

LENA-WAS

Asymmetric beam for wall-washing

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 111.0 mm
Height	37 mm
Fastening	glue
ROHS compliant	yes ⓘ

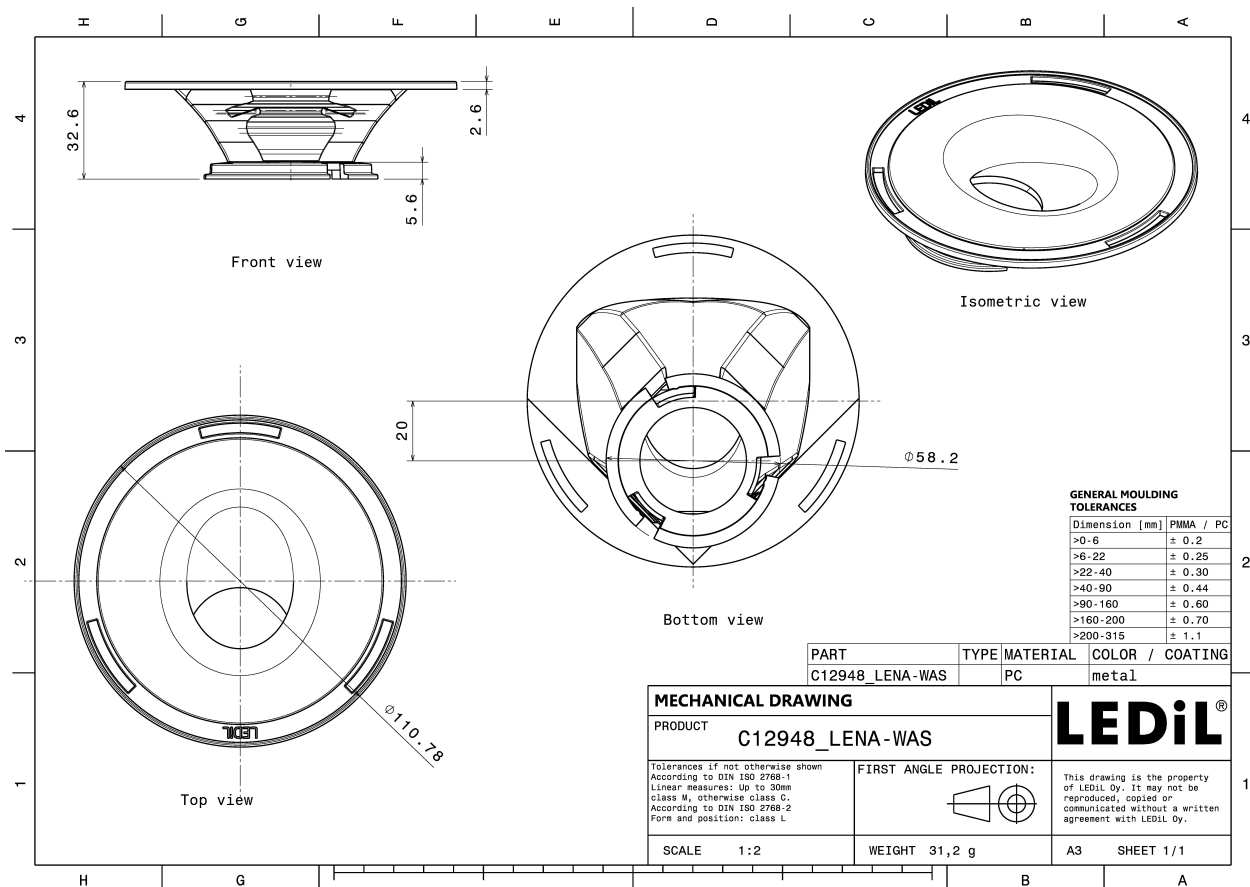
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12948_LENA-WAS » Box size: 480 x 280 x 300 mm	56	56	56	3.1

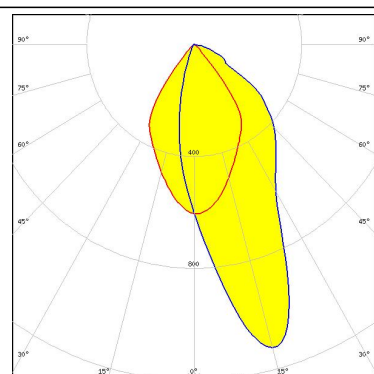




PHOTOMETRIC DATA (MEASURED):

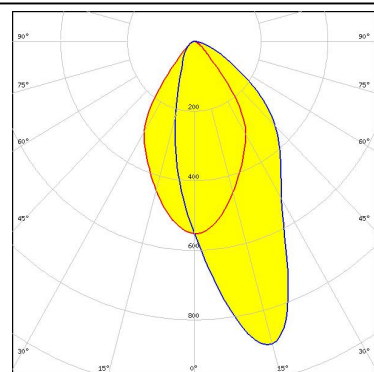
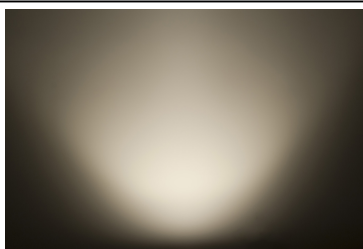
bridgelux.

LED BXRA ES Rectangle
FWHM Asymmetric
Efficiency 80 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12153_LENA-STD-BASE-BXRA



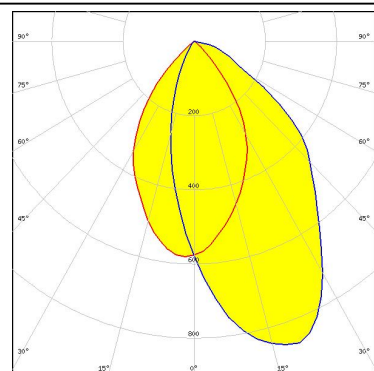
bridgelux.

LED BXRA ES Rectangle
FWHM Asymmetric
Efficiency 77 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12153_LENA-STD-BASE-BXRA
C11996_LENA-LENS



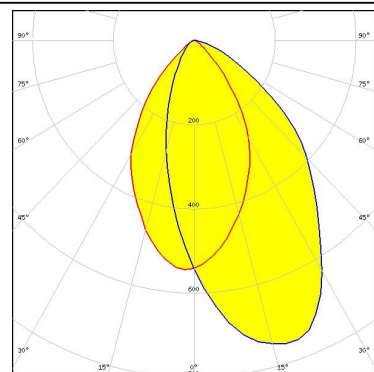
bridgelux.

LED BXRA RS
FWHM Asymmetric
Efficiency 80 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12229_LENA-STD-BASE-RS



bridgelux.

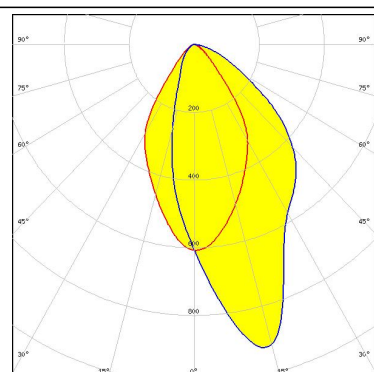
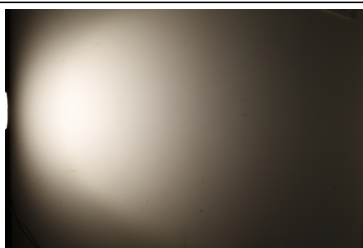
LED BXRA RS
FWHM Asymmetric
Efficiency 75 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12229_LENA-STD-BASE-RS
C11996_LENA-LENS



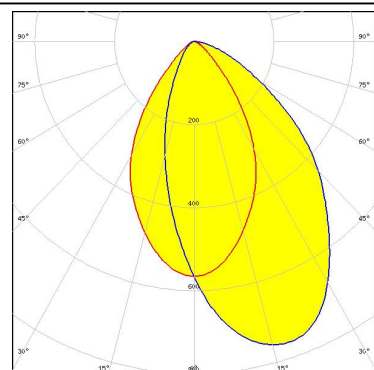
PHOTOMETRIC DATA (MEASURED):



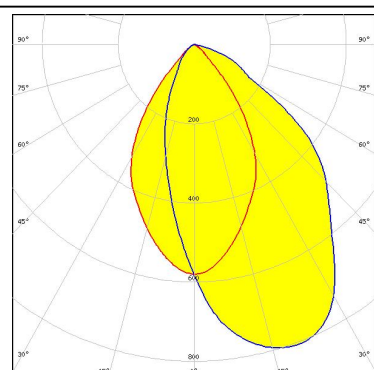
LED V10 Gen6
FWHM Asymmetric
Efficiency 83 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13186_LENA-STD-BASE-CXA15
C11996_LENA-LENS



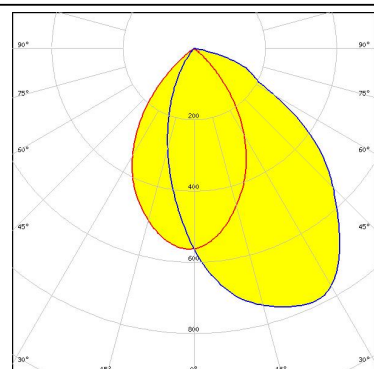
LED V22 Gen7
FWHM Asymmetric
Efficiency 82 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
C11996_LENA-LENS
Bender Wirth: 431 Typ L3



LED V22 Gen7
FWHM Asymmetric
Efficiency 84 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
C14169_LENA-CLEAR-LENS
Bender Wirth: 431 Typ L3



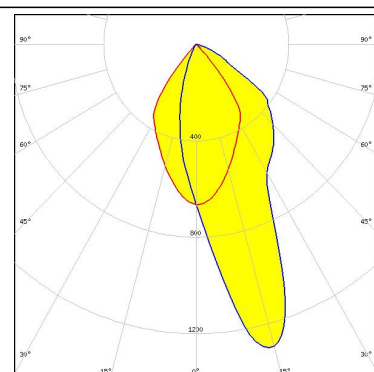
LED Vero SE 29
FWHM Asymmetric
Efficiency 87 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15083_LENA-STD-BASE-VERO29



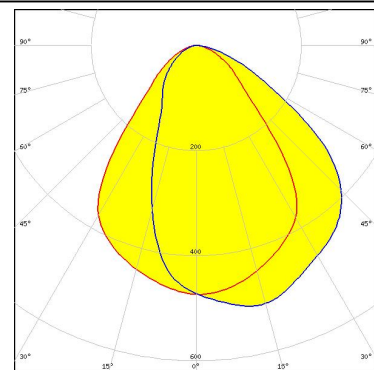
PHOTOMETRIC DATA (MEASURED):



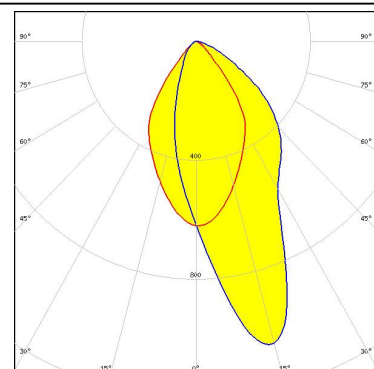
LED VERO13
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13868_LENA-STD-BASE-VERO13-18



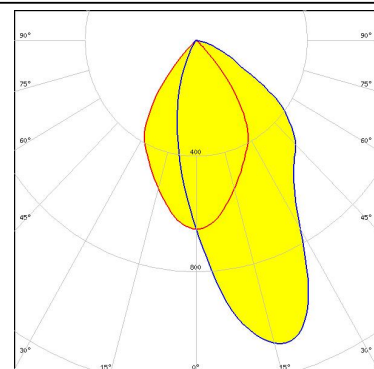
LED VERO13
FWHM Asymmetric
Efficiency 87 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS



LED VERO13
FWHM Asymmetric
Efficiency 87 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS



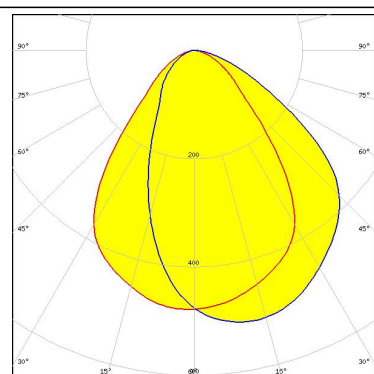
LED VERO18
FWHM Asymmetric
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13868_LENA-STD-BASE-VERO13-18



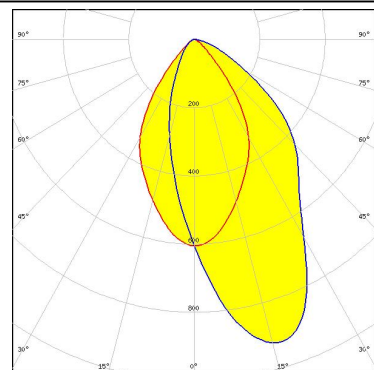
PHOTOMETRIC DATA (MEASURED):



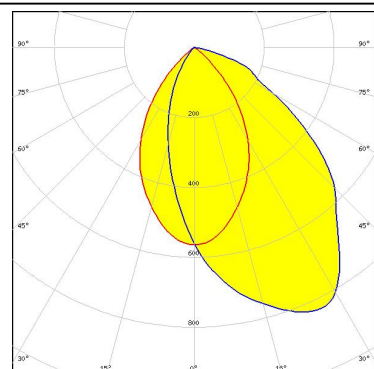
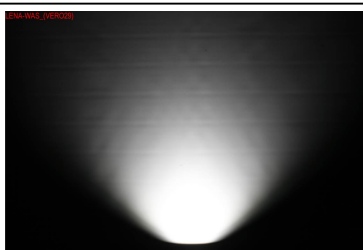
LED VERO18
FWHM Asymmetric
Efficiency 87 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS



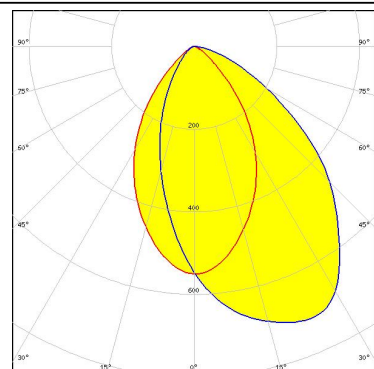
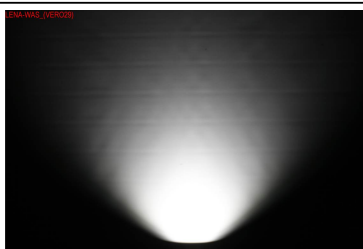
LED VERO18
FWHM Asymmetric
Efficiency 86 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS



LED VERO29
FWHM Asymmetric
Efficiency 87 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29



