

ANGELA-XW-B

White version with ~70° wide beam compatible with BJB and B+W connectors

SPECIFICATION:

Dimensions	Ø 119.5 mm
Height	74.5 mm
Fastening	socket
ROHS compliant	yes ⓘ

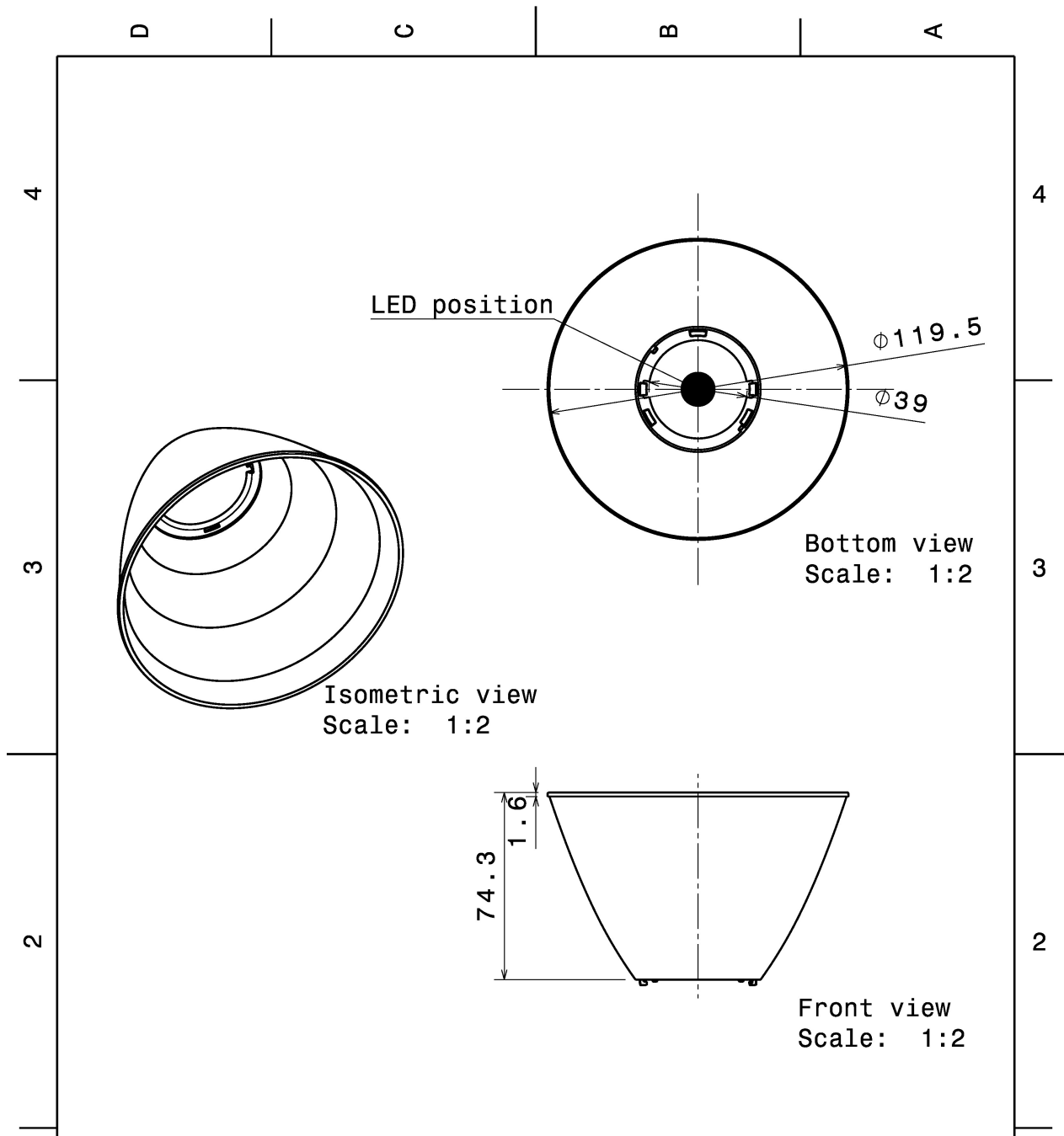


MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F13841_ANGELA-XW-B » Box size: 480 x 280 x 300 mm	160	80	40	7.7



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

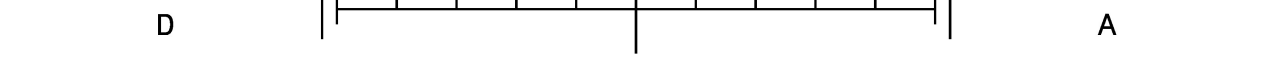
THIRD ANGLE PROJECTION:

DRAWING TITLE
Angela-B

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SIZE	PART NUMBER
A4	-

SCALE	1:2	WEIGHT	-	SHEET	1/1
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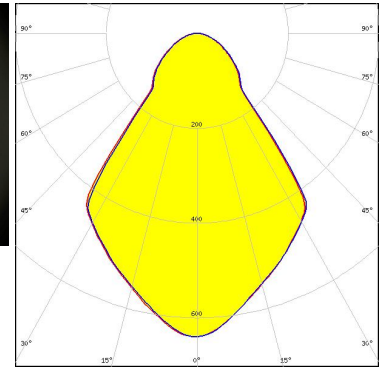
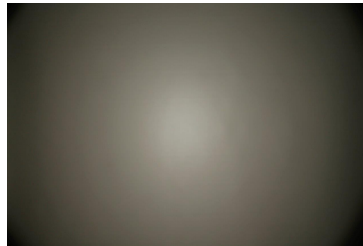


