

ANGELA-XW-B

White version with ~70° wide beam compatible with BJB connectors

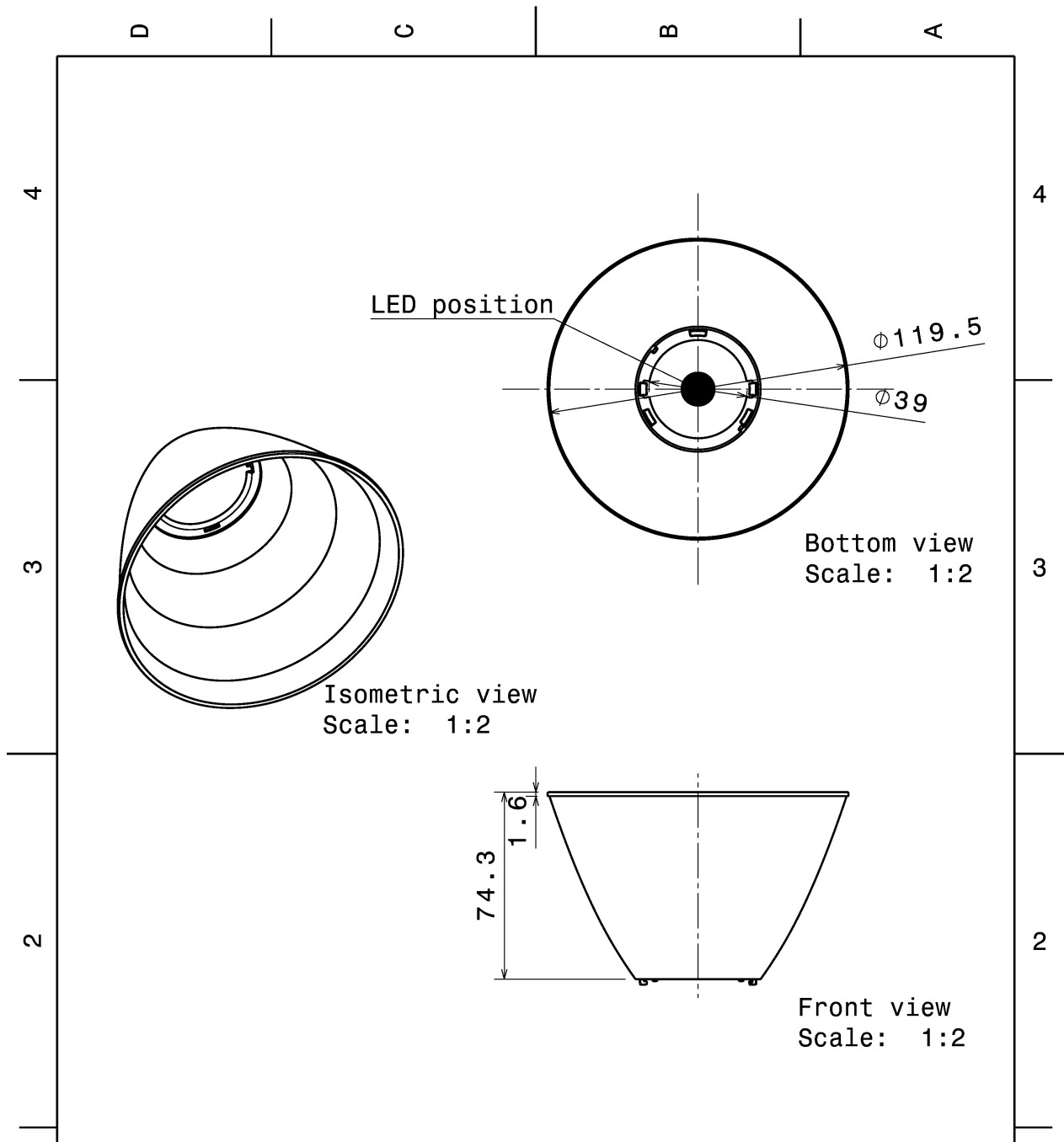
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 119.5 mm
Height	74.5 mm
Fastening	socket
Colour	white
Box size	480 x 280 x 300 mm
Box weight	7.7 kg
Quantity in Box	160 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Coating
ANGELA-XW-B	Reflector	HRPC	white	

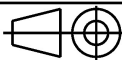


Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

Angela-B

This drawing is the property
of LEDiL Oy. It may not be
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communicated without a written
agreement with LEDiL Oy."

