


ANGELETTE-WAS

Asymmetric wall-washer beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 97.2 x 83.4 mm
Height	84.1 mm
Fastening	socket
ROHS compliant	yes 

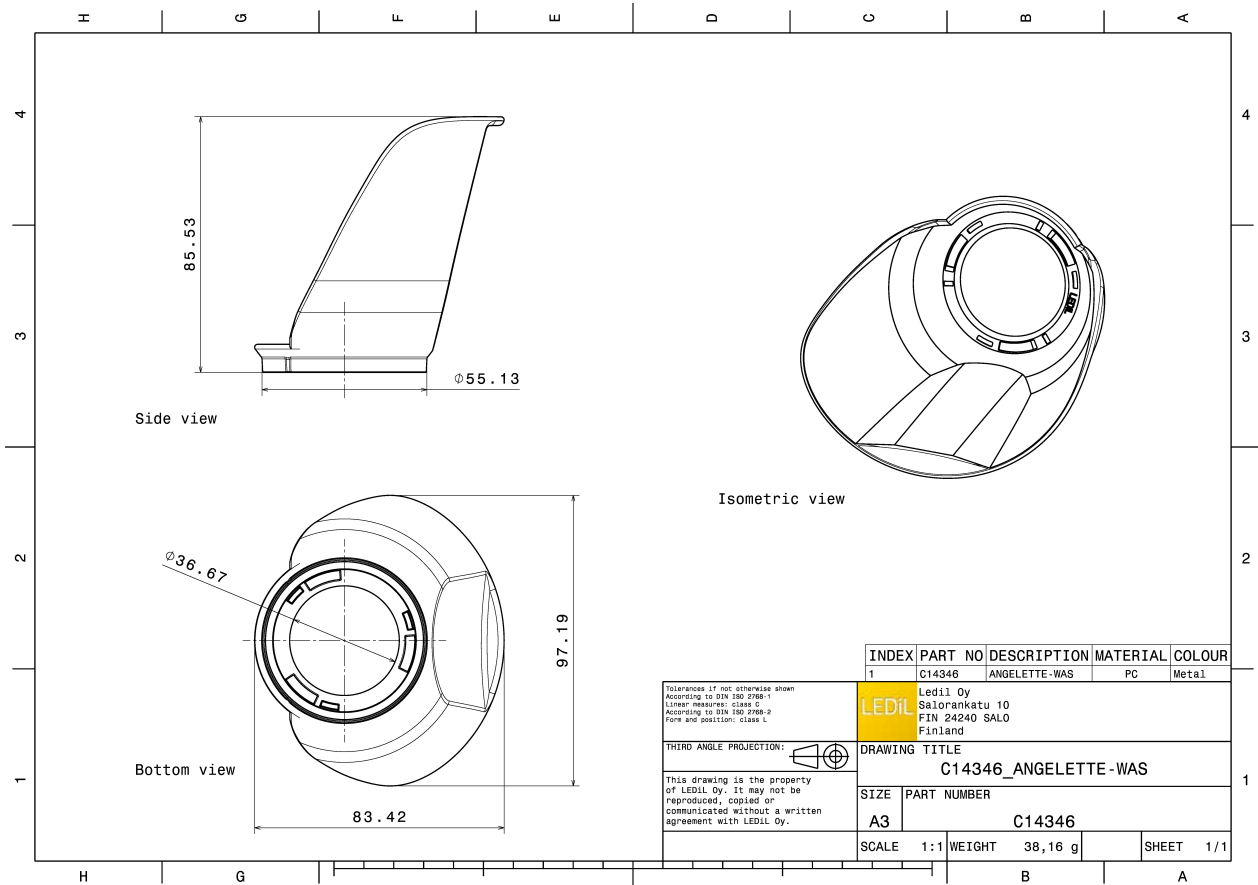
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish	Coating
ANGELETTE-WAS	Reflector	PC	metal		lacquer



ORDERING INFORMATION:

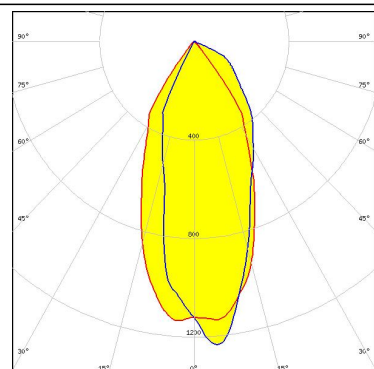
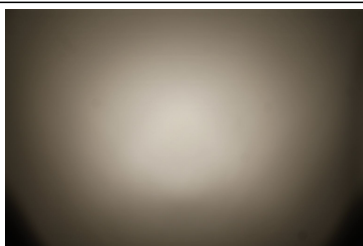
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14346_ANGELETTE-WAS » Box size: 480 x 280 x 300 mm	90			5.4



PHOTOMETRIC DATA (MEASURED):

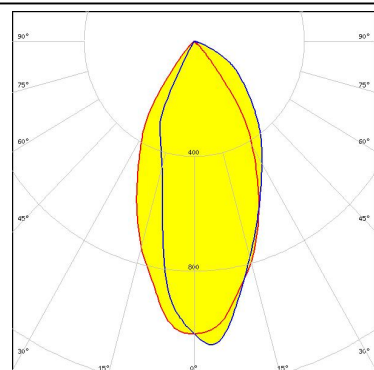
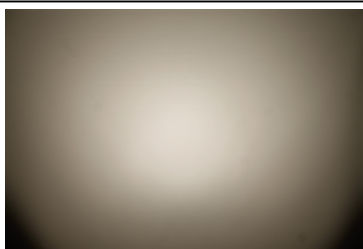
bridgelux.

LED V10 Gen7
FWHM Asymmetric
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



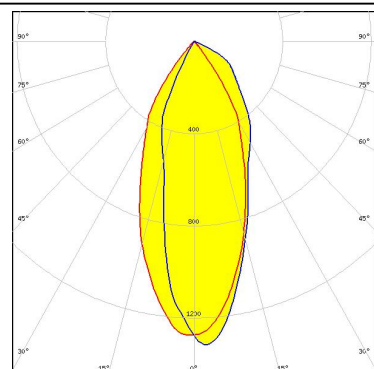
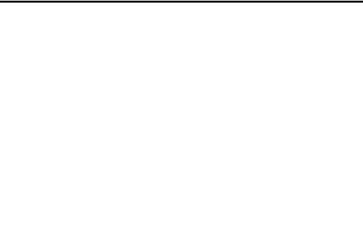
bridgelux.

LED V10 Gen7
FWHM Asymmetric
Efficiency 86 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13584_CLAMP-VERO29
F13671_ANGE-RZ-LENS
Bender Wirth: 434 Typ L1



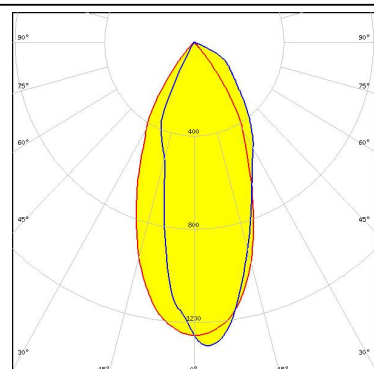
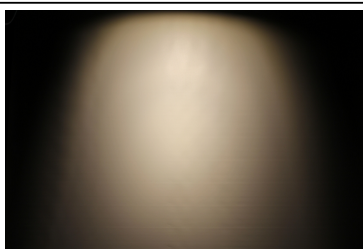
bridgelux.

LED V13 Gen7
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



bridgelux.

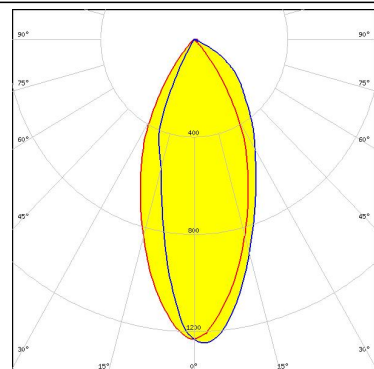
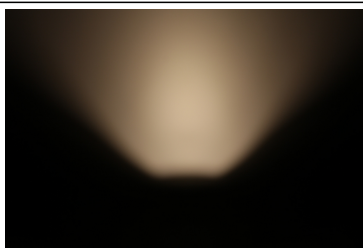
LED V15 Gen6
FWHM Asymmetric
Efficiency 93 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 456 Typ L2



PHOTOMETRIC DATA (MEASURED):

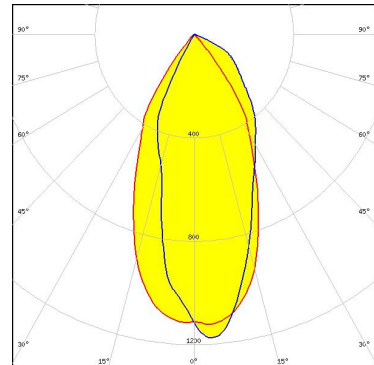
bridgelux.

LED V22 Gen6
FWHM Asymmetric
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2204-CT + 50-2100AN



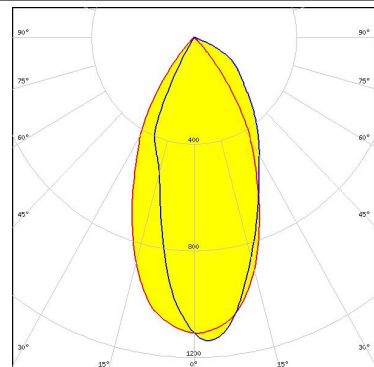
bridgelux.

