

ANGELETTE-WW-PLAIN

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

TECHNICAL SPECIFICATIONS:

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

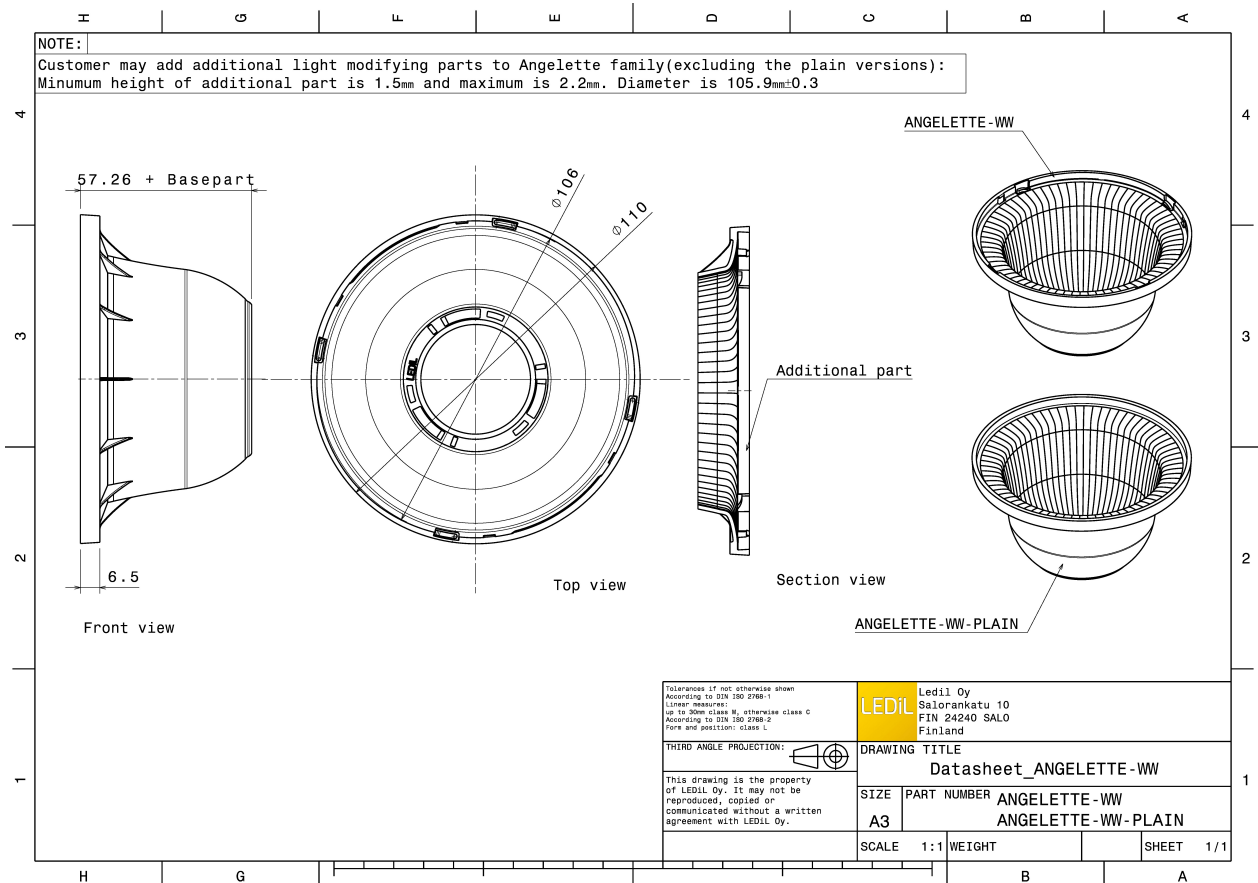
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F14622_ANGELETTE-WW-PLAIN	120	90	30	5.3
» Box size: 398 x 298 x 265 mm				



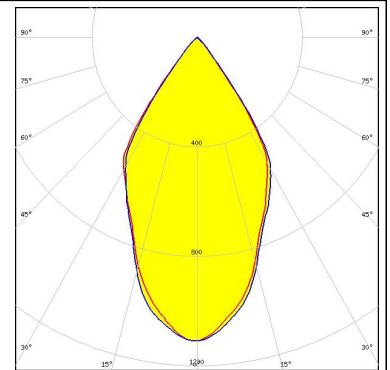
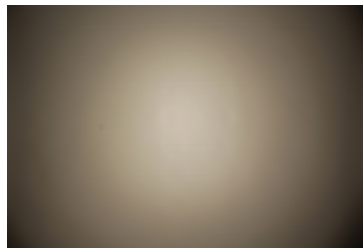


PHOTOMETRIC DATA (MEASURED):



LED V13 Gen7
FWHM 59.0°
Efficiency 90 %
Peak intensity 1.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:

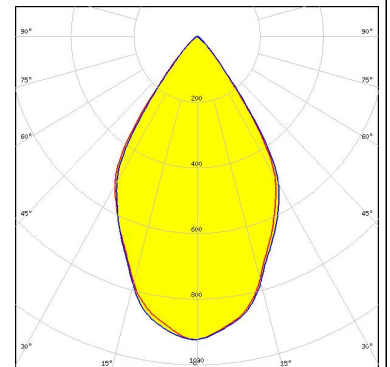
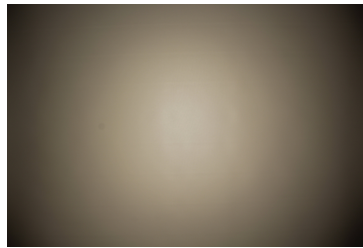
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED V13 Gen7
FWHM 64.0°
Efficiency 86 %
Peak intensity 0.9 cd/Im
LEDs/each optic 1
Light colour White
Required components:

F13671_ANGE-RZ-LENS

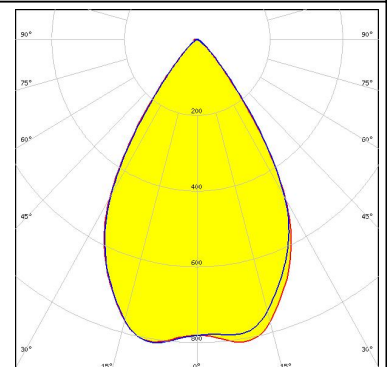
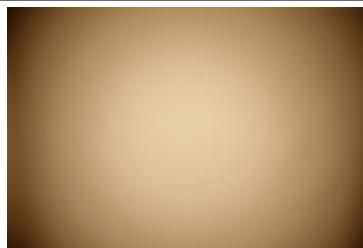
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED V22 Gen6
FWHM 65.0°
Efficiency 85 %
Peak intensity 0.8 cd/Im
LEDs/each optic 1
Light colour White
Required components:

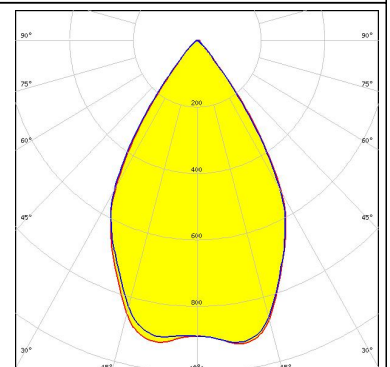
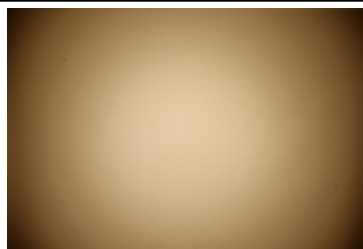
F13671_ANGE-RZ-LENS

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



LED V22 Gen6
FWHM 63.0°
Efficiency 89 %
Peak intensity 0.9 cd/Im
LEDs/each optic 1
Light colour White
Required components:

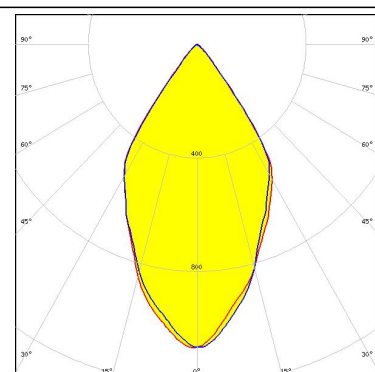
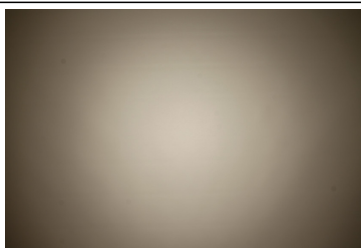
IDEAL: 50-2204-CT + 50-2100AN



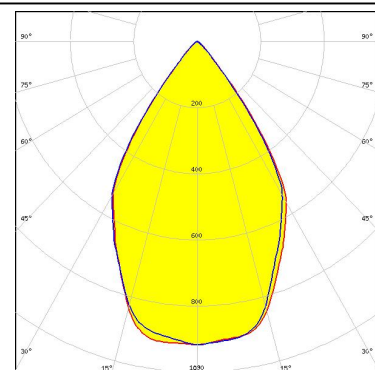
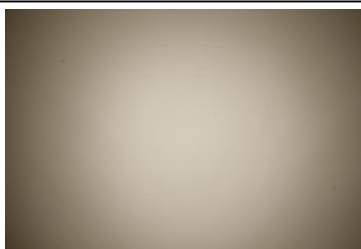
PHOTOMETRIC DATA (MEASURED):



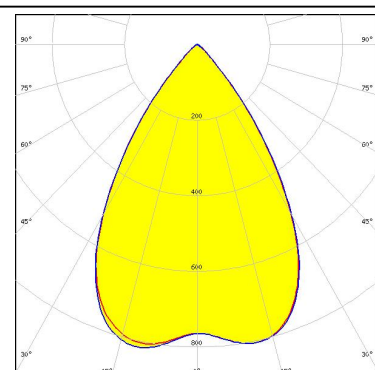
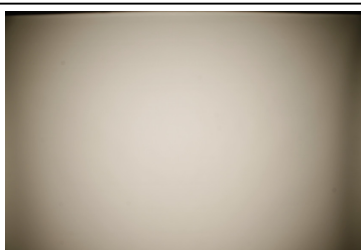
LED VERO13
FWHM 60.0°
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18



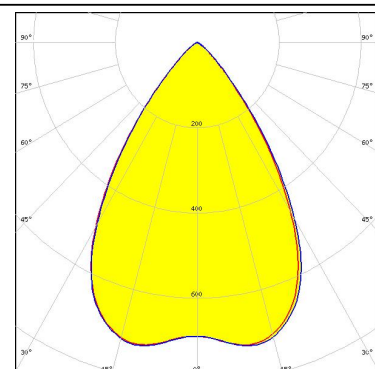
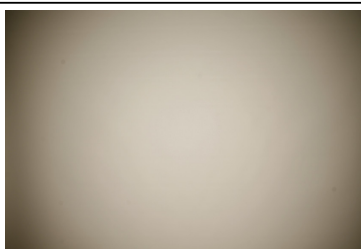
LED VERO18
FWHM 66.0°
Efficiency 89 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18



LED VERO29
FWHM 68.0°
Efficiency 90 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13584_CLAMP-VERO29



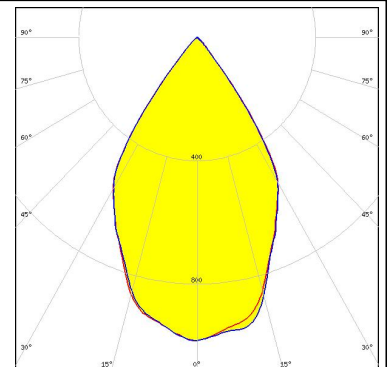
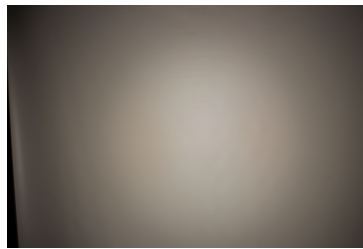
LED VERO29
FWHM 69.0°
Efficiency 85 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13584_CLAMP-VERO29
F13671_ANGE-RZ-LENS