SIZE PART NUMBER

A4

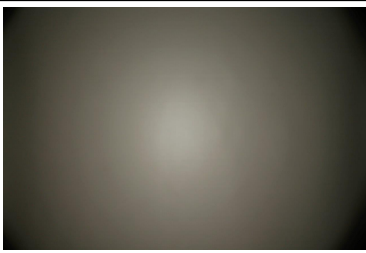
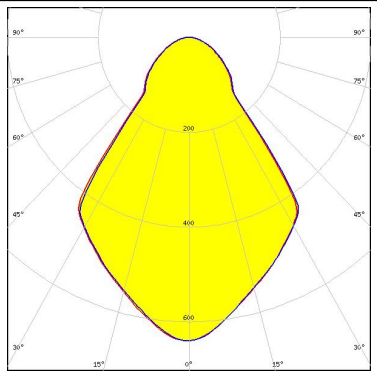
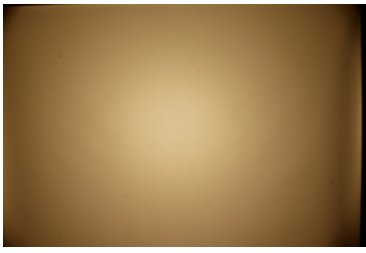
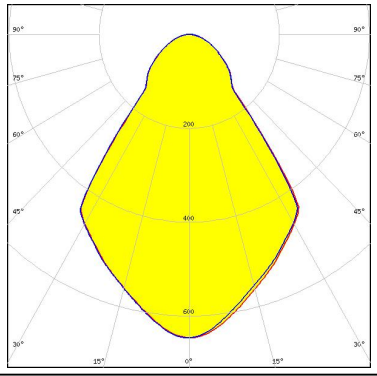
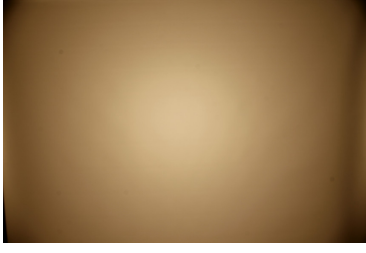
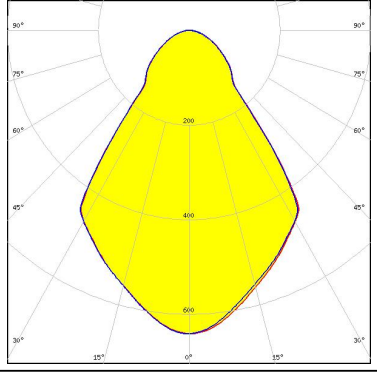
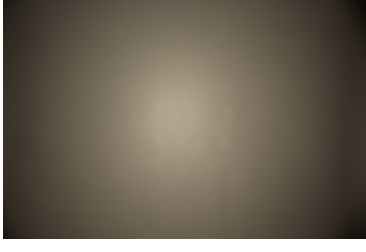
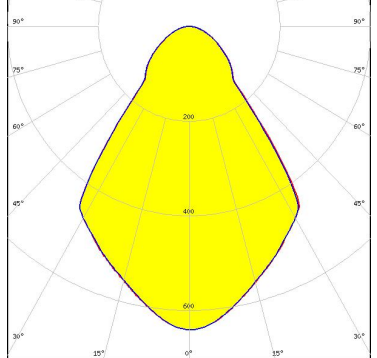
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SCALE 1:2 WEIGHT


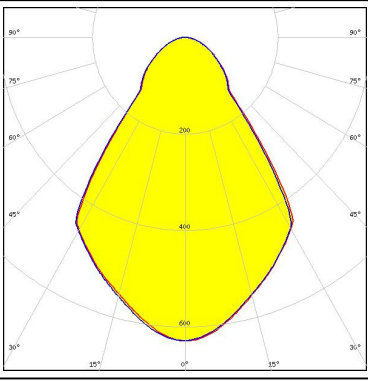

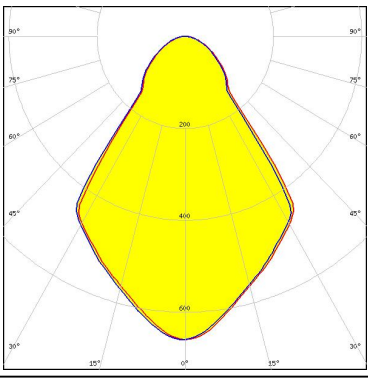
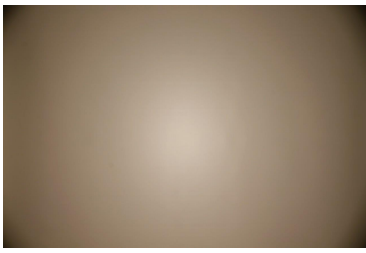
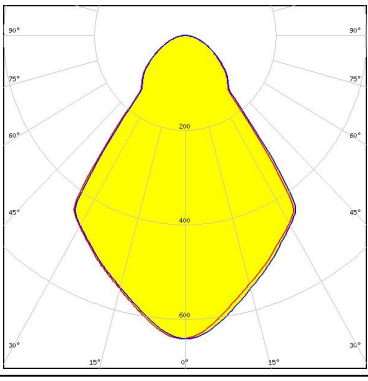

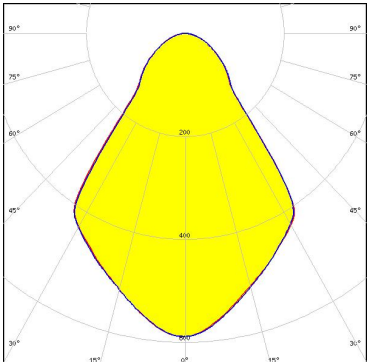
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SHEET 1/1

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED BXRA ES Rectangle</p> <p>FWHM 73.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.640 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: BJB: 47.319.2040</p>		
<p>bridgelux.</p> <p>LED V15 Gen6</p> <p>FWHM 72.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.650 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 72.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.640 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 72.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.640 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: BJB: 47.319.2350</p>		

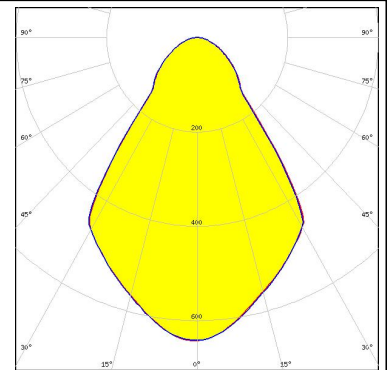
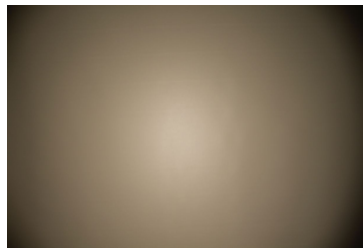
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux</p> <p>LED V22 Gen6 FWHM 71.0° Efficiency 92 % Peak intensity 0.630 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8102/G2</p>		
<p>CITIZEN</p> <p>LED CLL03x/CLU03x FWHM 72.0° Efficiency 94 % Peak intensity 0.660 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2021</p>		
<p>CITIZEN</p> <p>LED CLL03x/CLU03x FWHM 72.0° Efficiency 94 % Peak intensity 0.640 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8101/G2</p>		
<p>CITIZEN</p> <p>LED CLL03x/CLU03x FWHM 73.0° Efficiency 88 % Peak intensity 0.590 cd/lm LEDs/each optic 1 Light colour White Required components: F13671_ANGLE-RZ-LENS A.A.G. STUCCHI: 8101/G2</p>		