LED Vero SE 13
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16402_CLAMP-VEROSE-13-18



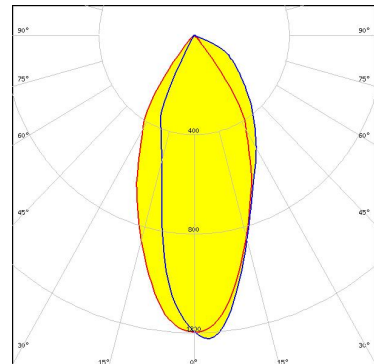
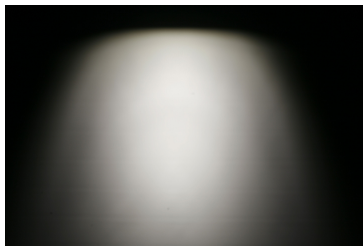
bridgelux.

LED Vero SE 18
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16402_CLAMP-VEROSE-13-18



bridgelux.

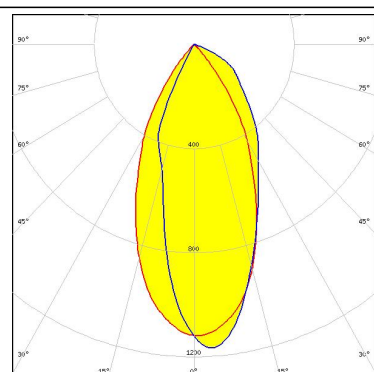
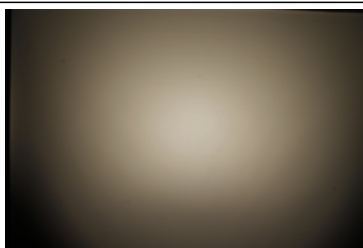
LED VERO13
FWHM Asymmetric
Efficiency 92 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18



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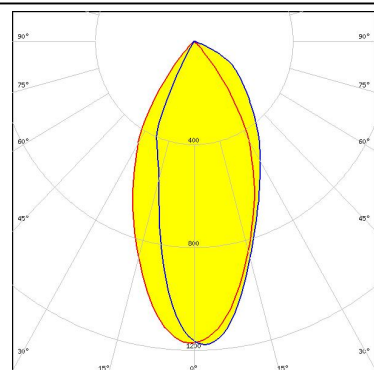
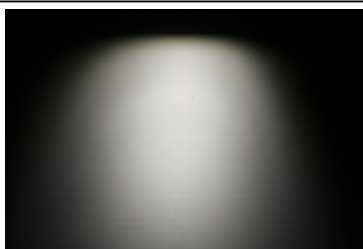
bridgelux.

LED VERO18
FWHM Asymmetric
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18



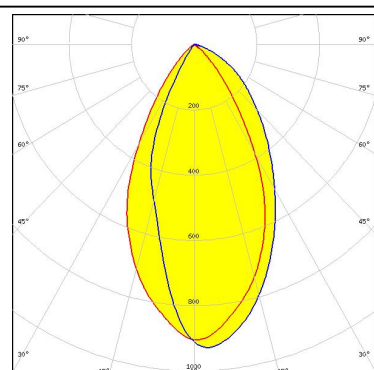
bridgelux.

LED VERO18
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18



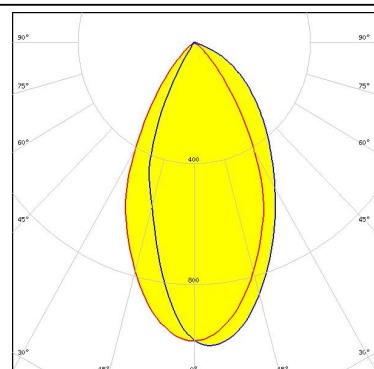
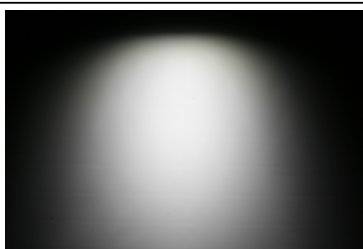
bridgelux.

LED VERO29
FWHM Asymmetric
Efficiency 85 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13584_CLAMP-VERO29
F13671_ANGE-RZ-LENS



bridgelux.

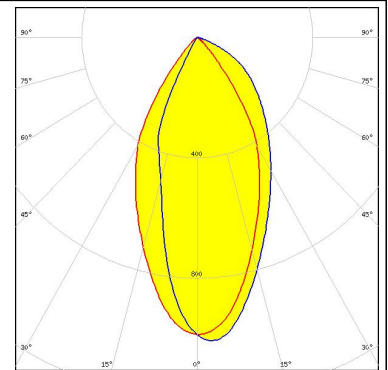
LED VERO29
FWHM Asymmetric
Efficiency 92 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13584_CLAMP-VERO29



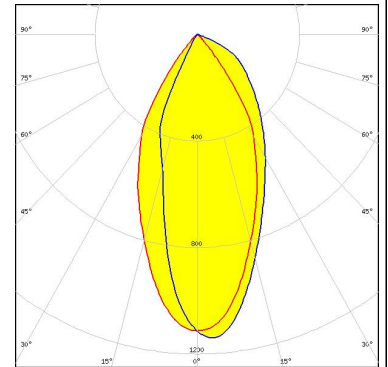
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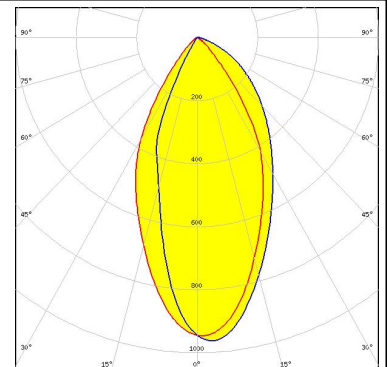
LED Vesta TW 15mm DP
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 1 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 482 Typ L2



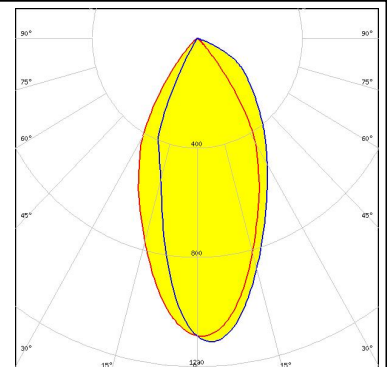
LED Vesta TW 15mm DP
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 1.1 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 482 Typ L2



LED Vesta TW 18mm (31W) DP
 FWHM Asymmetric
 Efficiency 86 %
 Peak intensity 1 cd/Im
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 483 Typ L3



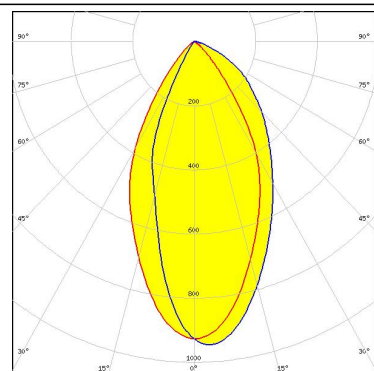
LED Vesta TW 18mm (31W) DP
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 1.1 cd/Im
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 483 Typ L3



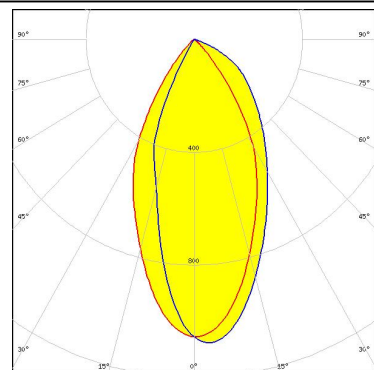
PHOTOMETRIC DATA (MEASURED):



LED Vesta TW 22mm DP
 FWHM Asymmetric
 Efficiency 87 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 494 Typ L3

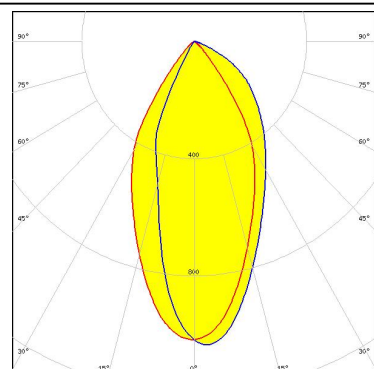
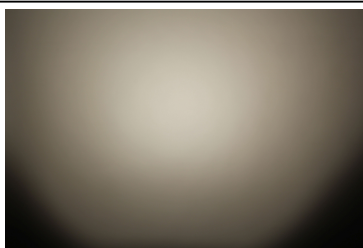


LED Vesta TW 22mm DP
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 494 Typ L3



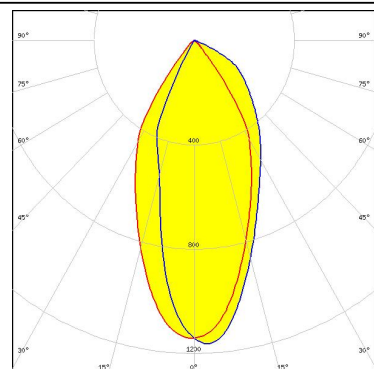
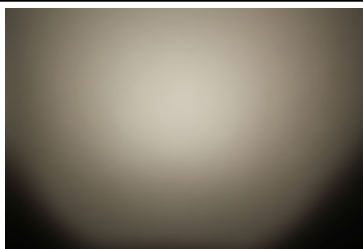
CITIZEN

LED CLL03x/CLU03x
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16791_CLAMP-Z45-A
 F13671_ANGE-RZ-LENS
 TE: 2325807-3



