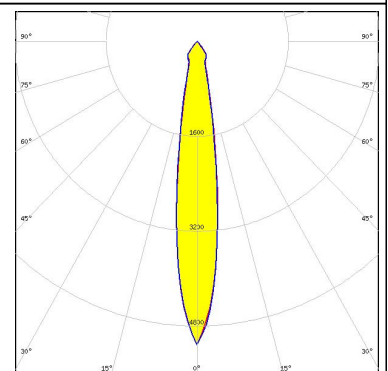
#### TRIDONIC

LED SLE G6 LES19 H  
FWHM 13.0°  
Efficiency 90 %  
Peak intensity 7.140 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### TRIDONIC

LED SLE G6 LES23 H  
FWHM 16.0°  
Efficiency 89 %  
Peak intensity 5.120 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### 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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LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

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#### LEDiL Oy

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FI-24240 SALO  
Finland

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Sycamore IL 60178  
USA

#### Local sales and technical support

[www.ledil.com/where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/where\\_to\\_buy](http://www.ledil.com/where_to_buy)