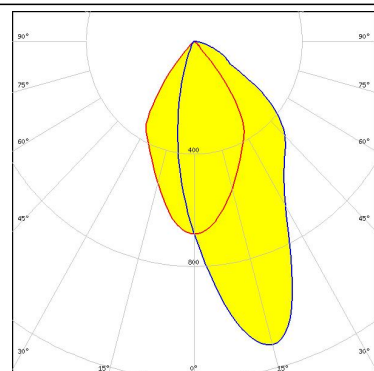
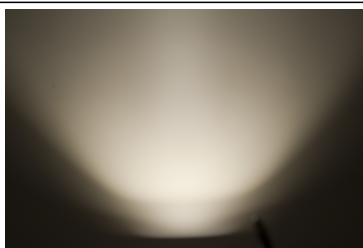
LED VERO29
FWHM Asymmetric
Efficiency 82 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
C11996_LENA-LENS



PHOTOMETRIC DATA (MEASURED):

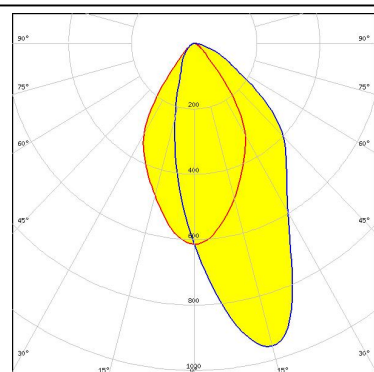
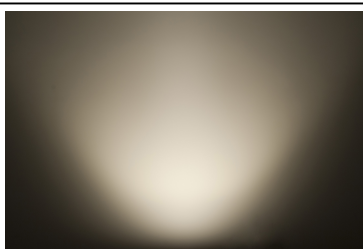
CITIZEN

LED CL-L340
FWHM Asymmetric
Efficiency 84 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C11995_LENA-STD-BASE-CL340



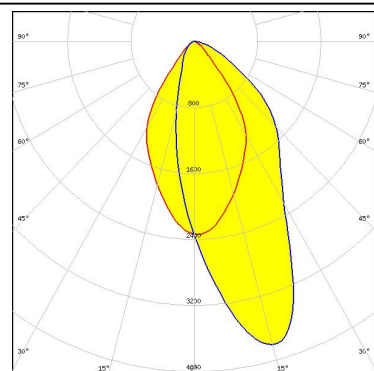
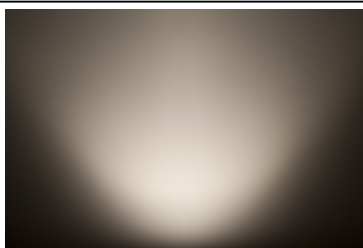
CITIZEN

LED CL-L340
FWHM Asymmetric
Efficiency 73 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C11995_LENA-STD-BASE-CL340
C11996_LENA-LENS



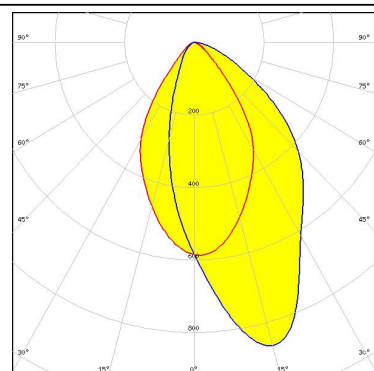
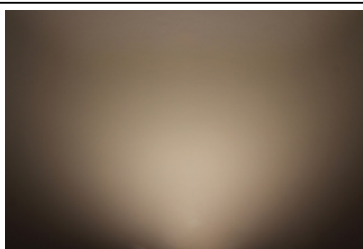
CITIZEN

LED CLL03x/CLU03x
FWHM Asymmetric
Efficiency 76 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENA-STD-BASE-CLL030
C11996_LENA-LENS



CITIZEN

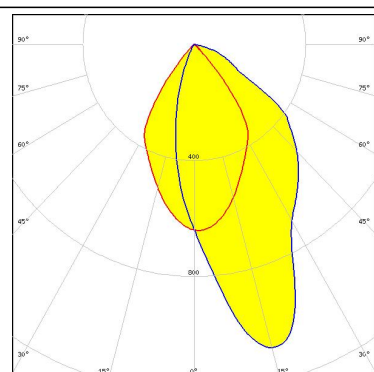
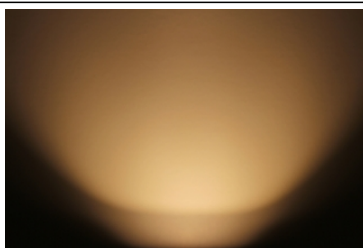
LED CLL03x/CLU03x
FWHM Asymmetric
Efficiency 85 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 433 Typ L1



PHOTOMETRIC DATA (MEASURED):

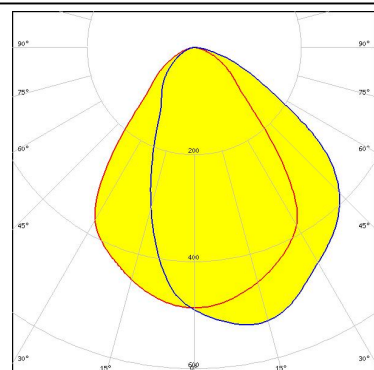
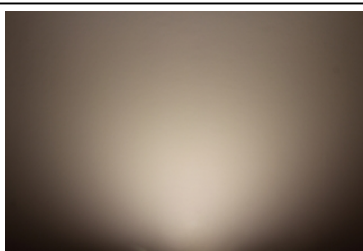
CITIZEN

LED CLL03x/CLU03x
FWHM Asymmetric
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 433 Typ L1



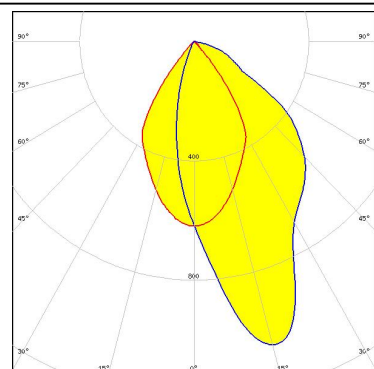
CITIZEN

LED CLL03x/CLU03x
FWHM Asymmetric
Efficiency 87 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 433 Typ L1



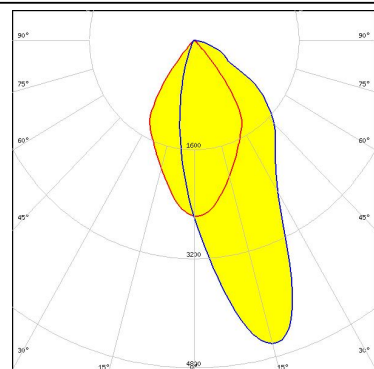
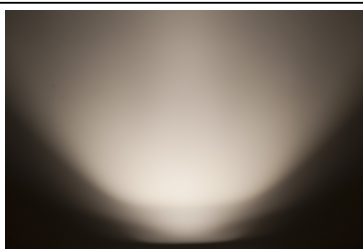
CITIZEN

LED CLL03x/CLU03x
FWHM Asymmetric
Efficiency 87 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8101/G2 + S-8000/11



CITIZEN

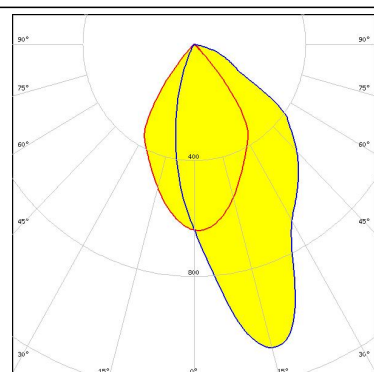
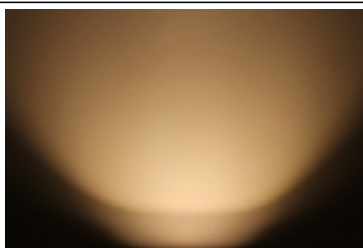
LED CLL03x/CLU03x
FWHM Asymmetric
Efficiency 81 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENA-STD-BASE-CLL030



PHOTOMETRIC DATA (MEASURED):

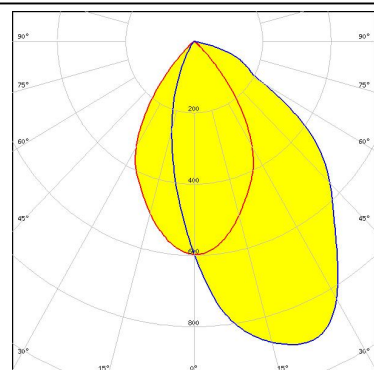
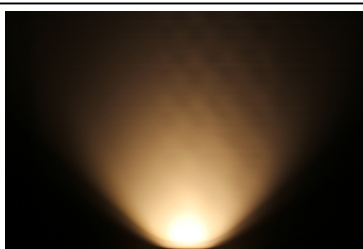
CITIZEN

LED CLL03x/CLU03x
FWHM Asymmetric
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
Bender Wirth: 433 Typ L1



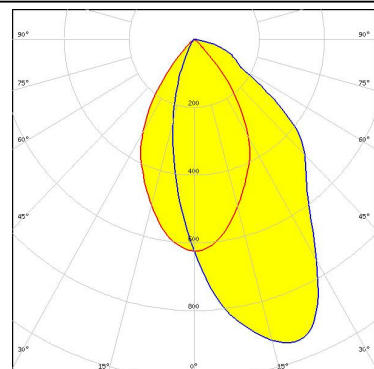
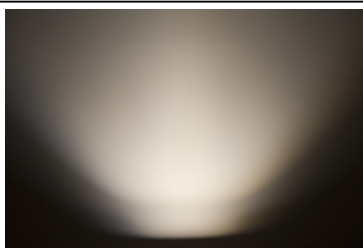
CITIZEN

LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
Bender Wirth: 431 Typ L3



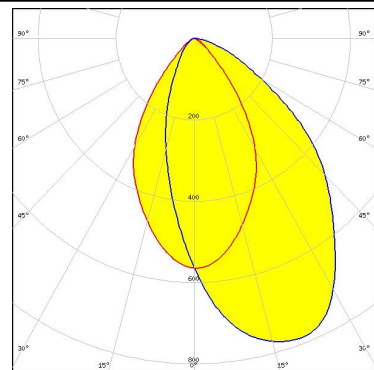
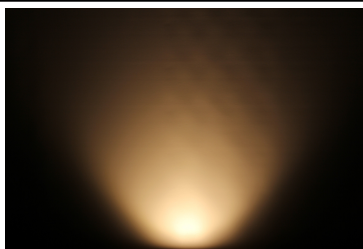
CITIZEN

LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 82 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12692_LENA-STD-BASE-CLL040



CITIZEN

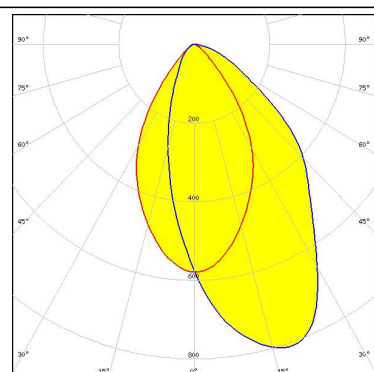
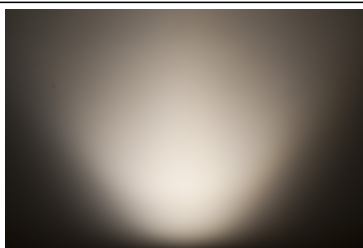
LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 84 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
C11996_LENA-LENS
Bender Wirth: 431 Typ L3



PHOTOMETRIC DATA (MEASURED):

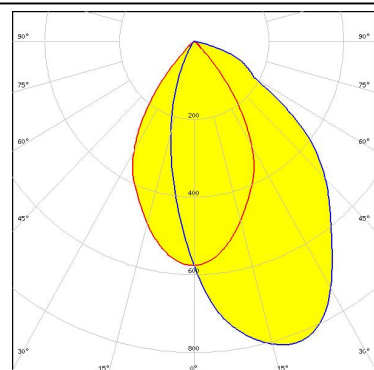
CITIZEN

LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 78 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12692_LENA-STD-BASE-CLL040
C11996_LENA-LENS



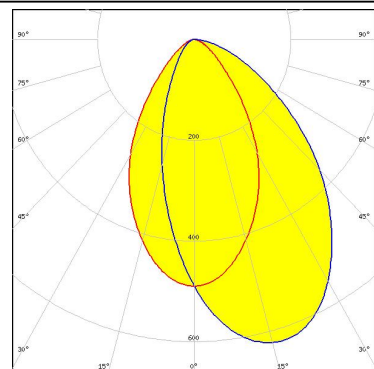
CITIZEN

LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 80 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8102/G2 + S-8000/12



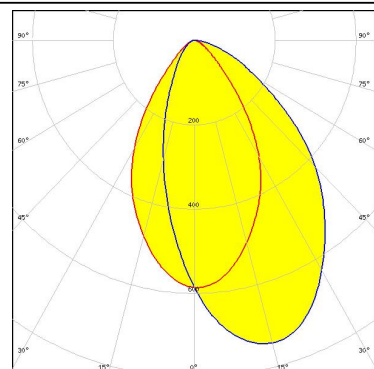
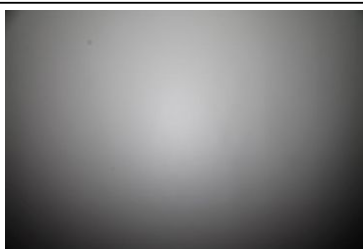
CITIZEN

LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 74 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C11996_LENA-LENS
A.A.G. STUCCHI: 8102/G2 + S-8000/12



CITIZEN

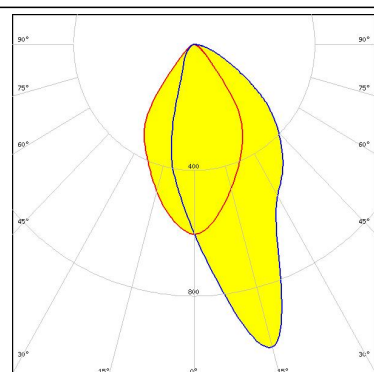
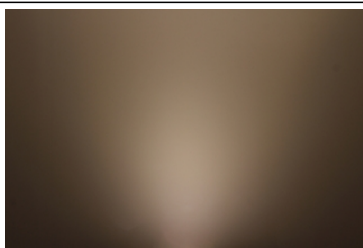
LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 82 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C11996_LENA-LENS
IDEAL: 50-2204CT + 50-2100LN



PHOTOMETRIC DATA (MEASURED):