CITIZEN

LED CLL03x/CLU03x
 FWHM Asymmetric
 Efficiency 93 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16791_CLAMP-Z45-A
 TE: 2325807-3

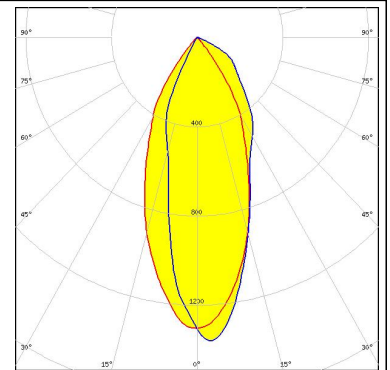
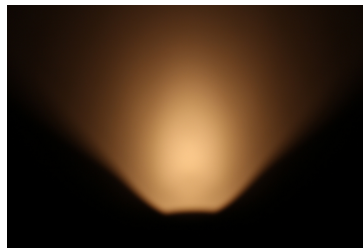


PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL03x/CLU03x
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

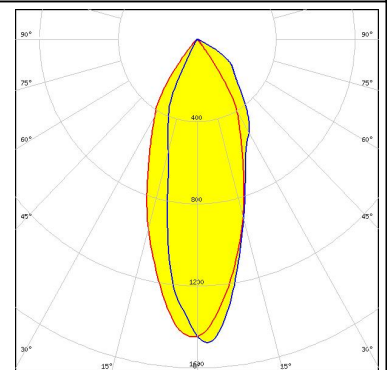
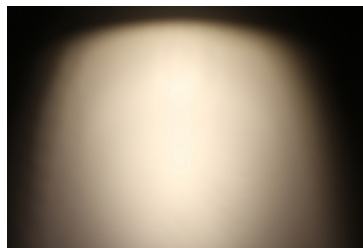
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



CITIZEN

LED CLL03x/CLU03x
FWHM Asymmetric
Efficiency 92 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

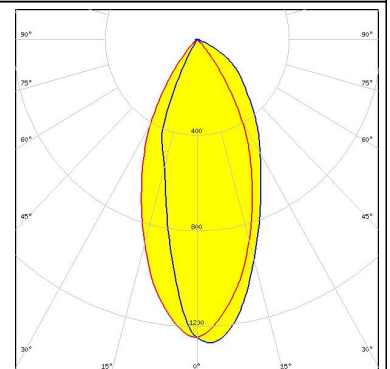
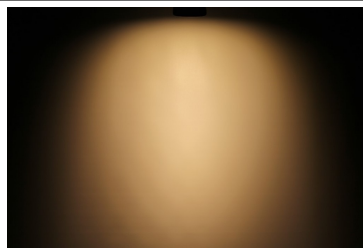
IDEAL: 50-2103CT + 50-2100AN



CITIZEN

LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

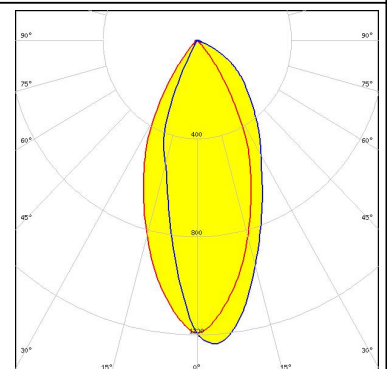
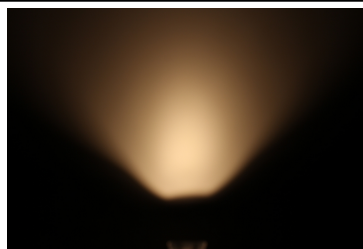
C13584_CLAMP-VERO29
Bender Wirth: 431 Typ L3



CITIZEN

LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

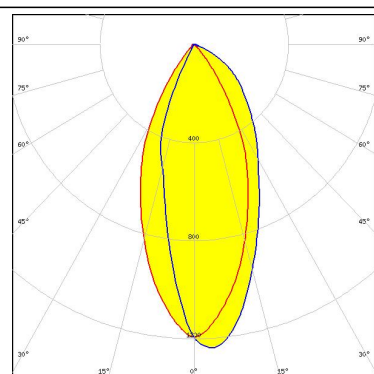
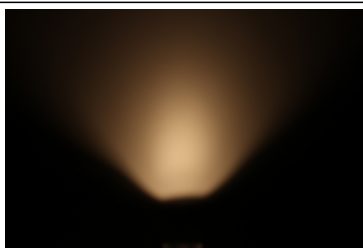
IDEAL: 50-2204-CT + 50-2100AN



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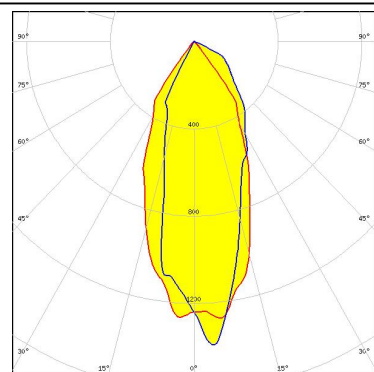
CITIZEN

LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2204-CT + 50-2100AN



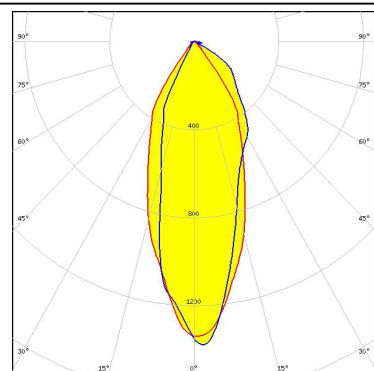
CITIZEN

LED CLU700/701/702
FWHM Asymmetric
Efficiency 92 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



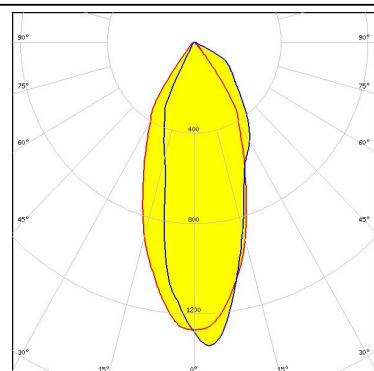
CITIZEN

LED CLU720/721
FWHM Asymmetric
Efficiency 92 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2103CT + 50-2100AN



CITIZEN

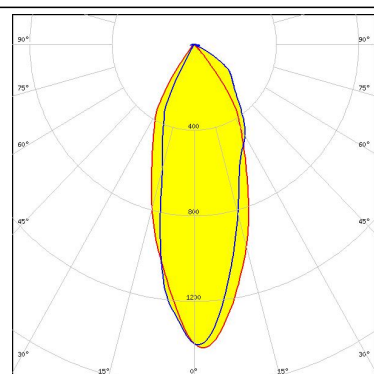
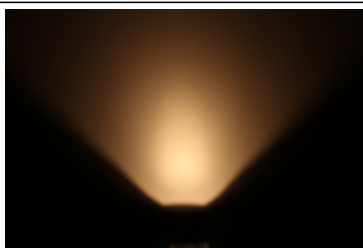
LED CLU720/721
FWHM Asymmetric
Efficiency 93 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

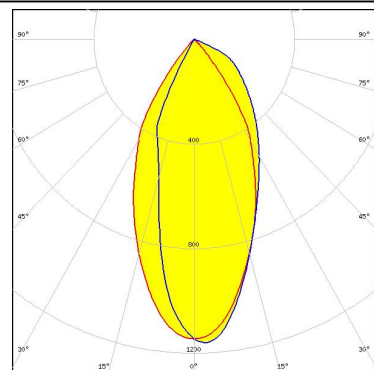
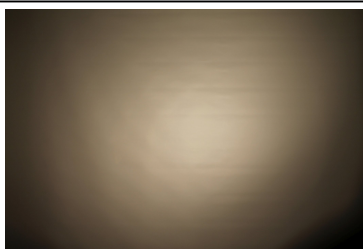
CITIZEN

LED CLU730/731
FWHM Asymmetric
Efficiency 88 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2204-CT + 50-2100AN



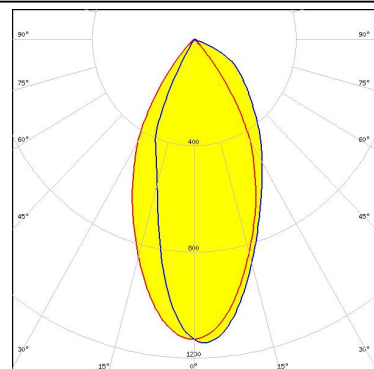
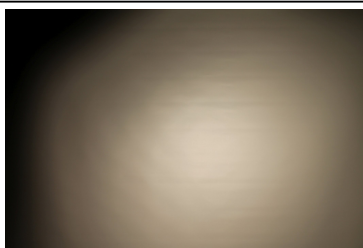
CREE

LED CMA1840
FWHM Asymmetric
Efficiency 93 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



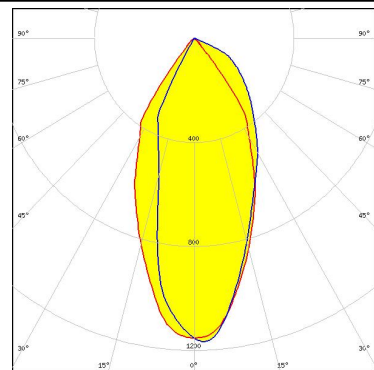
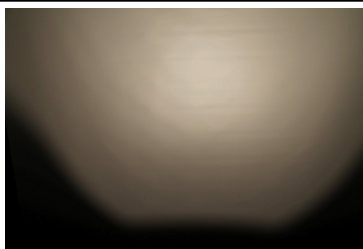
CREE

