

## ANGELETTE-S-B

~10° spot beam compatible with BJB connectors

### TECHNICAL SPECIFICATIONS:

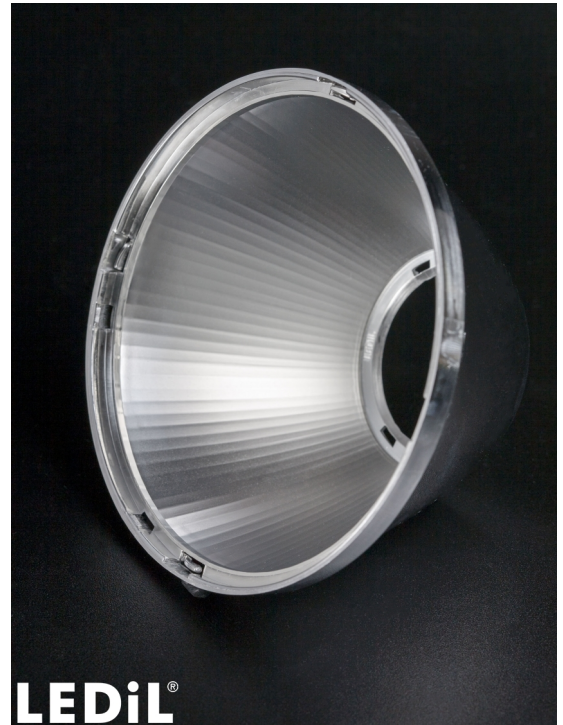
Dimensions	Ø 110.0 mm
Height	57.3 mm
Fastening	socket
ROHS compliant	yes ⓘ

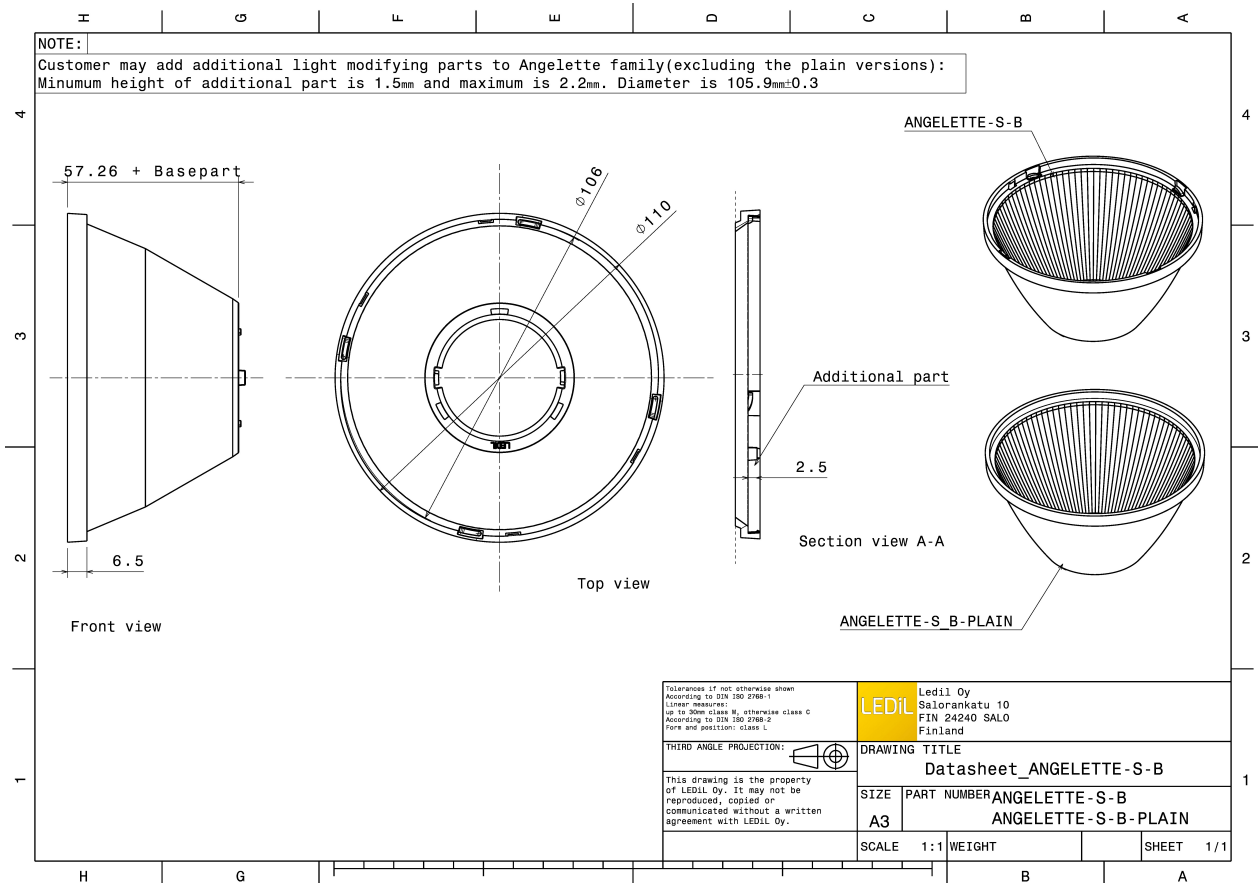
### MATERIAL SPECIFICATIONS:

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

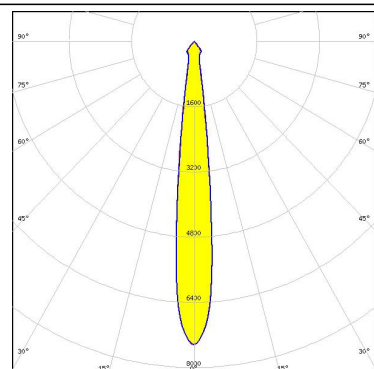




#### PHOTOMETRIC DATA (MEASURED):

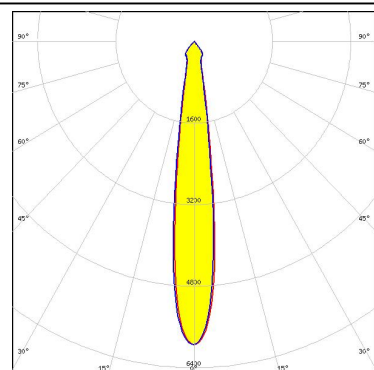
bridgelux.

LED V15 Gen6  
FWHM 13.0°  
Efficiency 91 %  
Peak intensity 7.4 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:  
BJB: 47.319.2224



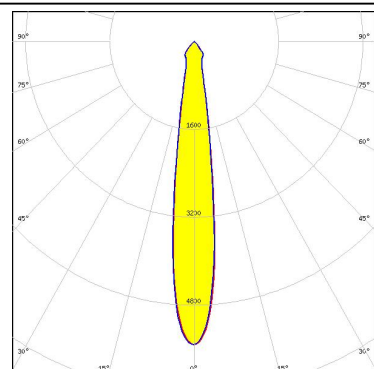
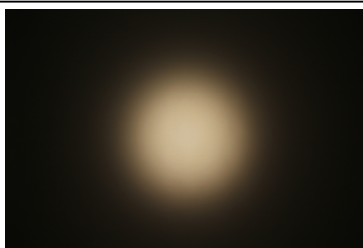
bridgelux.

LED V18 Gen6  
FWHM 15.0°  
Efficiency 91 %  
Peak intensity 6 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:  
BJB: 47.319.2274



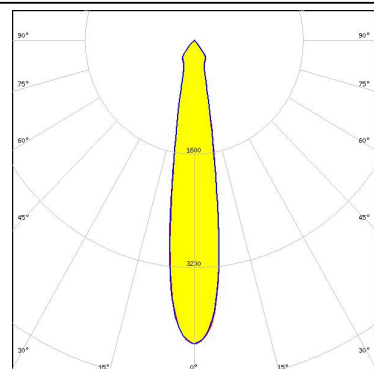
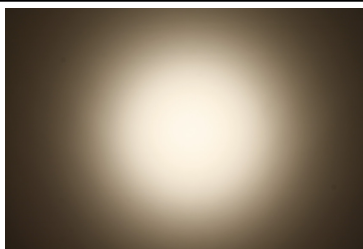
bridgelux.

LED V18 Gen7  
FWHM 15.0°  
Efficiency 91 %  
Peak intensity 5.5 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:  
BJB: 47.319.2350



bridgelux.

