

## ANGELINA-XW-B

White version with ~91° wide beam compatible  
with BJB and B+W connectors

## SPECIFICATION:

Dimensions	Ø 82.0 mm
Height	31 mm
Fastening	socket
ROHS compliant	yes ⓘ

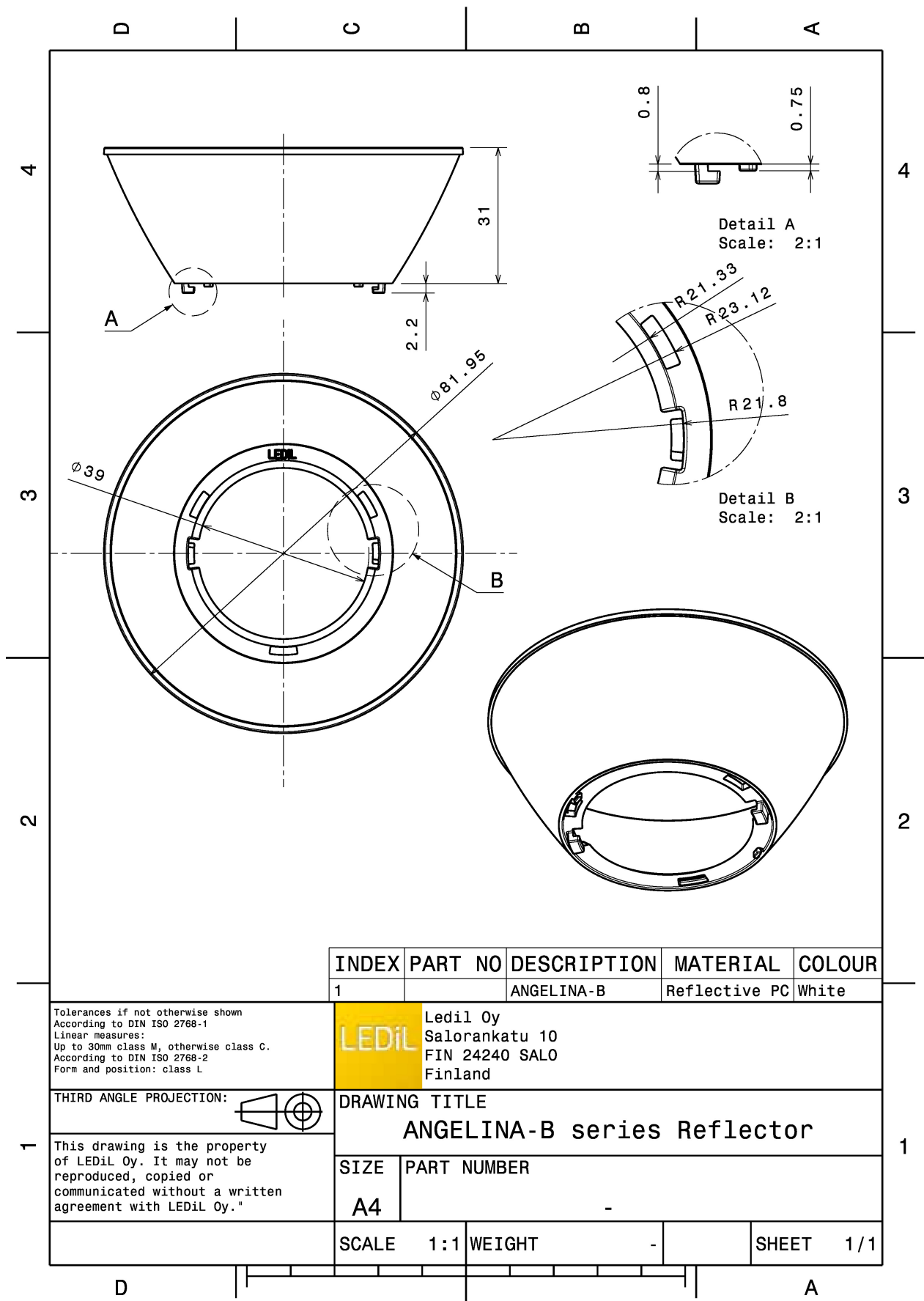


## MATERIALS:

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

## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F13839_ANGELINA-XW-B » Box size: 480 x 280 x 300 mm	825	110	55	11.1

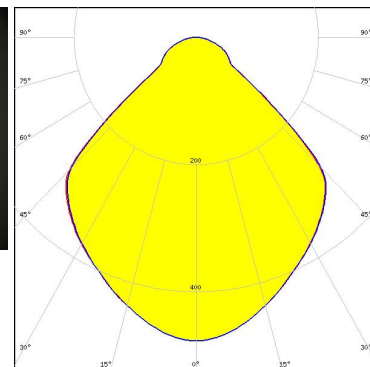
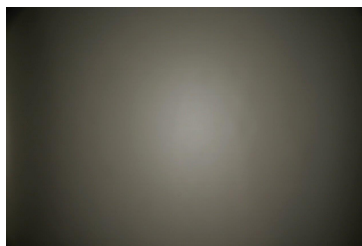


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



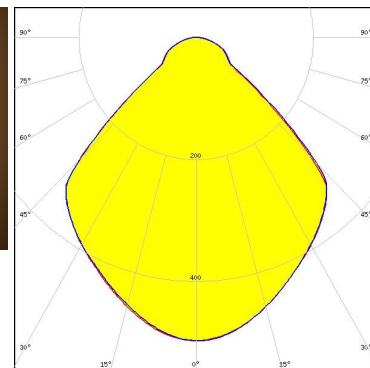
LED BXRA ES Rectangle  
 FWHM / FWTM 94.0° / 135.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2040