LED CMA2550
FWHM Asymmetric
Efficiency 93 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30



CREE

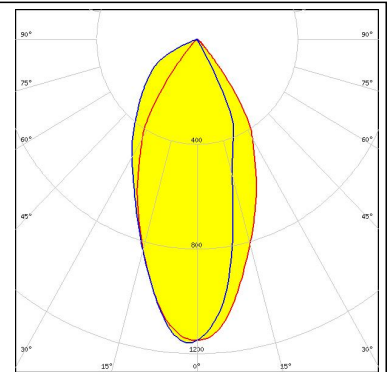
LED CMT14xx
FWHM Asymmetric
Efficiency 93 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



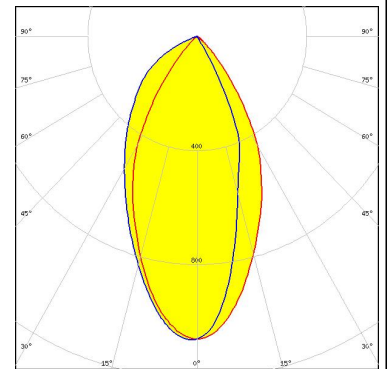
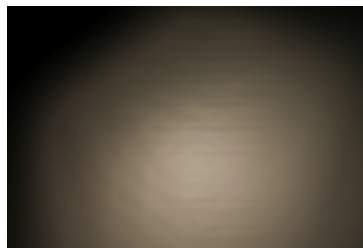
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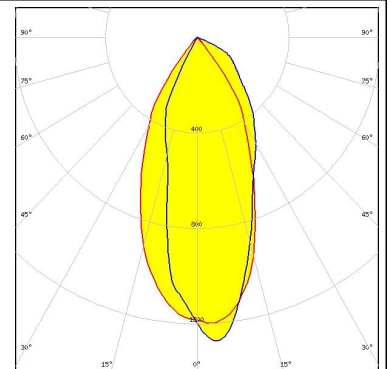
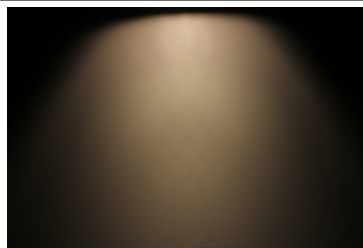
LED CMT19xx
FWHM Asymmetric
Efficiency 93 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 477 Typ L1



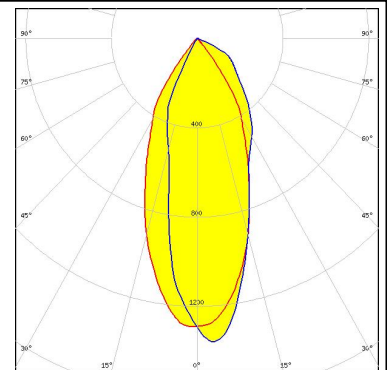
LED CMT28xx
FWHM Asymmetric
Efficiency 92 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 471 Typ L3



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 437 Typ L1



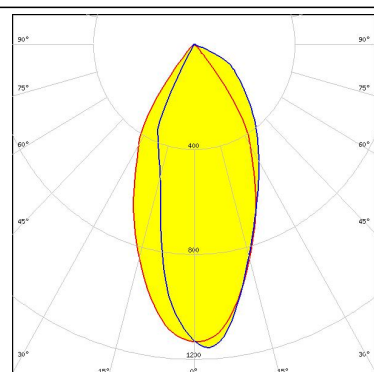
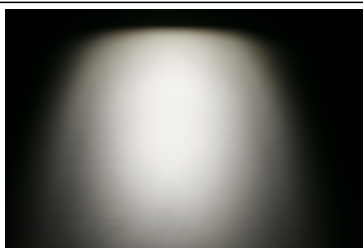
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



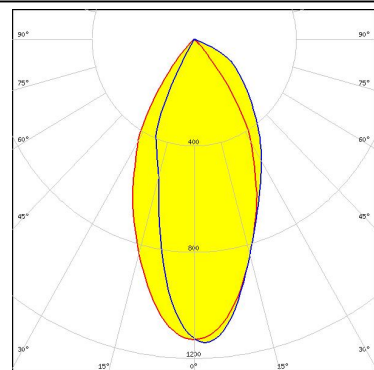
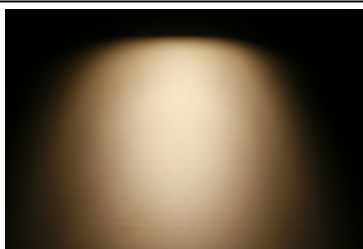
PHOTOMETRIC DATA (MEASURED):



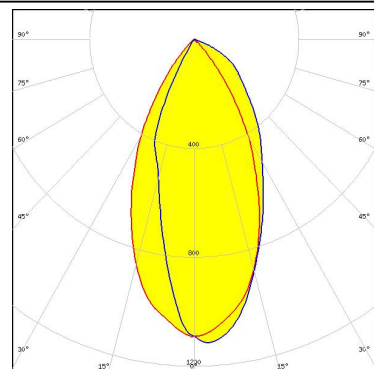
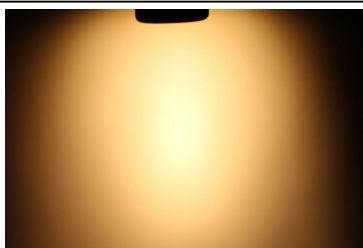
LED CXA/B 1830
FWHM Asymmetric
Efficiency 92 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



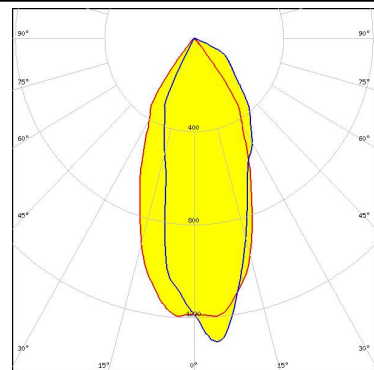
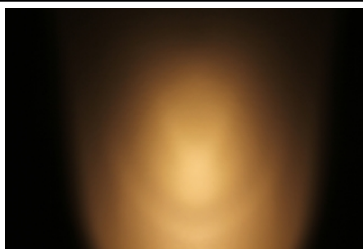
LED CXA/B 25xx
FWHM Asymmetric
Efficiency 92 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30



LED CXA/B 30xx
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30



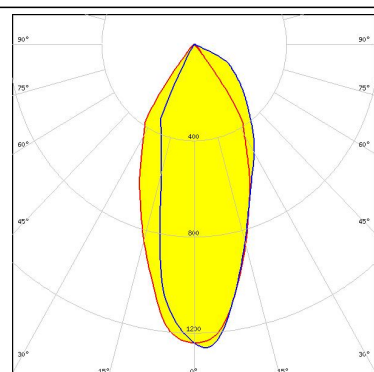
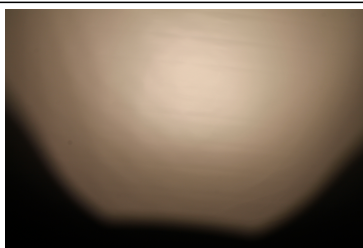
LED LUXEON CoB 1202/1203
FWHM Asymmetric
Efficiency 92 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 438 Typ L1



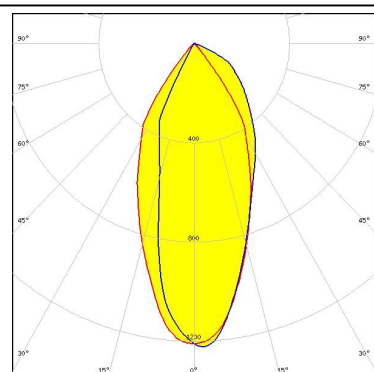
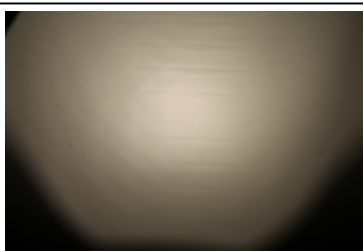
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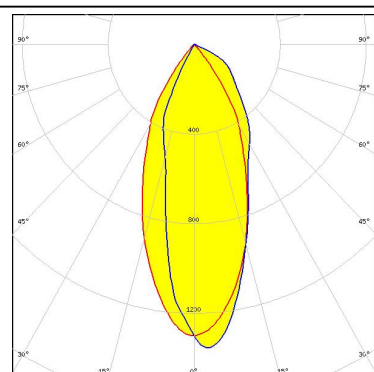
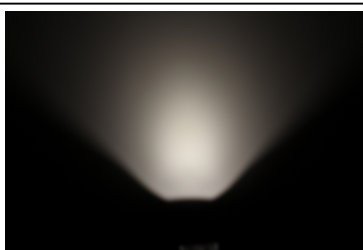
LED LUXEON CoB 1204HD
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



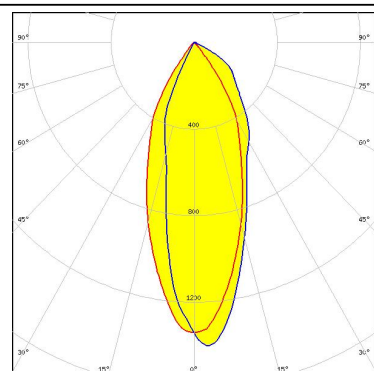
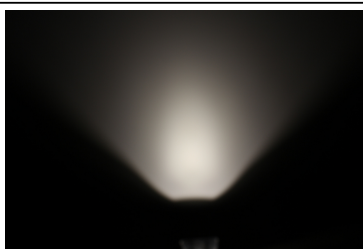
LED LUXEON CoB 1205HD
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED LUXEON CoB 1208
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213130-2