PHOTOMETRIC DATA (MEASURED):

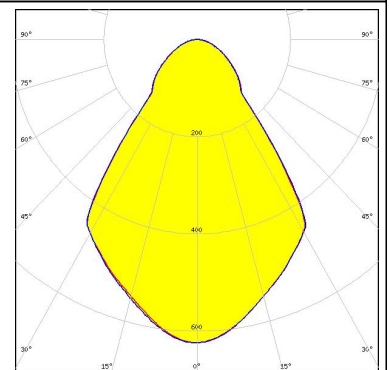
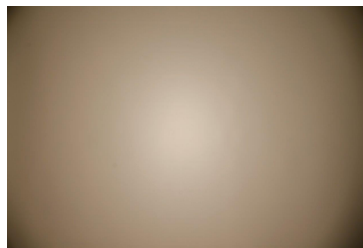
CITIZEN

LED CLL04x/CLU04x
FWHM 71.0°
Efficiency 93 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030



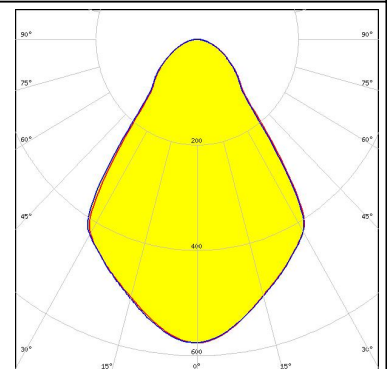
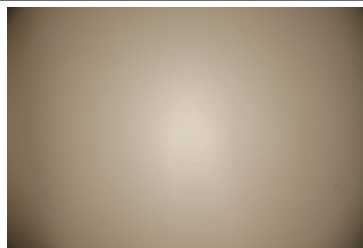
CITIZEN

LED CLL04x/CLU04x
FWHM 72.0°
Efficiency 93 %
Peak intensity 0.620 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8102/G2



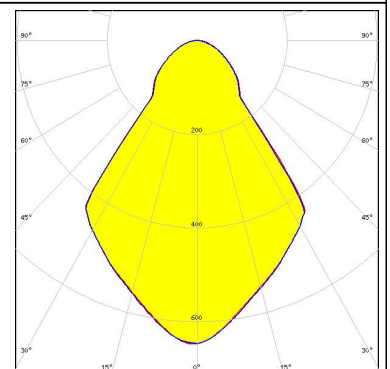
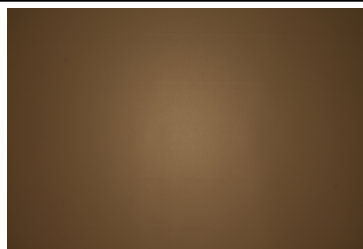
CITIZEN

LED CLL04x/CLU04x
FWHM 72.0°
Efficiency 85 %
Peak intensity 0.580 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGLE-RZ-LENS
A.A.G. STUCCHI: 8102/G2



CITIZEN

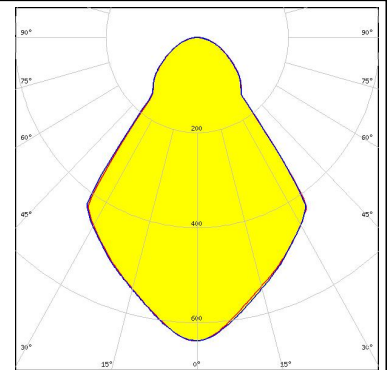
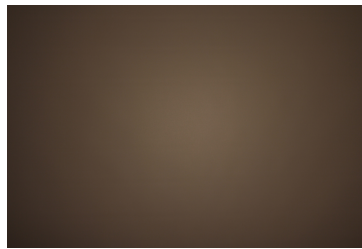
LED CLU720/721
FWHM 73.0°
Efficiency 94 %
Peak intensity 0.650 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021



PHOTOMETRIC DATA (MEASURED):

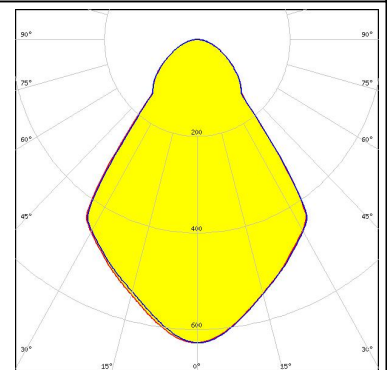
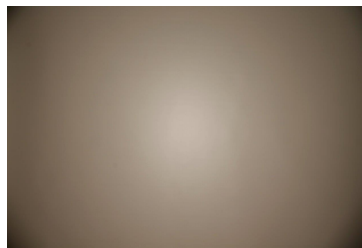
CITIZEN

LED CLU720/721
 FWHM 72.0°
 Efficiency 94 %
 Peak intensity 0.640 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8101/G2