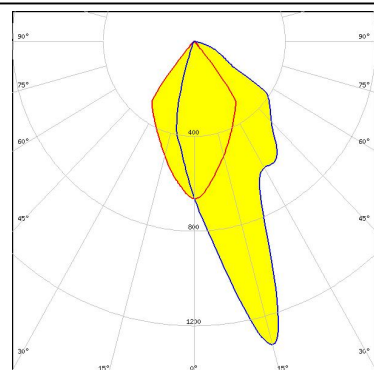
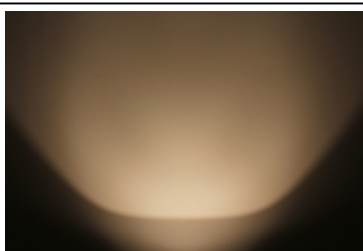
CITIZEN

LED CLU700/701/702
FWHM Asymmetric
Efficiency 84 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 434 Typ L1



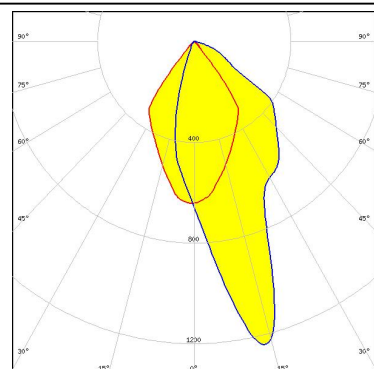
CITIZEN

LED CLU700/701/702
FWHM Asymmetric
Efficiency 89 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 434 Typ L1



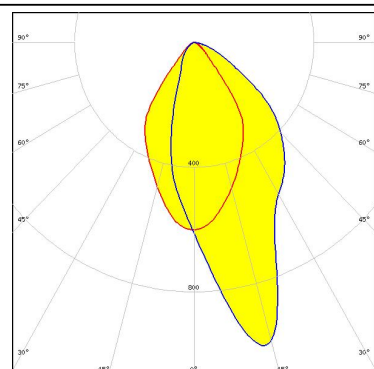
CITIZEN

LED CLU710/711
FWHM Asymmetric
Efficiency 89 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENA-STD-BASE-CLL030



CITIZEN

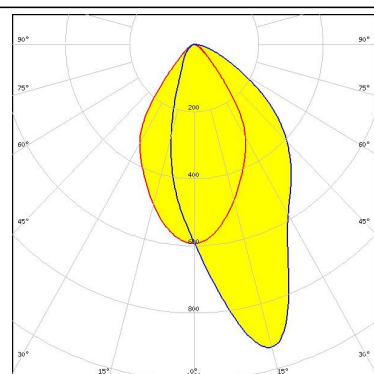
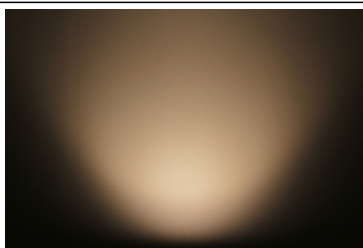
LED CLU710/711
FWHM Asymmetric
Efficiency 84 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENA-STD-BASE-CLL030
C11996_LENA-LENS



PHOTOMETRIC DATA (MEASURED):

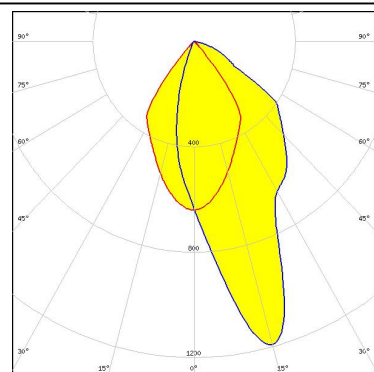
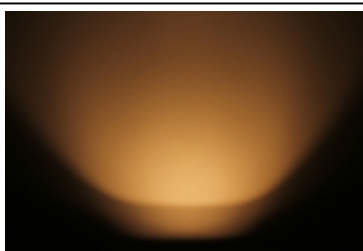
CITIZEN

LED CLU720/721
 FWHM Asymmetric
 Efficiency 85 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS
 Bender Wirth: 433 Typ L1



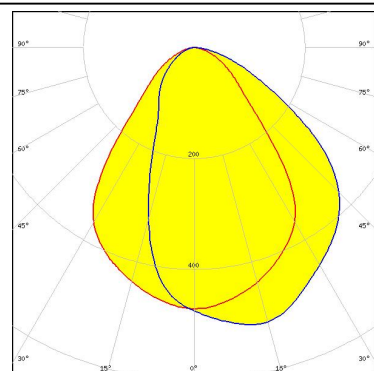
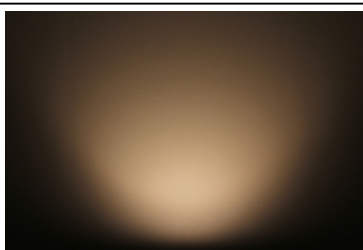
CITIZEN

LED CLU720/721
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 Bender Wirth: 433 Typ L1



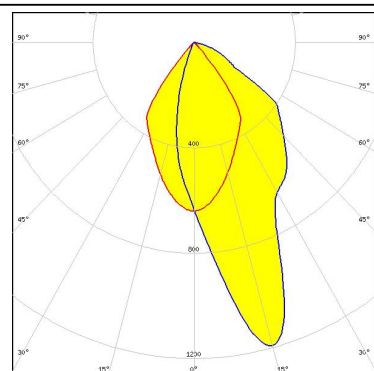
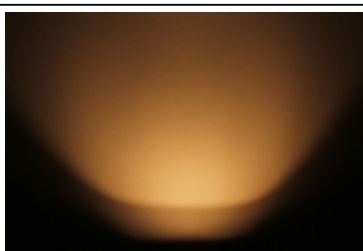
CITIZEN

LED CLU720/721
 FWHM Asymmetric
 Efficiency 86 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS
 Bender Wirth: 433 Typ L1



CITIZEN

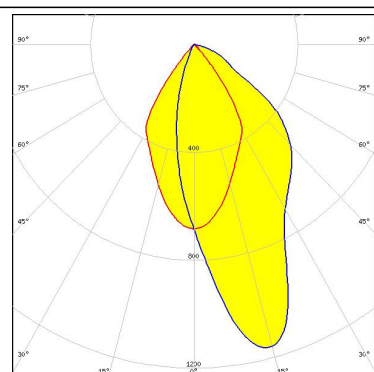
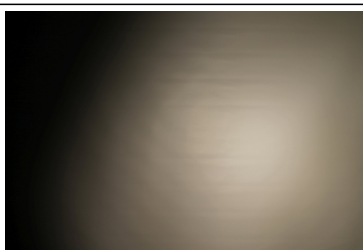
LED CLU720/721
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13867_LENA-STD-BASE-VERO29
 Bender Wirth: 433 Typ L1



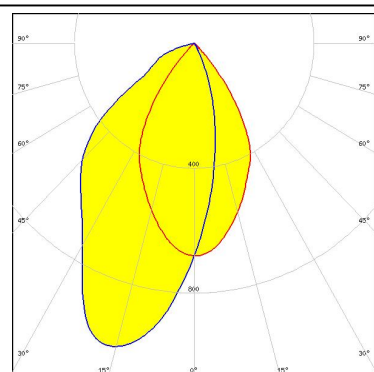
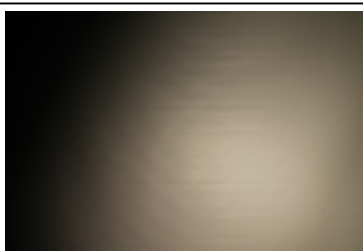
PHOTOMETRIC DATA (MEASURED):



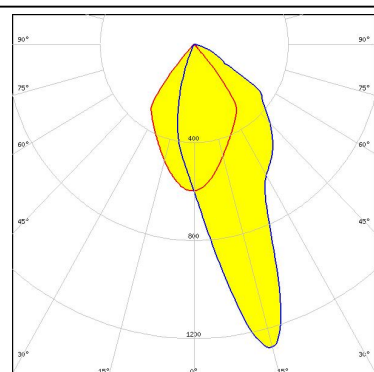
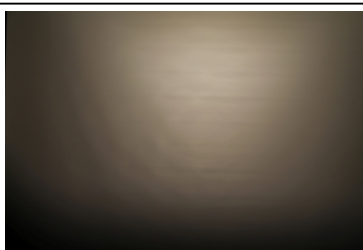
LED CMA1840
FWHM Asymmetric
Efficiency 86 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14146_LENA-STD-BASE-CXA18



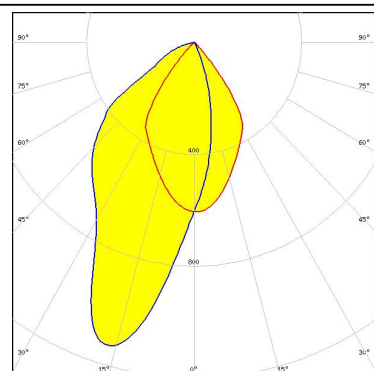
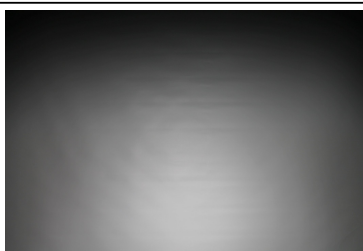
LED CMA2550
FWHM Asymmetric
Efficiency 86 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13324_LENA-STD-BASE-CXA25



LED CMT14xx
FWHM Asymmetric
Efficiency 85 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 434 Typ L1



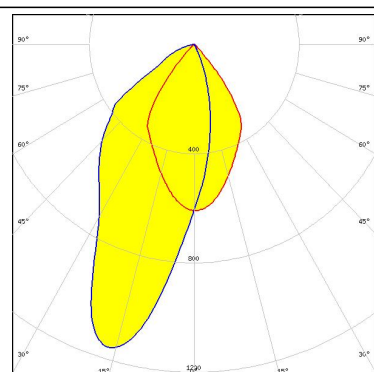
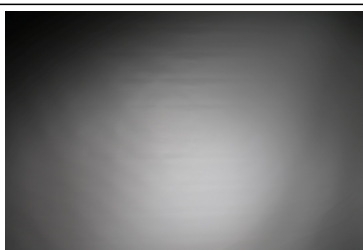
LED CMT19xx
FWHM Asymmetric
Efficiency 86 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENA-STD-BASE-CLL030



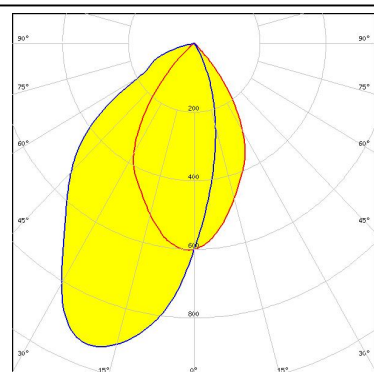
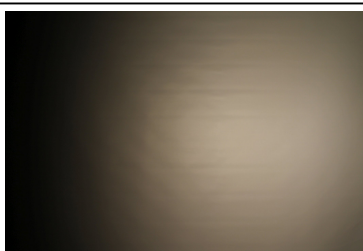
PHOTOMETRIC DATA (MEASURED):



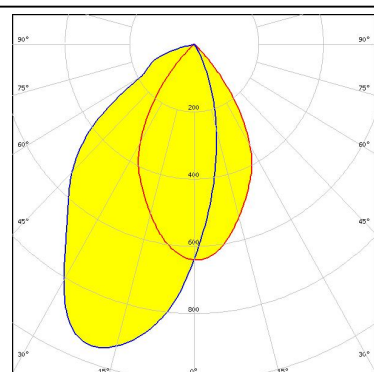
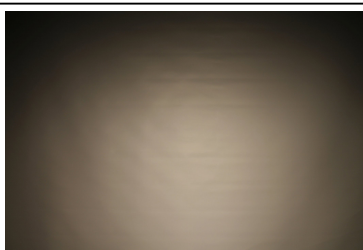
LED CMT19xx
FWHM Asymmetric
Efficiency 86 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 477 Typ L1



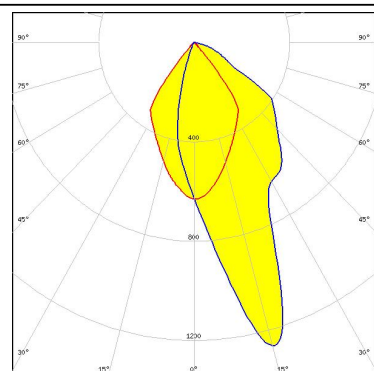
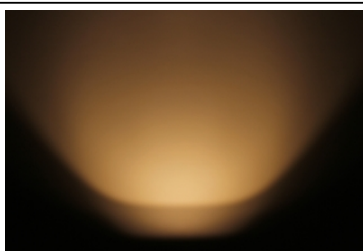
LED CMT28xx
FWHM Asymmetric
Efficiency 85 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
Bender Wirth: 471 Typ L3



LED CMT28xx
FWHM Asymmetric
Efficiency 85 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12692_LENA-STD-BASE-CLL040



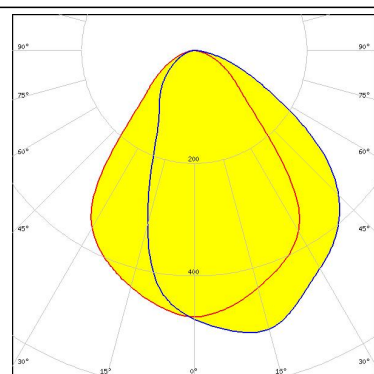
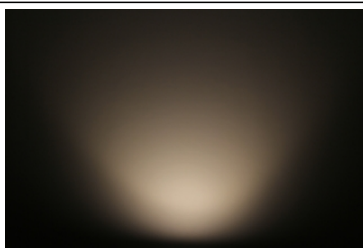
LED CXA/B 15xx
FWHM Asymmetric
Efficiency 89 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 441 Typ L1



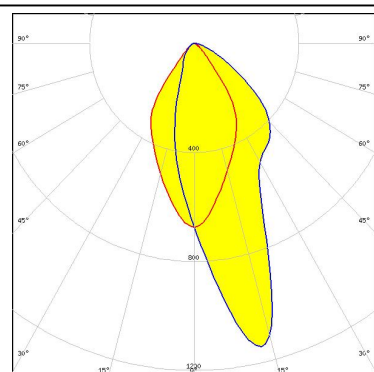
PHOTOMETRIC DATA (MEASURED):



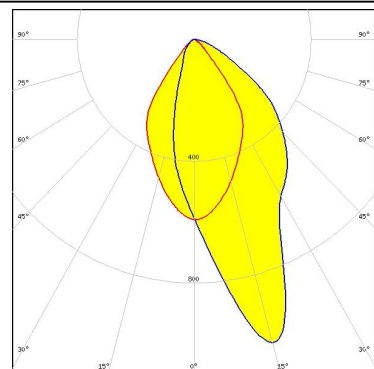
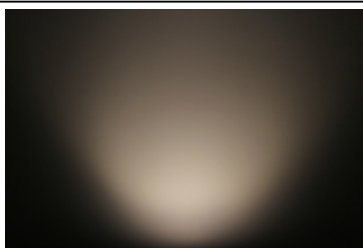
LED CXA/B 15xx
 FWHM Asymmetric
 Efficiency 86 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS
 Bender Wirth: 441 Typ L1