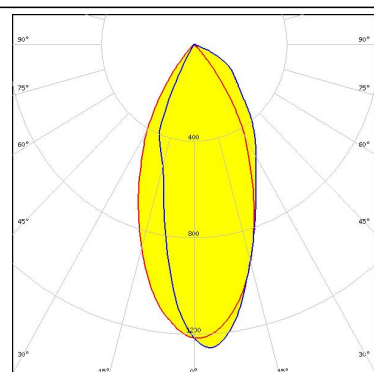
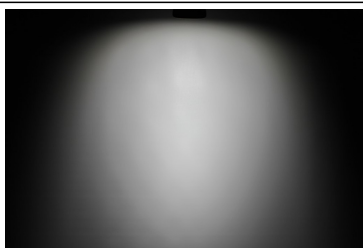
LED LUXEON CoB 1208
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100SH + 50-2100AN



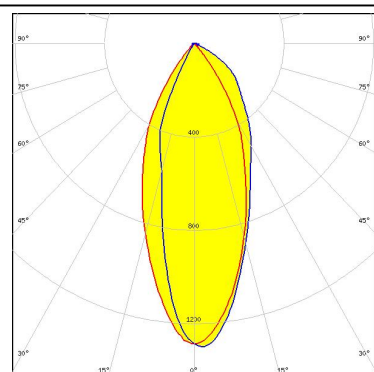
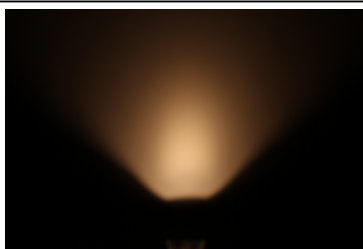
PHOTOMETRIC DATA (MEASURED):



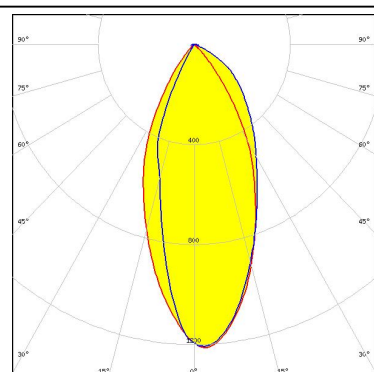
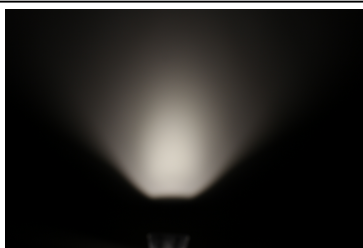
LED LUXEON CoB 1211
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 431 Typ L3



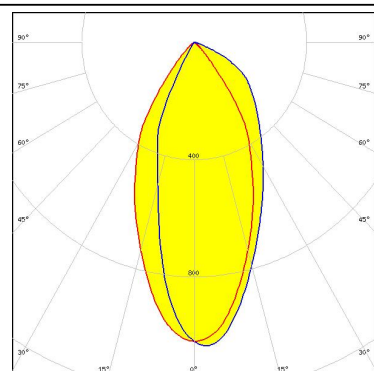
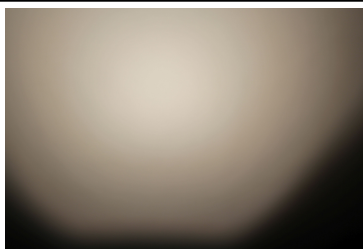
LED LUXEON CoB 1211
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



LED LUXEON CoB 1216/1812
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204CT + 50-2100LN



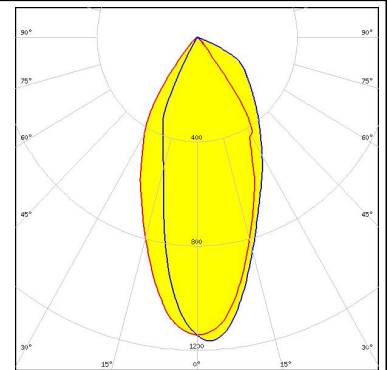
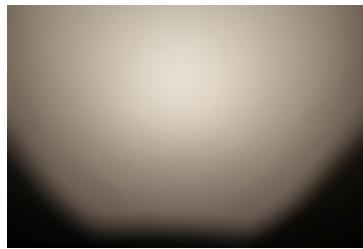
LED CDM-14 (Dim-To-Warm)
 FWHM Asymmetric
 Efficiency 87 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 491 Typ L2



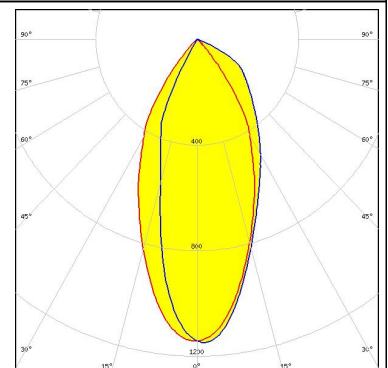
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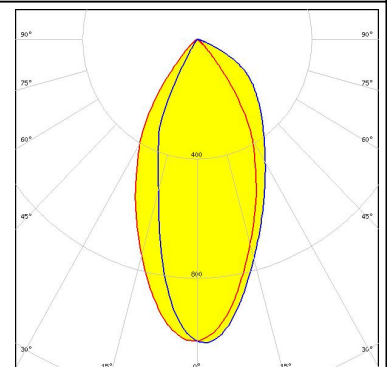
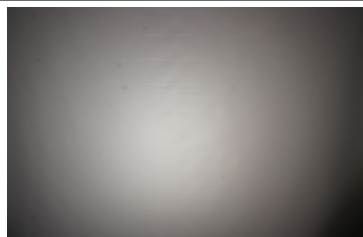
LED CDM-14 (Dim-To-Warm)
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 491 Typ L2



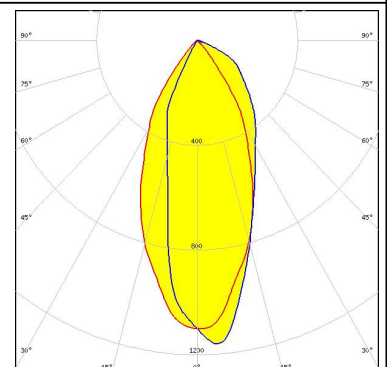
LED CDM-18 (Dim-To-Warm)
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 491 Typ L2



LED CDM-18 (Dim-To-Warm)
 FWHM Asymmetric
 Efficiency 87 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 491 Typ L2



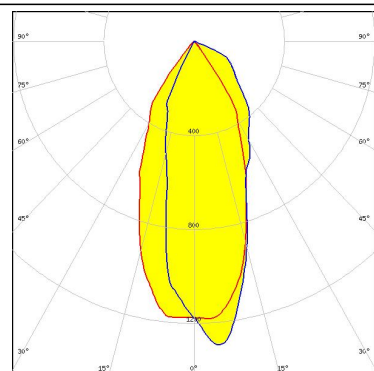
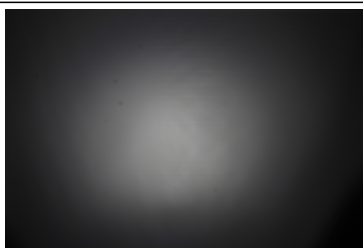
LED CDM-9 (Dim-To-Warm)
 FWHM Asymmetric
 Efficiency 85 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 490 Typ L1



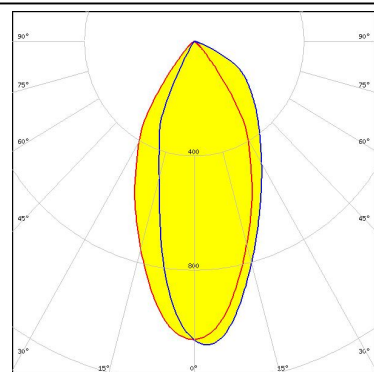
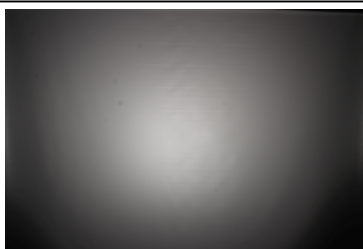
PHOTOMETRIC DATA (MEASURED):



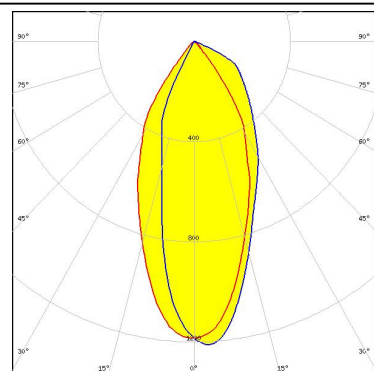
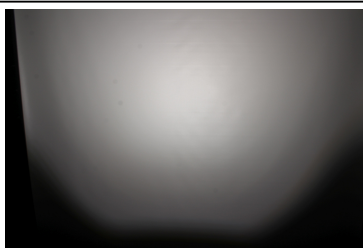
LED CDM-9 (Dim-To-Warm)
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 490 Typ L1



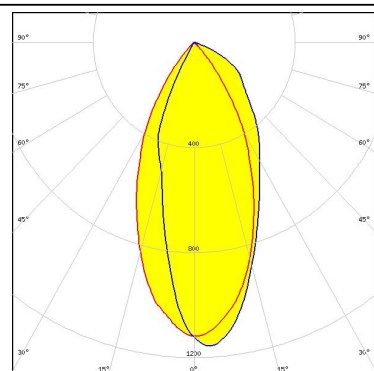
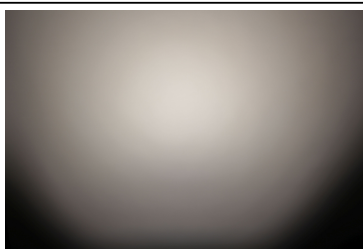
LED CTM-14 (Tunable White)
 FWHM Asymmetric
 Efficiency 87 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 442 Typ L3