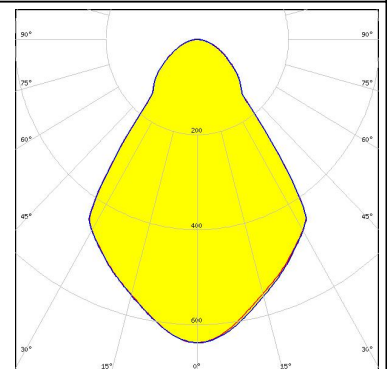
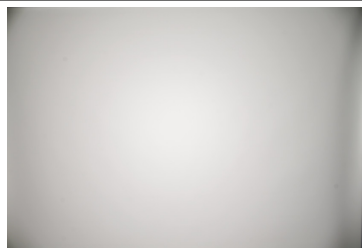
CREE

LED CXA/B 25xx
 FWHM 73.0°
 Efficiency 93 %
 Peak intensity 0.630 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8401/G2



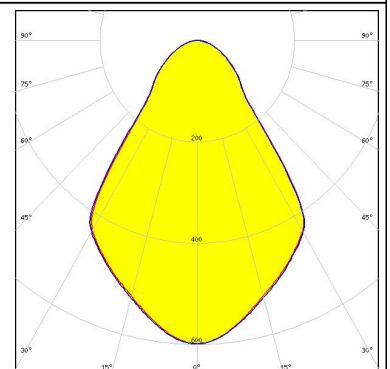
CREE

LED CXA/B 25xx
 FWHM 72.0°
 Efficiency 93 %
 Peak intensity 0.640 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.319.2141



CREE

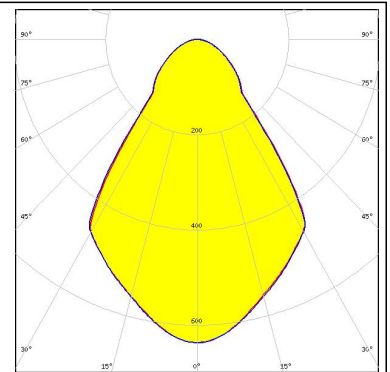
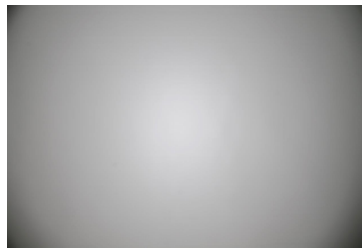
LED CXA/B 25xx
 FWHM 72.0°
 Efficiency 89 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGLE-RZ-LENS
 BJB: 47.319.2141



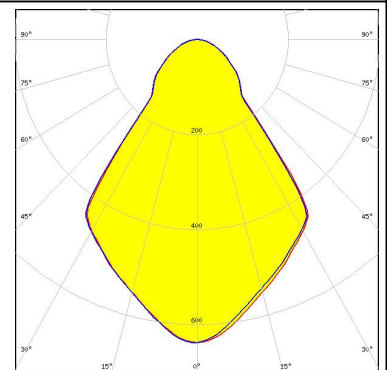
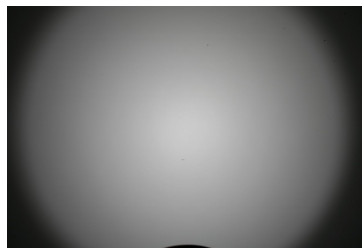
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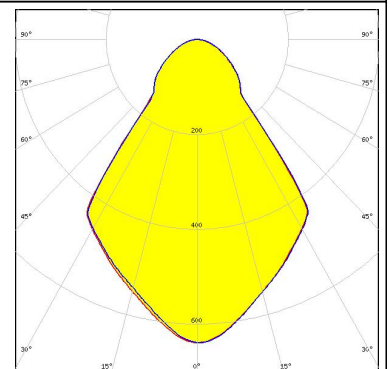
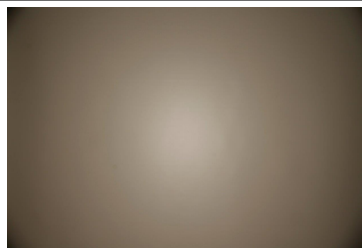
LED CXA/B 30xx
 FWHM 71.0°
 Efficiency 92 %
 Peak intensity 0.640 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8404/G2



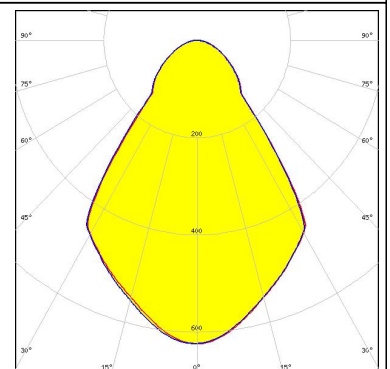
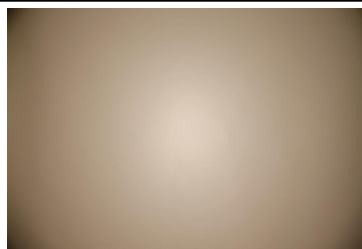
LED COB 10W/13W/17W/24W
 FWHM 73.0°
 Efficiency 94 %
 Peak intensity 0.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.319.2080



LED COB 10W/13W/17W/24W
 FWHM 73.0°
 Efficiency 94 %
 Peak intensity 0.640 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8600/G2



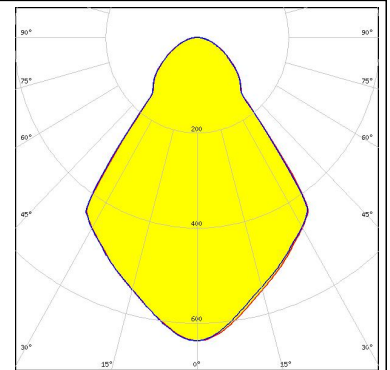
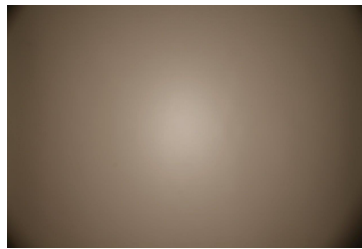
LED COB 40W/60W
 FWHM 72.0°
 Efficiency 92 %
 Peak intensity 0.620 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8102/G2