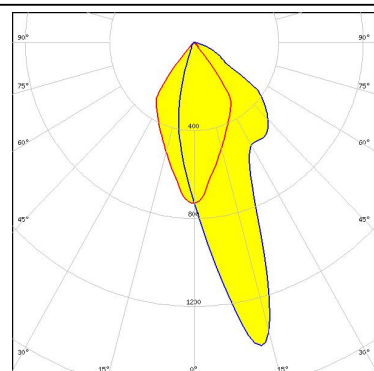
LED CXA/B 15xx
 FWHM Asymmetric
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13186_LENA-STD-BASE-CXA15
 C11996_LENA-LENS



LED CXA/B 15xx
 FWHM Asymmetric
 Efficiency 85 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS
 Bender Wirth: 441 Typ L1



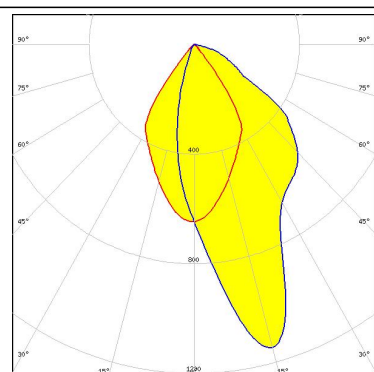
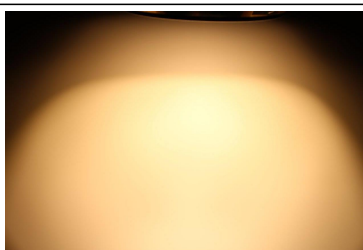
LED CXA/B 15xx
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13186_LENA-STD-BASE-CXA15



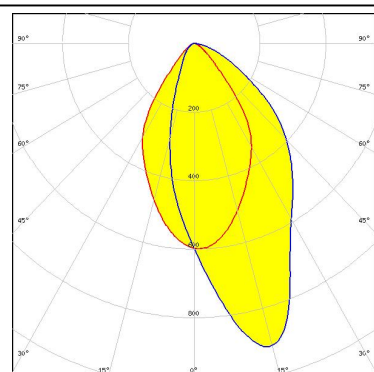
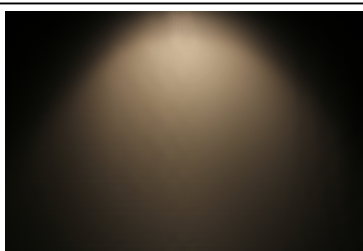
PHOTOMETRIC DATA (MEASURED):



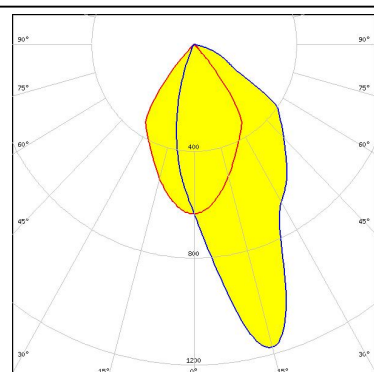
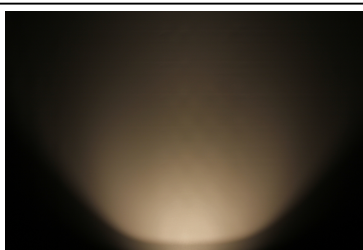
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14146_LENA-STD-BASE-CXA18



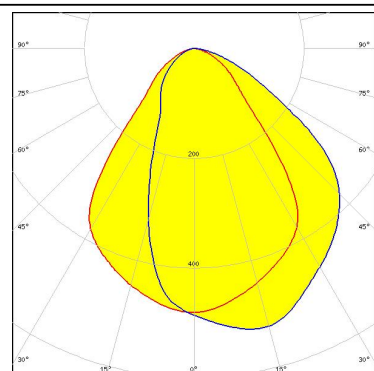
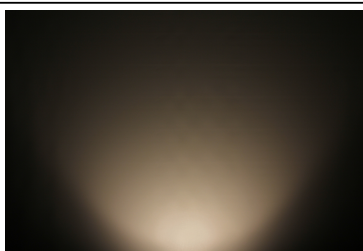
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM Asymmetric
 Efficiency 84 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS
 Bender Wirth: 437 Typ L1



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM Asymmetric
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 Bender Wirth: 437 Typ L1



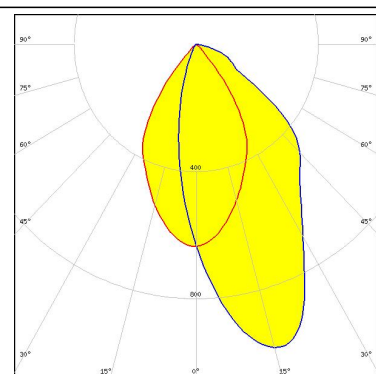
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM Asymmetric
 Efficiency 86 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS
 Bender Wirth: 437 Typ L1



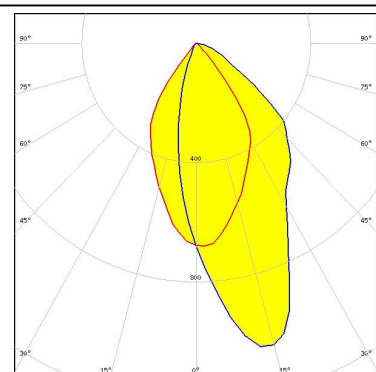
PHOTOMETRIC DATA (MEASURED):



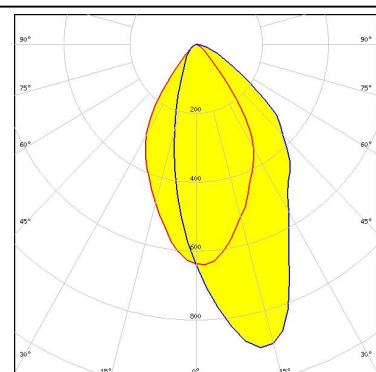
LED CXA/B 25xx
FWHM Asymmetric
Efficiency 75 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13324_LENA-STD-BASE-CXA25



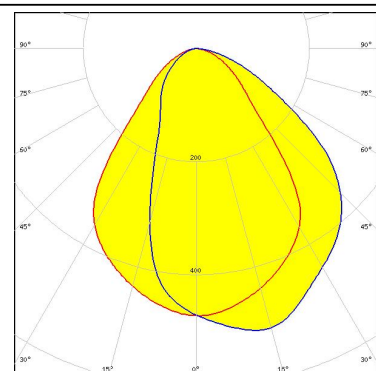
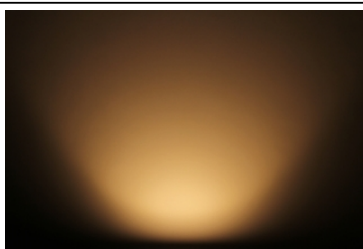
LED CXA2011
FWHM Asymmetric
Efficiency 79 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12105_LENA-STD-BASE-CXA20



LED CXA2011
FWHM Asymmetric
Efficiency 75 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12105_LENA-STD-BASE-CXA20
C11996_LENA-LENS



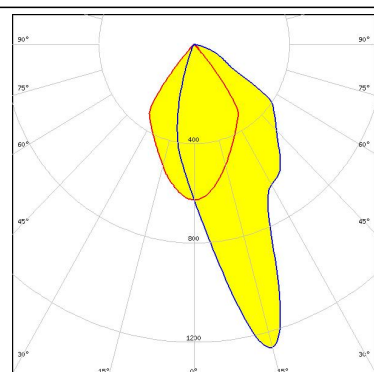
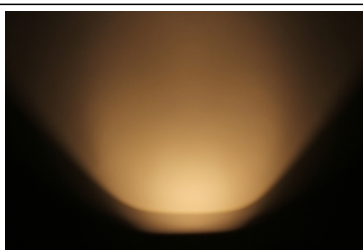
LED LUXEON CoB 1202/1203
FWHM Asymmetric
Efficiency 86 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 438 Typ L1



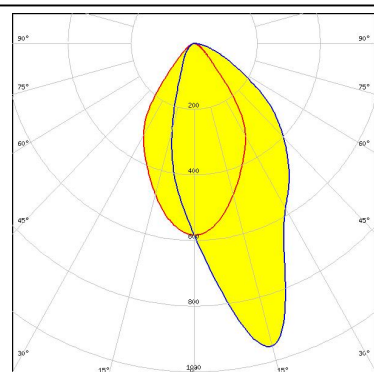
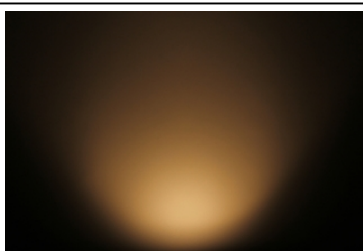
PHOTOMETRIC DATA (MEASURED):



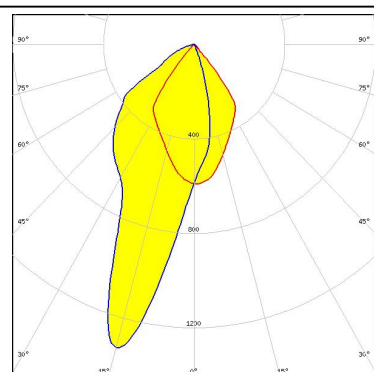
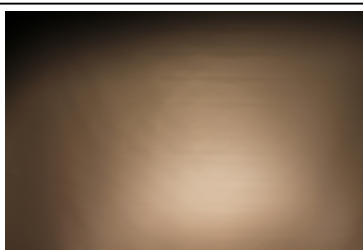
LED LUXEON CoB 1202/1203
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 Bender Wirth: 438 Typ L1



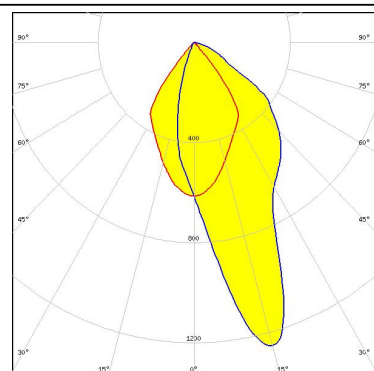
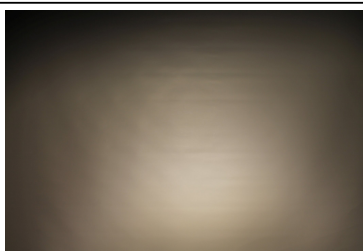
LED LUXEON CoB 1202/1203
 FWHM Asymmetric
 Efficiency 84 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS
 Bender Wirth: 438 Typ L1



LED LUXEON CoB 1204HD
 FWHM Asymmetric
 Efficiency 86 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C11981_LENA-STD-BASE-COB-L110



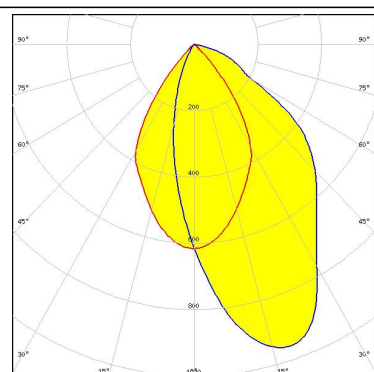
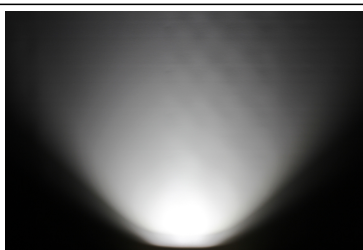
LED LUXEON CoB 1205HD
 FWHM Asymmetric
 Efficiency 86 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C11981_LENA-STD-BASE-COB-L110



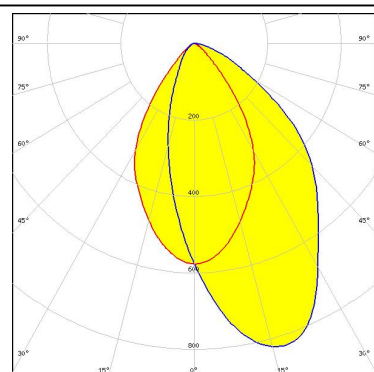
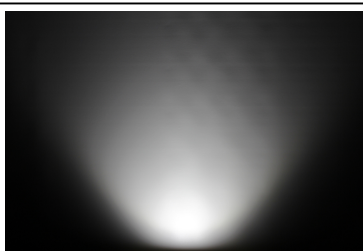
PHOTOMETRIC DATA (MEASURED):



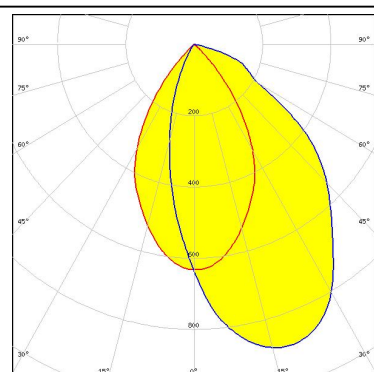
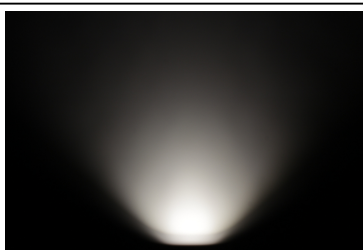
LED LUXEON CoB 1211
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13867_LENA-STD-BASE-VERO29
 Bender Wirth: 431 Typ L3



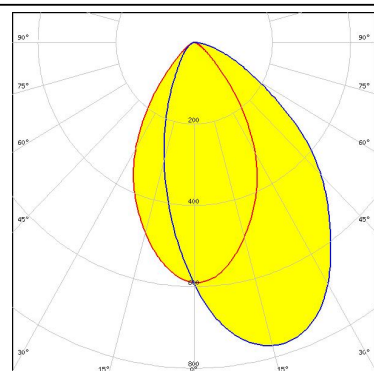
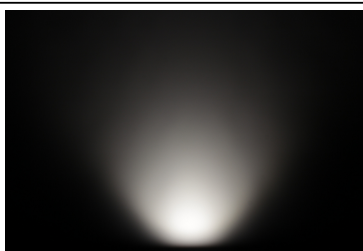
LED LUXEON CoB 1211
 FWHM Asymmetric
 Efficiency 84 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13867_LENA-STD-BASE-VERO29
 C11996_LENA-LENS
 Bender Wirth: 431 Typ L3



LED LUXEON CoB 1216/1812
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12692_LENA-STD-BASE-CLL040