LED CTM-14 (Tunable White)
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 442 Typ L3



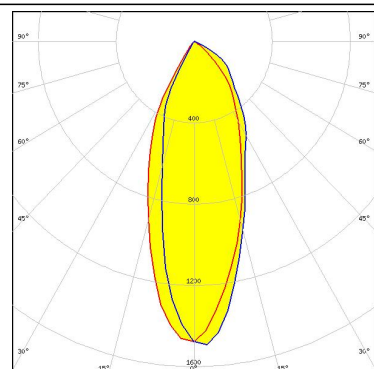
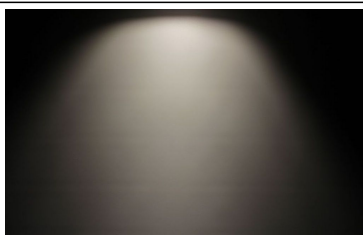
LED CTM-22 (Tunable White)
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 494 Typ L3



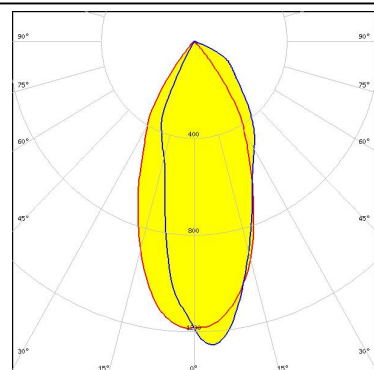
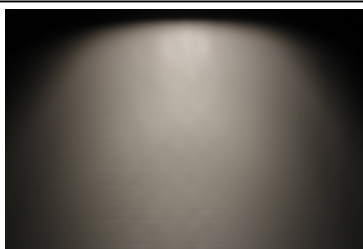
PHOTOMETRIC DATA (MEASURED):



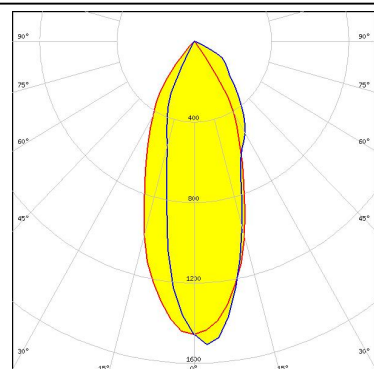
LED COB J-Type
FWHM Asymmetric
Efficiency 89 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2103NC + 50-2100AN



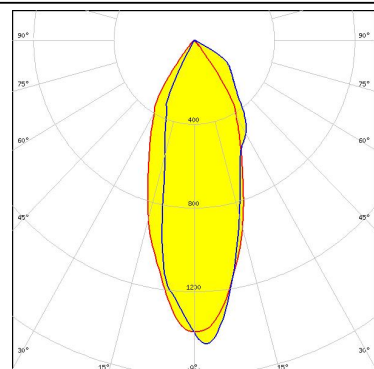
LED COB J-Type
FWHM Asymmetric
Efficiency 92 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 463 Typ L2



LED COB L-Type (LES 11)
FWHM Asymmetric
Efficiency 93 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



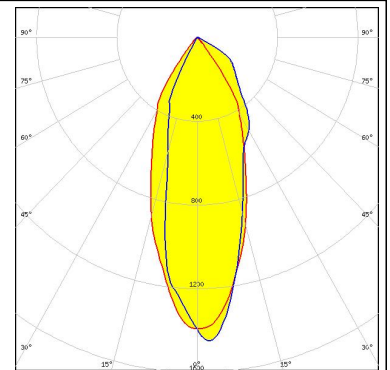
LED COB L-Type (LES 11)
FWHM Asymmetric
Efficiency 90 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2100NC + 50-2100AN



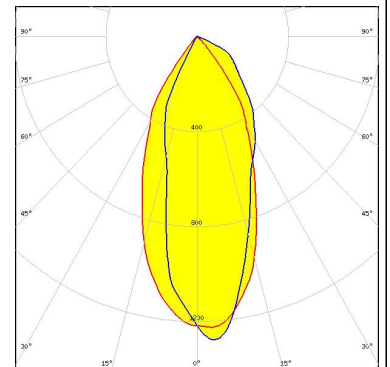
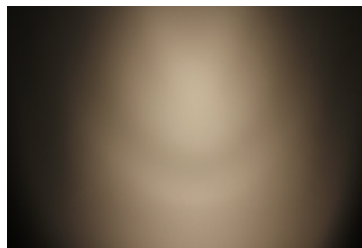
PHOTOMETRIC DATA (MEASURED):



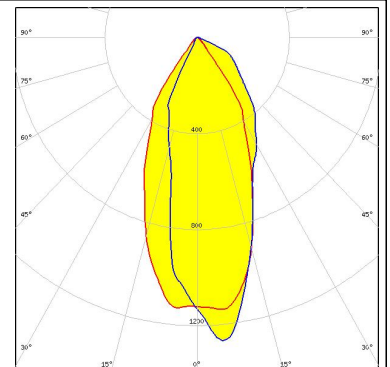
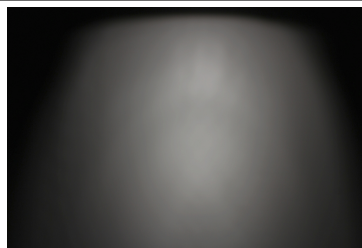
LED COB L-Type (LES 11)
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100NC + 50-2100AN



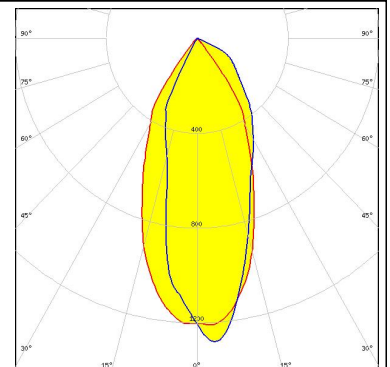
LED COB L-Type (LES 11)
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 438 Typ L1



LED COB L-Type (LES 9)
 FWHM Asymmetric
 Efficiency 93 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 438 Typ L1



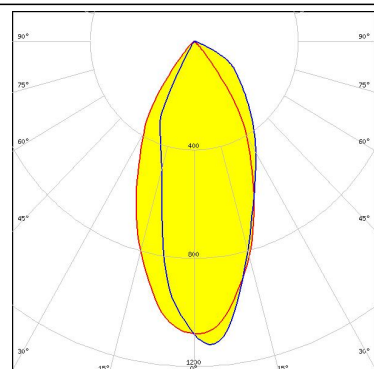
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 498 Typ L2



PHOTOMETRIC DATA (MEASURED):

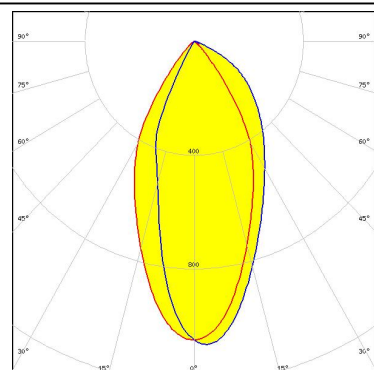
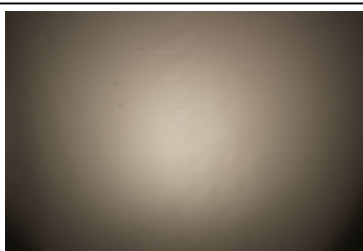


LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM Asymmetric
 Efficiency 86 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 498 Typ L2



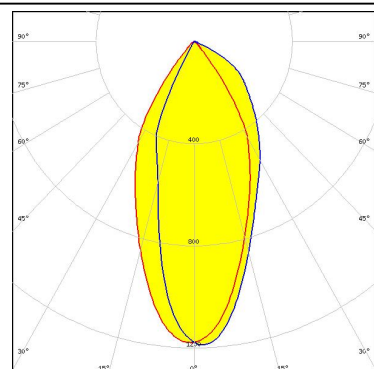
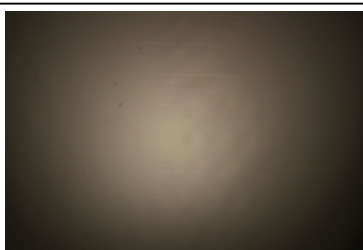
OSRAM

LED PrevaLED Core G7 L15 H1
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16685_CLAMP-PRV-A
 F13671_ANGE-RZ-LENS



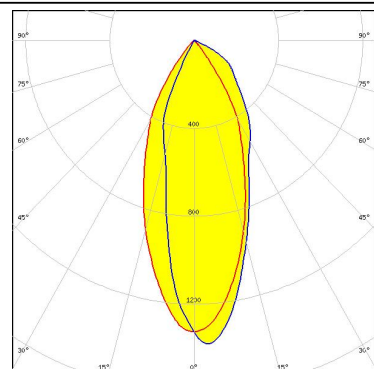
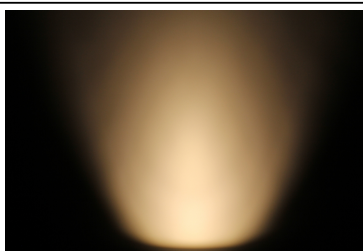
OSRAM