PHOTOMETRIC DATA (MEASURED):

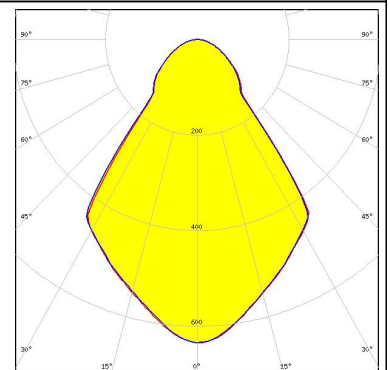
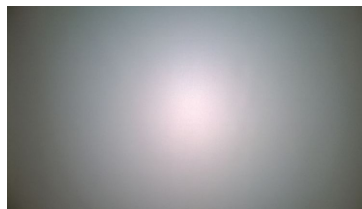
LUMILEDS

LED LUXEON CoB 1204/1205
 FWHM 73.0°
 Efficiency 94 %
 Peak intensity 0.640 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8301/G2



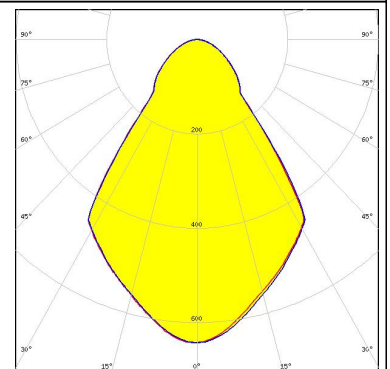
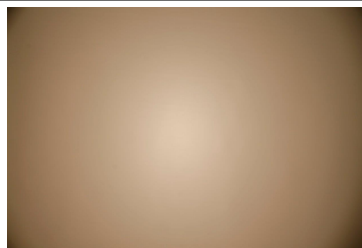
LUMILEDS

LED LUXEON CoB 1208
 FWHM 73.0°
 Efficiency 94 %
 Peak intensity 0.630 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8301/G2



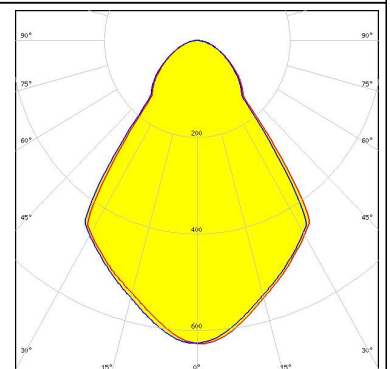
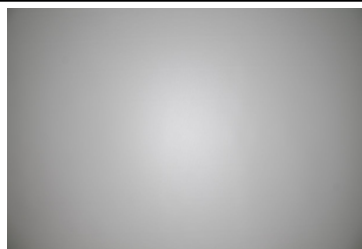
LUMILEDS

LED LUXEON CoB 1211
 FWHM 71.0°
 Efficiency 93 %
 Peak intensity 0.640 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8102/G2


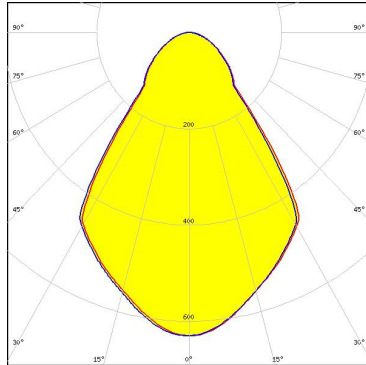

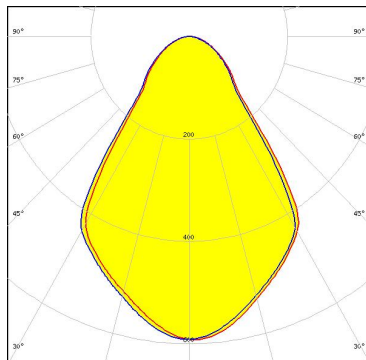

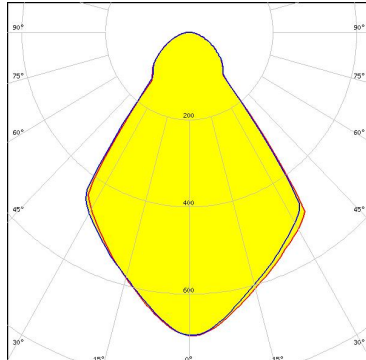
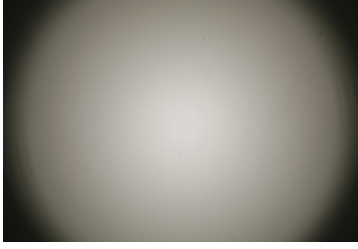
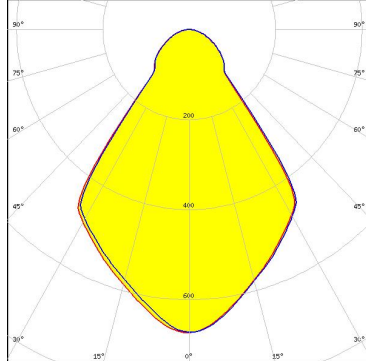