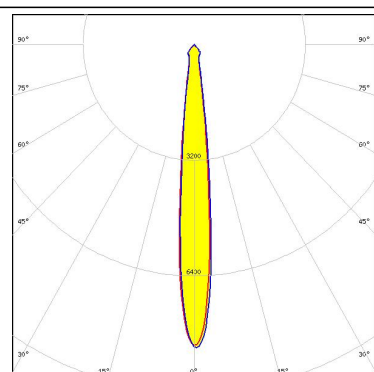
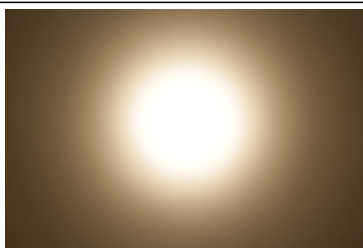
LED V22 Gen6  
FWHM 18.0°  
Efficiency 89 %  
Peak intensity 4.3 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:  
A.A.G. STUCCHI: 8102/G2



#### PHOTOMETRIC DATA (MEASURED):

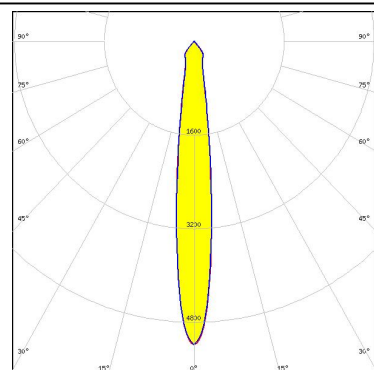
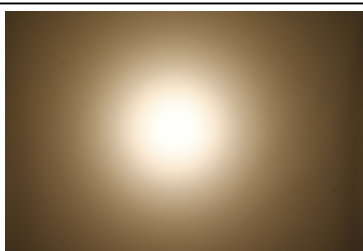
#### CITIZEN

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



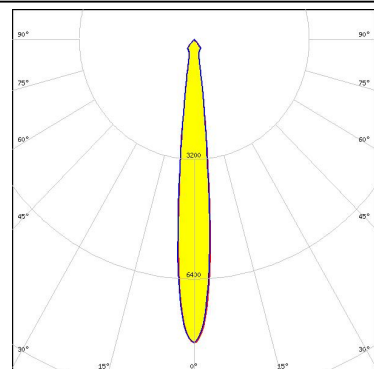
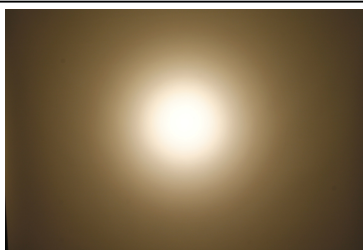
#### CITIZEN

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



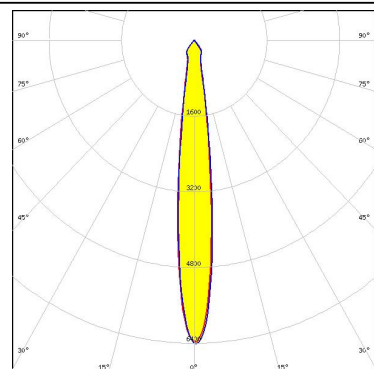
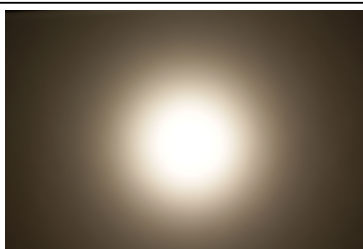
#### CITIZEN

LED CLL03x/CLU03x  
FWHM 12.0°  
Efficiency 90 %  
Peak intensity 8.1 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 6.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15412\_ANGELETTE-DL  
BJB: 47.319.2021

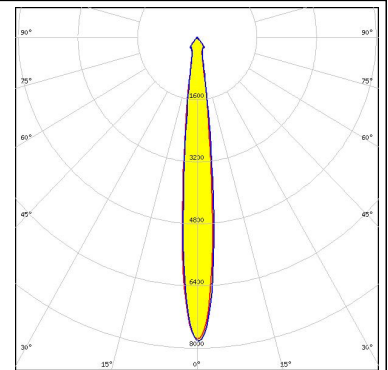




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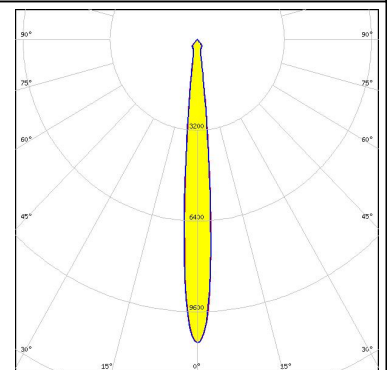
#### CITIZEN