LED PrevaLED Core G7 L15 H1
 FWHM Asymmetric
 Efficiency 93 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16685_CLAMP-PRV-A



OSRAM

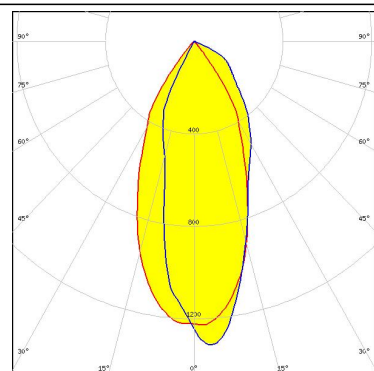
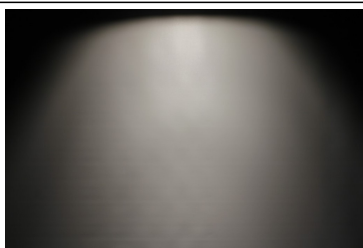
LED PrevaLED Core Z4 LES19
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

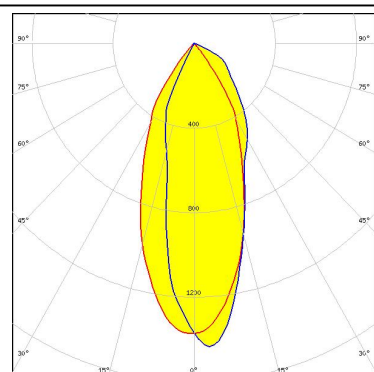
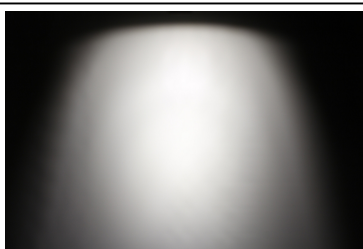
OSRAM
Opto Semiconductors

LED Soleriq S13
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 437 Typ L1



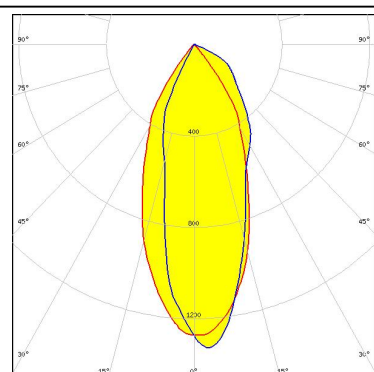
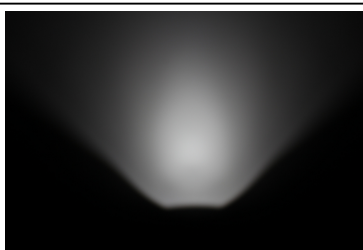
OSRAM
Opto Semiconductors

LED Soleriq S13
FWHM Asymmetric
Efficiency 93 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



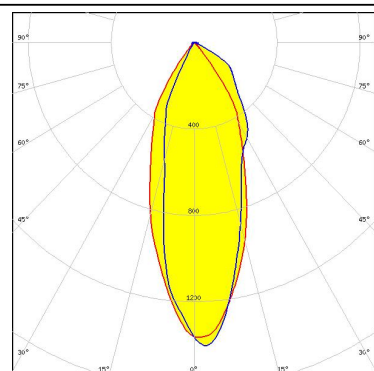
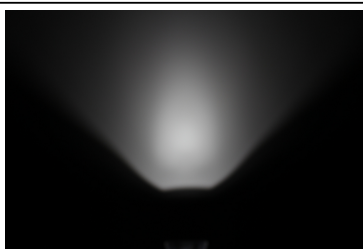
OSRAM
Opto Semiconductors

LED Soleriq S13 19x19
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.3 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 S13 19x19
FWHM Asymmetric
Efficiency 89 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2103CT + 50-2100AN

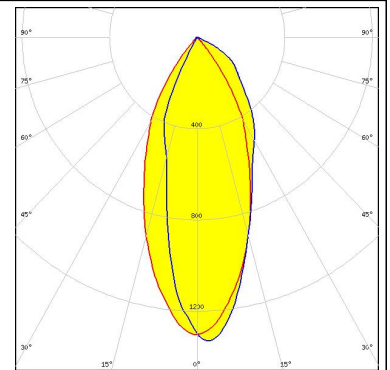


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

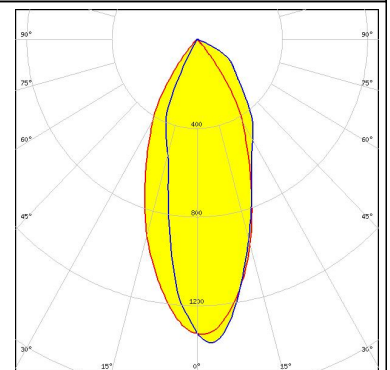
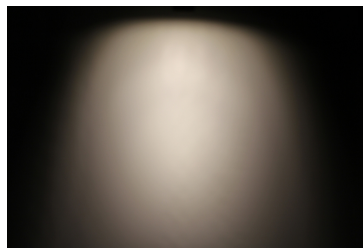
LED Soleriq S19
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 462 Typ L3



OSRAM

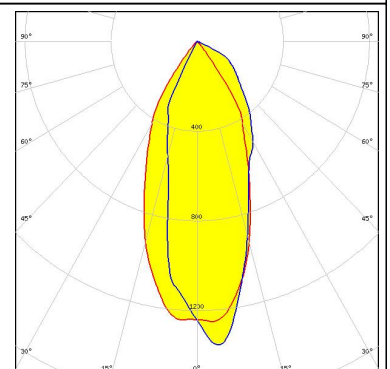
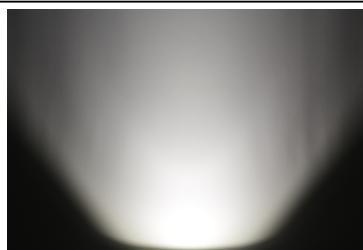
Opto Semiconductors

LED Soleriq S19
FWHM Asymmetric
Efficiency 93 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1



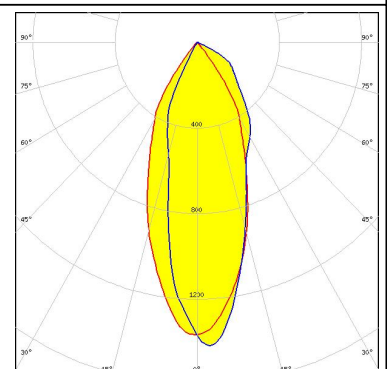
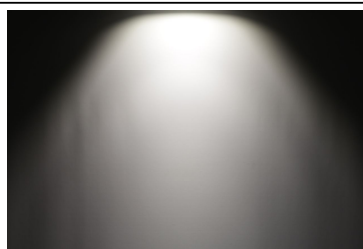
PHILIPS

LED Fortimo SLM L09 + SLM holder
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

LED Fortimo SLM L13 + SLM holder
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



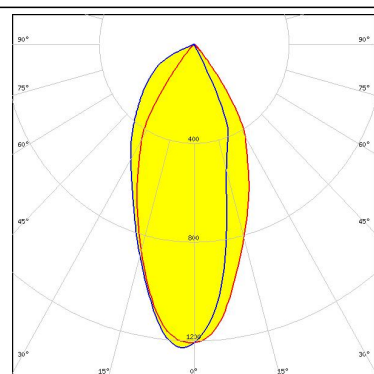
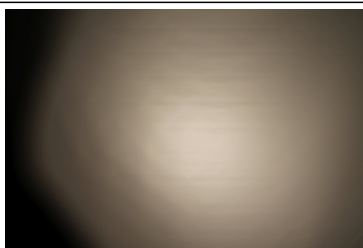
PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED Fortimo SLM L13 CoB
FWHM Asymmetric
Efficiency 92 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White

Required components:

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



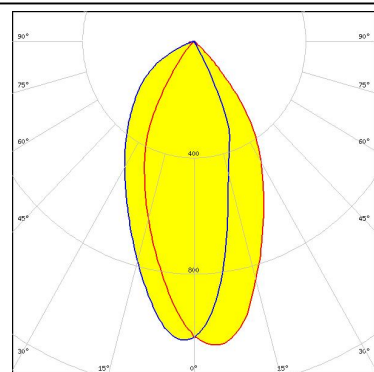
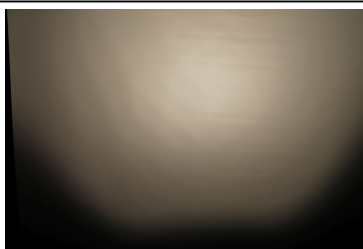
PHILIPS

LED Fortimo SLM L13 CoB
FWHM Asymmetric
Efficiency 85 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F13671_ANGE-RZ-LENS

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

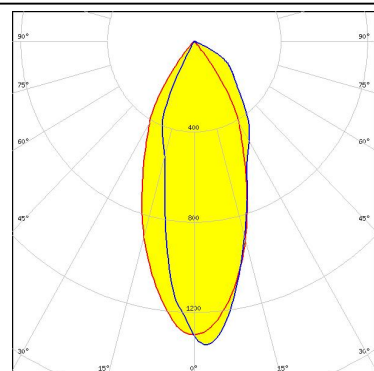
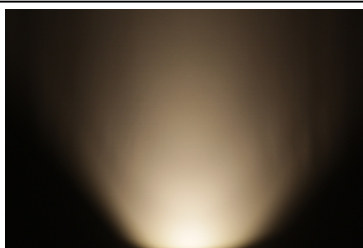


PHILIPS

LED Fortimo SLM L15 + SLM holder
FWHM Asymmetric
Efficiency 90 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