LUMILEDS

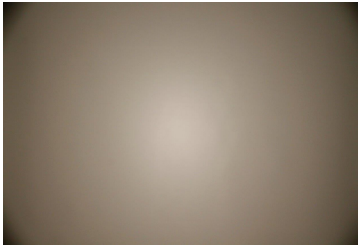
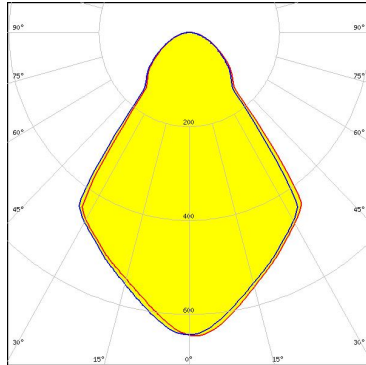
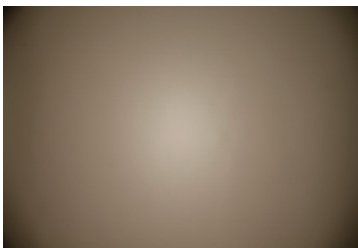
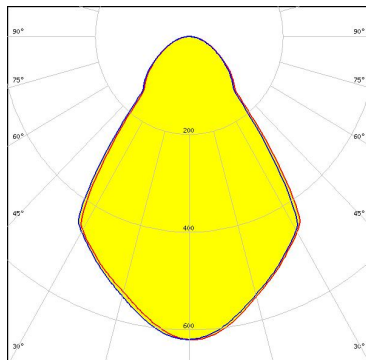
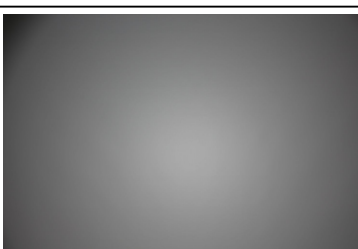
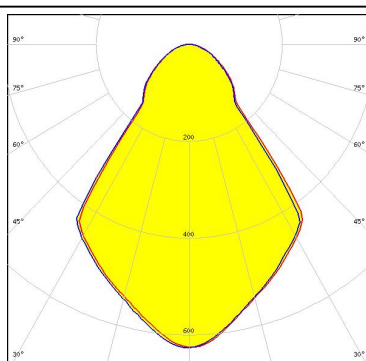
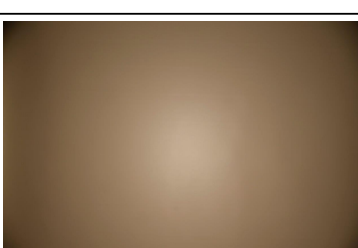
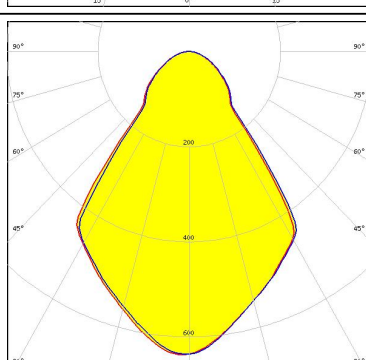
LED LUXEON CoB 1211
 FWHM 72.0°
 Efficiency 93 %
 Peak intensity 0.630 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.319.2030



PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1216/1812 FWHM 72.0° Efficiency 93 % Peak intensity 0.630 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2030</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1216/1812 FWHM 71.0° Efficiency 88 % Peak intensity 0.590 cd/lm LEDs/each optic 1 Light colour White Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2030</p>		
<p>LUMILEDS</p> <p>LED LUXEON K12 FWHM 72.0° Efficiency 94 % Peak intensity 0.700 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2070</p>		
<p>LUMILEDS</p> <p>LED LUXEON K16 FWHM 72.0° Efficiency 94 % Peak intensity 0.700 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2070</p>		

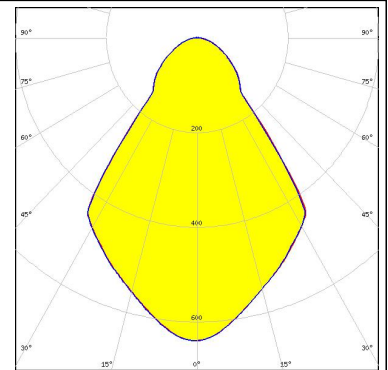
PHOTOMETRIC DATA (MEASURED):

<p>LUMINUS</p> <p>LED CxM-14 (19x19) FWHM 72.0° Efficiency 94 % Peak intensity 0.640 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2021</p>		
<p>LUMINUS</p> <p>LED CxM-22 (28x28) FWHM 72.0° Efficiency 93 % Peak intensity 0.600 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2030</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Soleriq S13 19x19 FWHM 73.0° Efficiency 93 % Peak intensity 0.630 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2021</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Soleriq S19 FWHM 72.0° Efficiency 93 % Peak intensity 0.640 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8503/G2</p>		

PHOTOMETRIC DATA (MEASURED):

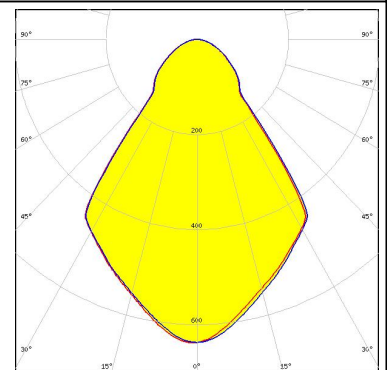
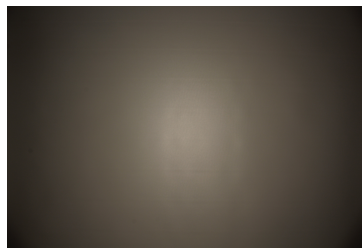
OSRAM
Opto Semiconductors

LED Soleriq S19
FWHM 72.0°
Efficiency 94 %
Peak intensity 0.640 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2170