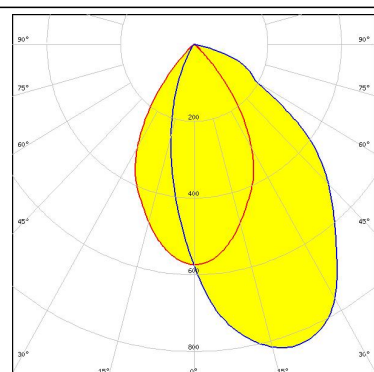
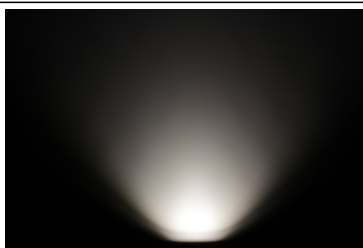
LED LUXEON CoB 1216/1812
 FWHM Asymmetric
 Efficiency 84 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12692_LENA-STD-BASE-CLL040
 C11996_LENA-LENS



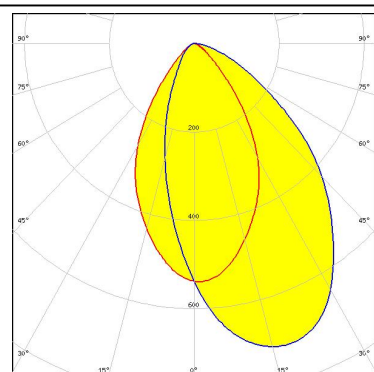
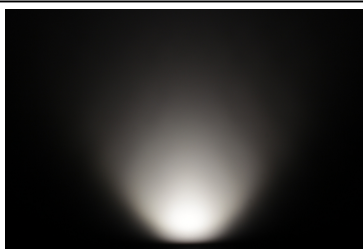
PHOTOMETRIC DATA (MEASURED):



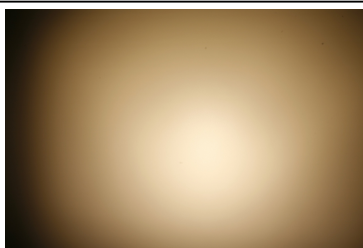
LED LUXEON CoB 1216/1812
 FWHM 60.0°
 Efficiency 81 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8102/G2 + S-8000/12



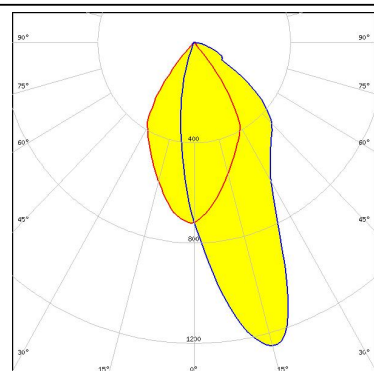
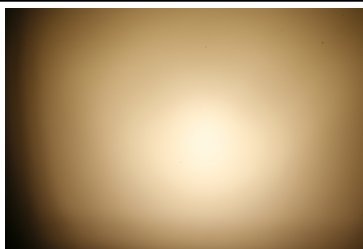
LED LUXEON CoB 1216/1812
 FWHM Asymmetric
 Efficiency 77 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C11996_LENA-LENS
 A.A.G. STUCCHI: 8102/G2 + S-8000/12



LED LUXEON K12
 FWHM Asymmetric
 Efficiency 77 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12924_LENA-STD-BASE-LUXEON-K
 C11996_LENA-LENS



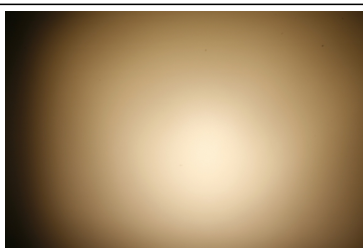
LED LUXEON K12
 FWHM Asymmetric
 Efficiency 82 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12924_LENA-STD-BASE-LUXEON-K



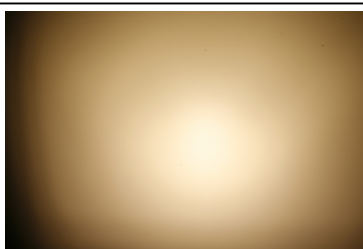
PHOTOMETRIC DATA (MEASURED):



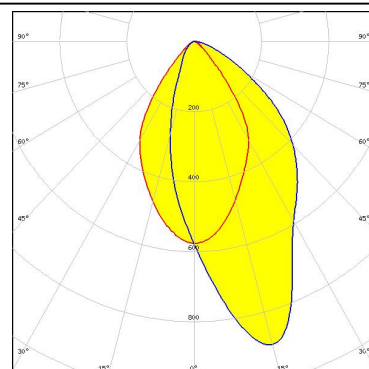
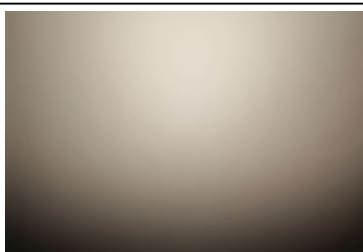
LED LUXEON K16
FWHM Asymmetric
Efficiency 76 %
Peak intensity 1 cd/Im
LEDs/each optic 1
Light colour White
Required components:
C12924_LENA-STD-BASE-LUXEON-K
C11996_LENA-LENS



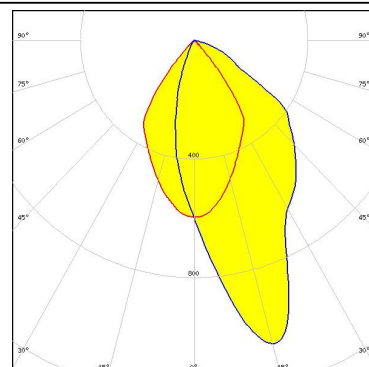
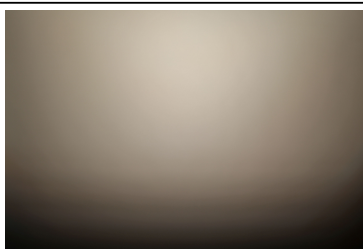
LED LUXEON K16
FWHM Asymmetric
Efficiency 81 %
Peak intensity 1.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:
C12924_LENA-STD-BASE-LUXEON-K



LED CDM-14 (Dim-To-Warm)
FWHM Asymmetric
Efficiency 83 %
Peak intensity 0.9 cd/Im
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 491 Typ L2



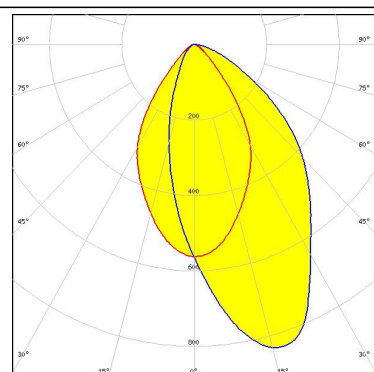
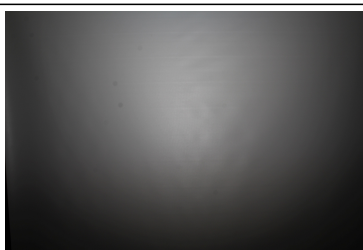
LED CDM-14 (Dim-To-Warm)
FWHM 59.0°
Efficiency 88 %
Peak intensity 1.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 491 Typ L2



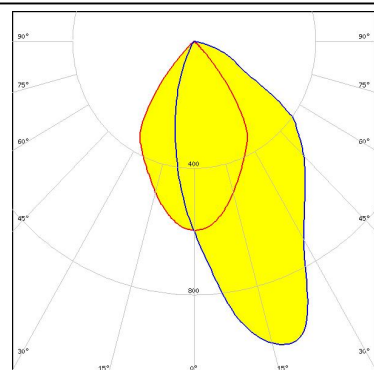
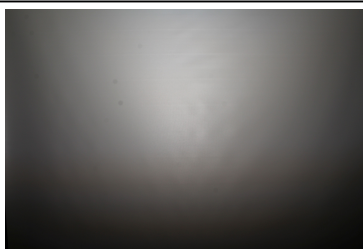
PHOTOMETRIC DATA (MEASURED):



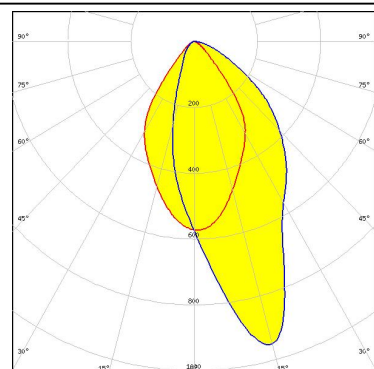
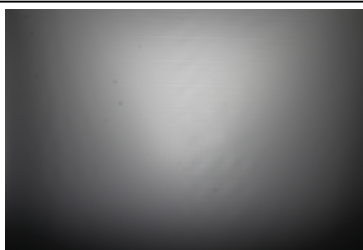
LED CDM-18 (Dim-To-Warm)
 FWHM Asymmetric
 Efficiency 83 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS
 Bender Wirth: 491 Typ L2



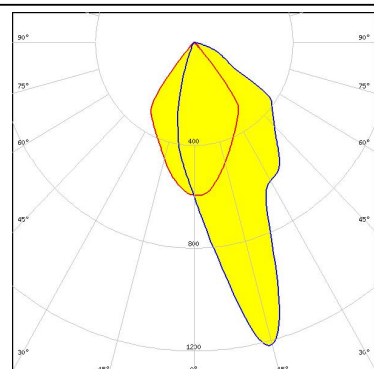
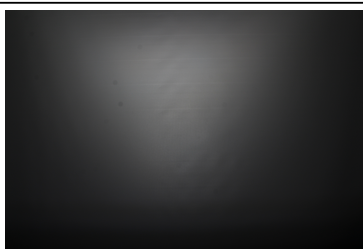
LED CDM-18 (Dim-To-Warm)
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 Bender Wirth: 491 Typ L2



LED CDM-9 (Dim-To-Warm)
 FWHM Asymmetric
 Efficiency 83 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS
 Bender Wirth: 490 Typ L1



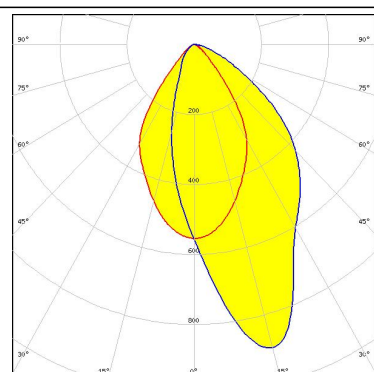
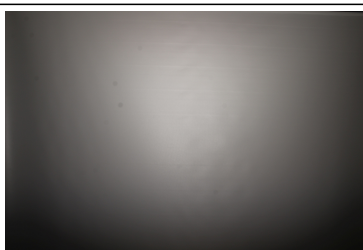
LED CDM-9 (Dim-To-Warm)
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENA-STD-BASE-VERO13-18
 Bender Wirth: 490 Typ L1



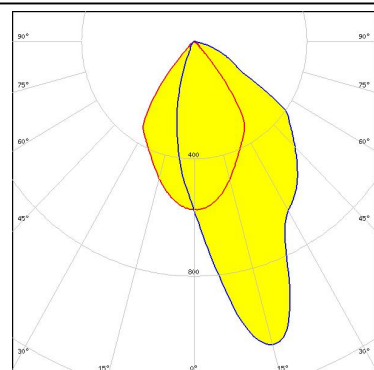
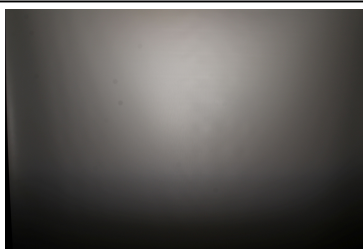
PHOTOMETRIC DATA (MEASURED):



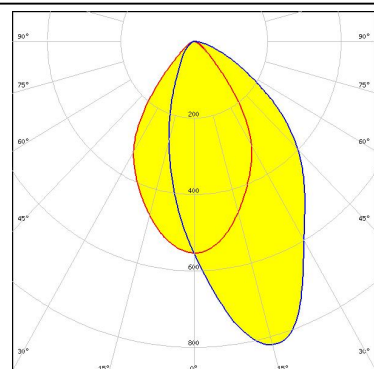
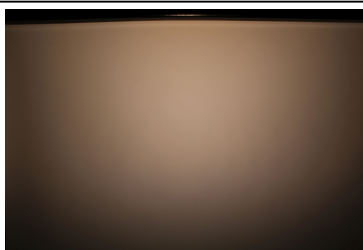
LED CTM-14 (Tunable White)
FWHM Asymmetric
Efficiency 87 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
C12606_LENINA-DL
Bender Wirth: 442 Typ L3



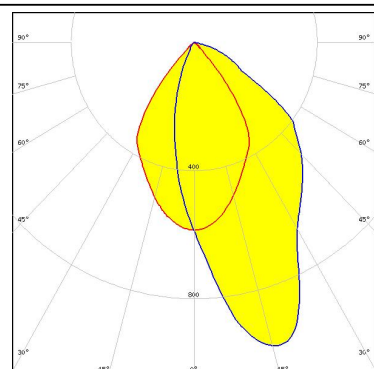
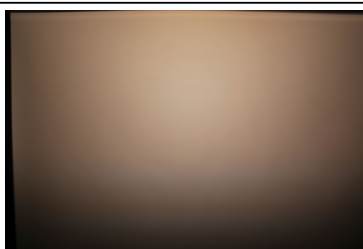
LED CTM-14 (Tunable White)
FWHM Asymmetric
Efficiency 87 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
Bender Wirth: 442 Typ L3



LED CTM-18 (Tunable White)
FWHM Asymmetric
Efficiency 82 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
C11996_LENA-LENS
Bender Wirth: 442 Typ L3



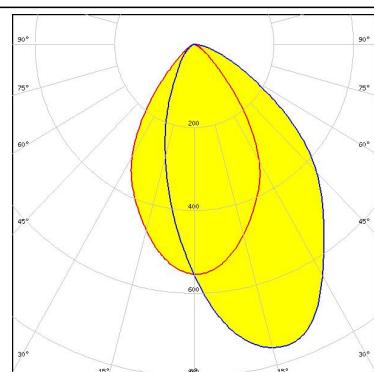
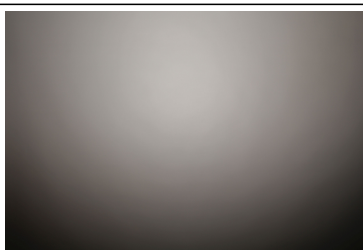
LED CTM-18 (Tunable White)
FWHM Asymmetric
Efficiency 88 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
Bender Wirth: 442 Typ L3



