

ANGELETTE-WW-PLAIN

~60° wide beam. Clean appearance with no additional attachment interface.

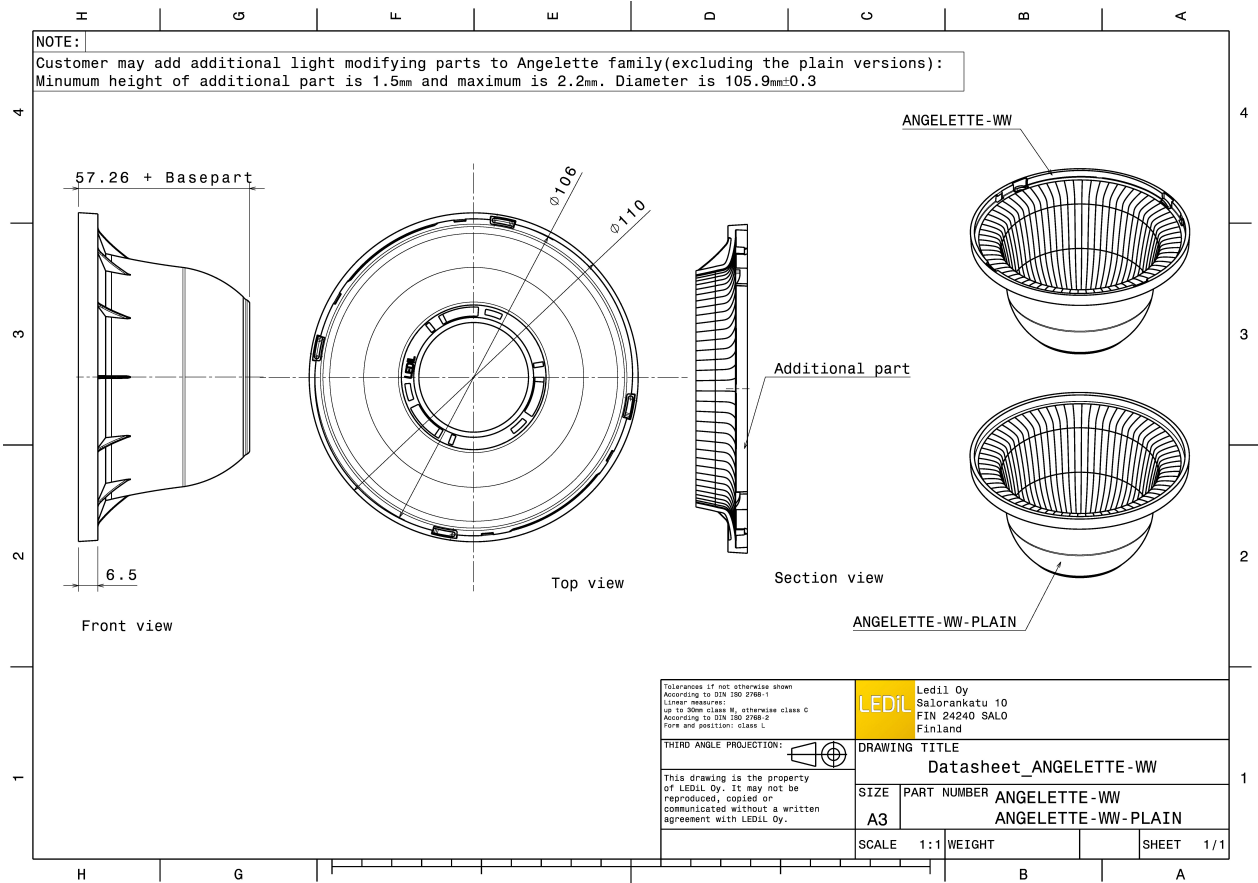
TECHNICAL SPECIFICATIONS:

| | |
|-----------------|--------------------|
| Dimensions | Ø 110 mm |
| Height | 57.3 mm |
| Fastening | socket |
| Colour | metal |
| Box size | 398 x 298 x 265 mm |
| Box weight | 5.3 kg |
| Quantity in Box | 120 pcs |
| ROHS compliant | yes ⓘ |

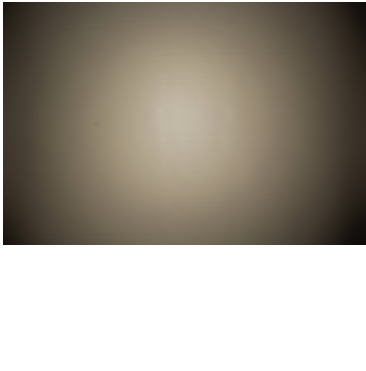
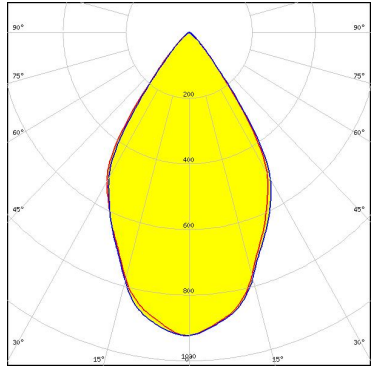
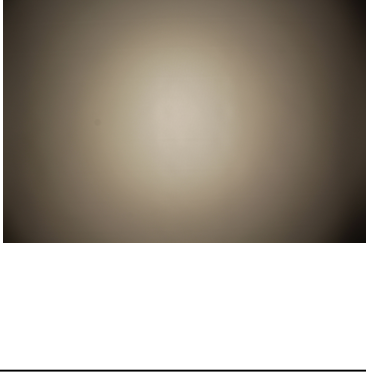
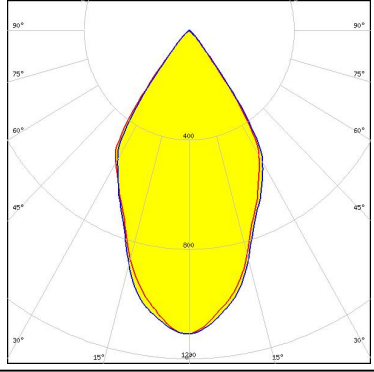
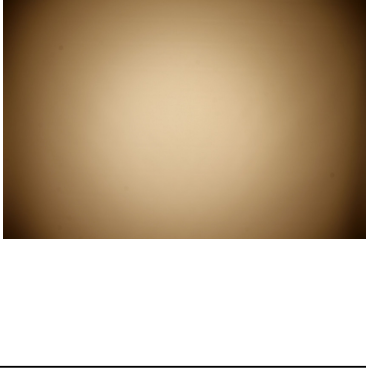
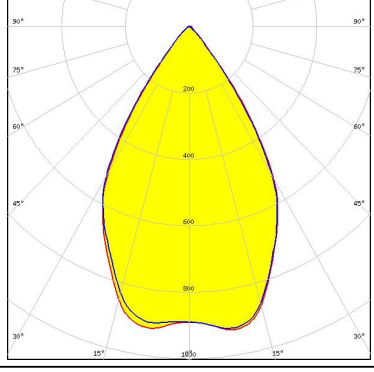
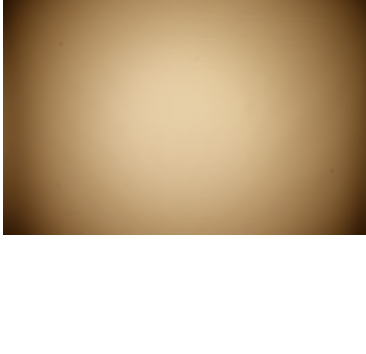
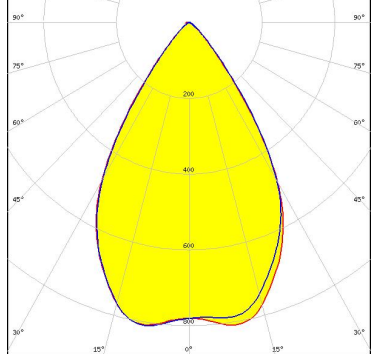


MATERIAL SPECIFICATIONS:


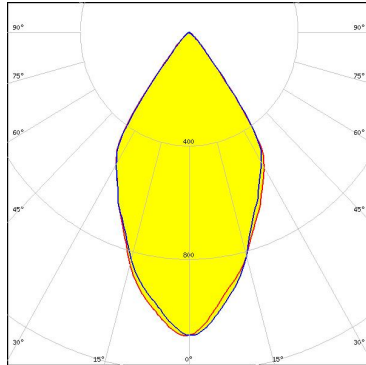
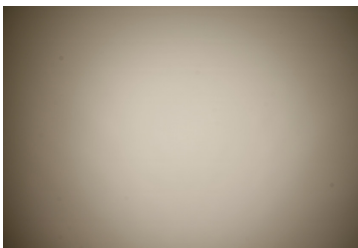
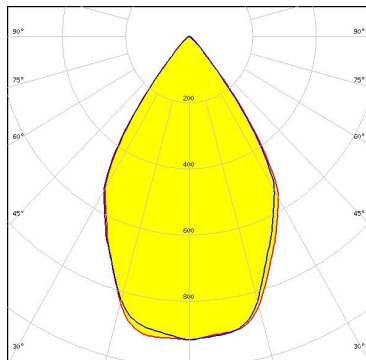

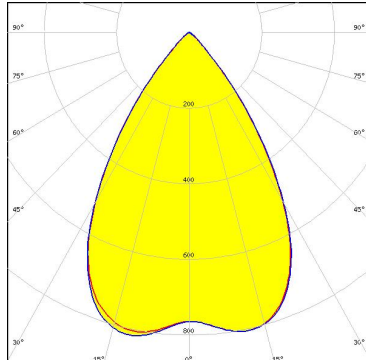
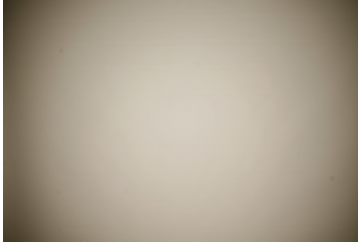
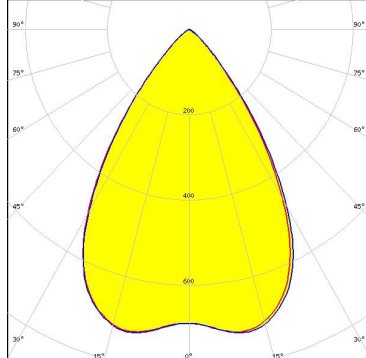
| Component | Type | Material | Colour | Coating |
|--------------------|-----------|----------|--------|---------|
| ANGELETTE-WW-PLAIN | Reflector | PC | metal | HMDS |



PHOTOMETRIC DATA (MEASURED):

| | | |
|---|--|---|
| <p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 64.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 0.920 cd/lm</p> <p>Required components: F13671_ANGE-RZ-LENS TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p> |  |  |
| <p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 59.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components: TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p> |  |  |
| <p>bridgelux.</p> <p>LED V22 Gen6</p> <p>FWHM 63.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.920 cd/lm</p> <p>Required components:</p> |  |  |
| <p>bridgelux.</p> <p>LED V22 Gen6</p> <p>FWHM 65.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 0.810 cd/lm</p> <p>Required components: F13671_ANGE-RZ-LENS IDEAL: 50-2204-CT + 50-2100AN</p> |  |  |

PHOTOMETRIC DATA (MEASURED):

| | | |
|--|--|---|
| <p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 60.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18</p> |  |  |
| <p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM 66.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.900 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18</p> |  |  |
| <p>bridgelux.</p> <p>LED VERO29</p> <p>FWHM 68.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 0.800 cd/lm</p> <p>Required components: C13584_CLAMP-VERO29</p> |  |  |
| <p>bridgelux.</p> <p>LED VERO29</p> <p>FWHM 69.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 0.700 cd/lm</p> <p>Required components: C13584_CLAMP-VERO29 F13671_ANGE-RZ-LENS</p> |  |  |

PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL03x/CLU03x

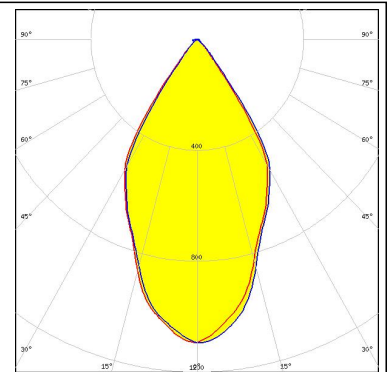
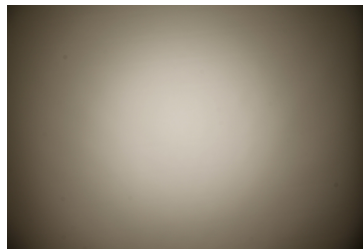
FWHM 59.0°

Efficiency 89 %

Peak intensity 1.100 cd/lm

Required components:

IDEAL: 50-2103CT + 50-2100AN



CITIZEN

LED CLL03x/CLU03x

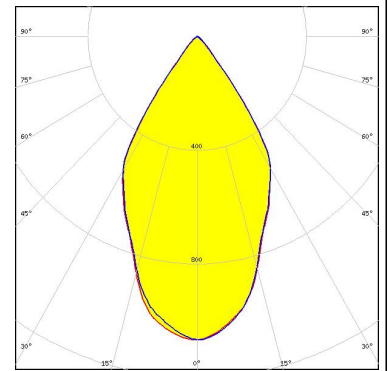
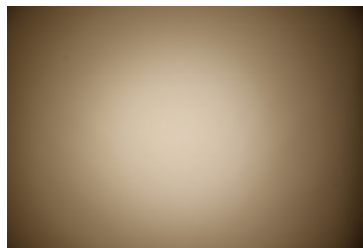
FWHM 61.0°

Efficiency 89 %

Peak intensity 1.100 cd/lm

Required components:

TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



CITIZEN

LED CLL04x/CLU04x

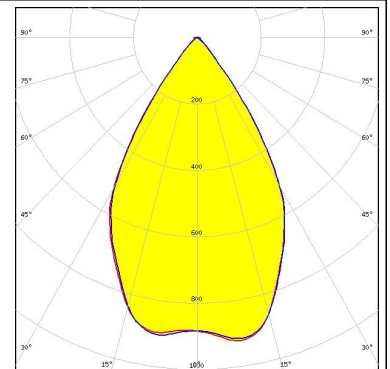
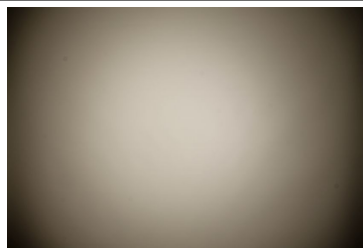
FWHM 63.0°

Efficiency 89 %

Peak intensity 0.930 cd/lm

Required components:

IDEAL: 50-2204-CT + 50-2100AN



CITIZEN

LED CLU730/731

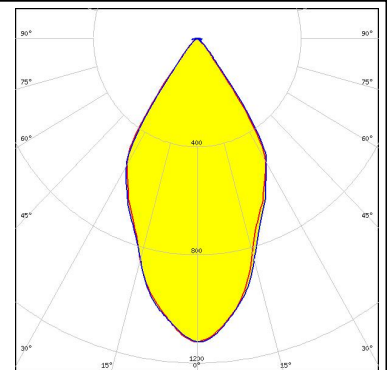
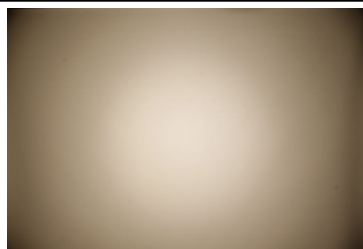
FWHM 57.0°

Efficiency 89 %

Peak intensity 1.100 cd/lm

Required components:

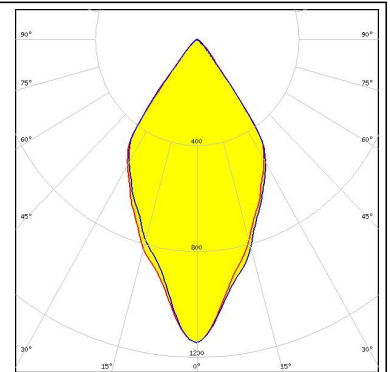
IDEAL: 50-2204-CT + 50-2100AN



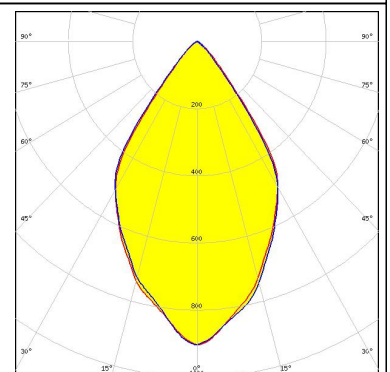
PHOTOMETRIC DATA (MEASURED):



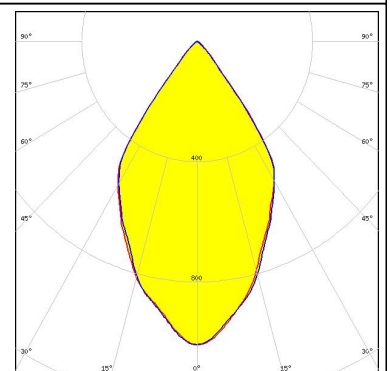
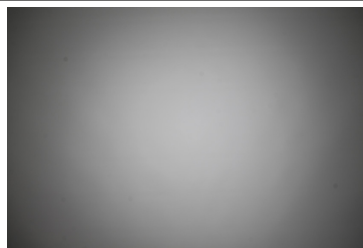
LED CXA/B 15xx
 FWHM 55.0°
 Efficiency 90 %
 Peak intensity 1.100 cd/lm
 Required components:
 C14123_CLAMP-CXA15-18



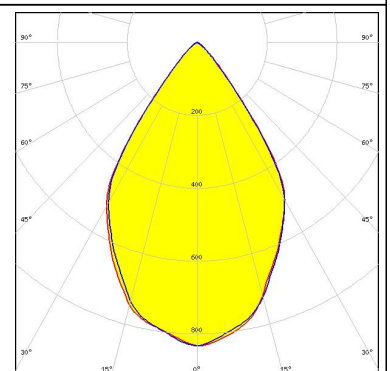
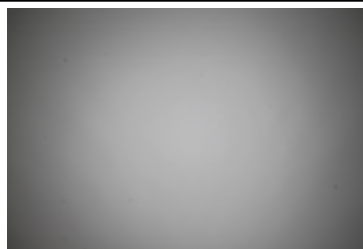
LED CXA/B 15xx
 FWHM 66.0°
 Efficiency 86 %
 Peak intensity 0.900 cd/lm
 Required components:
 C14123_CLAMP-CXA15-18
 F13671_ANGE-RZ-LENS



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 64.0°
 Efficiency 90 %
 Peak intensity 1.000 cd/lm
 Required components:
 C14123_CLAMP-CXA15-18



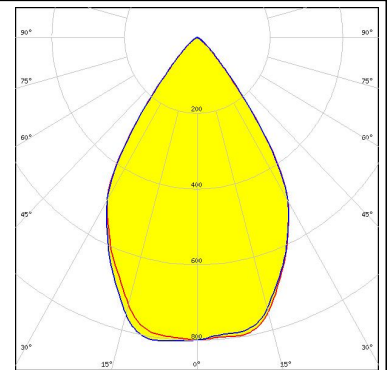
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 68.0°
 Efficiency 86 %
 Peak intensity 0.800 cd/lm
 Required components:
 C14123_CLAMP-CXA15-18
 F13671_ANGE-RZ-LENS



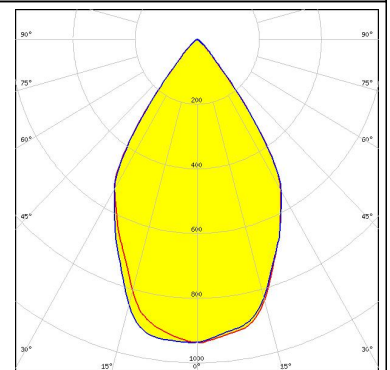
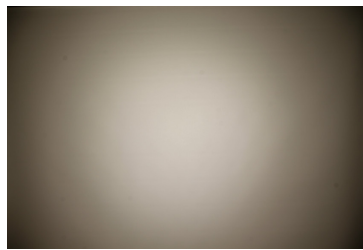
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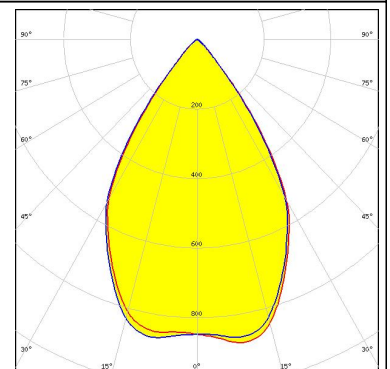
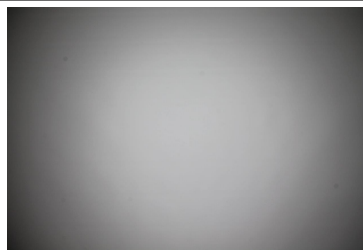
LED CXA/B 25xx
 FWHM 67.0°
 Efficiency 85 %
 Peak intensity 0.800 cd/lm
 Required components:
 C14036_CLAMP_CXA25-30
 F13671_ANGE-RZ-LENS



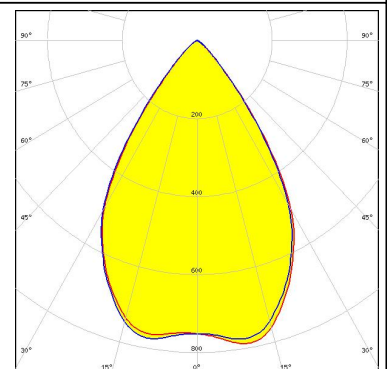
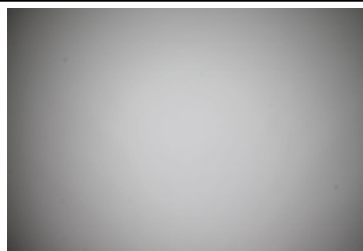
LED CXA/B 25xx
 FWHM 65.0°
 Efficiency 89 %
 Peak intensity 0.900 cd/lm
 Required components:
 C14036_CLAMP_CXA25-30



LED CXA/B 30xx
 FWHM 66.0°
 Efficiency 90 %
 Peak intensity 0.900 cd/lm
 Required components:
 C14036_CLAMP_CXA25-30



LED CXA/B 30xx
 FWHM 67.0°
 Efficiency 86 %
 Peak intensity 0.800 cd/lm
 Required components:
 C14036_CLAMP_CXA25-30
 F13671_ANGE-RZ-LENS



PHOTOMETRIC DATA (MEASURED):



LED LUXEON CoB 1208

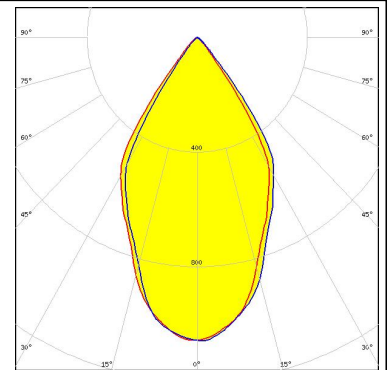
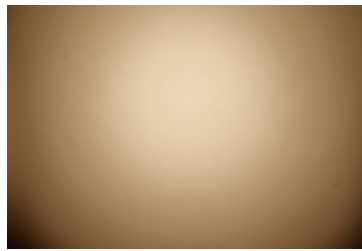
FWHM 61.0°

Efficiency 89 %

Peak intensity 1.100 cd/lm

Required components:

TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED LUXEON CoB 1208

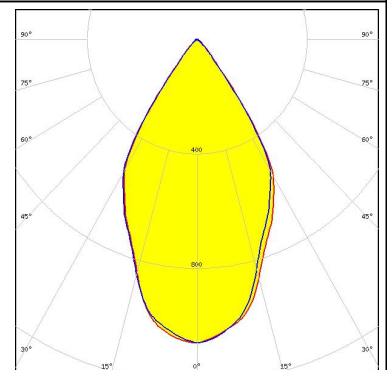
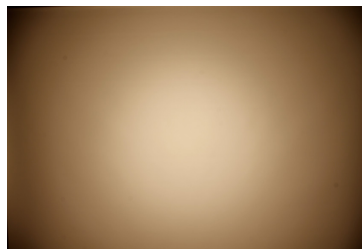
FWHM 61.0°

Efficiency 89 %

Peak intensity 1.100 cd/lm

Required components:

IDEAL: 50-2100SH + 50-2100AN



LED LUXEON CoB 1208

FWHM 64.0°

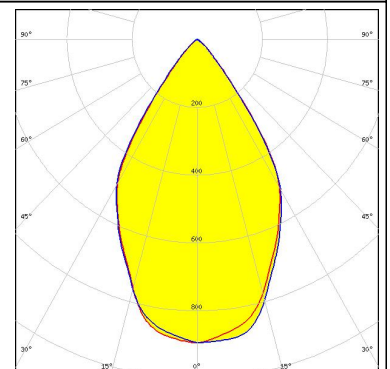
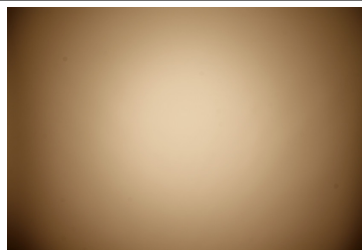
Efficiency 85 %

Peak intensity 0.890 cd/lm

Required components:

F13671_ANGE-RZ-LENS

TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED LUXEON CoB 1208

FWHM 63.0°

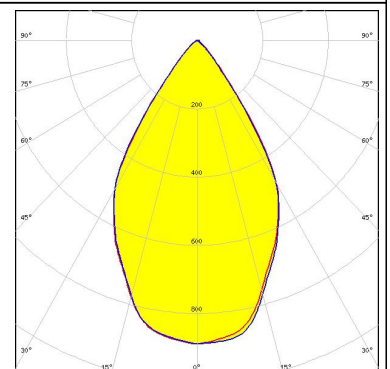
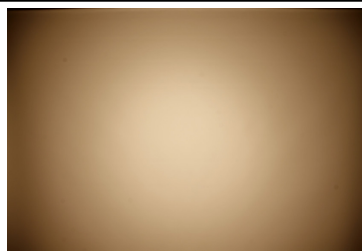
Efficiency 84 %

Peak intensity 0.890 cd/lm

Required components:

F13671_ANGE-RZ-LENS

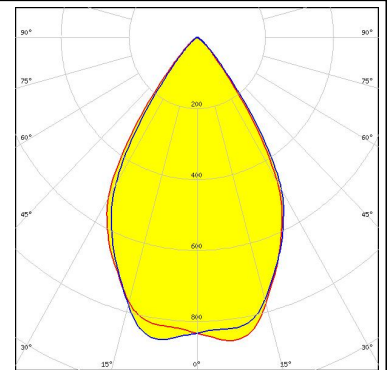
IDEAL: 50-2204-CT + 50-2100AN



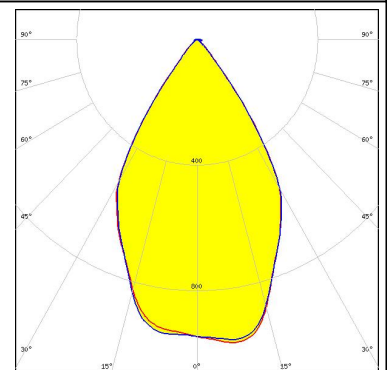
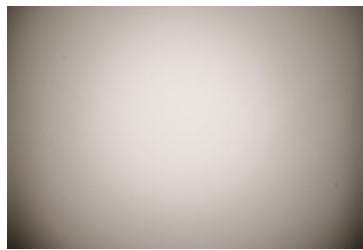
PHOTOMETRIC DATA (MEASURED):



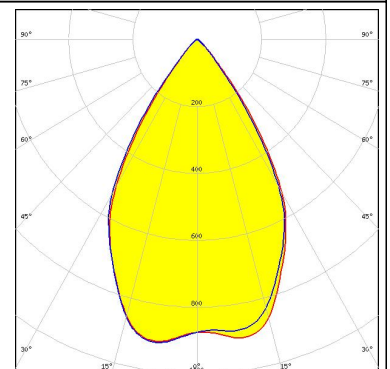
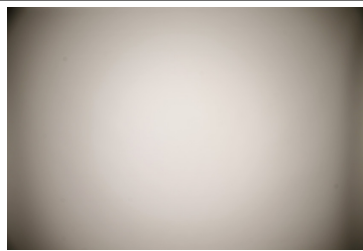
LED LUXEON CoB 1211
 FWHM 64.0°
 Efficiency 85 %
 Peak intensity 0.870 cd/lm
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2204-CT + 50-2100AN



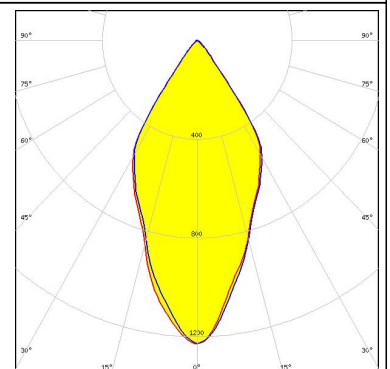
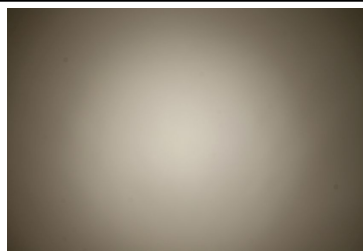
LED LUXEON CoB 1211
 FWHM 63.0°
 Efficiency 89 %
 Peak intensity 0.970 cd/lm
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



LED LUXEON CoB 1216/1812
 FWHM 63.0°
 Efficiency 89 %
 Peak intensity 0.920 cd/lm
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



LED COB L-Type (LES 11)
 FWHM 51.0°
 Efficiency 88 %
 Peak intensity 1.200 cd/lm
 Required components:
 IDEAL: 50-2100NC + 50-2100AN



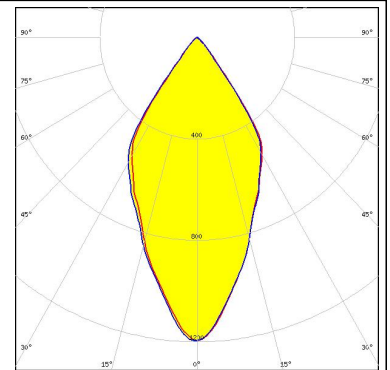
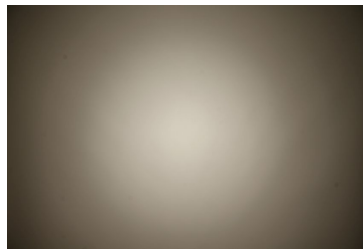
PHOTOMETRIC DATA (MEASURED):



LED COB L-Type (LES 11)
 FWHM 53.0°
 Efficiency 89 %
 Peak intensity 1.200 cd/lm

Required components:

TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1

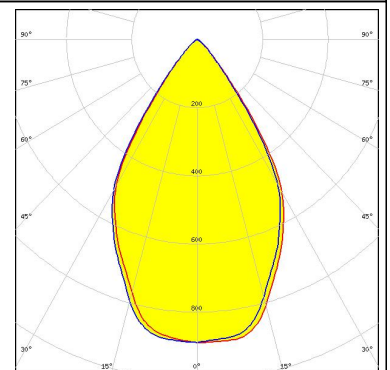


LED PrevaLED Core Z4 LES19
 FWHM 64.0°
 Efficiency 86 %
 Peak intensity 0.900 cd/lm

Required components:

F13671_ANGE-RZ-LENS

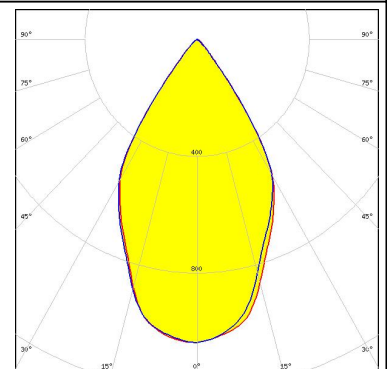
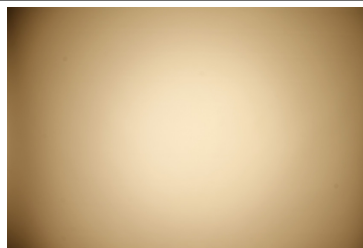
TE: 2213130-2



LED PrevaLED Core Z4 LES19
 FWHM 62.0°
 Efficiency 89 %
 Peak intensity 1.000 cd/lm

Required components:

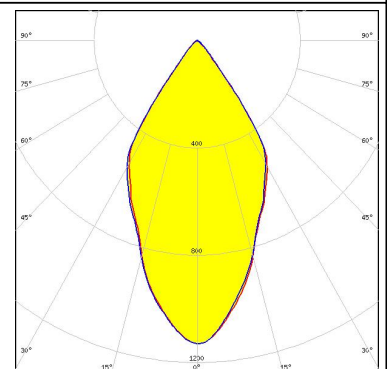
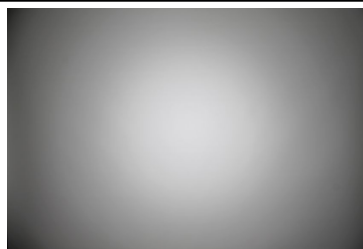
TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED Soleriq S13 Gen2
 FWHM 56.0°
 Efficiency 89 %
 Peak intensity 1.100 cd/lm

Required components:

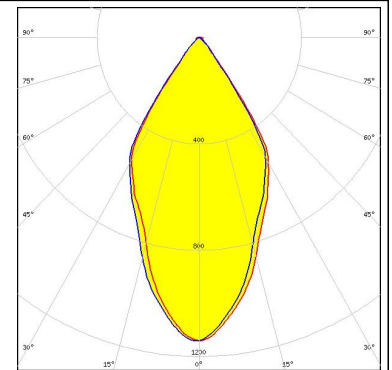
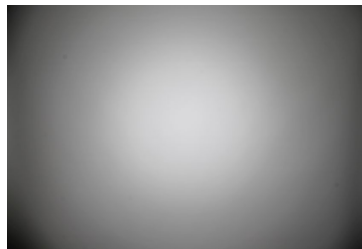
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

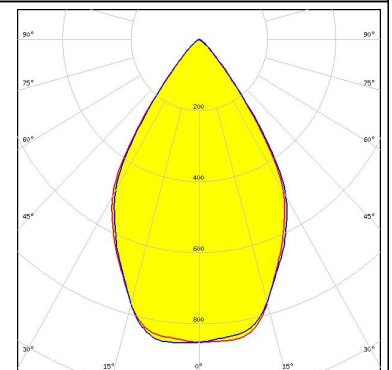
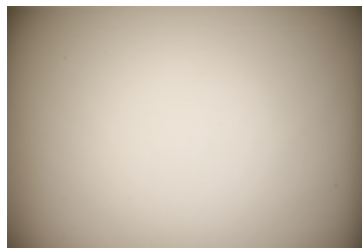
OSRAM
Opto Semiconductors

LED Soleriq S13 Gen2
FWHM 56.0°
Efficiency 88 %
Peak intensity 1.100 cd/lm
Required components:



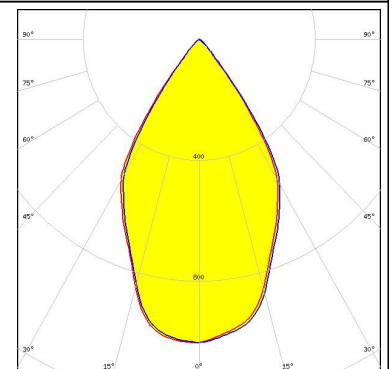
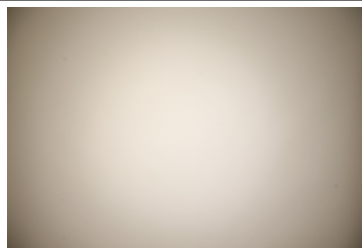
OSRAM
Opto Semiconductors

LED Soleriq S19
FWHM 65.0°
Efficiency 85 %
Peak intensity 0.860 cd/lm
Required components:
F13671_ANGE-RZ-LENS
TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1



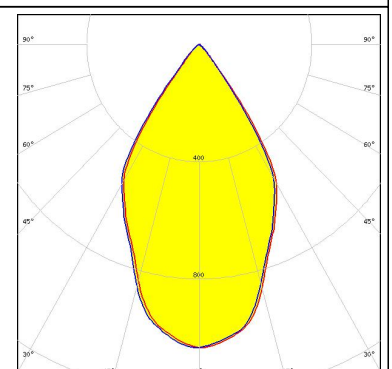
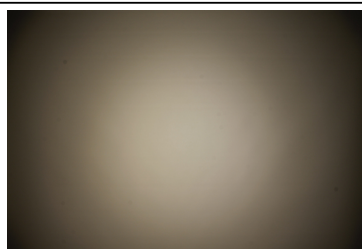
OSRAM
Opto Semiconductors

LED Soleriq S19
FWHM 63.0°
Efficiency 89 %
Peak intensity 1.000 cd/lm
Required components:
TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

LED Fortimo SLM L15 Standard
FWHM 62.0°
Efficiency 89 %
Peak intensity 1.000 cd/lm
Required components:
TE: 2213134-2 + OPTIC CLIP Z50 TYPE1 2213194-1

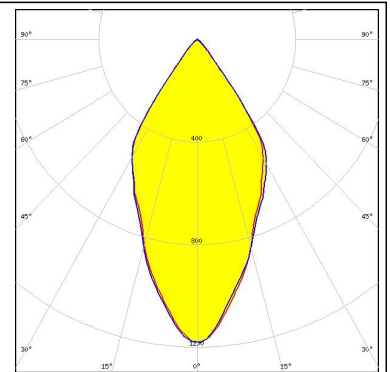


PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LC040C
 FWHM 53.0°
 Efficiency 89 %
 Peak intensity 1.200 cd/lm
 Required components:

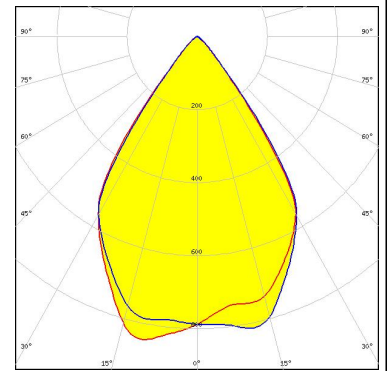
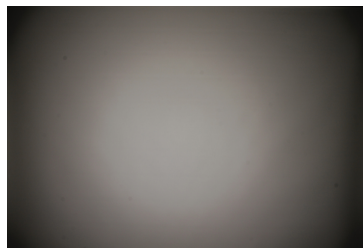
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



SEOUL SEMICONDUCTOR

LED AC Zhaga COB
 FWHM 70.0°
 Efficiency 89 %
 Peak intensity 0.850 cd/lm
 Required components:

Optosource: SEHSMJD-A

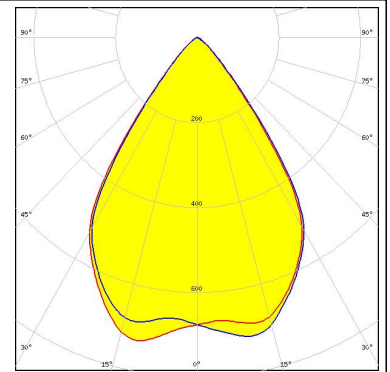
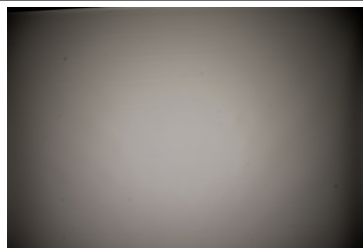


SEOUL SEMICONDUCTOR

LED AC Zhaga COB
 FWHM 71.0°
 Efficiency 85 %
 Peak intensity 0.740 cd/lm
 Required components:

F13671_ANGE-RZ-LENS

Optosource: SEHSMJD-A

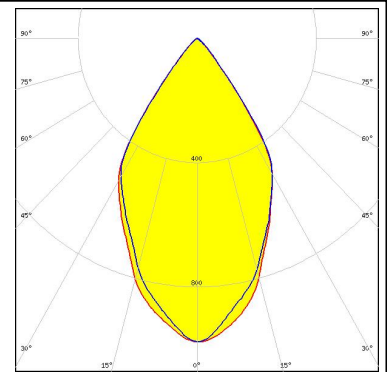
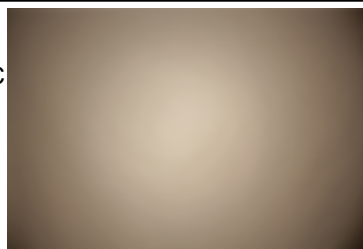


TRIDONIC

LED SLE G1 11mm 1000lm 927 Sunset R EXC
 FWHM 62.0°
 Efficiency 86 %
 Peak intensity 0.980 cd/lm
 Required components:

F13671_ANGE-RZ-LENS

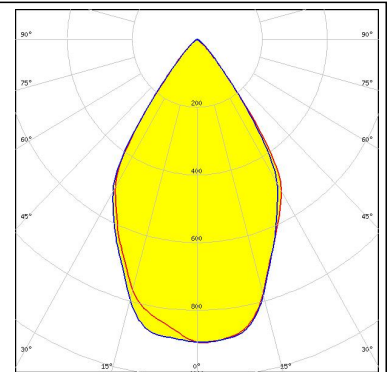
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

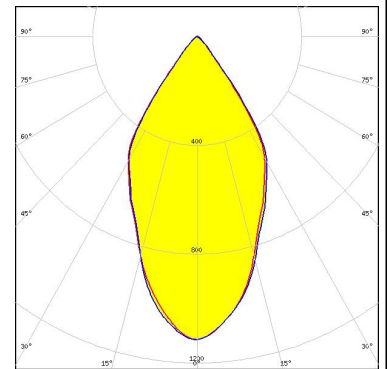
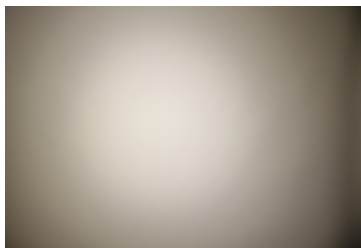
TRIDONIC

LED SLE G1 15mm 2000lm 927 Sunset R EXC
FWHM 65.0°
Efficiency 86 %
Peak intensity 0.910 cd/lm
Required components:
F13671_ANGE-RZ-LENS
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



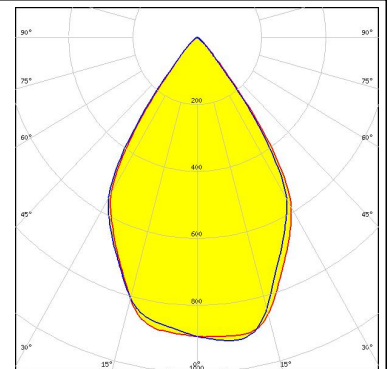
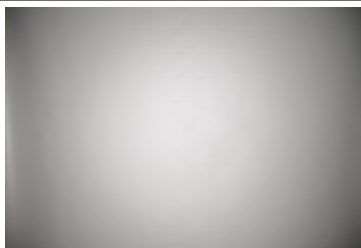
VS LIGHTING SOLUTIONS

LED WU-M-484
FWHM 56.0°
Efficiency 89 %
Peak intensity 1.100 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



XICATO

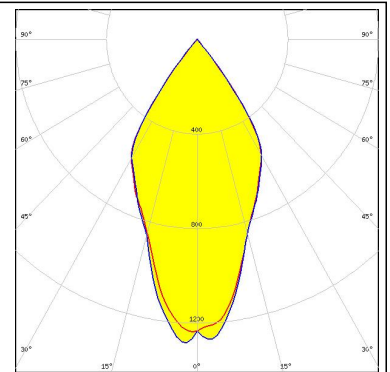
LED XIM - 19mm LES
FWHM 66.0°
Efficiency 90 %
Peak intensity 0.920 cd/lm
Required components:
C16491_XTM-ADAPTER-50-A



PHOTOMETRIC DATA (SIMULATED):

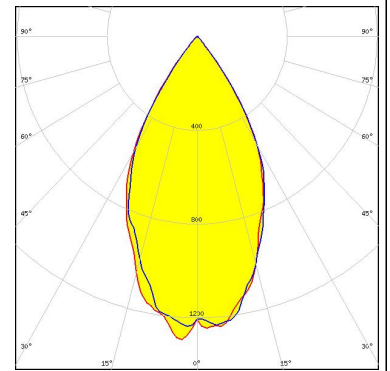
bridgelux.

LED V13 Gen7
FWHM 51.0°
Efficiency 90 %
Peak intensity 1.290 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 477 Typ L1



bridgelux.

LED V22 Gen7
FWHM 55.0°
Efficiency 94 %
Peak intensity 1.345 cd/lm
Required components:
IDEAL: 50-2204-CT + 50-2100AN



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.

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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

Local sales and technical support

www.ledil.com/where_to_buy

Shipping locations

Salo, Finland
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