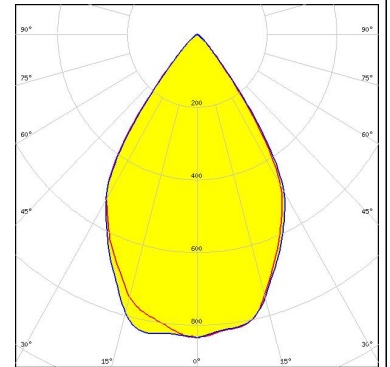
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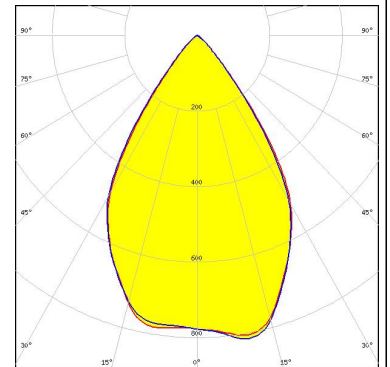
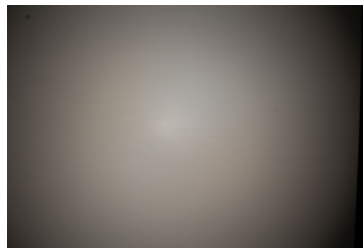
LED Vesta TW 15mm DP
FWHM 65.0°
Efficiency 89 %
Peak intensity 1 cd/Im
LEDs/each optic 1
Light colour Tunable White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 482 Typ L2



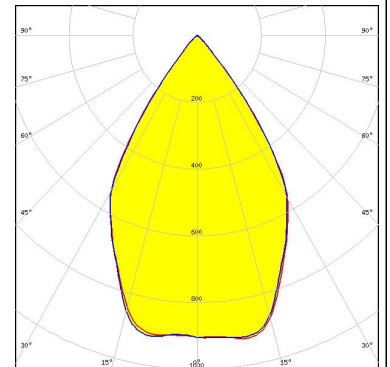
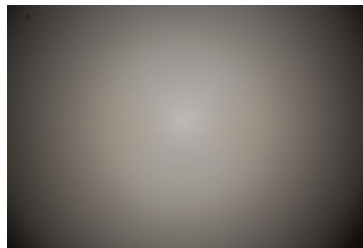
LED Vesta TW 15mm DP
FWHM 66.0°
Efficiency 84 %
Peak intensity 0.8 cd/Im
LEDs/each optic 1
Light colour Tunable White
Required components:
C13658_CLAMP-VERO13-18
F13671_ANGE-RZ-LENS
Bender Wirth: 482 Typ L2



LED Vesta TW 18mm (31W) DP
FWHM 67.0°
Efficiency 84 %
Peak intensity 0.8 cd/Im
LEDs/each optic 1
Light colour Tunable White
Required components:
C13584_CLAMP-VERO29
F13671_ANGE-RZ-LENS
Bender Wirth: 483 Typ L3



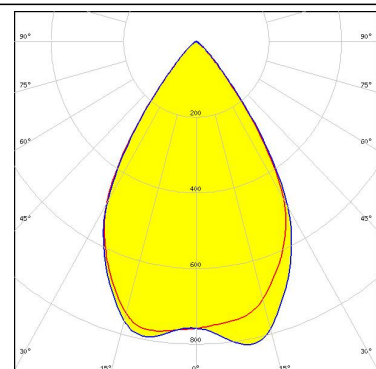
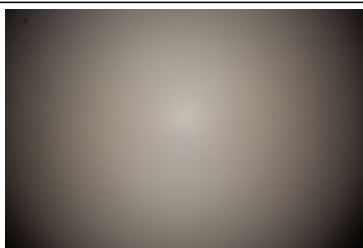
LED Vesta TW 18mm (31W) DP
FWHM 66.0°
Efficiency 89 %
Peak intensity 0.9 cd/Im
LEDs/each optic 1
Light colour Tunable White
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 483 Typ L3



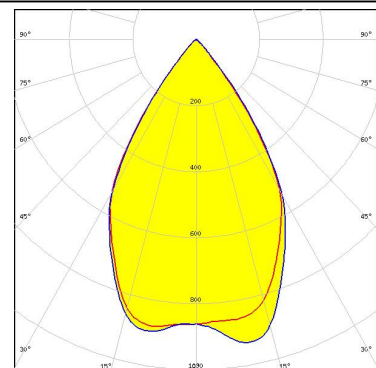
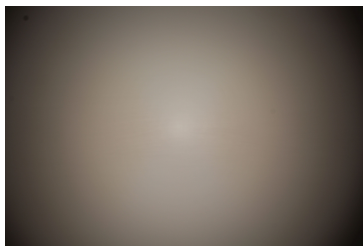
PHOTOMETRIC DATA (MEASURED):



LED Vesta TW 22mm DP
FWHM 66.0°
Efficiency 84 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
C13584_CLAMP-VERO29
F13671_ANGE-RZ-LENS
Bender Wirth: 494 Typ L3

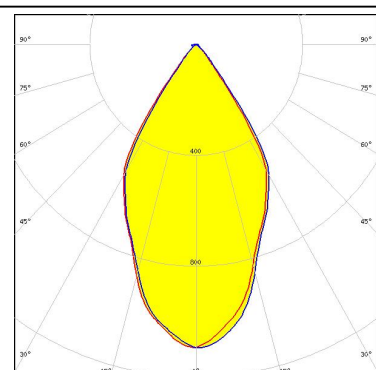
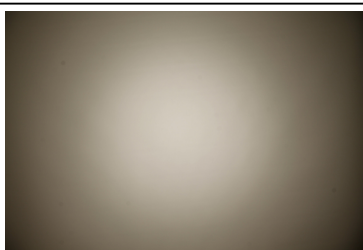


LED Vesta TW 22mm DP
FWHM 65.0°
Efficiency 88 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 494 Typ L3



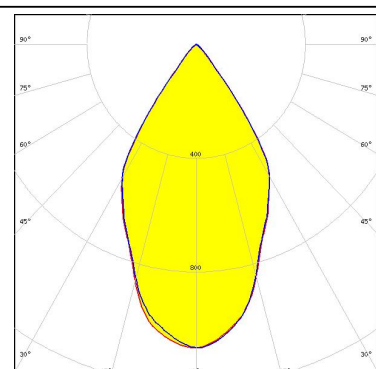
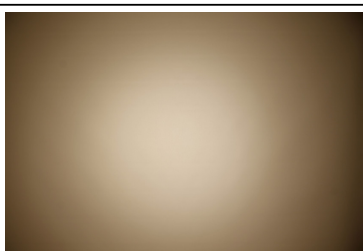
CITIZEN

LED CLL03x/CLU03x
FWHM 59.0°
Efficiency 89 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2103CT + 50-2100AN



CITIZEN

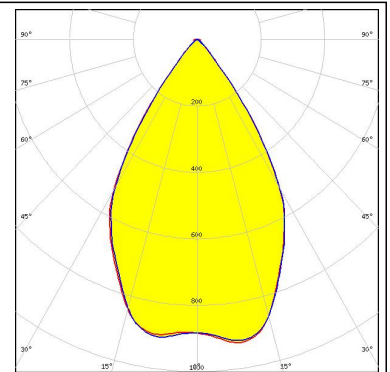
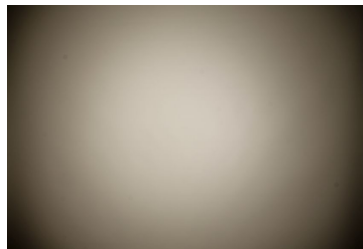
LED CLL03x/CLU03x
FWHM 61.0°
Efficiency 89 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

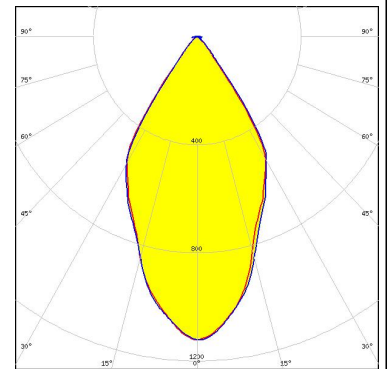
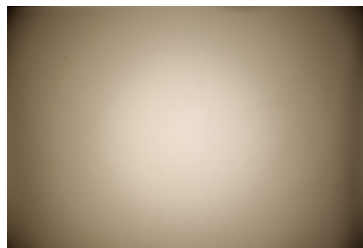
CITIZEN

LED CLL04x/CLU04x
FWHM 63.0°
Efficiency 89 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2204-CT + 50-2100AN



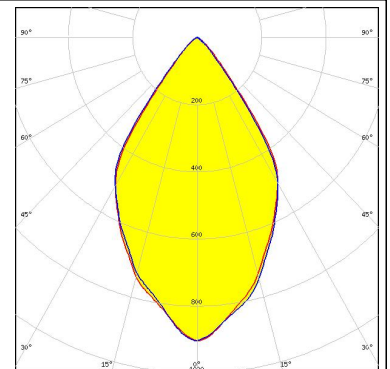
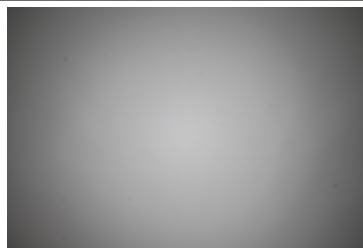
CITIZEN

LED CLU730/731
FWHM 57.0°
Efficiency 89 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2204-CT + 50-2100AN



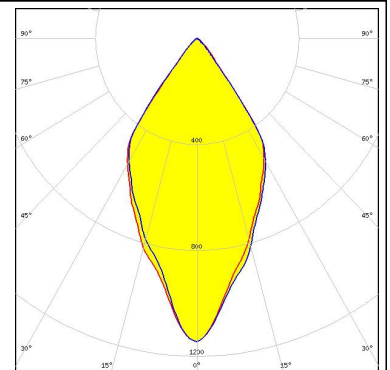
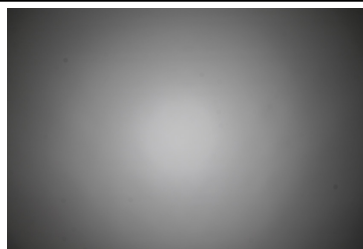
CREE

LED CXA/B 15xx
FWHM 66.0°
Efficiency 86 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18
F13671_ANGE-RZ-LENS



CREE

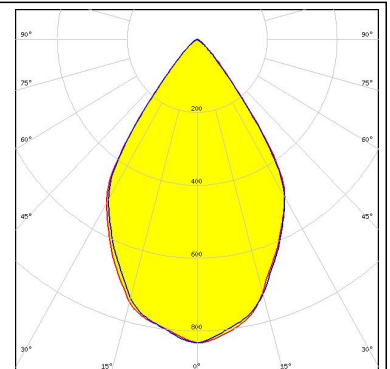
LED CXA/B 15xx
FWHM 55.0°
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



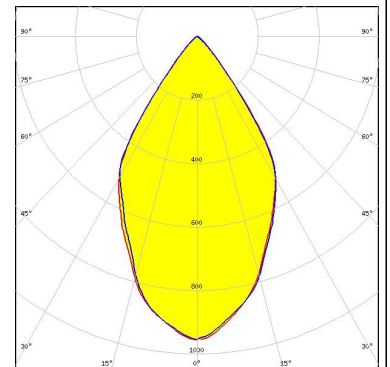
PHOTOMETRIC DATA (MEASURED):



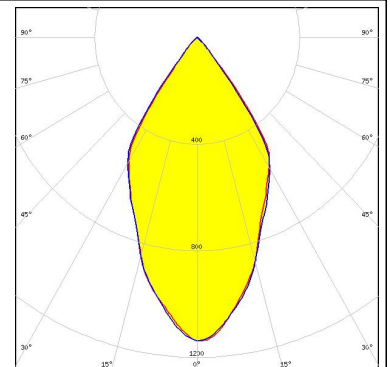
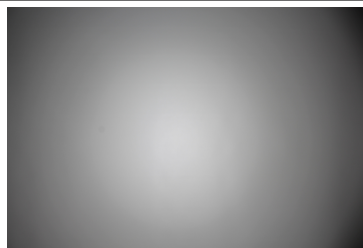
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 68.0°
 Efficiency 86 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14123_CLAMP-CXA15-18
 F13671_ANGE-RZ-LENS



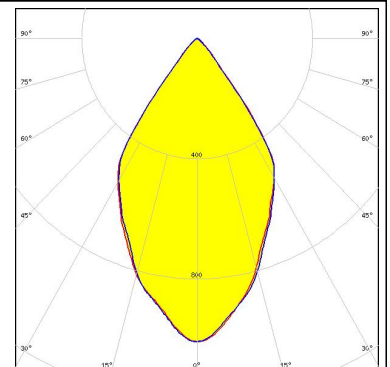
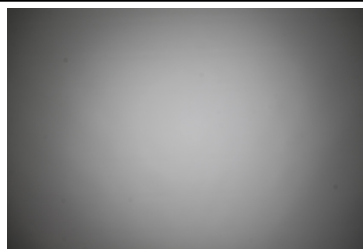
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 63.0°
 Efficiency 86 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 58.0°
 Efficiency 90 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



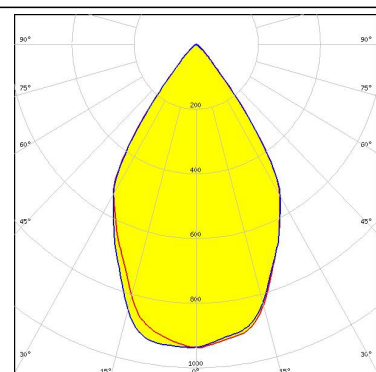
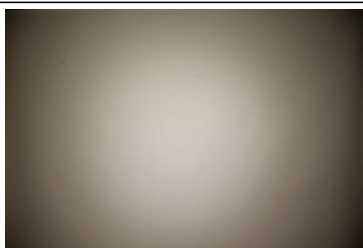
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 64.0°
 Efficiency 90 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14123_CLAMP-CXA15-18



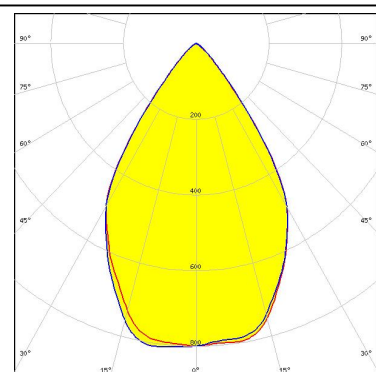
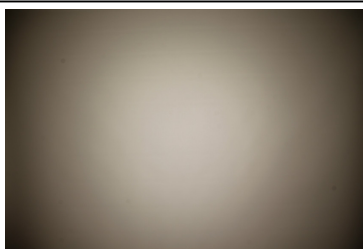
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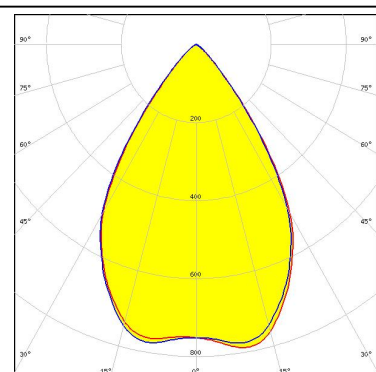
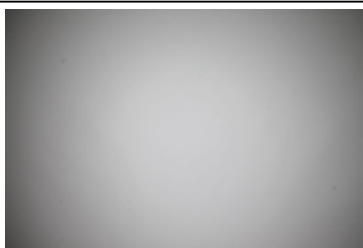
LED CXA/B 25xx
FWHM 65.0°
Efficiency 89 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30



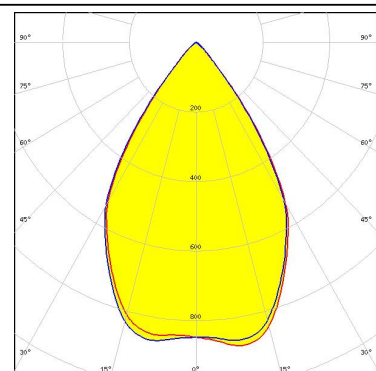
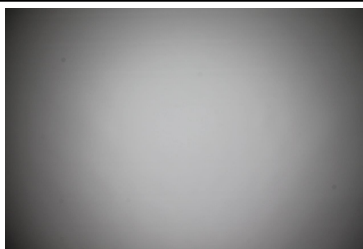
LED CXA/B 25xx
FWHM 67.0°
Efficiency 85 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30
F13671_ANGE-RZ-LENS



LED CXA/B 30xx
FWHM 67.0°
Efficiency 86 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30
F13671_ANGE-RZ-LENS



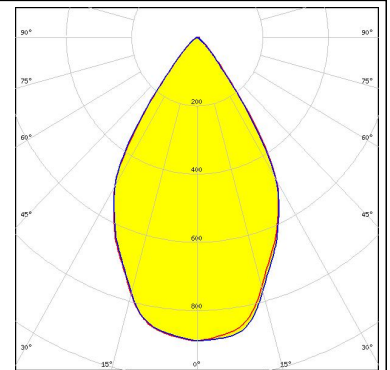
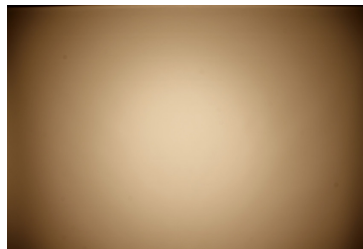
LED CXA/B 30xx
FWHM 66.0°
Efficiency 90 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30



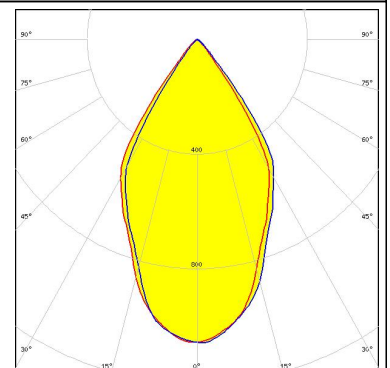
PHOTOMETRIC DATA (MEASURED):



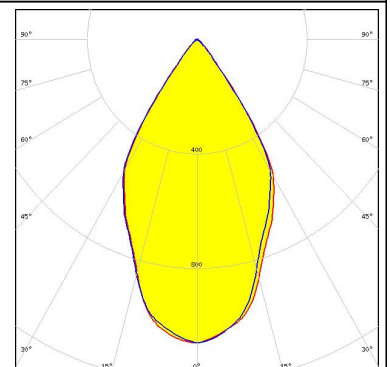
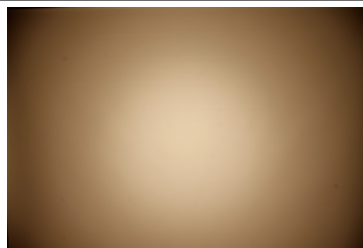
LED LUXEON CoB 1208
 FWHM 63.0°
 Efficiency 84 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2204-CT + 50-2100AN



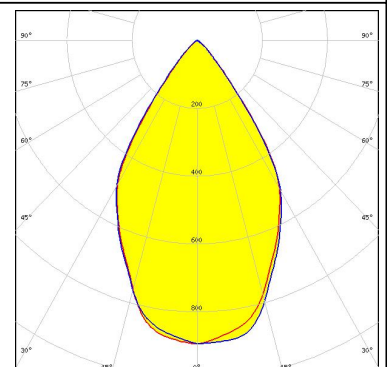
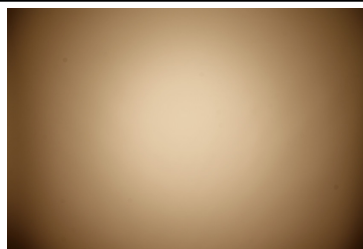
LED LUXEON CoB 1208
 FWHM 61.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED LUXEON CoB 1208
 FWHM 61.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100SH + 50-2100AN



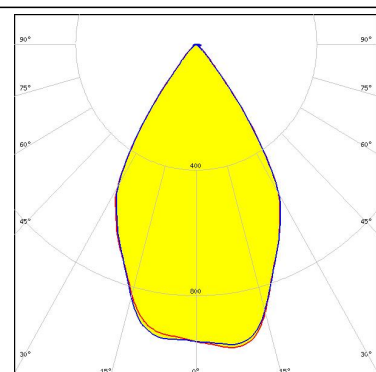
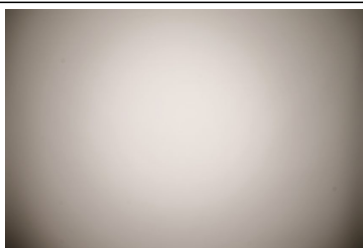
LED LUXEON CoB 1208
 FWHM 64.0°
 Efficiency 85 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



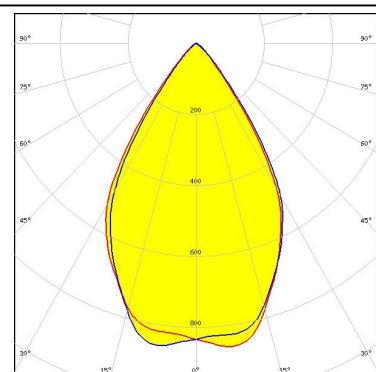
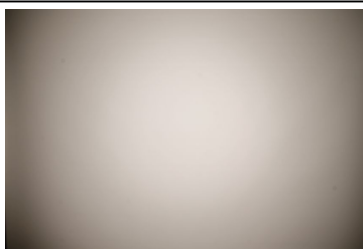
PHOTOMETRIC DATA (MEASURED):



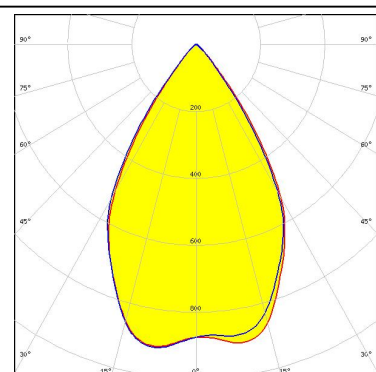
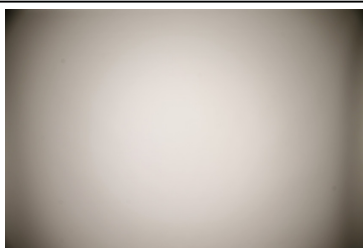
LED LUXEON CoB 1211
 FWHM 63.0°
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



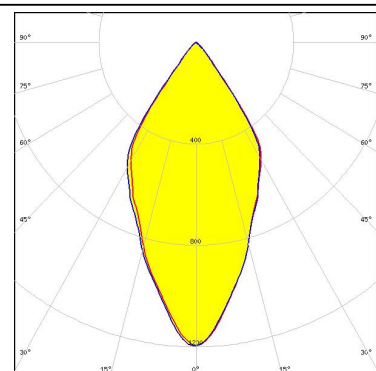
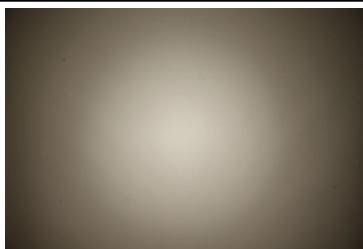
LED LUXEON CoB 1211
 FWHM 64.0°
 Efficiency 85 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2204-CT + 50-2100AN



LED LUXEON CoB 1216/1812
 FWHM 63.0°
 Efficiency 89 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



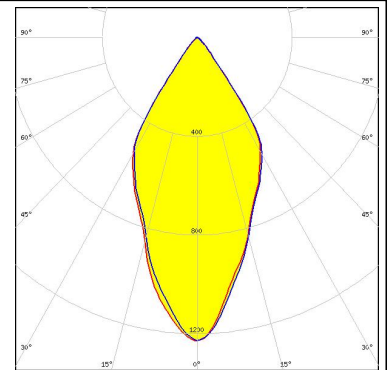
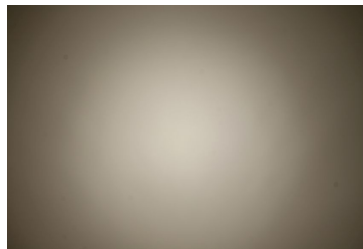
LED COB L-Type (LES 11)
 FWHM 53.0°
 Efficiency 89 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

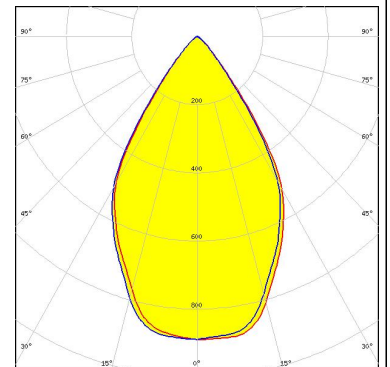


LED COB L-Type (LES 11)
 FWHM 51.0°
 Efficiency 88 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100NC + 50-2100AN



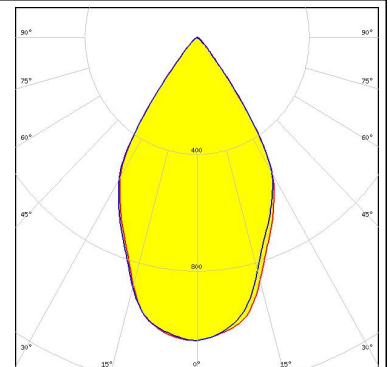
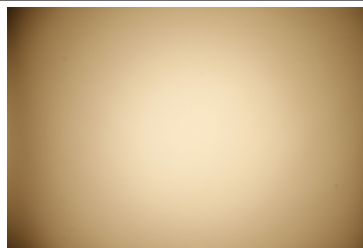
OSRAM

LED PrevaLED Core Z4 LES19
 FWHM 64.0°
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 TE: 2213130-2



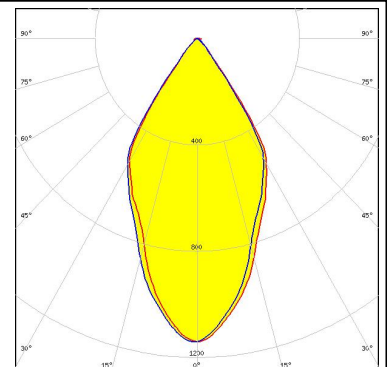
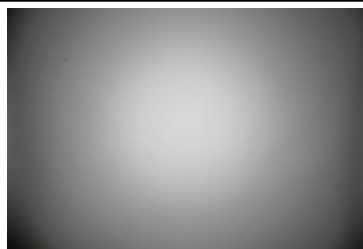
OSRAM

LED PrevaLED Core Z4 LES19
 FWHM 62.0°
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



OSRAM

Opto Semiconductors
 LED Soleriq S13 19x19
 FWHM 56.0°
 Efficiency 88 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2103CT + 50-2100AN



PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

LED Soleriq S13 19x19

FWHM 56.0°

Efficiency 89 %

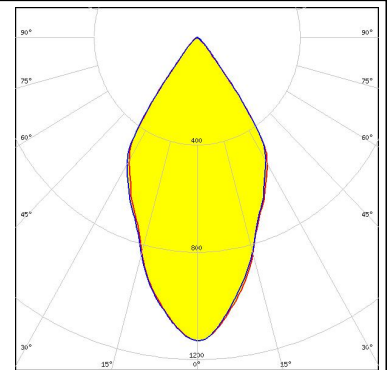
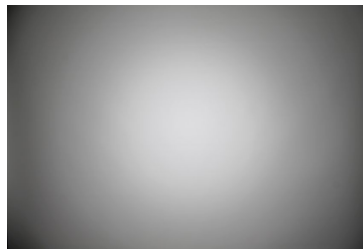
Peak intensity 1.1 cd/lm

LEDs/each optic 1

Light colour White

Required components:

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



OSRAM

Opto Semiconductors

LED Soleriq S19

FWHM 63.0°

Efficiency 89 %

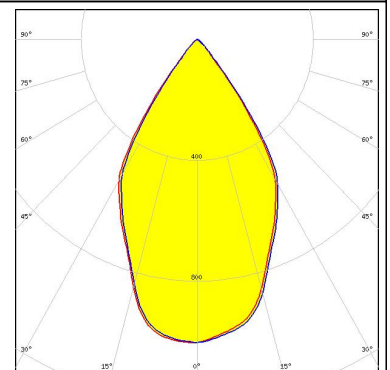
Peak intensity 1 cd/lm

LEDs/each optic 1

Light colour White

Required components:

TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1



OSRAM

Opto Semiconductors

LED Soleriq S19

FWHM 65.0°

Efficiency 85 %

Peak intensity 0.9 cd/lm

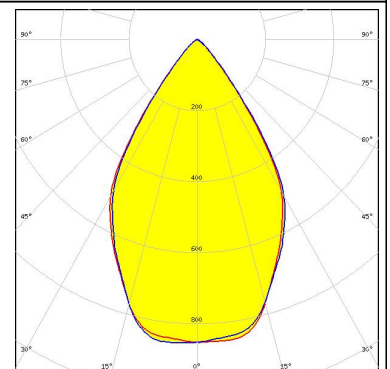
LEDs/each optic 1

Light colour White

Required components:

F13671_ANGE-RZ-LENS

TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

LED Fortimo SLM L15 + SLM holder

FWHM 62.0°

Efficiency 89 %

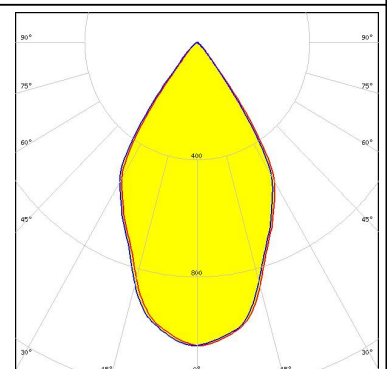
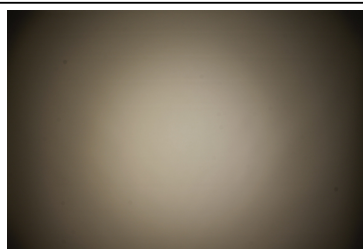
Peak intensity 1 cd/lm

LEDs/each optic 1

Light colour White

Required components:

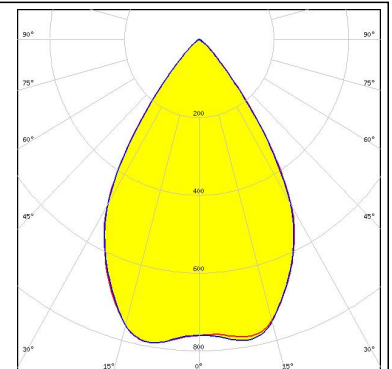
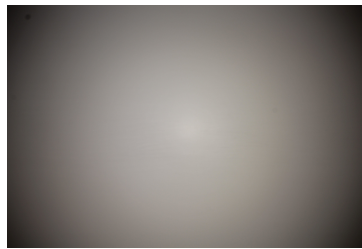
TE: 2213134-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

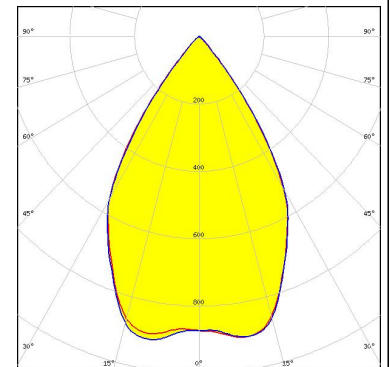
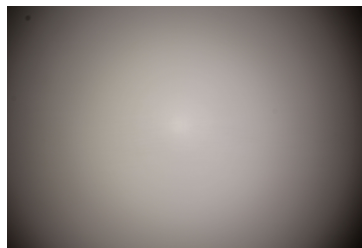
SAMSUNG

LED LC035T (Tunable white)
 FWHM 66.0°
 Efficiency 84 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 502 Typ L3



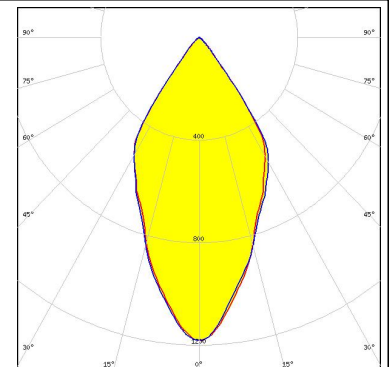
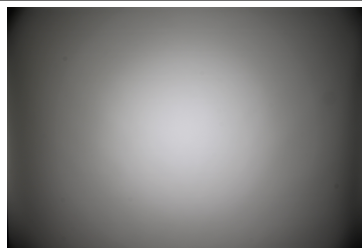
SAMSUNG

LED LC035T (Tunable white)
 FWHM 65.0°
 Efficiency 89 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 502 Typ L3



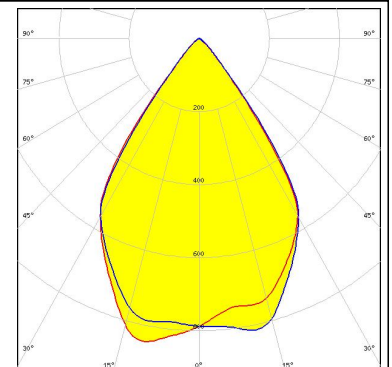
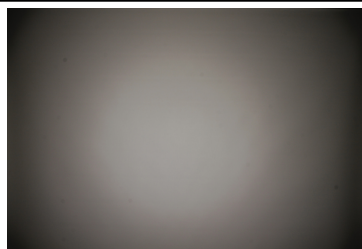
SAMSUNG

LED LC040C
 FWHM 53.0°
 Efficiency 89 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



SEOUL SEMICONDUCTOR

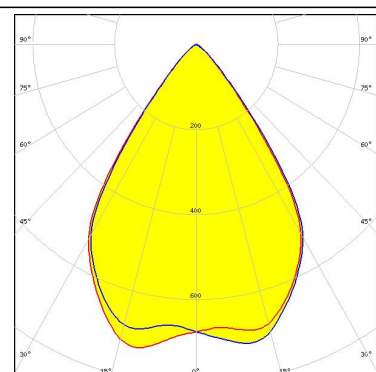
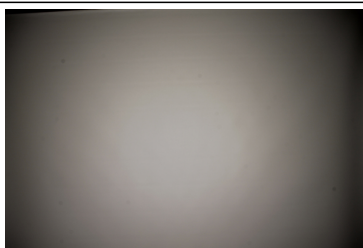
LED AC Zhaga COB
 FWHM 70.0°
 Efficiency 89 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Optosource: SEHSMJD-A



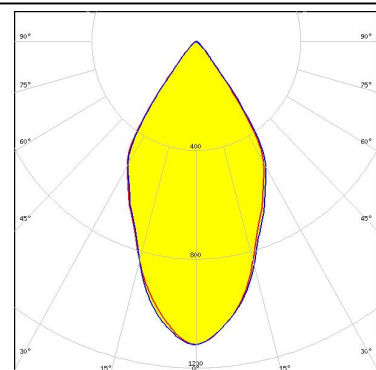
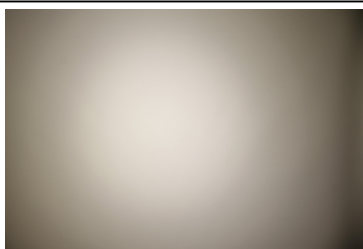
PHOTOMETRIC DATA (MEASURED):



LED AC Zhaga COB
FWHM 71.0°
Efficiency 85 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
Optosource: SEHSMJD-A

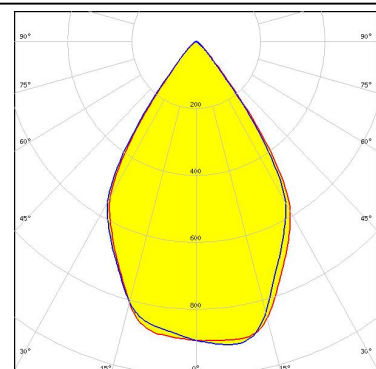
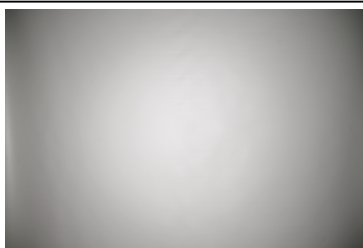


LED WU-M-484
FWHM 56.0°
Efficiency 89 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



XICATO

LED XIM - 19mm LES
FWHM 66.0°
Efficiency 90 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16491_XTM-ADAPTER-50-A

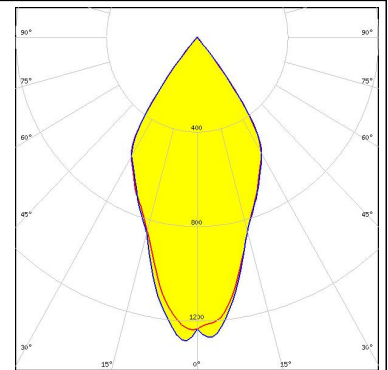


PHOTOMETRIC DATA (SIMULATED):



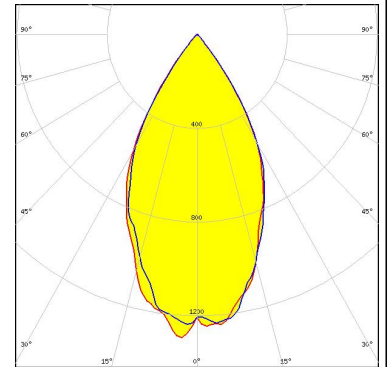
LED V13 Gen7
FWHM 51.0°
Efficiency 90 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 477 Typ L1



LED V22 Gen7
FWHM 55.0°
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

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.

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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