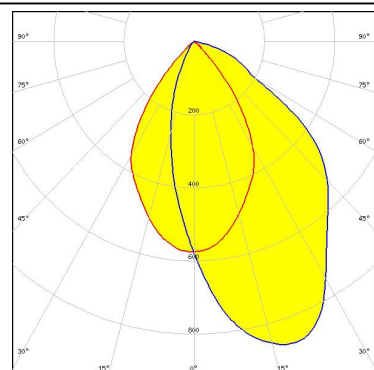
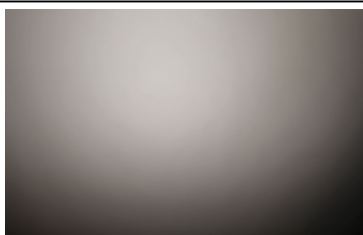
PHOTOMETRIC DATA (MEASURED):



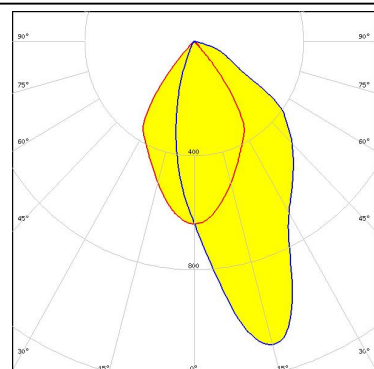
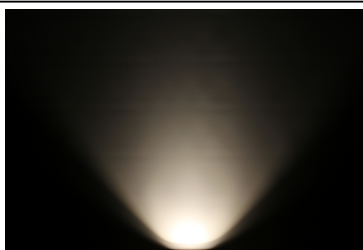
LED CTM-22 (Tunable White)
FWHM Asymmetric
Efficiency 83 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
C11996_LENA-LENS
Bender Wirth: 494 Typ L3



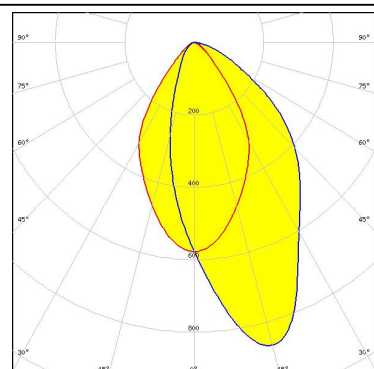
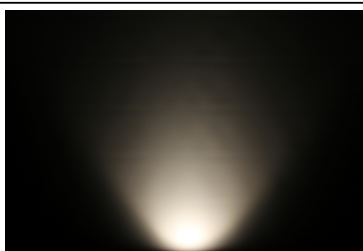
LED CTM-22 (Tunable White)
FWHM Asymmetric
Efficiency 87 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
Bender Wirth: 494 Typ L3



LED CxM-14 (19x19)
FWHM Asymmetric
Efficiency 87 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENA-STD-BASE-CLL030



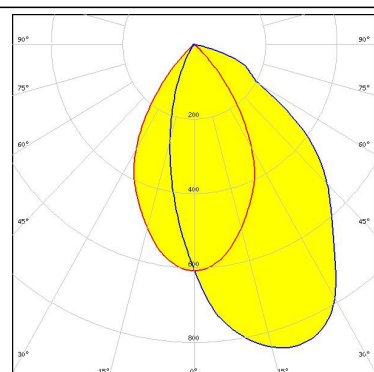
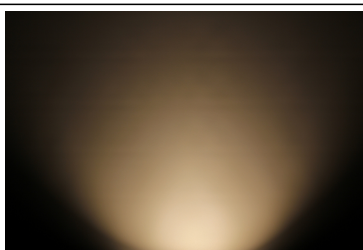
LED CxM-14 (19x19)
FWHM Asymmetric
Efficiency 82 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENA-STD-BASE-CLL030
C11996_LENA-LENS



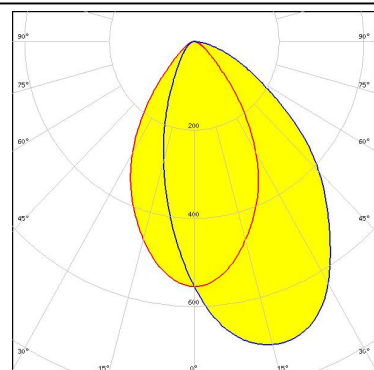
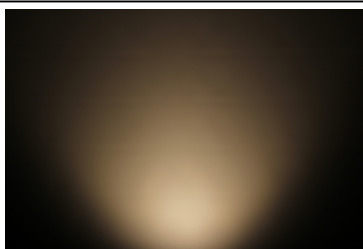
PHOTOMETRIC DATA (MEASURED):



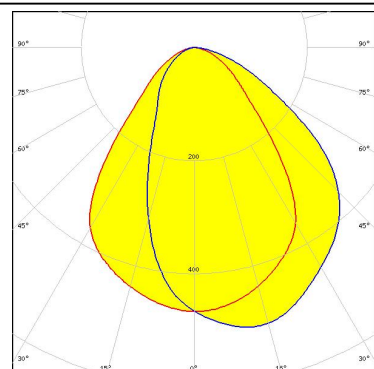
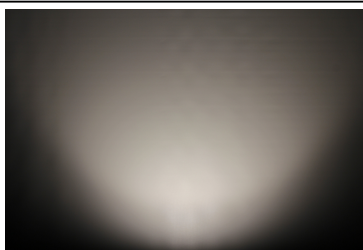
LED CxM-22 (28x28)
FWHM Asymmetric
Efficiency 84 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12692_LENA-STD-BASE-CLL040



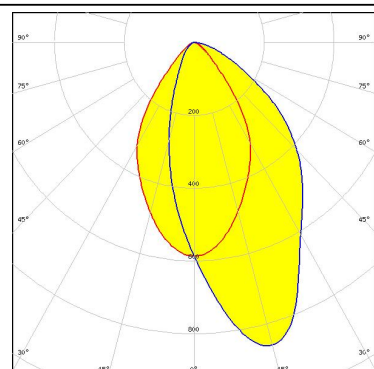
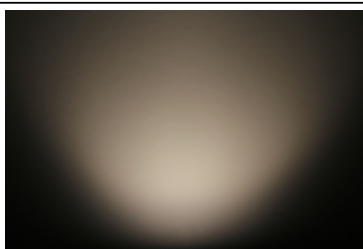
LED CxM-22 (28x28)
FWHM Asymmetric
Efficiency 79 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12692_LENA-STD-BASE-CLL040
C11996_LENA-LENS



LED COB J-Type
FWHM Asymmetric
Efficiency 86 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 463 Typ L2



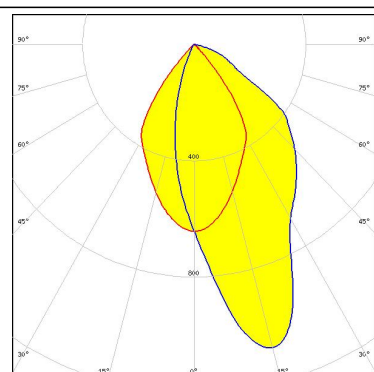
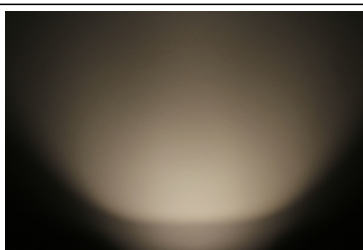
LED COB J-Type
FWHM Asymmetric
Efficiency 84 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 463 Typ L2



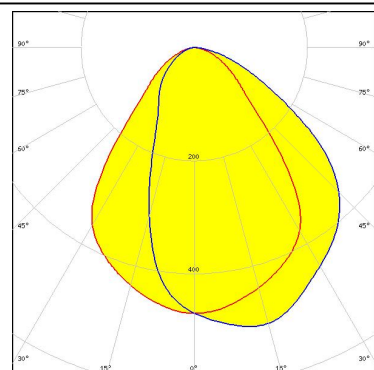
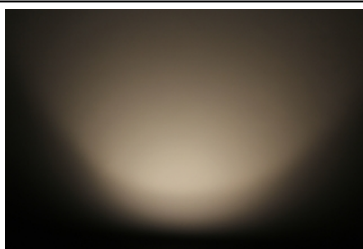
PHOTOMETRIC DATA (MEASURED):



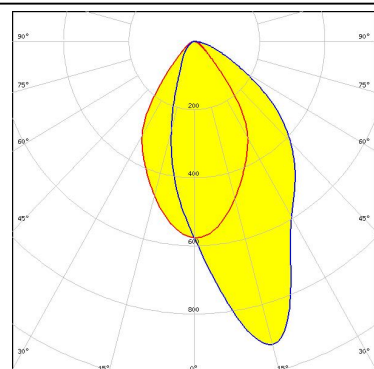
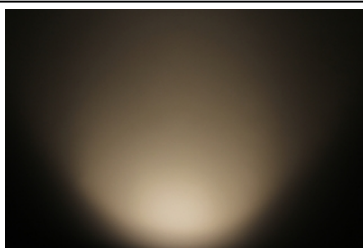
LED COB J-Type
FWHM Asymmetric
Efficiency 89 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 463 Typ L2



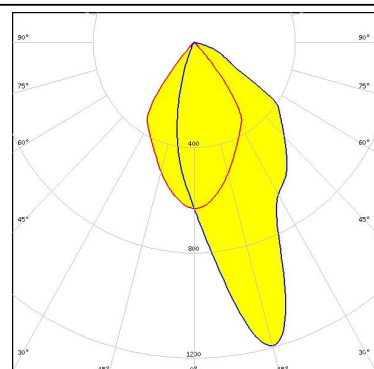
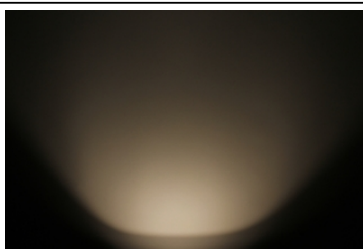
LED COB L-Type (LES 11)
FWHM Asymmetric
Efficiency 86 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 438 Typ L1



LED COB L-Type (LES 11)
FWHM Asymmetric
Efficiency 84 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 438 Typ L1



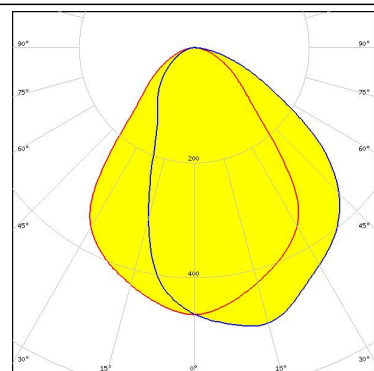
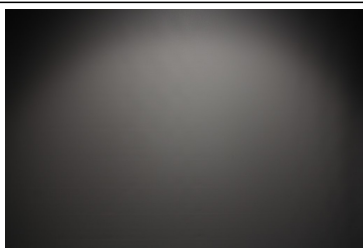
LED COB L-Type (LES 11)
FWHM Asymmetric
Efficiency 89 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 438 Typ L1



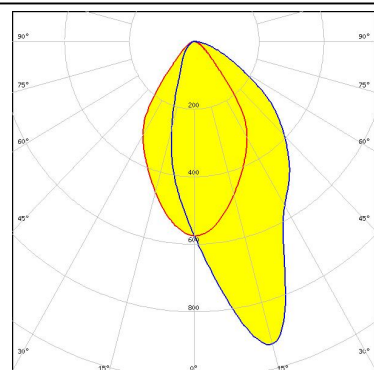
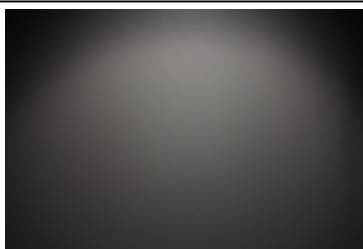
PHOTOMETRIC DATA (MEASURED):



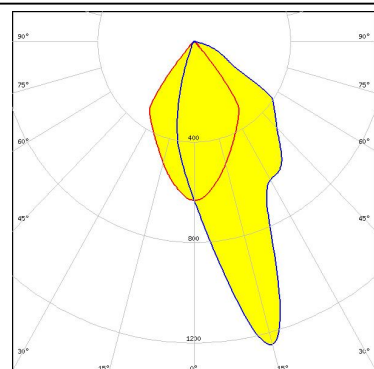
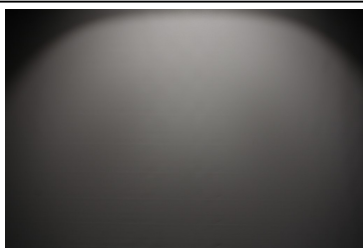
LED COB L-Type (LES 9)
FWHM Asymmetric
Efficiency 85 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 438 Typ L1



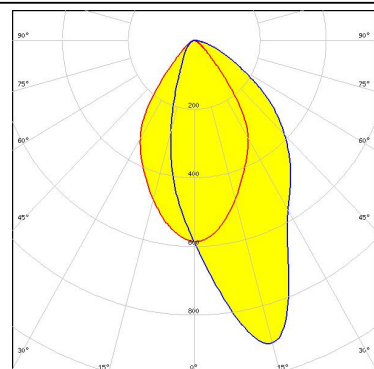
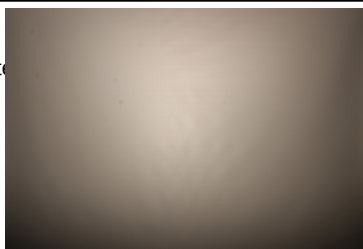
LED COB L-Type (LES 9)
FWHM Asymmetric
Efficiency 84 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 438 Typ L1



LED COB L-Type (LES 9)
FWHM Asymmetric
Efficiency 90 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 438 Typ L1



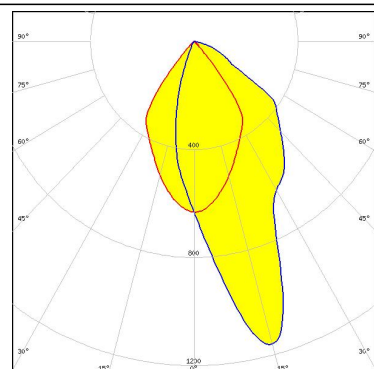
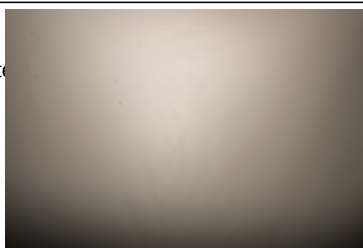
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
FWHM Asymmetric
Efficiency 83 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 498 Typ L2