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



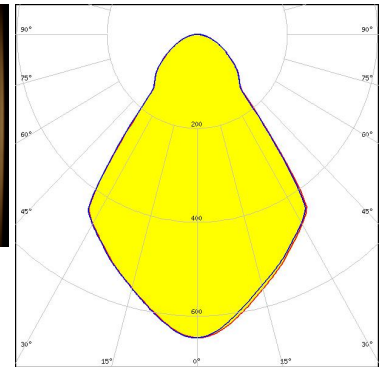
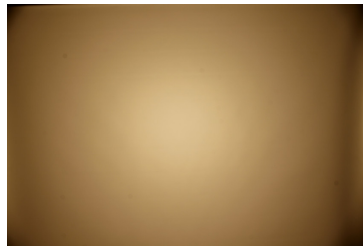
LED BXRA ES Rectangle
FWHM / FWTM 73.0° / 125.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2040



Light distribution files



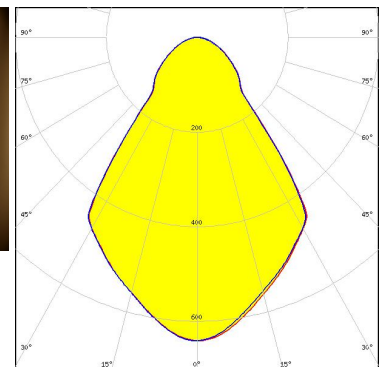
LED V15 Gen6
FWHM / FWTM 72.0° / 124.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2224



Light distribution files



LED V18 Gen6
FWHM / FWTM 72.0° / 125.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2274

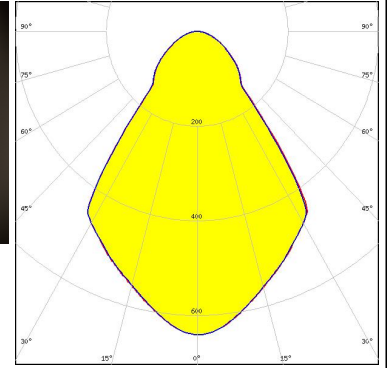
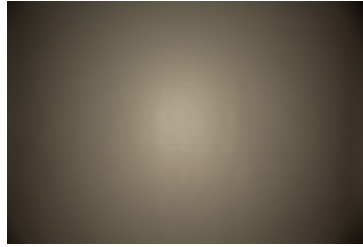


Light distribution files

OPTICAL RESULTS (MEASURED):



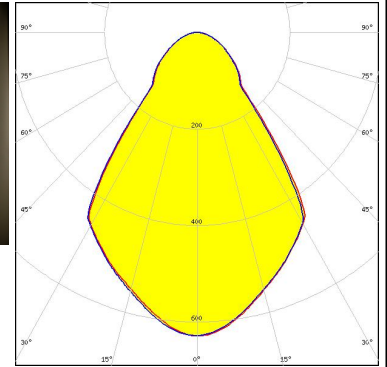
LED V18 Gen7
FWHM / FWTM 72.0° / 124.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 BJB: 47.319.2350



Light distribution files



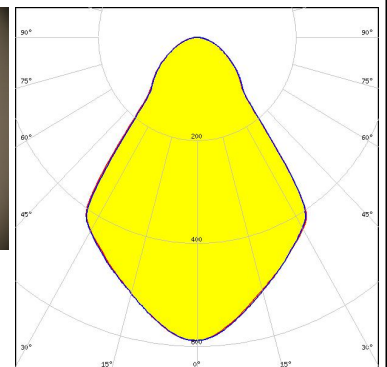
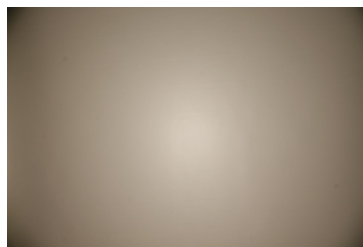
LED V22 Gen6
FWHM / FWTM 71.0° / 124.0°
Efficiency 92 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 A.A.G. STUCCHI: 8102-G2



Light distribution files

CITIZEN

LED CLL03x/CLU03x
FWHM / FWTM 73.0° / 126.0°
Efficiency 88 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F13671_ANGLE-RZ-LENS
 A.A.G. STUCCHI: 8101-G2

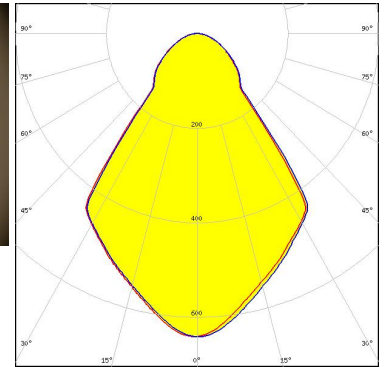
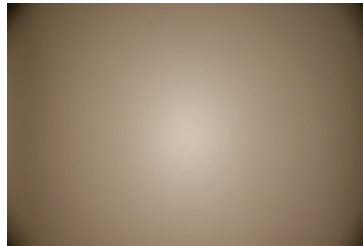


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

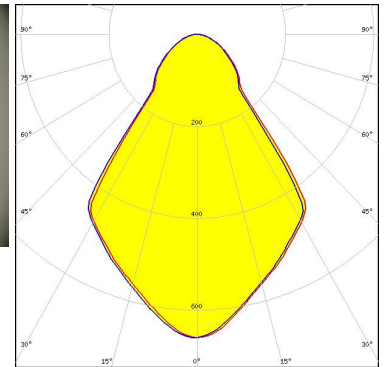
LED CLL03x/CLU03x
FWHM / FWTM 72.0° / 125.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
A.A.G. STUCCHI: 8101-G2