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



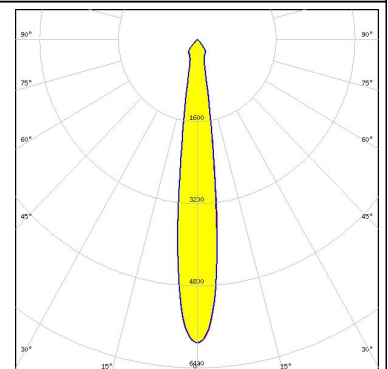
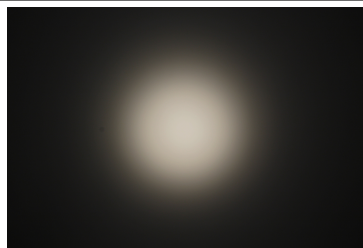
#### CREE

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



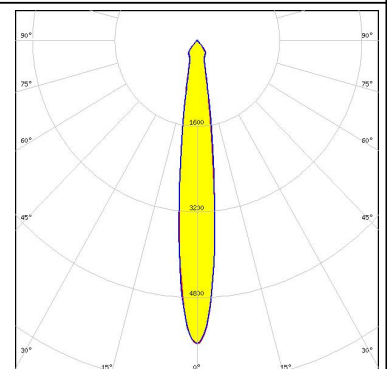
#### CREE

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



#### LUMILEDS

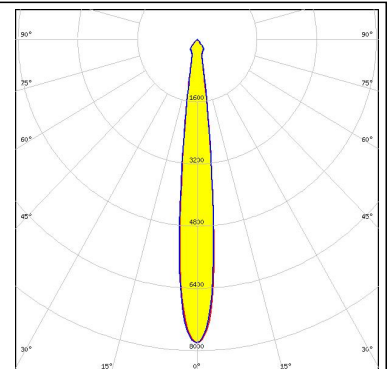
LED LUXEON CoB 1208  
FWHM 14.0°  
Efficiency 87 %  
Peak intensity 5.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F13671\_ANGE-RZ-LENS  
A.A.G. STUCCHI: 8301/G2



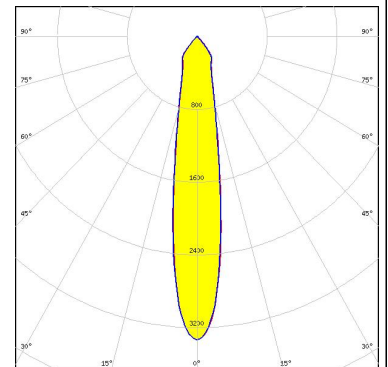
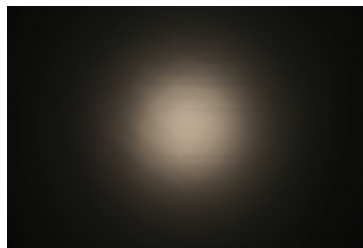
#### PHOTOMETRIC DATA (MEASURED):



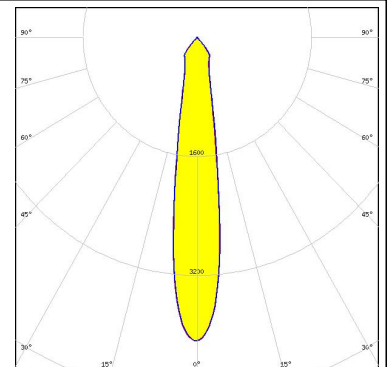
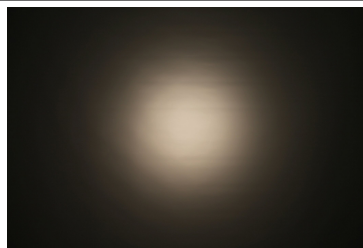
LED LUXEON CoB 1208  
 FWHM 12.0°  
 Efficiency 91 %  
 Peak intensity 7.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 A.A.G. STUCCHI: 8301/G2



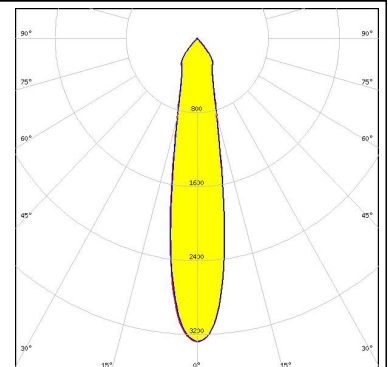
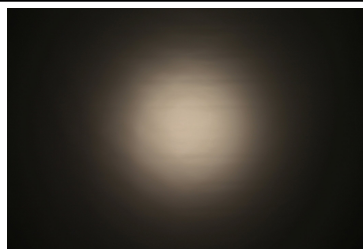
LED Fortimo SLM L19 CoB  
 FWHM 18.0°  
 Efficiency 86 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 BJB: 47.319.2030