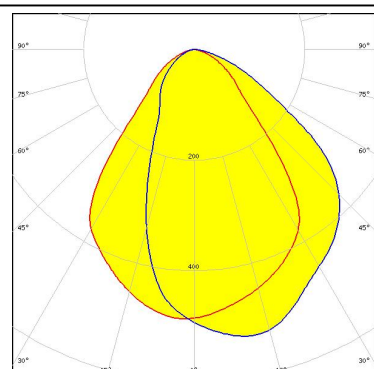
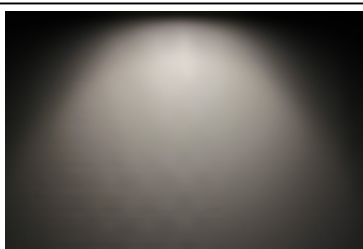
PHOTOMETRIC DATA (MEASURED):



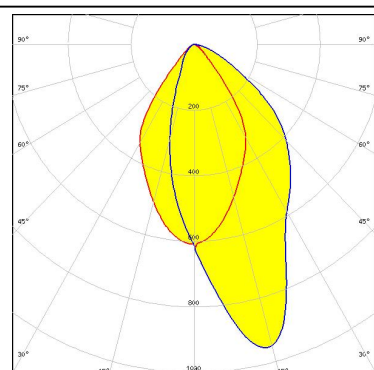
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
FWHM Asymmetric
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 498 Typ L2



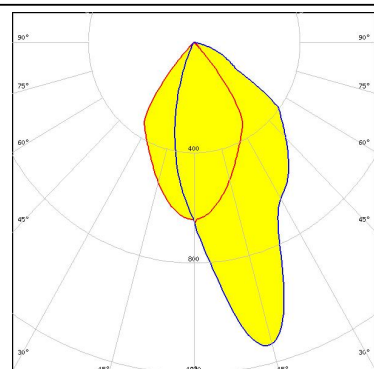
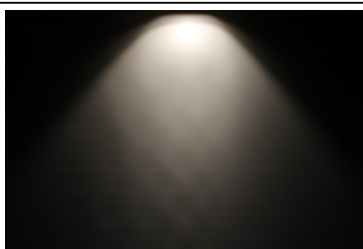
LED Soleriq S13
FWHM Asymmetric
Efficiency 86 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 437 Typ L1



LED Soleriq S13
FWHM Asymmetric
Efficiency 84 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 437 Typ L1



LED Soleriq S13
FWHM Asymmetric
Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 437 Typ L1

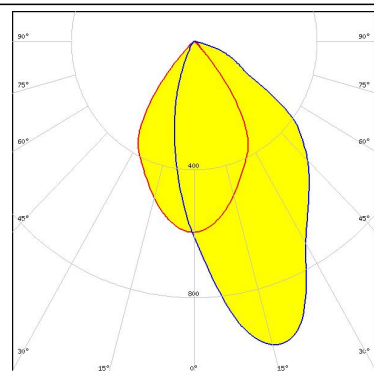
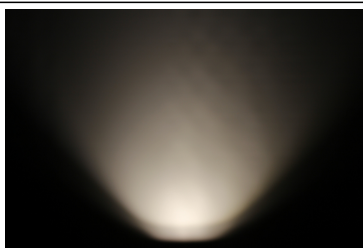


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

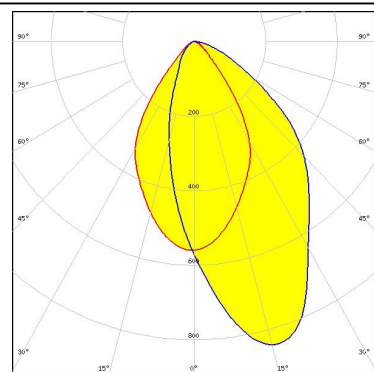
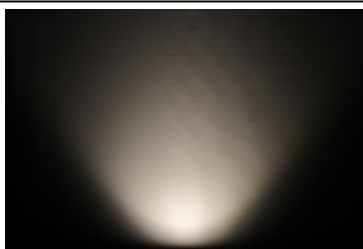
LED Soleriq S19
FWHM Asymmetric
Efficiency 89 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
Bender Wirth: 462 Typ L3



OSRAM

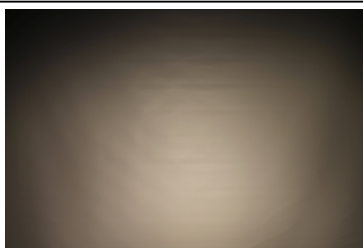
Opto Semiconductors

LED Soleriq S19
FWHM Asymmetric
Efficiency 84 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENA-STD-BASE-VERO29
C11996_LENA-LENS
Bender Wirth: 462 Typ L3



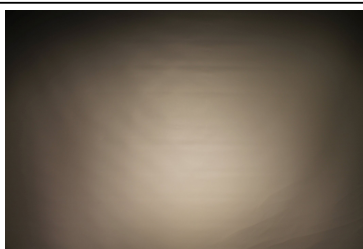
PHILIPS

LED Fortimo SLM L13 CoB
FWHM Asymmetric
Efficiency 80 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12292_LENA-STD-BASE-MEZ
C11996_LENA-LENS



PHILIPS

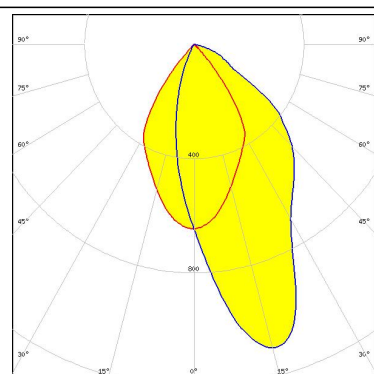
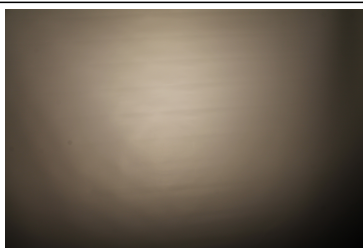
LED Fortimo SLM L13 CoB
FWHM Asymmetric
Efficiency 85 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12292_LENA-STD-BASE-MEZ



PHOTOMETRIC DATA (MEASURED):

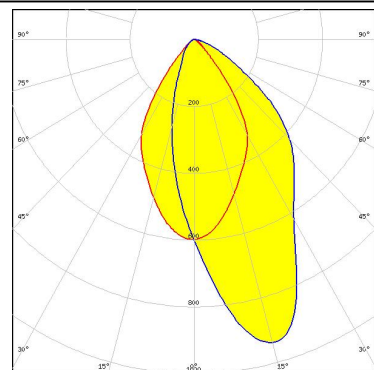
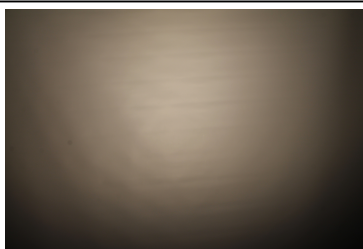
PHILIPS

LED Fortimo SLM L15 CoB
 FWHM Asymmetric
 Efficiency 85 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12292_LENA-STD-BASE-MEZ



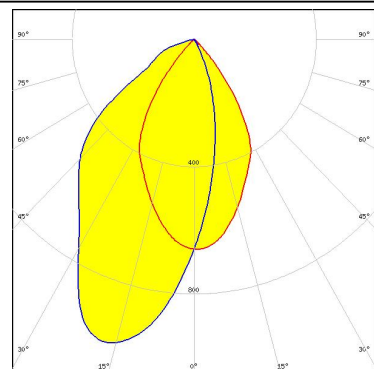
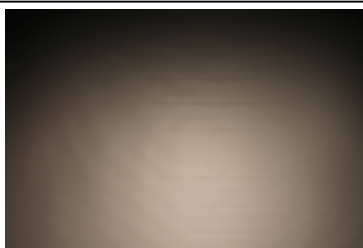
PHILIPS

LED Fortimo SLM L15 CoB
 FWHM Asymmetric
 Efficiency 80 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12292_LENA-STD-BASE-MEZ
 C11996_LENA-LENS



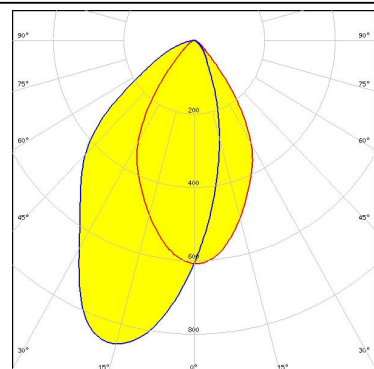
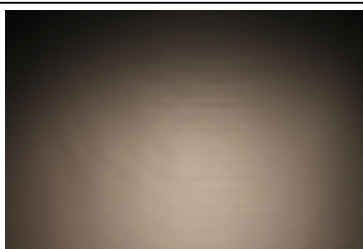
PHILIPS

LED Fortimo SLM L19 CoB
 FWHM Asymmetric
 Efficiency 85 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12692_LENA-STD-BASE-CLL040



PHILIPS

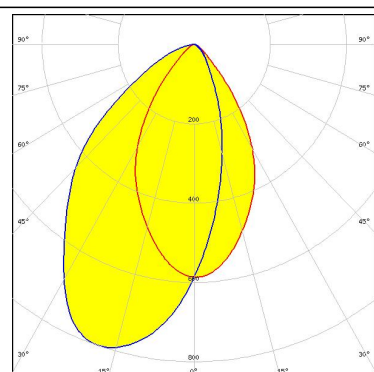
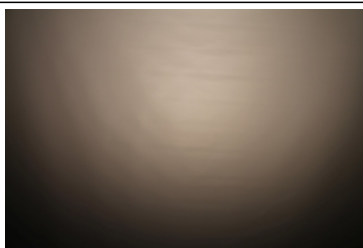
LED Fortimo SLM L19 CoB
 FWHM Asymmetric
 Efficiency 80 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12692_LENA-STD-BASE-CLL040
 C11996_LENA-LENS



PHOTOMETRIC DATA (MEASURED):

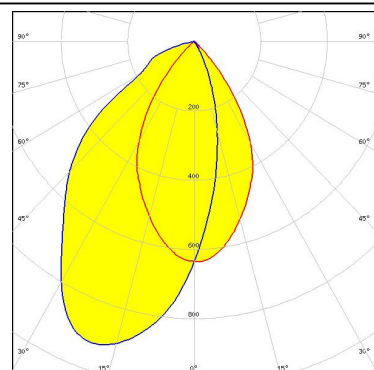
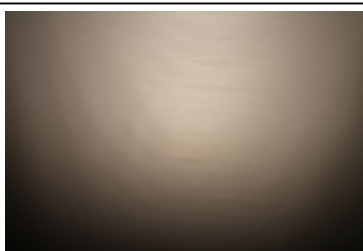
PHILIPS

LED Fortimo SLM L23 CoB
FWHM Asymmetric
Efficiency 80 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12692_LENA-STD-BASE-CLL040
C11996_LENA-LENS



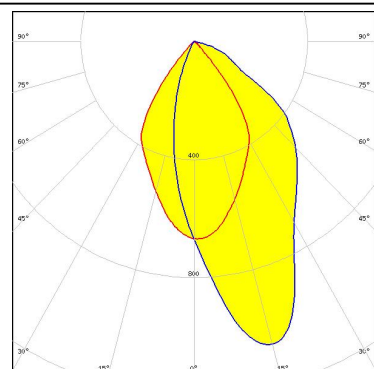
PHILIPS

LED Fortimo SLM L23 CoB
FWHM Asymmetric
Efficiency 85 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12692_LENA-STD-BASE-CLL040



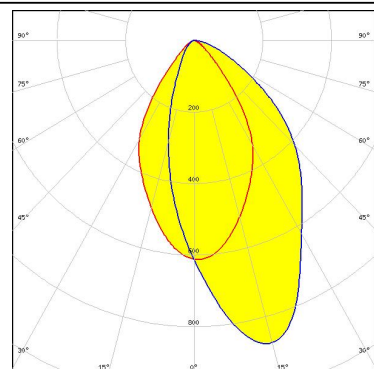
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
FWHM Asymmetric
Efficiency 89 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENA-STD-BASE-CLL030



SAMSUNG

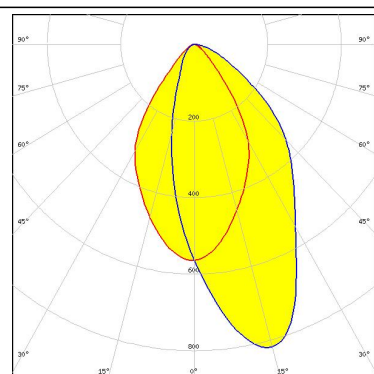
LED LC016D / LC019D / LC026D / LC033D
FWHM Asymmetric
Efficiency 84 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENA-STD-BASE-CLL030
C11996_LENA-LENS



PHOTOMETRIC DATA (MEASURED):

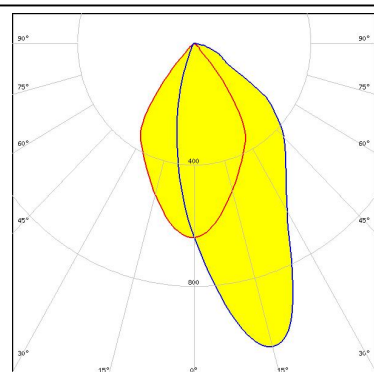
SHARP

LED Mega Zenigata (GW6DME)
FWHM Asymmetric
Efficiency 75 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12292_LENA-STD-BASE-MEZ
C11996_LENA-LENS



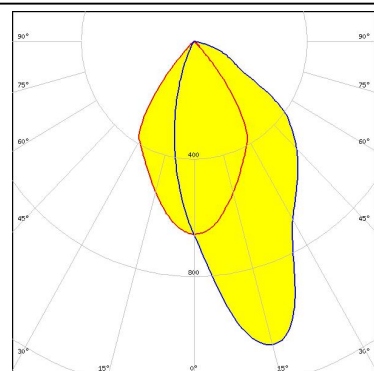
SHARP

LED Mega Zenigata (GW6DME)
FWHM Asymmetric
Efficiency 80 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12292_LENA-STD-BASE-MEZ



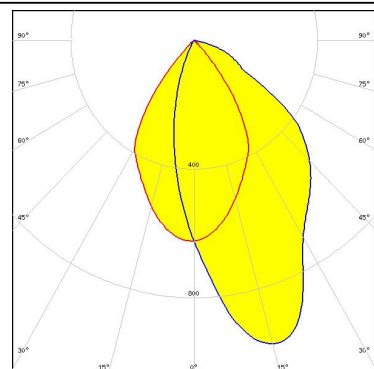
TRIDONIC

LED SLE G7 LES15
FWHM Asymmetric
Efficiency 89 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENA-STD-BASE-CLL030