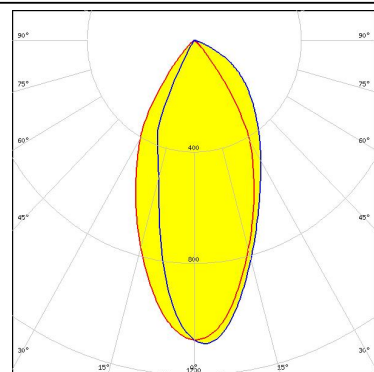
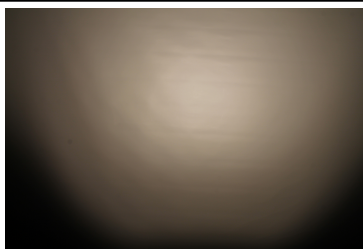
PHILIPS

LED Fortimo SLM L15 CoB
FWHM Asymmetric
Efficiency 87 %
Peak intensity 1.1 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):

PHILIPS

LED Fortimo SLM L15 CoB

FWHM Asymmetric

Efficiency 92 %

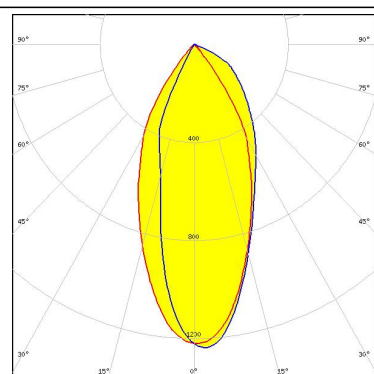
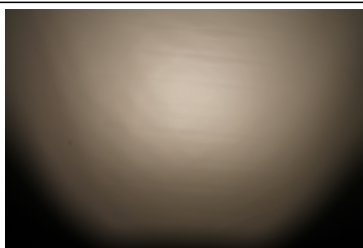
Peak intensity 1.3 cd/lm

LEDs/each optic 1

Light colour White

Required components:

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



PHILIPS

LED Fortimo SLM L19 + SLM holder

FWHM Asymmetric

Efficiency 88 %

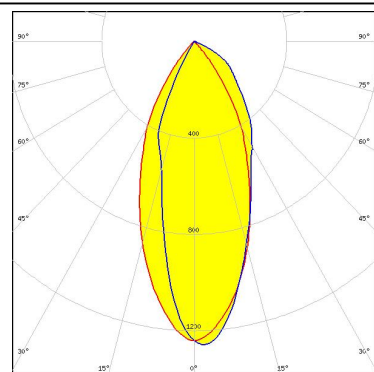
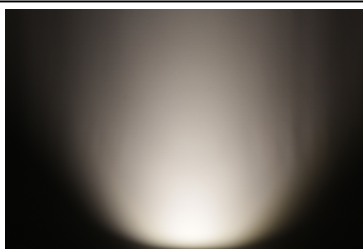
Peak intensity 1.3 cd/lm

LEDs/each optic 1

Light colour White

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



SAMSUNG

LED LC035T (Tunable white)

FWHM Asymmetric

Efficiency 92 %

Peak intensity 1.1 cd/lm

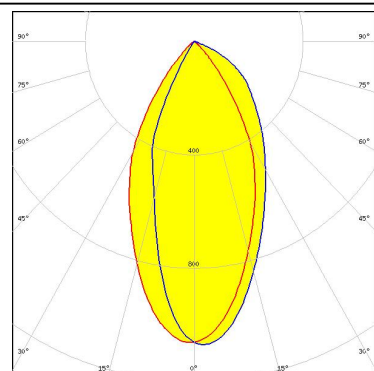
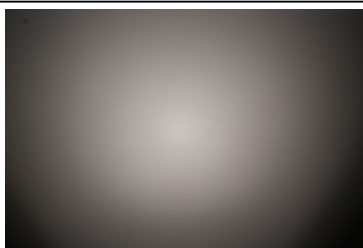
LEDs/each optic 1

Light colour Tunable White

Required components:

C13584_CLAMP-VERO29

Bender Wirth: 502 Typ L3



SAMSUNG

LED LC035T (Tunable white)

FWHM Asymmetric

Efficiency 87 %

Peak intensity 1 cd/lm

LEDs/each optic 1

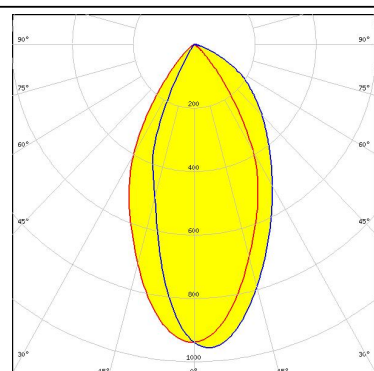
Light colour Tunable White

Required components:

C13584_CLAMP-VERO29

F13671_ANGE-RZ-LENS

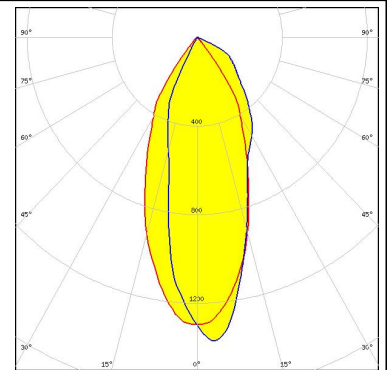
Bender Wirth: 502 Typ L3



PHOTOMETRIC DATA (MEASURED):

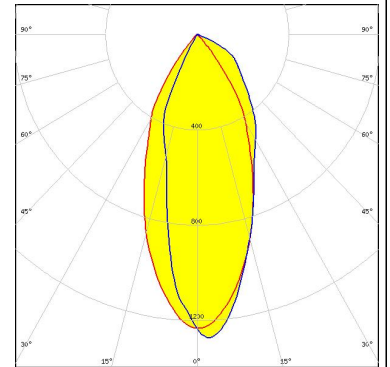
SAMSUNG

LED LC040C
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



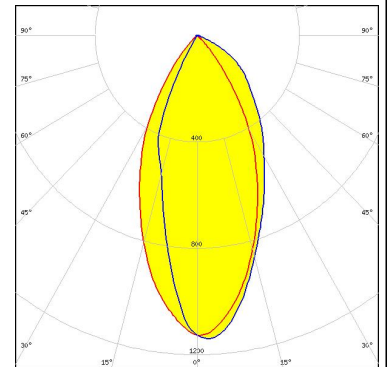
SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



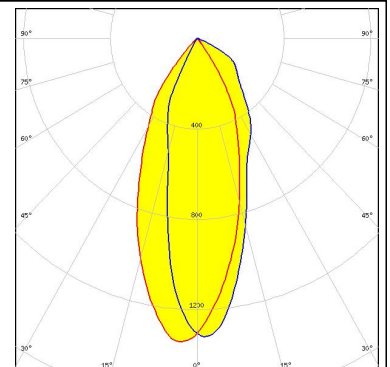
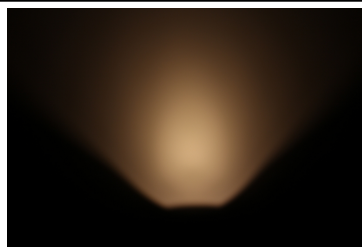
SEOUL SEMICONDUCTOR

LED MJT COB LES 22
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 431 Typ L3



VS LIGHTING SOLUTIONS

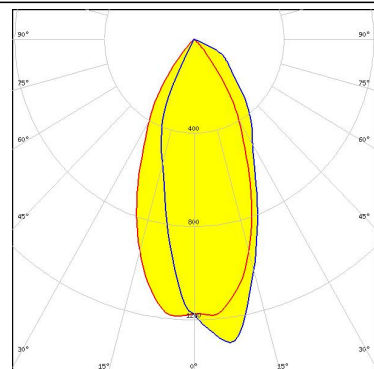
LED WU-M-484
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



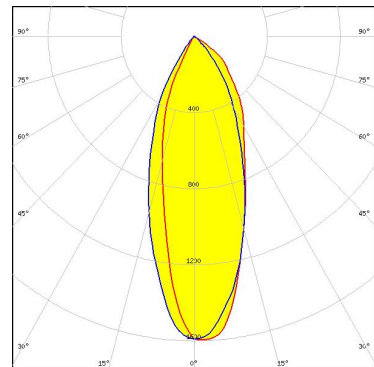
PHOTOMETRIC DATA (SIMULATED):



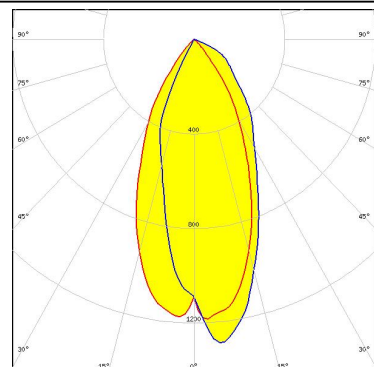
LED V10 Gen7
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 486 Typ L1



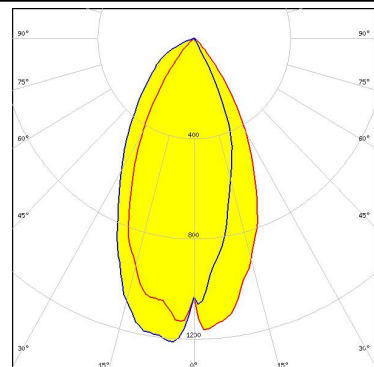
LED V13 Gen7
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2103CT + 50-2100AN



LED V13 Gen7
 FWHM Asymmetric
 Efficiency 92 %
 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 Asymmetric
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 431 Typ L3



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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