LED Fortimo SLM L19 CoB  
 FWHM 17.0°  
 Efficiency 90 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.319.2030



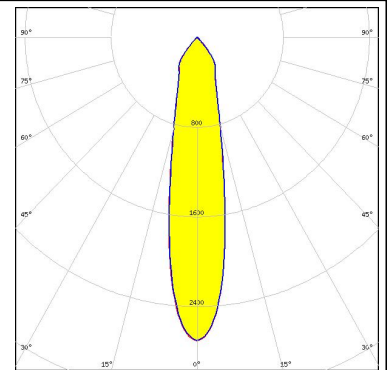
LED Fortimo SLM L23 CoB  
 FWHM 20.0°  
 Efficiency 90 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.319.2030



#### PHOTOMETRIC DATA (MEASURED):

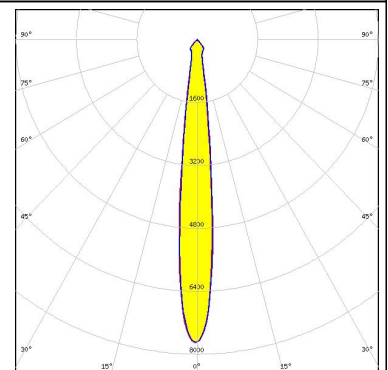
#### PHILIPS

LED Fortimo SLM L23 CoB  
 FWHM 22.0°  
 Efficiency 85 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 BJB: 47.319.2030



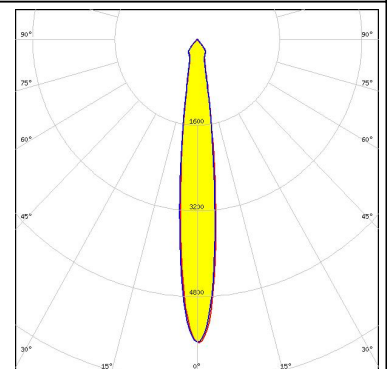
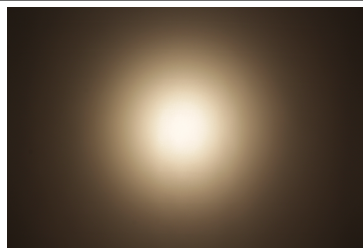
#### SAMSUNG

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



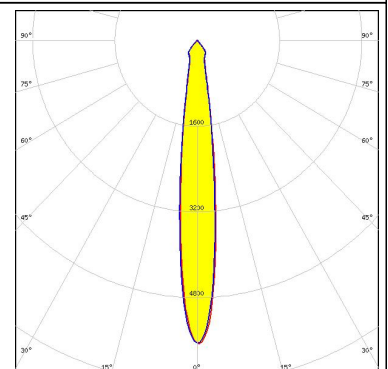
#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 FWHM 14.0°  
 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

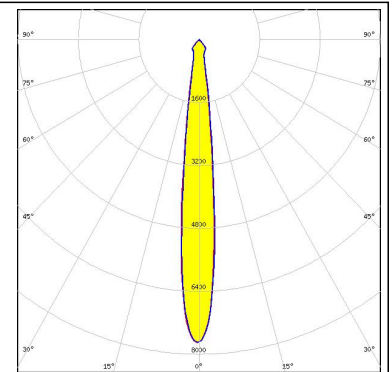
LED LC016D / LC019D / LC026D / LC033D  
 FWHM 14.0°  
 Efficiency 88 %  
 Peak intensity 5.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 A.A.G. STUCCHI: 8101/G2



#### PHOTOMETRIC DATA (MEASURED):

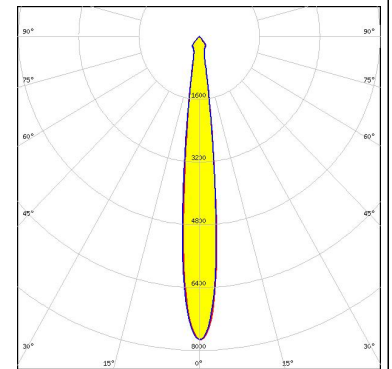
#### SAMSUNG

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



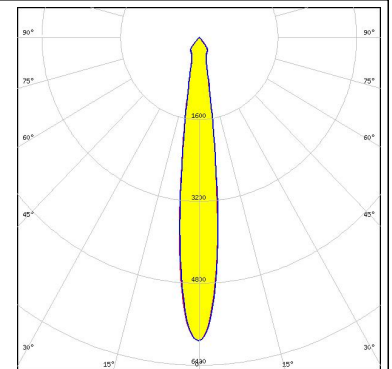
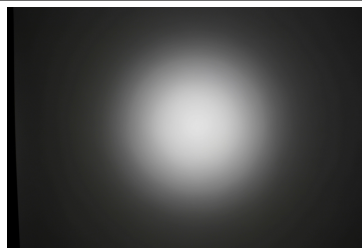
#### TRIDONIC

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



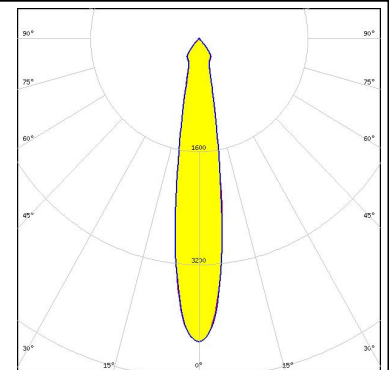
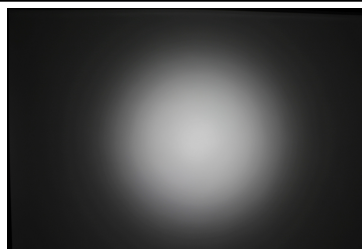
#### TRIDONIC

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



#### TRIDONIC

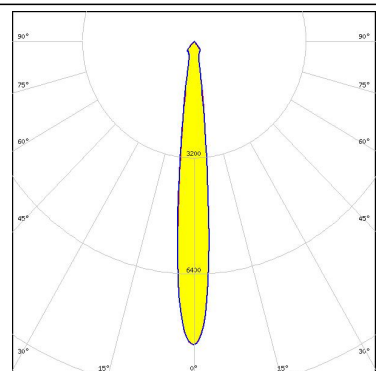
LED SLE G7 LES21 H  
 FWHM 18.0°  
 Efficiency 89 %  
 Peak intensity 4.3 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

#### XICATO

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

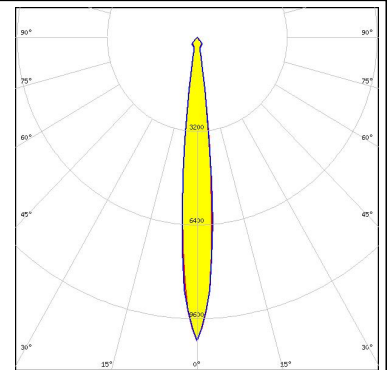




#### PHOTOMETRIC DATA (SIMULATED):

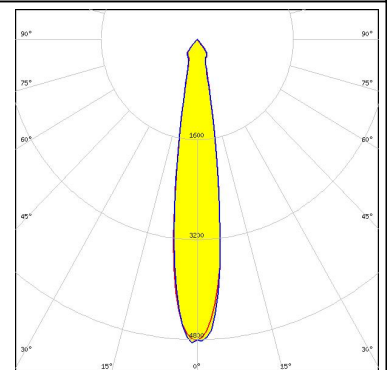
#### CITIZEN

LED CLL03x/CLU03x  
 FWHM 12.0°  
 Efficiency 90 %  
 Peak intensity 10.4 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 4.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.319.2030



#### LUMILEDS

LED LUXEON CoB 1208  
 FWHM 12.0°  
 Efficiency 87 %  
 Peak intensity 8.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 A.A.G. STUCCHI: 8301/G2

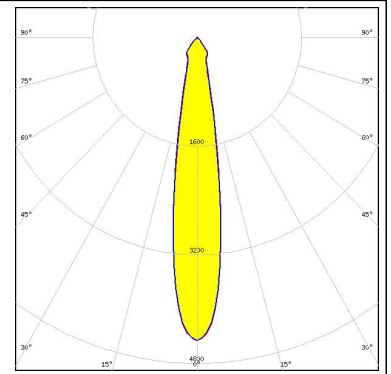
#### LUMILEDS

LED LUXEON CoB 1208  
 FWHM 12.0°  
 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

### PHOTOMETRIC DATA (SIMULATED):

#### SAMSUNG

LED	LC040D / LC060D / LC080D
FWHM	18.0°
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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#### LEDiL Oy

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#### LEDiL Inc.

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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)