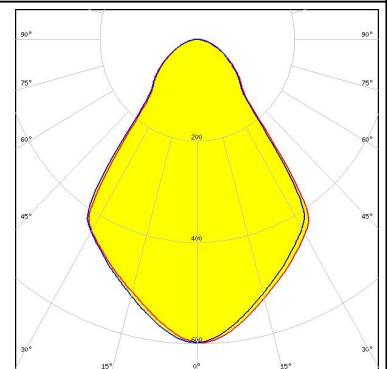
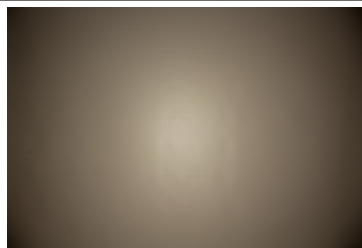
SAMSUNG

LED COB D Series LES 14.5 mm
FWHM 73.0°
Efficiency 93 %
Peak intensity 0.640 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8101/G2



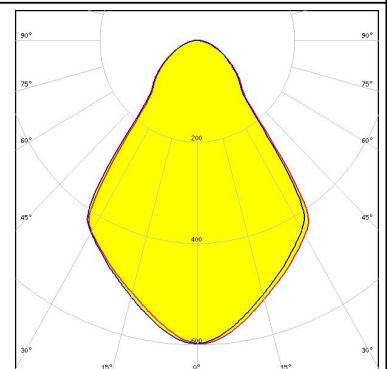
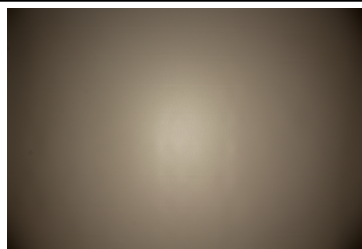
SAMSUNG

LED COB D Series LES 14.5 mm
FWHM 73.0°
Efficiency 89 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGLE-RZ-LENS
BJB: 47.319.2021


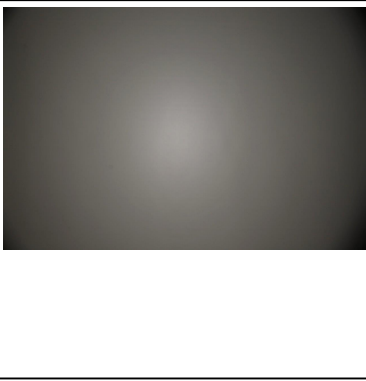
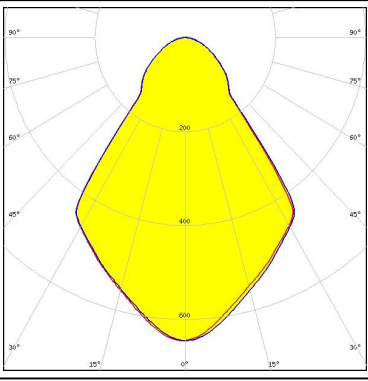

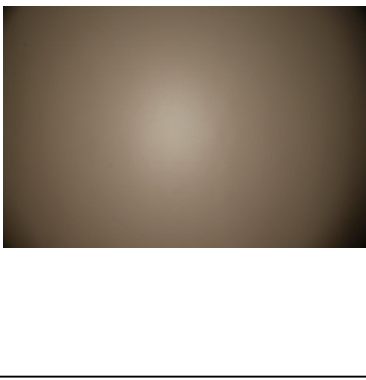
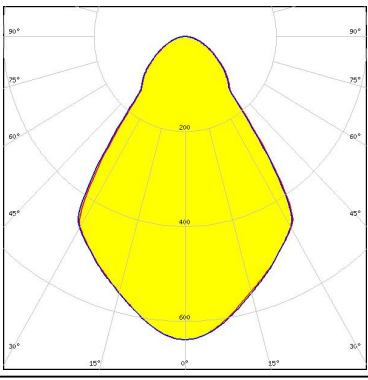
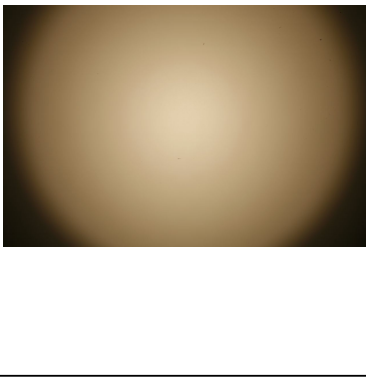
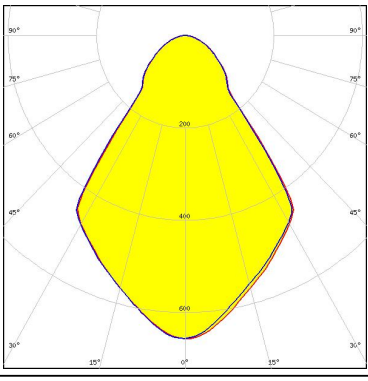
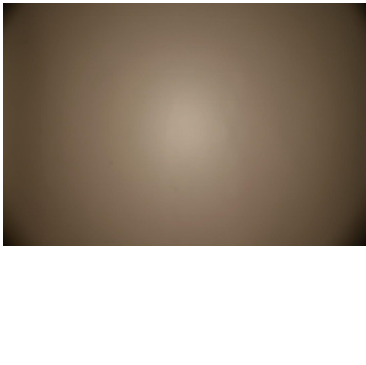
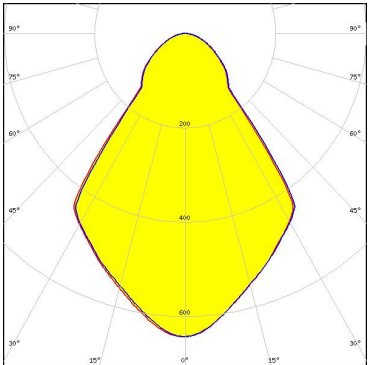


SAMSUNG

LED COB D Series LES 14.5 mm
FWHM 73.0°
Efficiency 89 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGLE-RZ-LENS
A.A.G. STUCCHI: 8101/G2



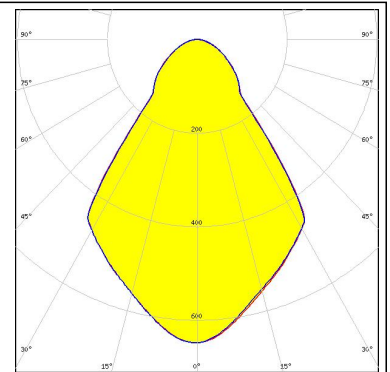
PHOTOMETRIC DATA (MEASURED):

<p> SEUL SEMICONDUCTOR</p> <p>LED ZC12/18 FWHM 72.0° Efficiency 93 % Peak intensity 0.660 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8101/G2</p>		
<p> SEUL SEMICONDUCTOR</p> <p>LED ZC25/40/60 FWHM 71.0° Efficiency 93 % Peak intensity 0.640 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8102/G2</p>		
<p>SHARP</p> <p>LED Mega Zenigata (GW6DME) FWHM 72.0° Efficiency 94 % Peak intensity 0.700 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2011</p>		
<p>SHARP</p> <p>LED Mega Zenigata (GW6DME) FWHM 73.0° Efficiency 94 % Peak intensity 0.640 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8301/G2</p>		

PHOTOMETRIC DATA (MEASURED):

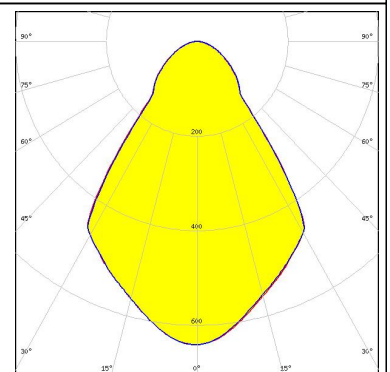
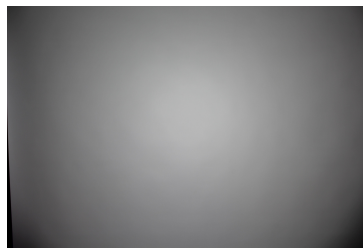
TRIDONIC

LED SLE G7 LES17 H
FWHM 71.0°
Efficiency 93 %
Peak intensity 0.650 cd/lm
LEDs/each optic 1
Light colour White
Required components:



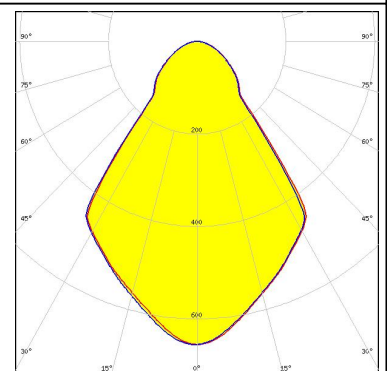
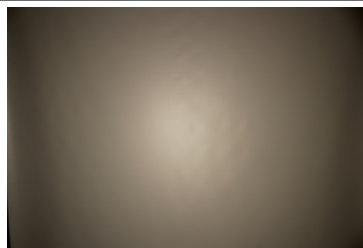
TRIDONIC

LED SLE G7 LES21 H
FWHM 71.0°
Efficiency 93 %
Peak intensity 0.640 cd/lm
LEDs/each optic 1
Light colour White
Required components:



XICATO

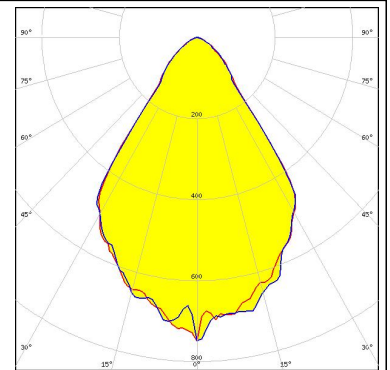
LED XOB 14.5 mm
FWHM 72.0°
Efficiency 94 %
Peak intensity 0.656 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021



PHOTOMETRIC DATA (SIMULATED):

CITIZEN

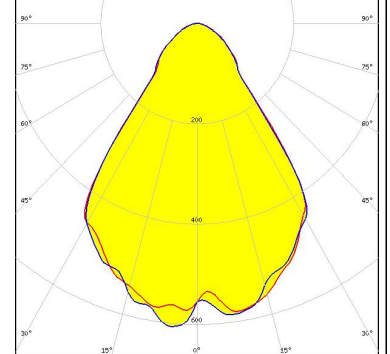
LED CLU730/731
FWHM 70.0°
Efficiency 90 %
Peak intensity 0.766 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030



OSRAM

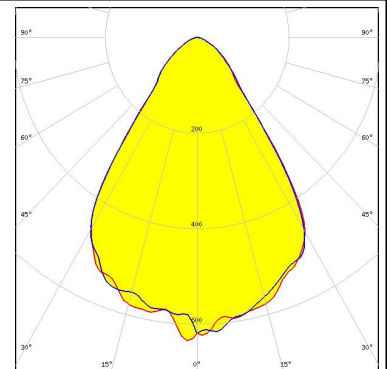
Opto Semiconductors

LED Soleriq S15
FWHM 72.0°
Efficiency 86 %
Peak intensity 0.610 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021



SAMSUNG

LED COB D Series LES 22 mm
FWHM 71.0°
Efficiency 85 %
Peak intensity 0.640 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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