Light distribution files



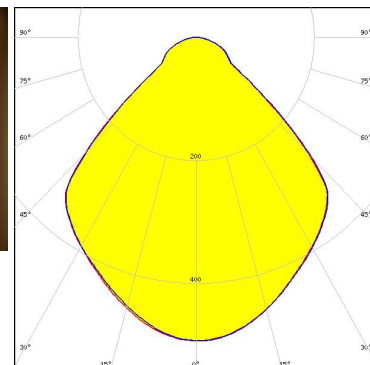
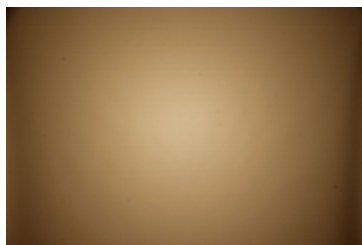
LED V15 Gen6  
 FWHM / FWTM 92.0° / 133.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2224



Light distribution files



LED V18 Gen6  
 FWHM / FWTM 92.0° / 134.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2274

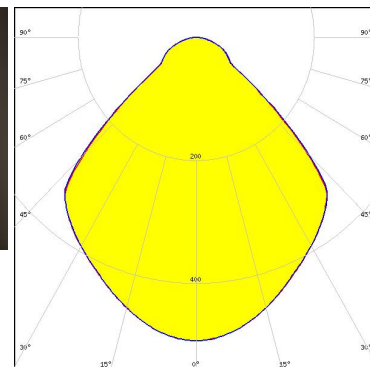
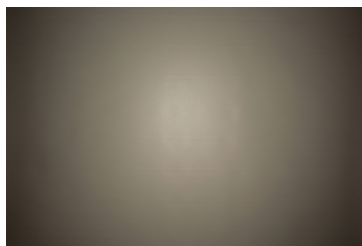


Light distribution files

#### OPTICAL RESULTS (MEASURED):



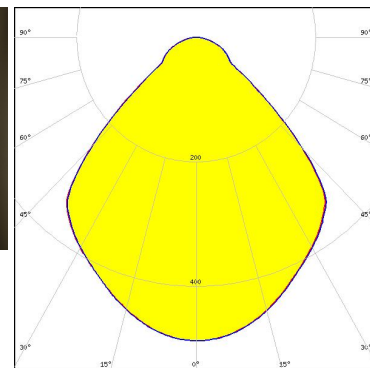
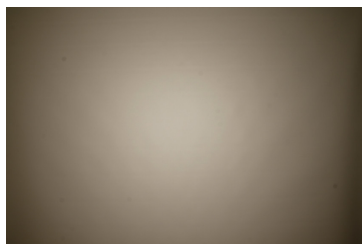
LED V18 Gen7  
FWHM / FWTM 92.0° / 134.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
BJB: 47.319.2350



Light distribution files



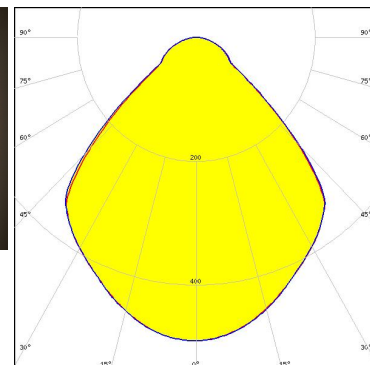
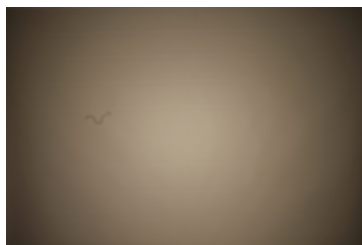
LED V22 Gen6  
FWHM / FWTM 91.0° / 133.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
A.A.G. STUCCHI: 8102-G2



Light distribution files



LED V22 Gen7  
FWHM / FWTM 91.0° / 133.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
BJB: 47.319.2030



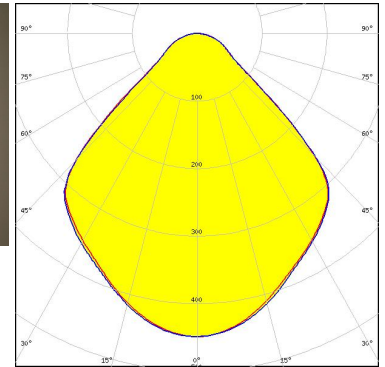
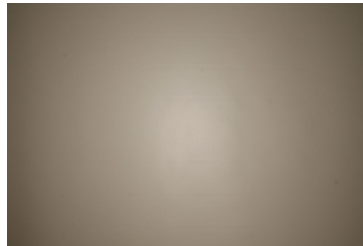
Light distribution files



#### OPTICAL RESULTS (MEASURED):

#### CITIZEN

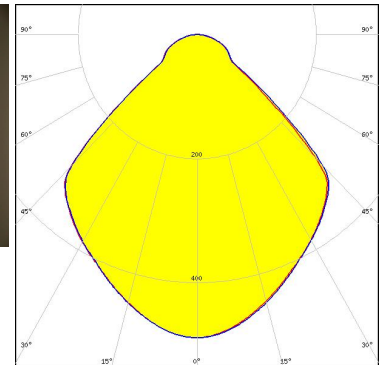
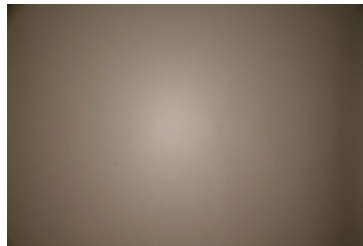
LED CLL03x/CLU03x  
 FWHM / FWTM 93.0° / 132.0°  
 Efficiency 89 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 A.A.G. STUCCHI: 8101-G2



Light distribution files

#### CITIZEN

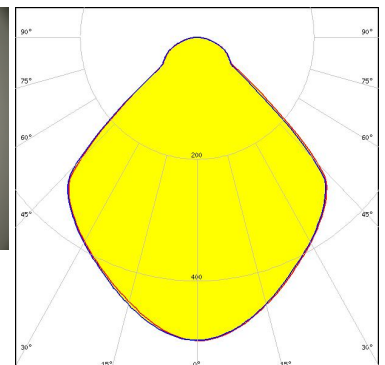
LED CLL03x/CLU03x  
 FWHM / FWTM 93.0° / 135.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 A.A.G. STUCCHI: 8101-G2



Light distribution files

#### CITIZEN

LED CLL03x/CLU03x  
 FWHM / FWTM 93.0° / 133.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2021

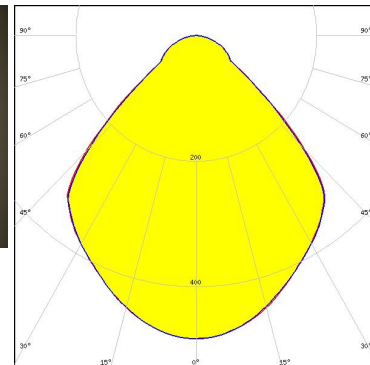
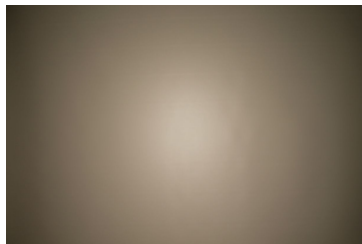


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### CITIZEN

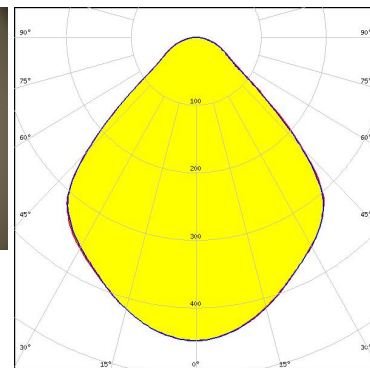
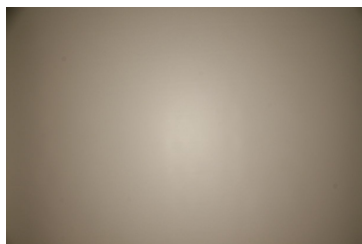
LED CLL04x/CLU04x  
 FWHM / FWTM 91.0° / 134.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2030



Light distribution files

#### CITIZEN

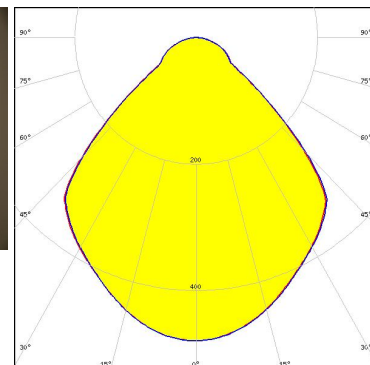
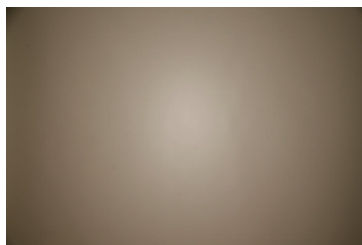
LED CLL04x/CLU04x  
 FWHM / FWTM 91.0° / 132.0°  
 Efficiency 88 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 A.A.G. STUCCHI: 8102-G2



Light distribution files

#### CITIZEN

LED CLL04x/CLU04x  
 FWHM / FWTM 92.0° / 135.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 A.A.G. STUCCHI: 8102-G2

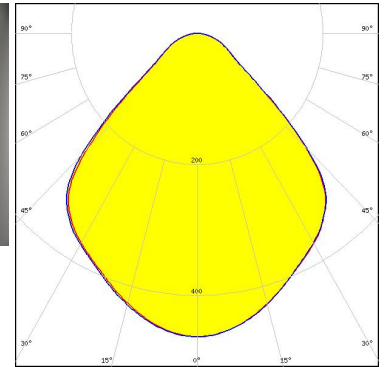
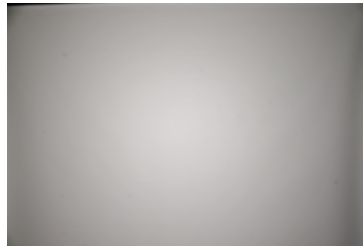


Light distribution files

#### OPTICAL RESULTS (MEASURED):



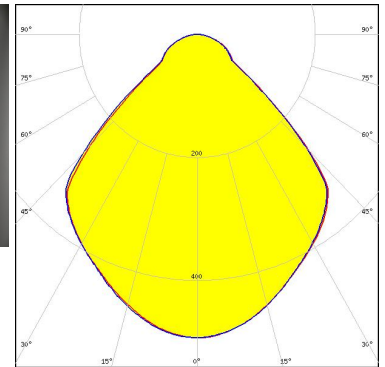
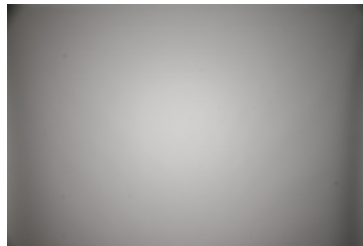
LED CXA/B 25xx  
 FWHM / FWTM 92.0° / 133.0°  
 Efficiency 92 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 BJB: 47.319.2141



Light distribution files



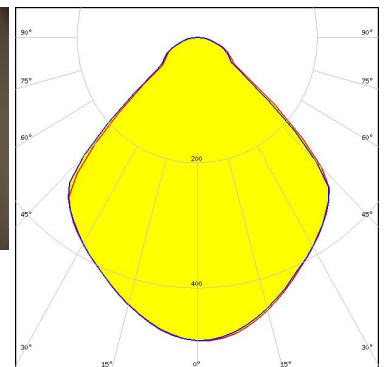
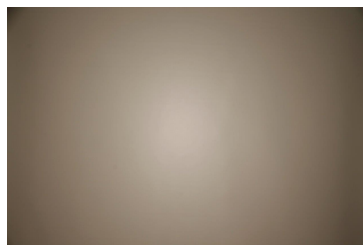
LED CXA/B 25xx  
 FWHM / FWTM 92.0° / 134.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2141



Light distribution files



LED CXA/B 25xx  
 FWHM / FWTM 93.0° / 135.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 A.A.G. STUCCHI: 8401-G2

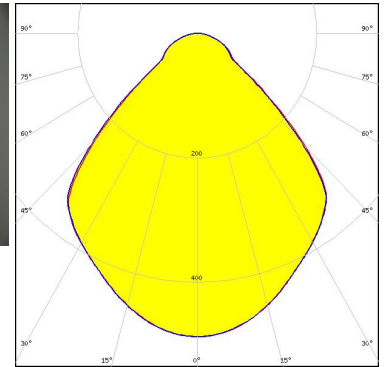
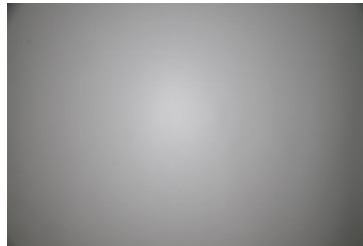


Light distribution files

#### OPTICAL RESULTS (MEASURED):



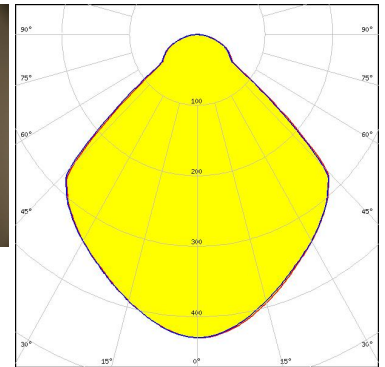
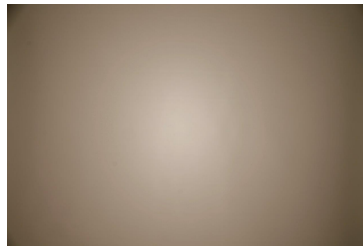
LED CXA/B 30xx  
 FWHM / FWTM 90.0° / 134.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 A.A.G. STUCCHI: 8404-G2



Light distribution files



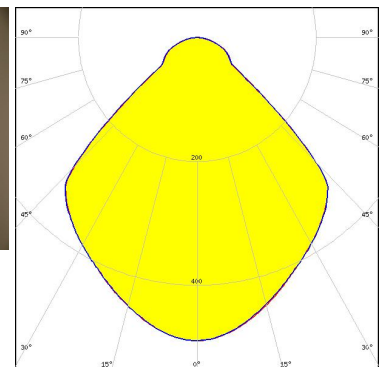
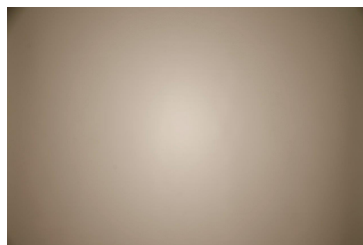
LED LUXEON CoB 1204/1205  
 FWHM / FWTM 94.0° / 135.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 A.A.G. STUCCHI: 8301-G2



Light distribution files



LED LUXEON CoB 1208  
 FWHM / FWTM 93.0° / 135.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 A.A.G. STUCCHI: 8301-G2

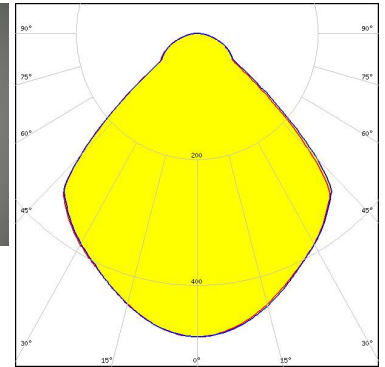


Light distribution files

#### OPTICAL RESULTS (MEASURED):



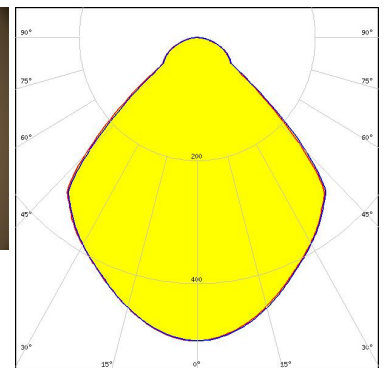
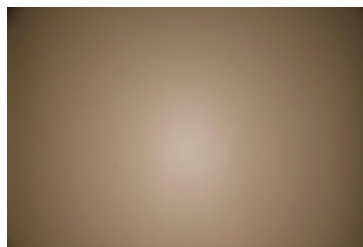
LED LUXEON CoB 1211  
 FWHM / FWTM 92.0° / 135.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2030



Light distribution files



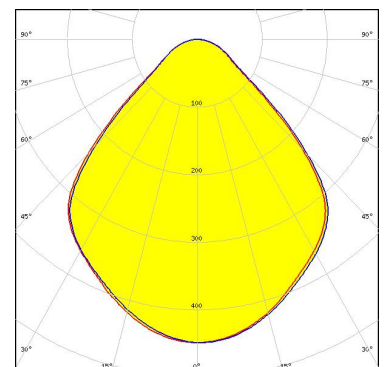
LED LUXEON CoB 1211  
 FWHM / FWTM 91.0° / 133.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 A.A.G. STUCCHI: 8102-G2



Light distribution files



LED LUXEON CoB 1213/1216/1812  
 FWHM / FWTM 91.0° / 133.0°  
 Efficiency 89 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 BJB: 47.319.2030

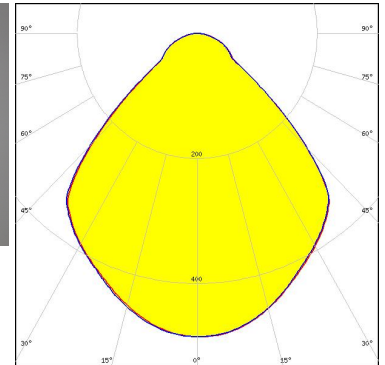
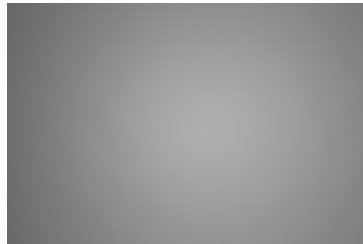


Light distribution files

#### OPTICAL RESULTS (MEASURED):



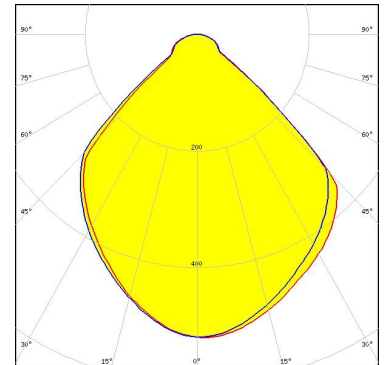
LED LUXEON CoB 1213/1216/1812  
 FWHM / FWTM 91.0° / 134.0°  
 Efficiency 96 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2030



Light distribution files



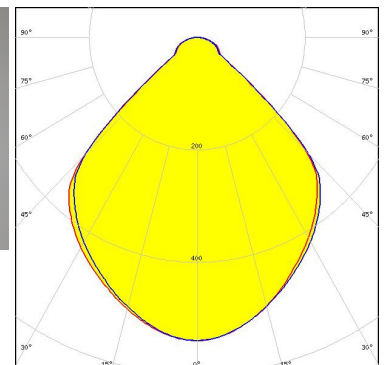
LED LUXEON K12  
 FWHM / FWTM 91.0° / 112.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2070



Light distribution files



LED LUXEON K16  
 FWHM / FWTM 91.0° / 108.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2070



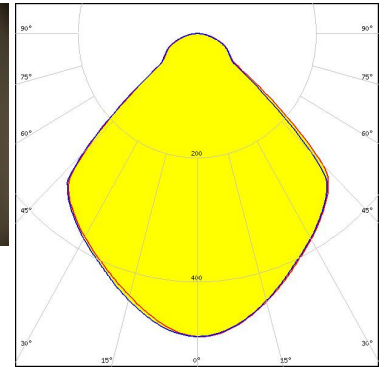
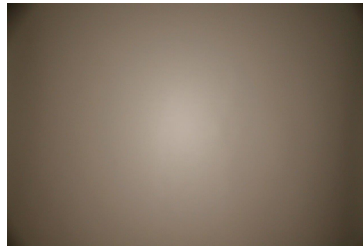
Light distribution files



#### OPTICAL RESULTS (MEASURED):



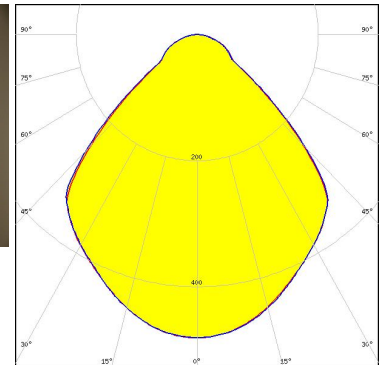
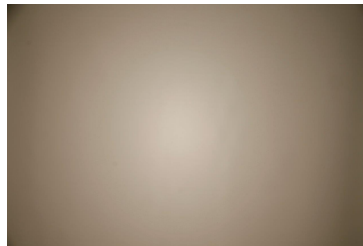
LED CxM-14 (19x19)  
 FWHM / FWTM 92.0° / 134.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2021



Light distribution files



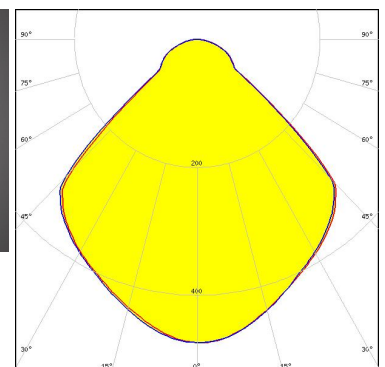
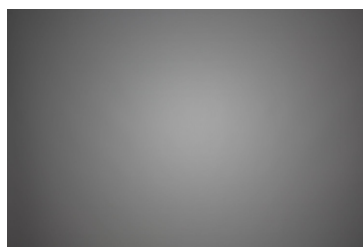
LED CxM-22 (28x28)  
 FWHM / FWTM 91.0° / 135.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2030



Light distribution files



LED Soleriq S13 19x19  
 FWHM / FWTM 94.0° / 137.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2021

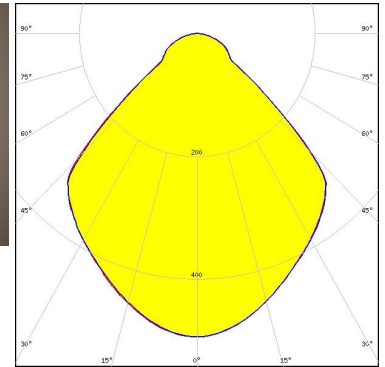
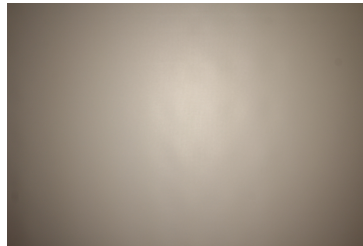


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

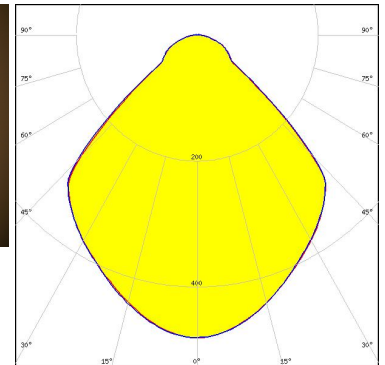
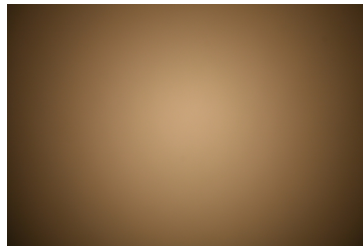
LED Soleriq S19  
FWHM / FWTM 92.0° / 134.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
A.A.G. STUCCHI: 8503-G2



Light distribution files

**OSRAM**  
Opto Semiconductors

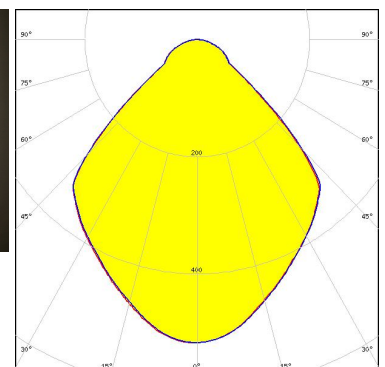
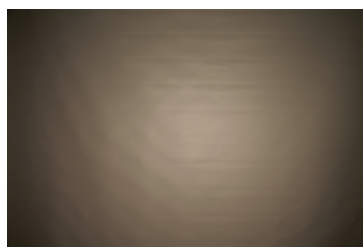
LED Soleriq S19  
FWHM / FWTM 93.0° / 134.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
BJB: 47.319.2170



Light distribution files

**PHILIPS**

LED Fortimo SLM L19 CoB  
FWHM / FWTM 91.0° / 130.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
BJB: 47.319.2030

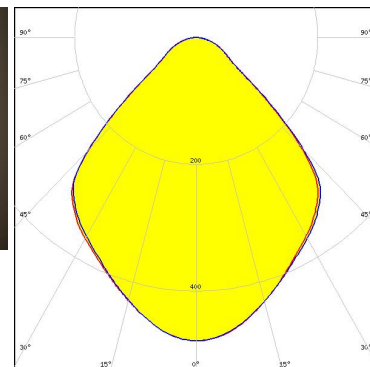
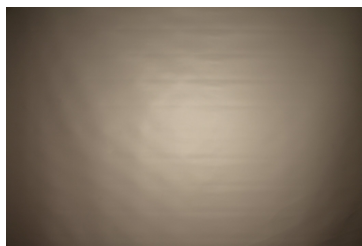


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### PHILIPS

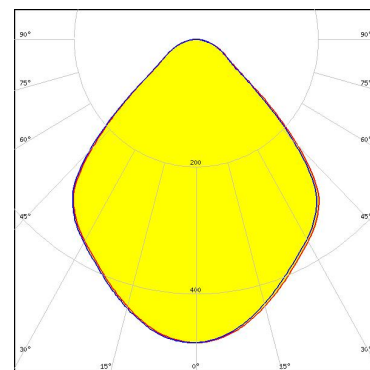
LED Fortimo SLM L19 CoB  
 FWHM / FWTM 91.0° / 130.0°  
 Efficiency 91 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 BJB: 47.319.2030



Light distribution files

#### PHILIPS

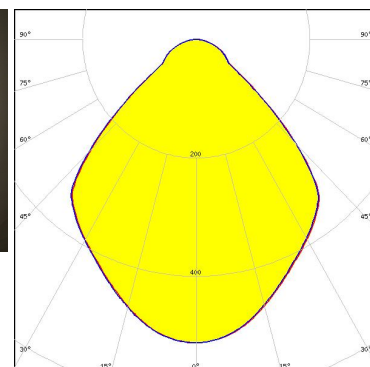
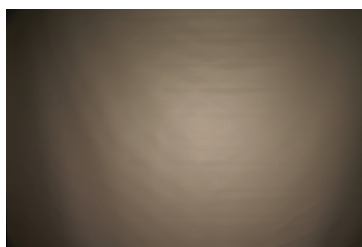
LED Fortimo SLM L23 CoB  
 FWHM / FWTM 90.0° / 131.0°  
 Efficiency 91 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 BJB: 47.319.2030



Light distribution files

#### PHILIPS

LED Fortimo SLM L23 CoB  
 FWHM / FWTM 90.0° / 131.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2030

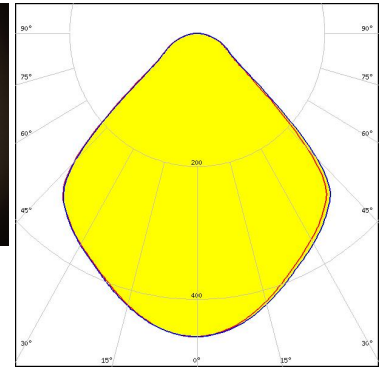
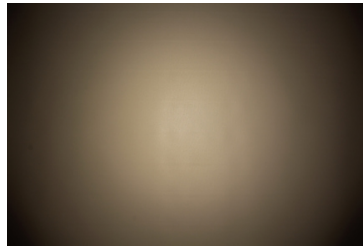


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

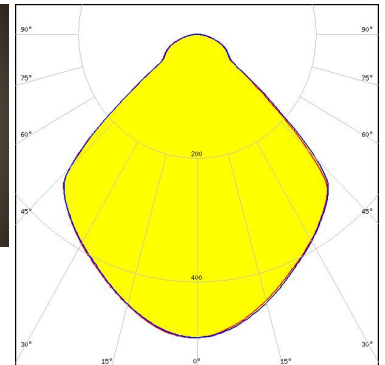
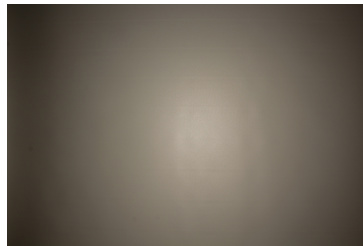
LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 93.0° / 133.0°  
 Efficiency 91 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 BJB: 47.319.2021



Light distribution files

### SAMSUNG

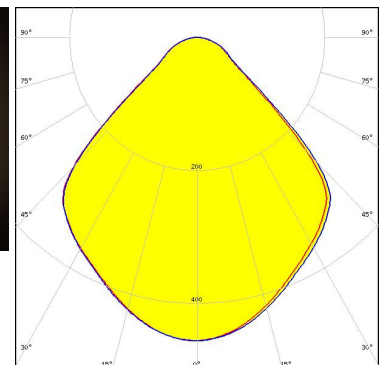
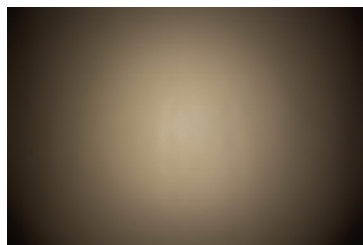
LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 93.0° / 134.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.319.2021



Light distribution files

### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 93.0° / 133.0°  
 Efficiency 91 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F13671\_ANGE-RZ-LENS  
 A.A.G. STUCCHI: 8101-G2

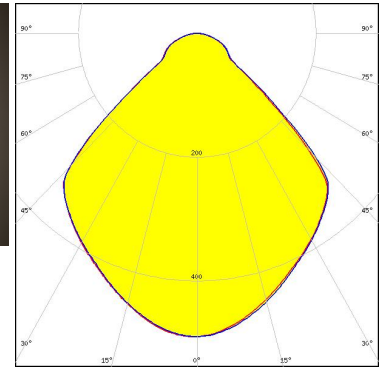
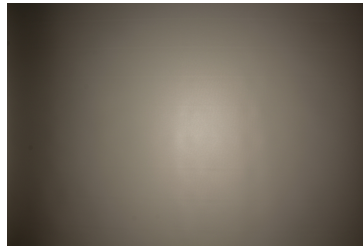


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

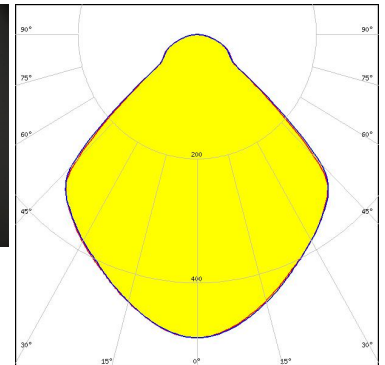
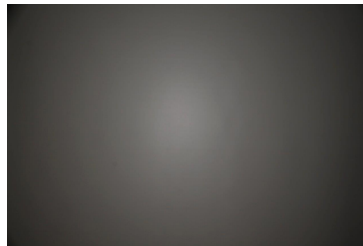
LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 93.0° / 134.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 A.A.G. STUCCHI: 8101-G2



Light distribution files



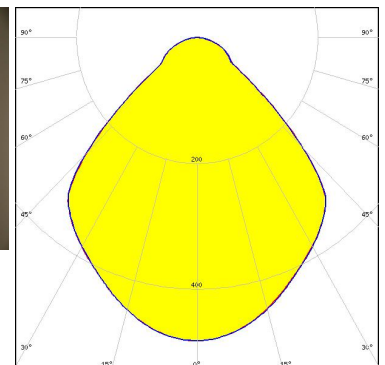
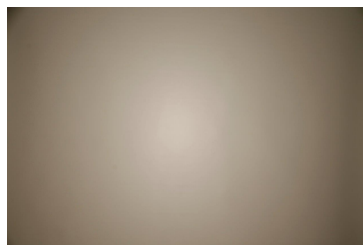
LED ZC12/18  
 FWHM / FWTM 93.0° / 135.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 A.A.G. STUCCHI: 8101-G2



Light distribution files



LED ZC25/40/60  
 FWHM / FWTM 91.0° / 134.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 A.A.G. STUCCHI: 8102-G2

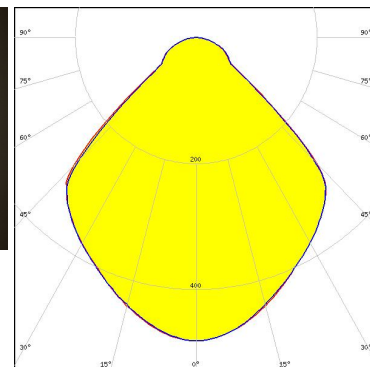
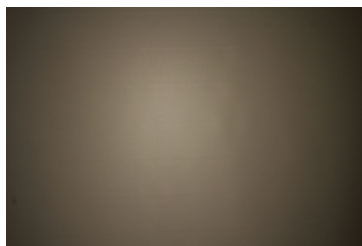


Light distribution files

## OPTICAL RESULTS (MEASURED):

### SHARP

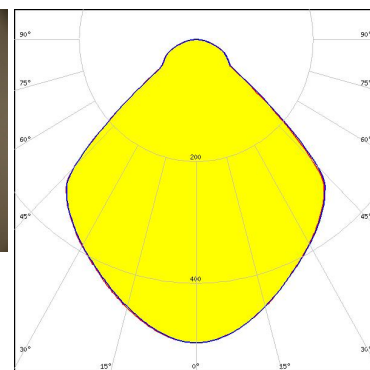
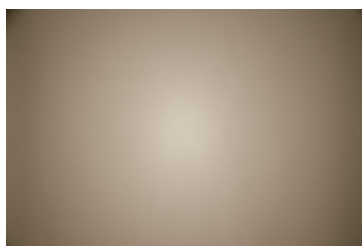
LED Mega Zenigata (GW5DGC)  
FWHM / FWTM 93.0° / 134.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
BJB: 47.319.2011



Light distribution files

### SHARP

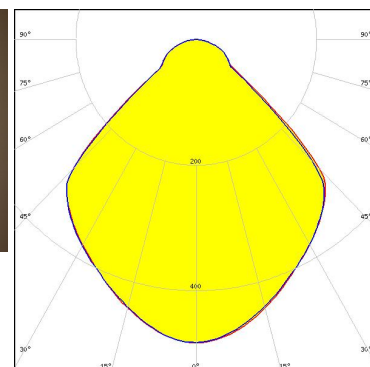
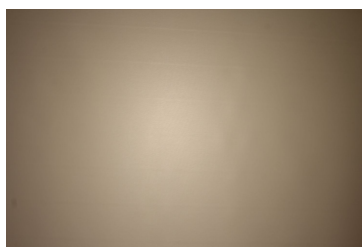
LED Mega Zenigata (GW6DME)  
FWHM / FWTM 93.0° / 134.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
A.A.G. STUCCHI: 8301-G2



Light distribution files

### SHARP

LED Mega Zenigata (GW6DME)  
FWHM / FWTM 93.0° / 134.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
BJB: 47.319.2011



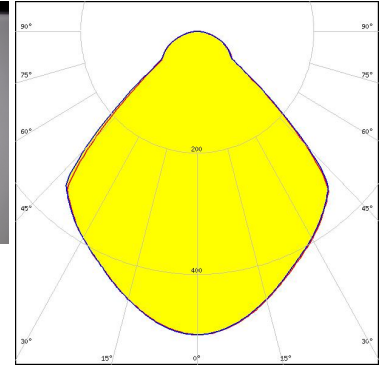
Light distribution files



## OPTICAL RESULTS (MEASURED):

### TRIDONIC

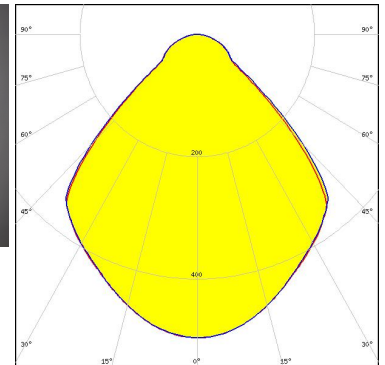
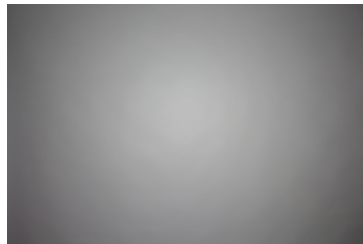
LED SLE G7 LES17 H  
FWHM / FWTM 91.0° / 133.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### TRIDONIC

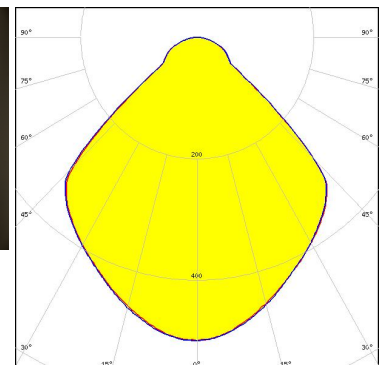
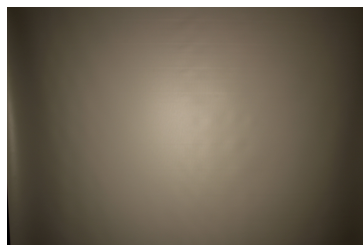
LED SLE G7 LES21 H  
FWHM / FWTM 90.0° / 133.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### XICATO

LED XOB 14.5 mm  
FWHM / FWTM 93.0° / 132.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
BJB: 47.319.2021



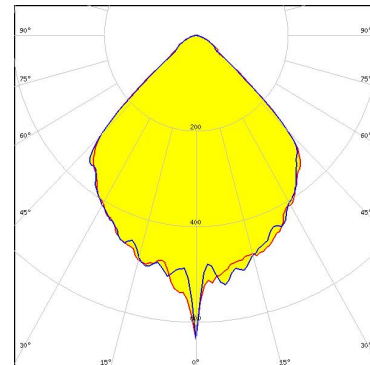
Light distribution files

## OPTICAL RESULTS (SIMULATED):

### CITIZEN

LED CLU730/731/733  
FWHM / FWTM 86.0° / 110.0°  
Efficiency 93 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

BJB: 47.319.2030

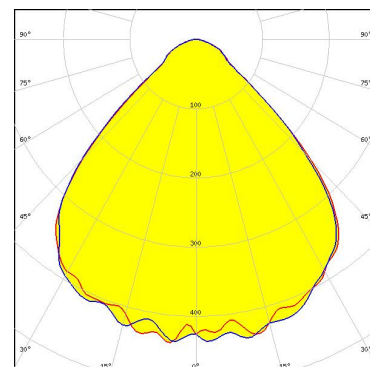


Light distribution files

### SAMSUNG

LED LC040D / LC060D / LC080D  
FWHM / FWTM 91.0° / 127.0°  
Efficiency 88 %  
Peak intensity 0.5 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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#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

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