Light distribution files

CITIZEN

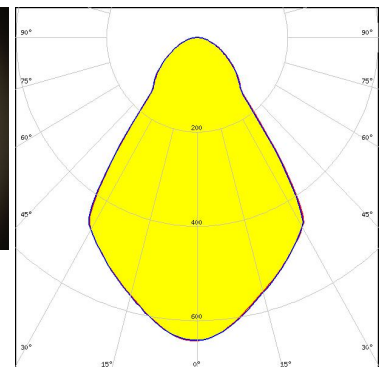
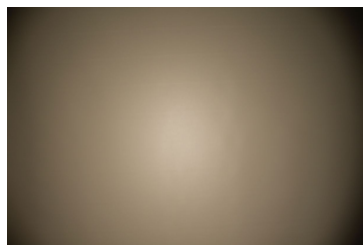
LED CLL03x/CLU03x
FWHM / FWTM 72.0° / 123.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2021



Light distribution files

CITIZEN

LED CLL04x/CLU04x
FWHM / FWTM 71.0° / 124.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2030

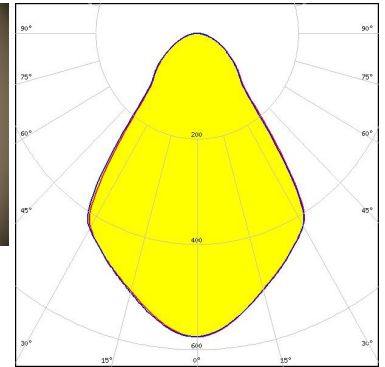
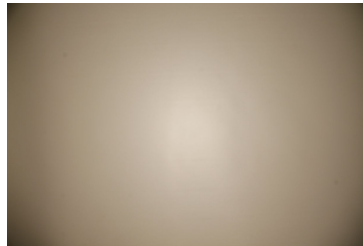


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

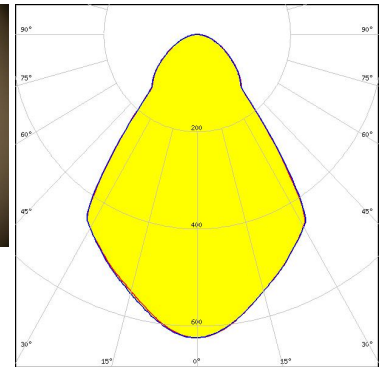
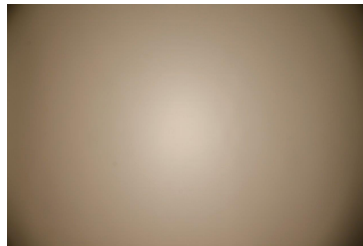
LED CLL04x/CLU04x
FWHM / FWTM 72.0° / 125.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F13671_ANGLE-RZ-LENS
A.A.G. STUCCHI: 8102-G2



Light distribution files

CITIZEN

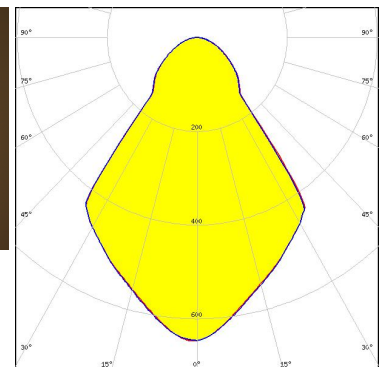
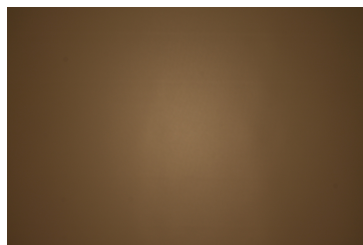
LED CLL04x/CLU04x
FWHM / FWTM 72.0° / 125.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
A.A.G. STUCCHI: 8102-G2



Light distribution files

CITIZEN

LED CLU720/721/723
FWHM / FWTM 73.0° / 125.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2021

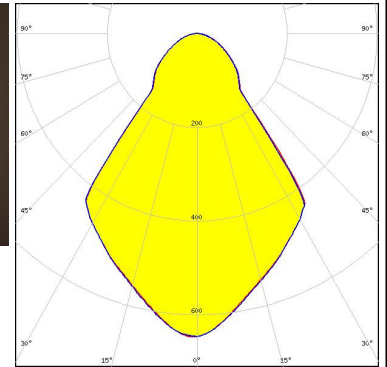


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

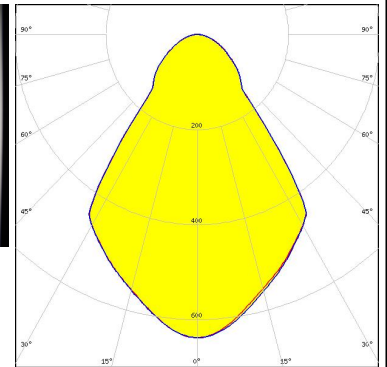
LED CLU720/721/723
 FWHM / FWTM 72.0° / 127.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 A.A.G. STUCCHI: 8101-G2



Light distribution files



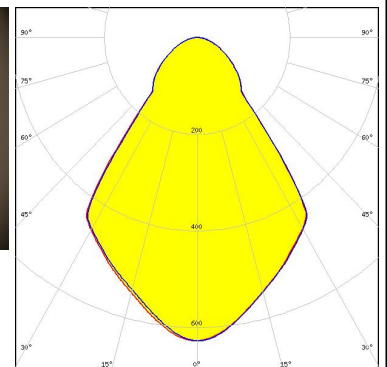
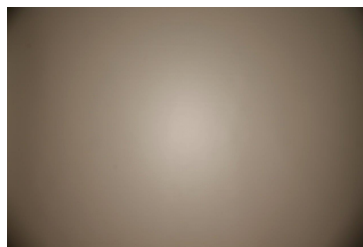
LED CXA/B 25xx
 FWHM / FWTM 72.0° / 125.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 BJB: 47.319.2141



Light distribution files



LED CXA/B 25xx
 FWHM / FWTM 73.0° / 126.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 A.A.G. STUCCHI: 8401-G2

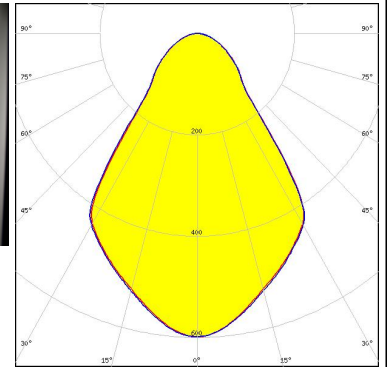


Light distribution files

OPTICAL RESULTS (MEASURED):



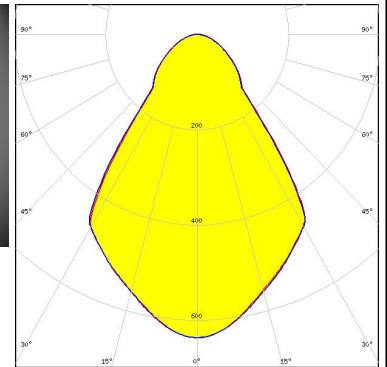
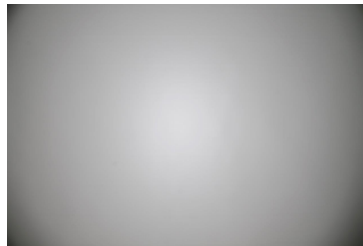
LED CXA/B 25xx
 FWHM / FWTM 72.0° / 125.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGLE-RZ-LENS
 BJB: 47.319.2141



Light distribution files



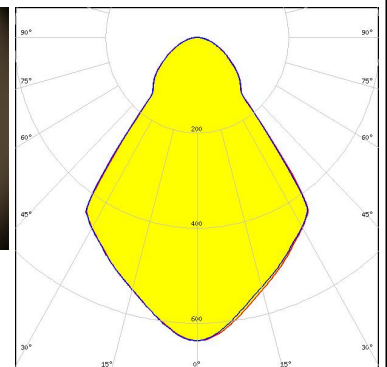
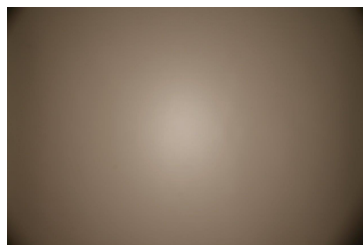
LED CXA/B 30xx
 FWHM / FWTM 71.0° / 124.0°
 Efficiency 92 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 A.A.G. STUCCHI: 8404-G2



Light distribution files



LED LUXEON CoB 1204/1205
 FWHM / FWTM 73.0° / 125.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 A.A.G. STUCCHI: 8301-G2

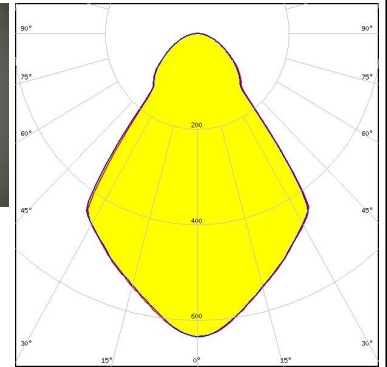
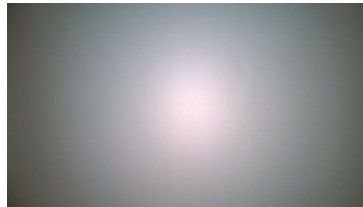


Light distribution files

OPTICAL RESULTS (MEASURED):



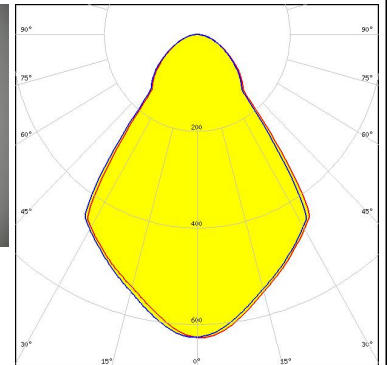
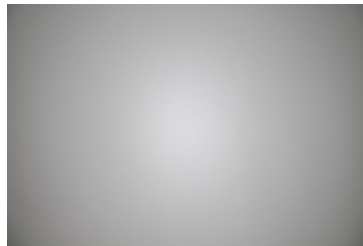
LED LUXEON CoB 1208
 FWHM / FWTM 73.0° / 126.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 A.A.G. STUCCHI: 8301-G2



Light distribution files



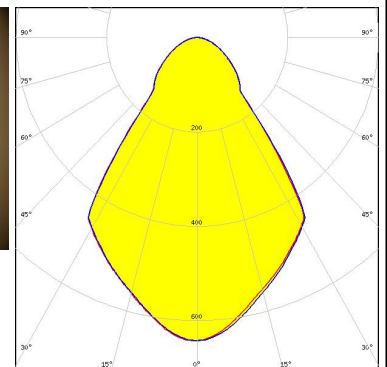
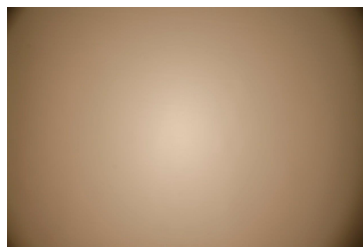
LED LUXEON CoB 1211
 FWHM / FWTM 72.0° / 125.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 BJB: 47.319.2030



Light distribution files



LED LUXEON CoB 1211
 FWHM / FWTM 71.0° / 123.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 A.A.G. STUCCHI: 8102-G2

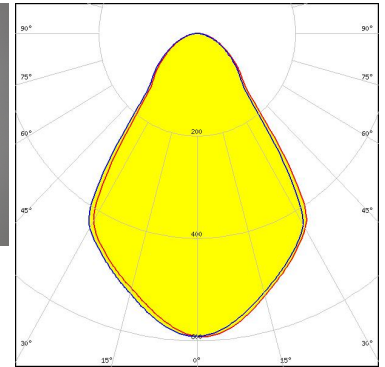


Light distribution files

OPTICAL RESULTS (MEASURED):



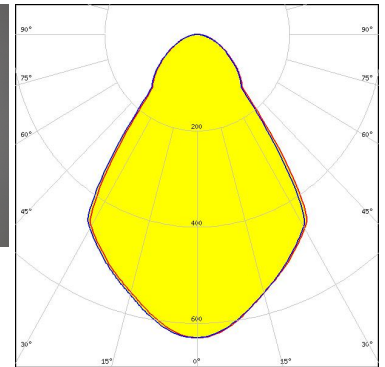
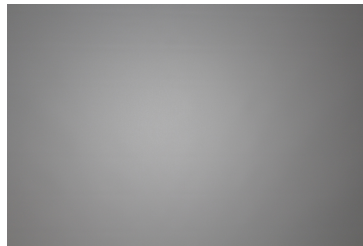
LED LUXEON CoB 1213/1216/1812
FWHM / FWTM 71.0° / 125.0°
Efficiency 88 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2030



Light distribution files



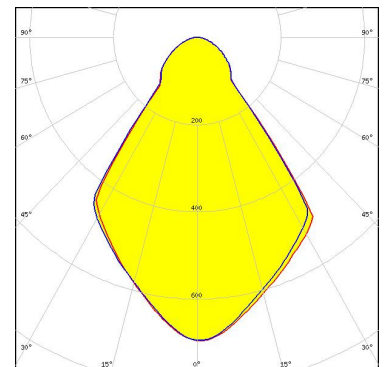
LED LUXEON CoB 1213/1216/1812
FWHM / FWTM 72.0° / 125.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2030



Light distribution files



LED LUXEON K12
FWHM / FWTM 72.0° / 120.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2070

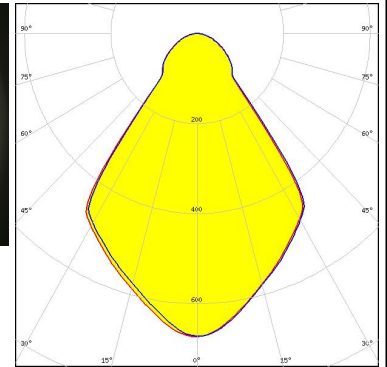


Light distribution files

OPTICAL RESULTS (MEASURED):



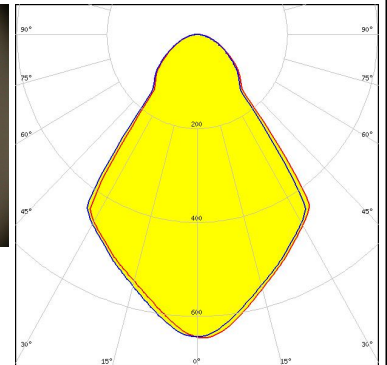
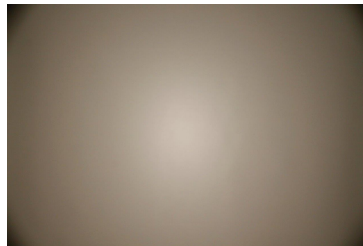
LED LUXEON K16
FWHM / FWTM 72.0° / 121.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 BJB: 47.319.2070



Light distribution files



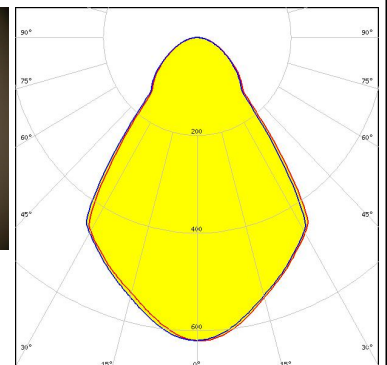
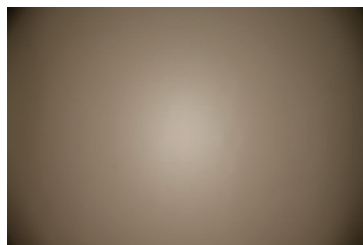
LED CxM-14 (19x19)
FWHM / FWTM 72.0° / 125.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 BJB: 47.319.2021



Light distribution files



LED CxM-22 (28x28)
FWHM / FWTM 72.0° / 126.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 BJB: 47.319.2030

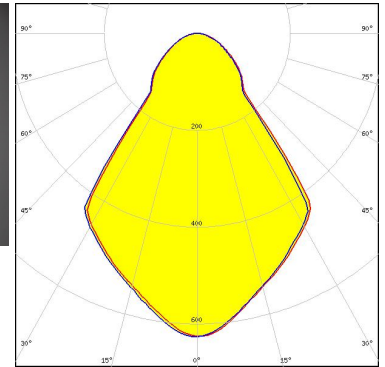
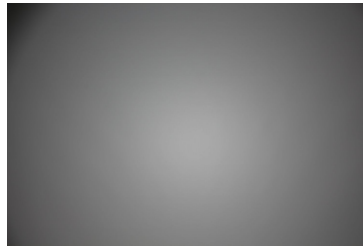


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

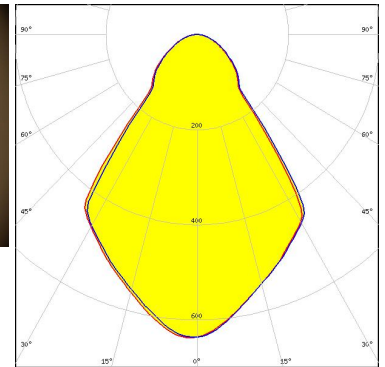
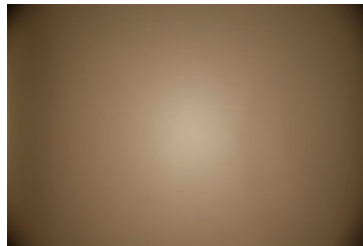
LED Soleriq S13 19x19
FWHM / FWTM 73.0° / 126.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2021



Light distribution files

OSRAM
Opto Semiconductors

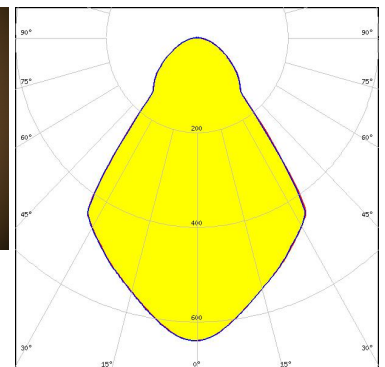
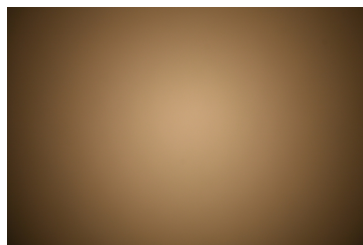
LED Soleriq S19
FWHM / FWTM 72.0° / 125.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
A.A.G. STUCCHI: 8503-G2



Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S19
FWHM / FWTM 72.0° / 125.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2170

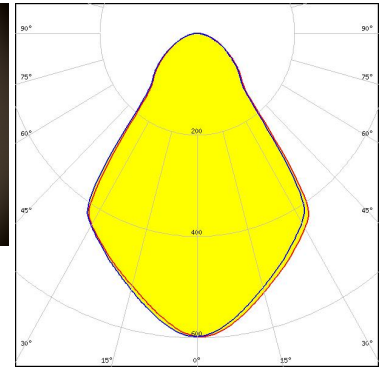
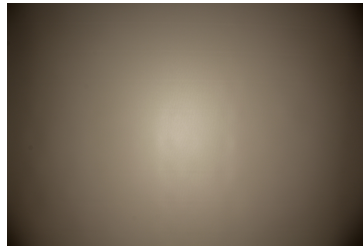


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

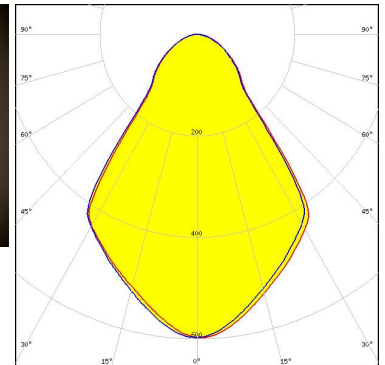
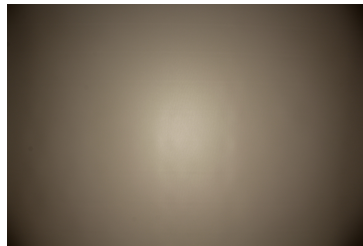
LED LC016D / LC019D / LC026D / LC033D
FWHM / FWTM 73.0° / 125.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F13671_ANGE-RZ-LENS
A.A.G. STUCCHI: 8101-G2



Light distribution files

SAMSUNG

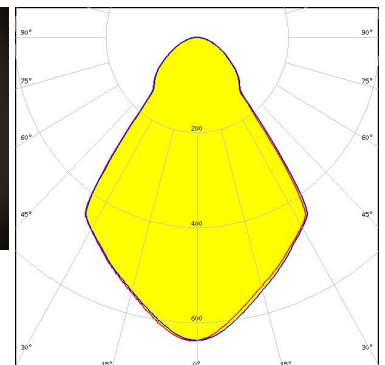
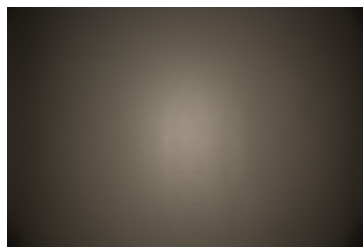
LED LC016D / LC019D / LC026D / LC033D
FWHM / FWTM 73.0° / 125.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2021



Light distribution files

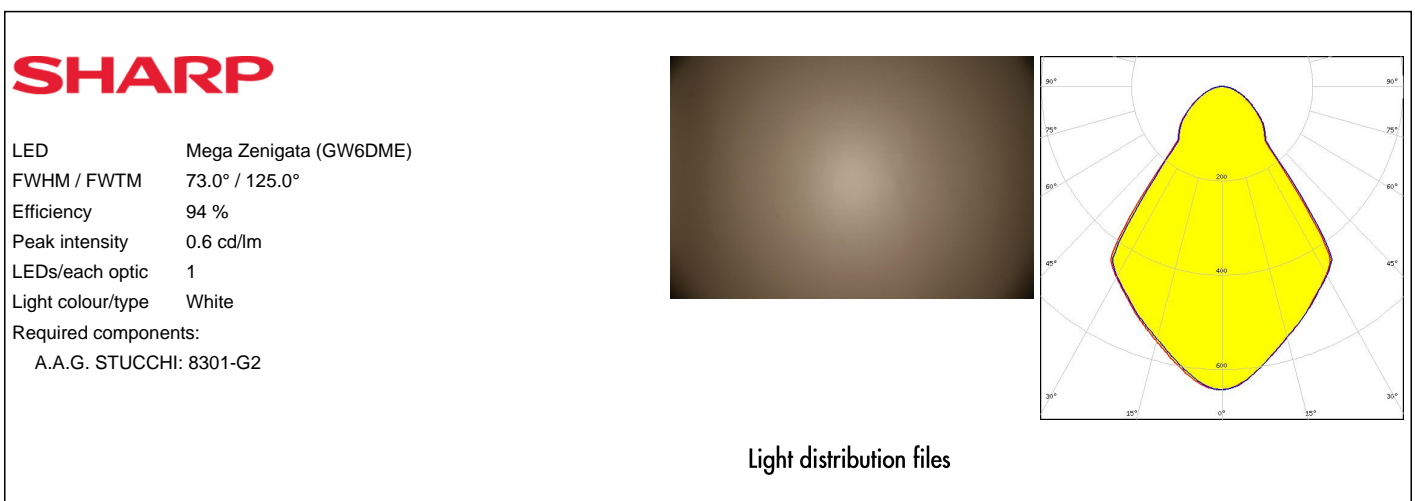
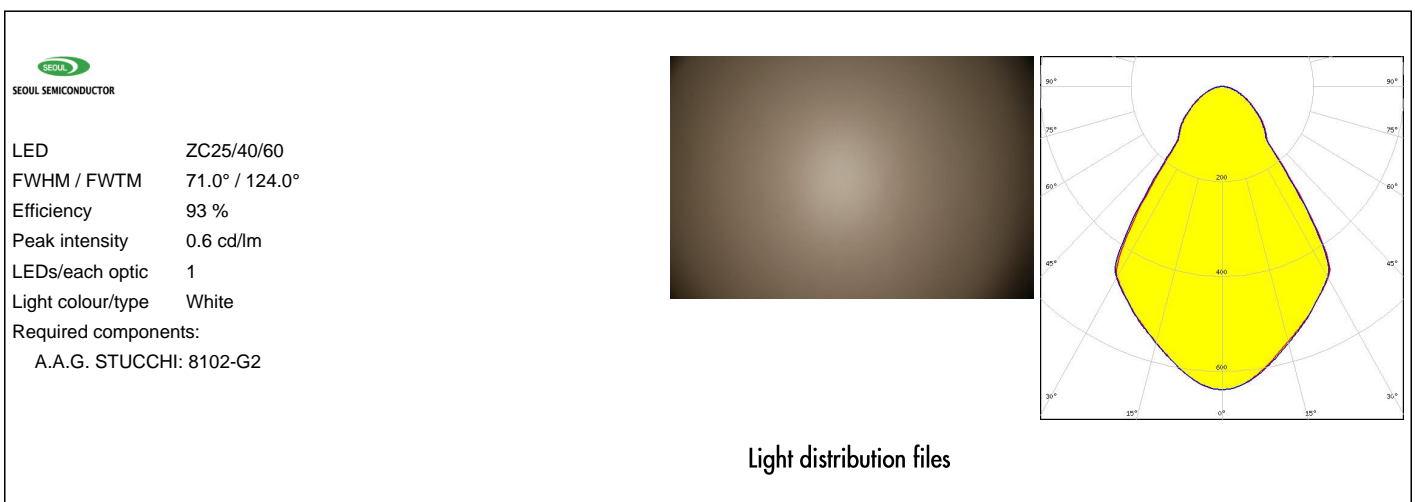
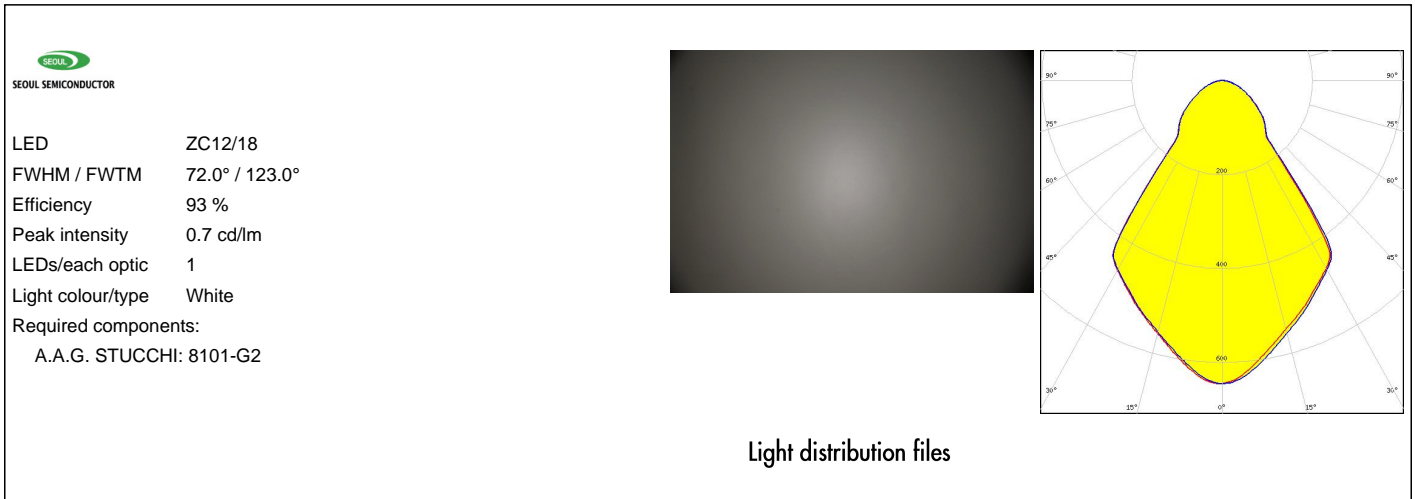
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
FWHM / FWTM 73.0° / 124.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
A.A.G. STUCCHI: 8101-G2



Light distribution files

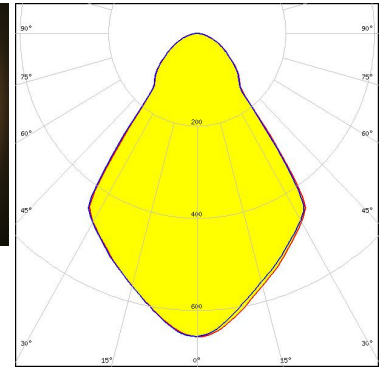
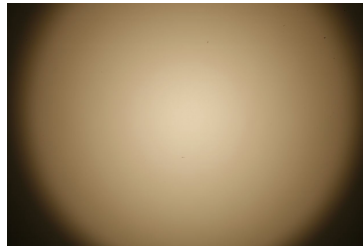
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):

SHARP

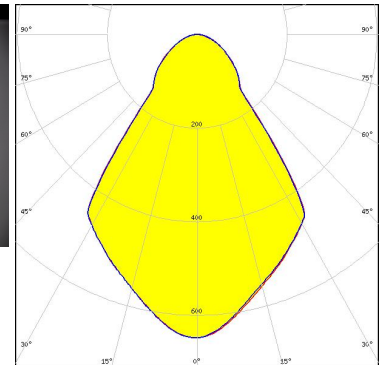
LED Mega Zenigata (GW6DME)
 FWHM / FWTM 72.0° / 123.0°
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 BJB: 47.319.2011



Light distribution files

TRIDONIC

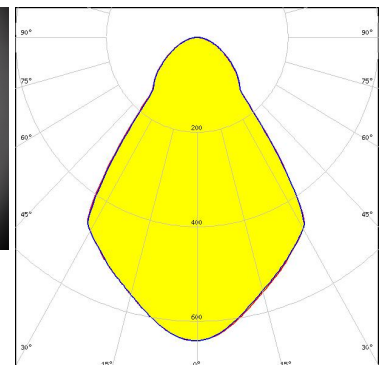
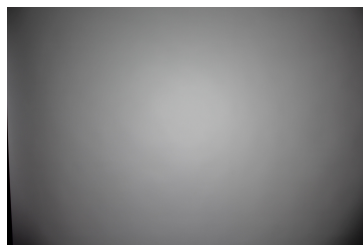
LED SLE G7 LES17 H
 FWHM / FWTM 71.0° / 123.0°
 Efficiency 93 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

TRIDONIC

LED SLE G7 LES21 H
 FWHM / FWTM 71.0° / 124.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

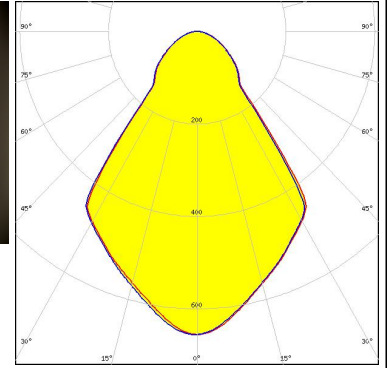
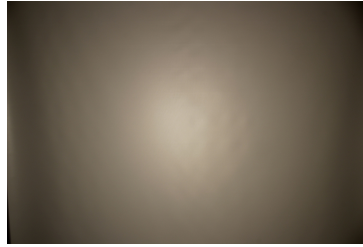


Light distribution files

OPTICAL RESULTS (MEASURED):

XICATO

LED XOB 14.5 mm
FWHM / FWTM 72.0° / 124.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2021



Light distribution files

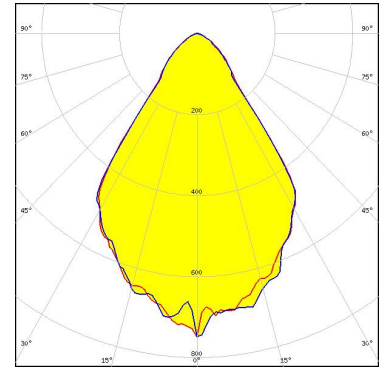
OPTICAL RESULTS (SIMULATED):

CITIZEN

LED CLU730/731/733
FWHM / FWTM 70.0° / 105.0°
Efficiency 90 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

BJB: 47.319.2030

Light distribution files



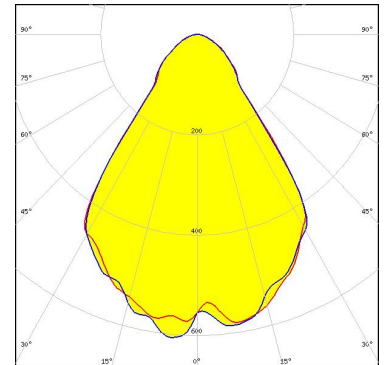
OSRAM

Opto Semiconductors

LED Soleriq S15
FWHM / FWTM 72.0° / 116.0°
Efficiency 86 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

BJB: 47.319.2021

Light distribution files

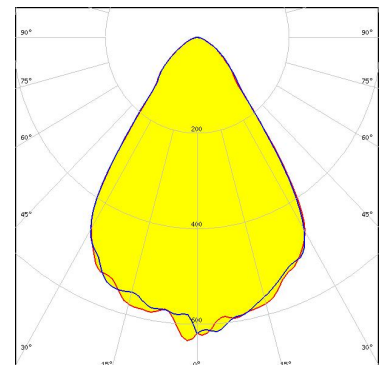


SAMSUNG

LED LC040D / LC060D / LC080D
FWHM / FWTM 71.0° / 111.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

BJB: 47.319.2030

Light distribution files



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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