TRIDONIC

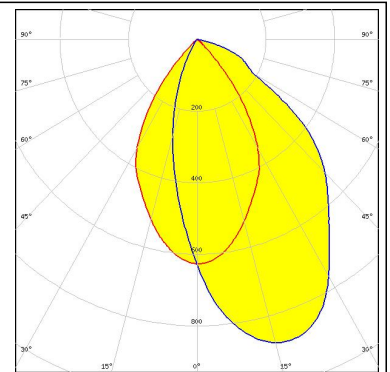
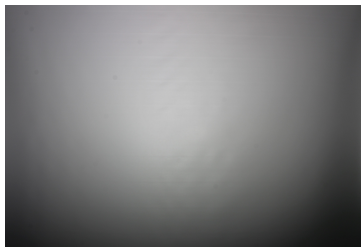
LED SLE G7 LES17 H
FWHM Asymmetric
Efficiency 87 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14547_LENA-ADAPTER-B



PHOTOMETRIC DATA (MEASURED):

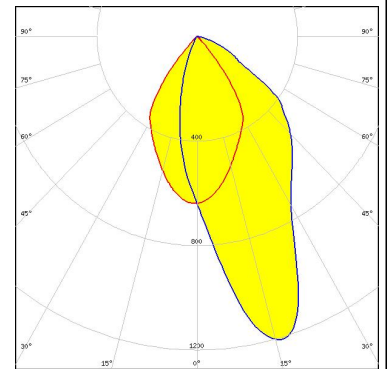
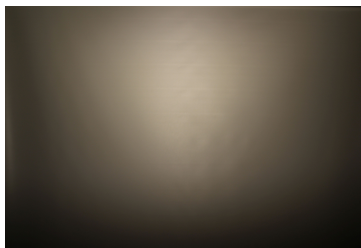
TRIDONIC

LED SLE G7 LES21 H
FWHM Asymmetric
Efficiency 86 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14547_LENA-ADAPTER-B



XICATO

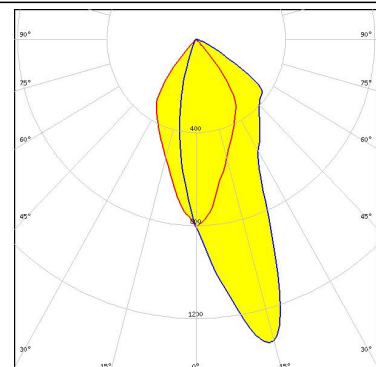
LED XOB 14.5 mm
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENA-STD-BASE-CLL030



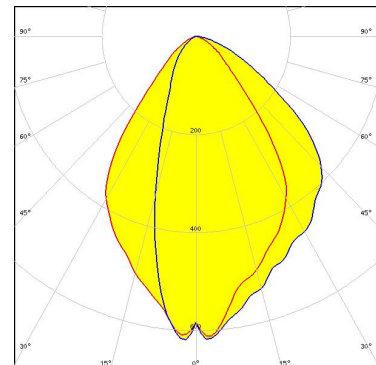
PHOTOMETRIC DATA (SIMULATED):



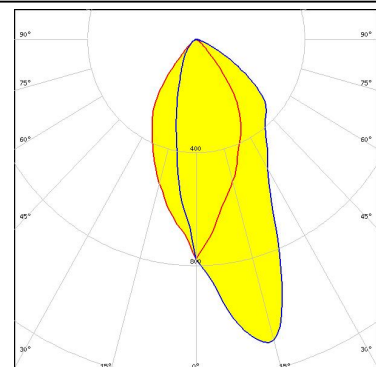
LED V10 Gen7
FWHM Asymmetric
Efficiency 88 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13868_LENA-STD-BASE-VERO13-18
 Bender Wirth: 486 Typ L1



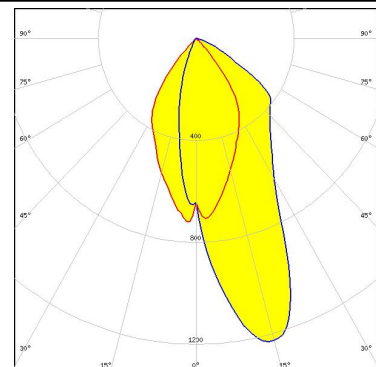
LED V10 Gen7
FWHM Asymmetric
Efficiency 81 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS
 Bender Wirth: 486 Typ L1



LED V10 Gen7
FWHM Asymmetric
Efficiency 84 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS
 Bender Wirth: 486 Typ L1



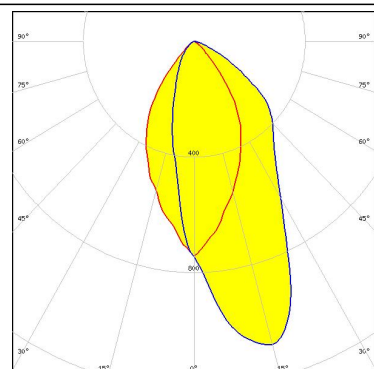
LED V13 Gen7
FWHM Asymmetric
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13868_LENA-STD-BASE-VERO13-18
 Bender Wirth: 477 Typ L1



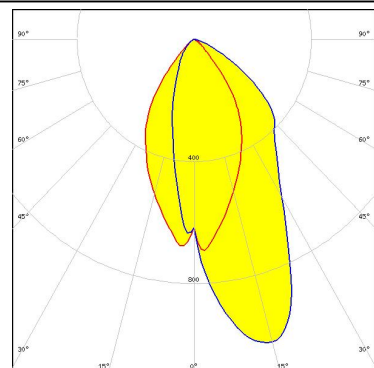
PHOTOMETRIC DATA (SIMULATED):



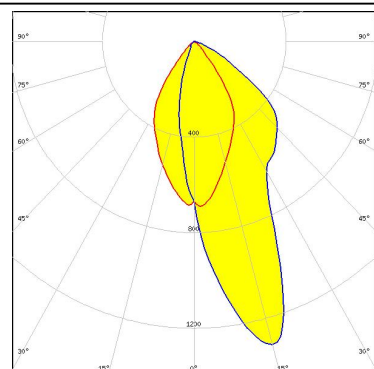
LED V13 Gen7
FWHM Asymmetric
Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS
 Bender Wirth: 477 Typ L1



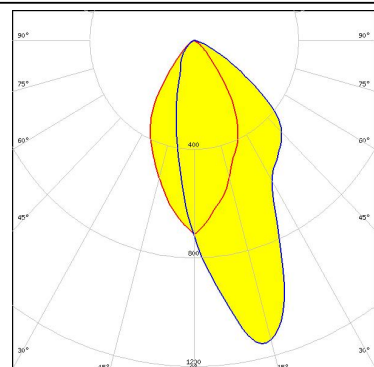
LED V13 Gen7
FWHM Asymmetric
Efficiency 84 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C11996_LENA-LENS
 Bender Wirth: 477 Typ L1



LED V13 Gen7
FWHM Asymmetric
Efficiency 88 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 IDEAL: 50-2103CT + 50-2100LN



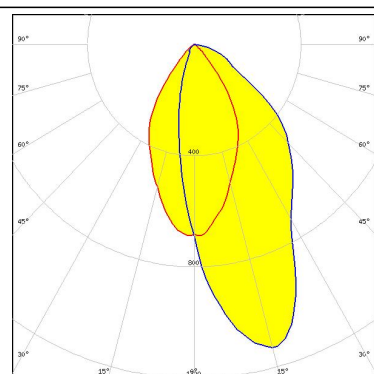
LED V13 Gen7
FWHM Asymmetric
Efficiency 85 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C11996_LENA-LENS



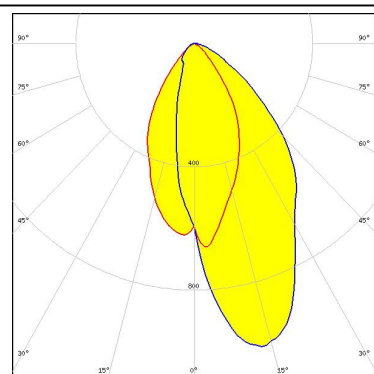
PHOTOMETRIC DATA (SIMULATED):



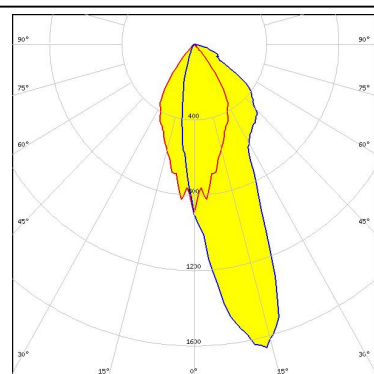
LED CXA/B 30xx
FWHM Asymmetric
Efficiency 85 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2234C + 50-2100LN



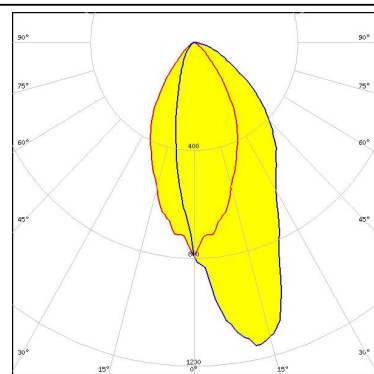
LED CXA/B 30xx
FWHM Asymmetric
Efficiency 81 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C11996_LENA-LENS
IDEAL: 50-2234C + 50-2100LN



LED LUXEON CoB 1204/1205
FWHM Asymmetric
Efficiency 93 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12292_LENA-STD-BASE-MEZ



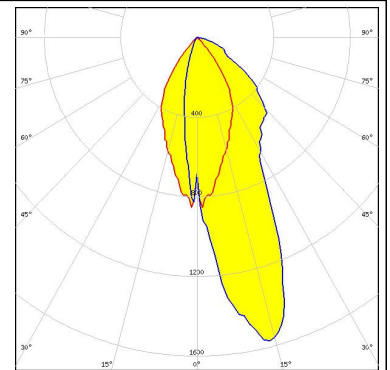
LED LUXEON CoB 1204/1205
FWHM Asymmetric
Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12292_LENA-STD-BASE-MEZ
C11996_LENA-LENS



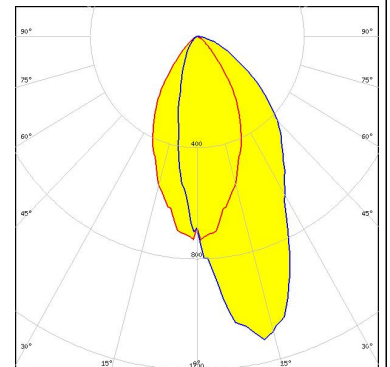
PHOTOMETRIC DATA (SIMULATED):



LED LUXEON CoB 1208
FWHM Asymmetric
Efficiency 92 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12292_LENA-STD-BASE-MEZ



LED LUXEON CoB 1208
FWHM Asymmetric
Efficiency 87 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12292_LENA-STD-BASE-MEZ
C11996_LENA-LENS



LED CxM-14 (19x19)
FWHM Asymmetric
Efficiency 87 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 433 Typ L1



LED CxM-14 (19x19)
FWHM Asymmetric
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 433 Typ L1

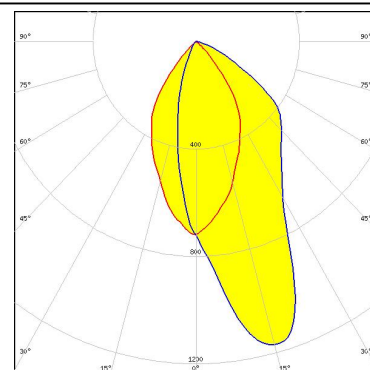
PHOTOMETRIC DATA (SIMULATED):



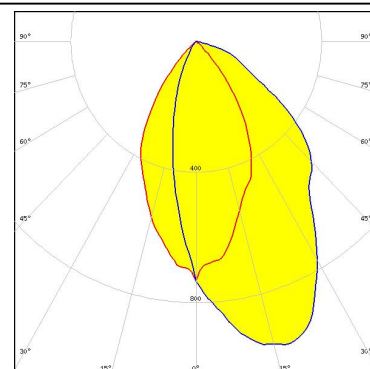
LED CxM-14 (19x19)
FWHM Asymmetric
Efficiency 85 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 433 Typ L1



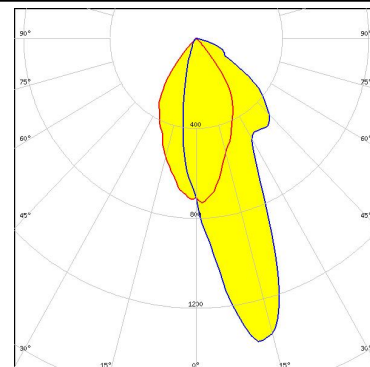
LED Soleriq S15
FWHM Asymmetric
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENA-STD-BASE-CLL030



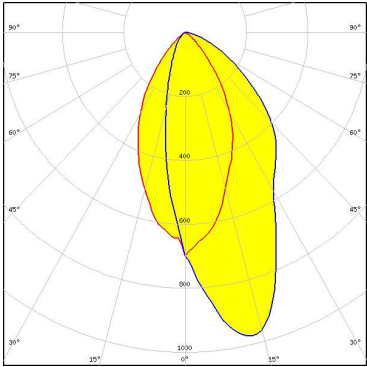
LED LC040D / LC060D / LC080D
FWHM Asymmetric
Efficiency 86 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12692_LENA-STD-BASE-CLL040



LED ZC12/18
FWHM Asymmetric
Efficiency 86 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENA-STD-BASE-CLL030



PHOTOMETRIC DATA (SIMULATED):

 SEOUL SEMICONDUCTOR LED ZC12/18 FWHM Asymmetric Efficiency 87 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: C13868_LENA-STD-BASE-VERO13-18 C11996_LENA-LENS Bender Wirth: 433 Typ L1	
 SEOUL SEMICONDUCTOR LED ZC12/18 FWHM Asymmetric Efficiency 90 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: C13868_LENA-STD-BASE-VERO13-18 Bender Wirth: 433 Typ L1	
 SEOUL SEMICONDUCTOR LED ZC12/18 FWHM Asymmetric Efficiency % LEDs/each optic 1 Light colour White Required components: C12691_LENA-STD-BASE-CLL030 C11996_LENA-LENS	
 SEOUL SEMICONDUCTOR LED ZC12/18 FWHM Asymmetric Efficiency 85 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: C13868_LENA-STD-BASE-VERO13-18 C11996_LENA-LENS Bender Wirth: 433 Typ L1	

PHOTOMETRIC DATA (SIMULATED):

SHARP

LED Mega Zenigata (GW5DGC)
FWHM Asymmetric
Efficiency %
LEDs/each optic 1
Light colour White
Required components:
C12292_LENA-STD-BASE-MEZ

SHARP

LED Mega Zenigata (GW5DGC)
FWHM Asymmetric
Efficiency %
LEDs/each optic 1
Light colour White
Required components:
C12292_LENA-STD-BASE-MEZ
C11996_LENA-LENS

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru