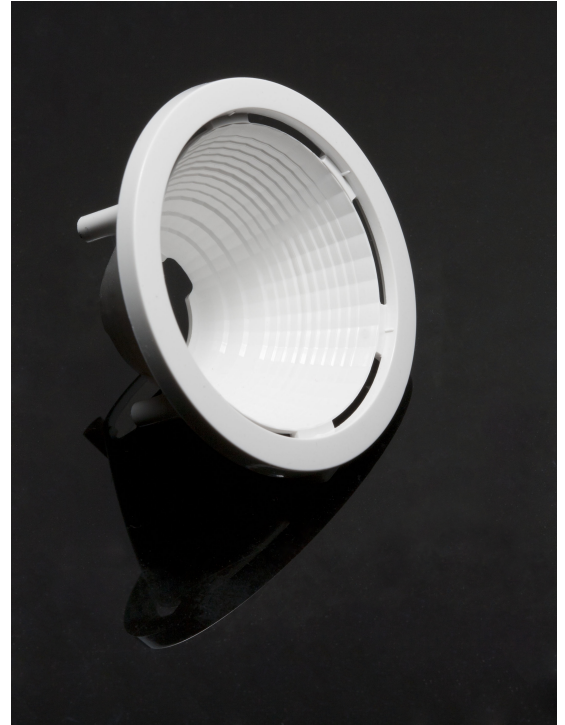


MIRELLA-XW-PF

~80° wide beam

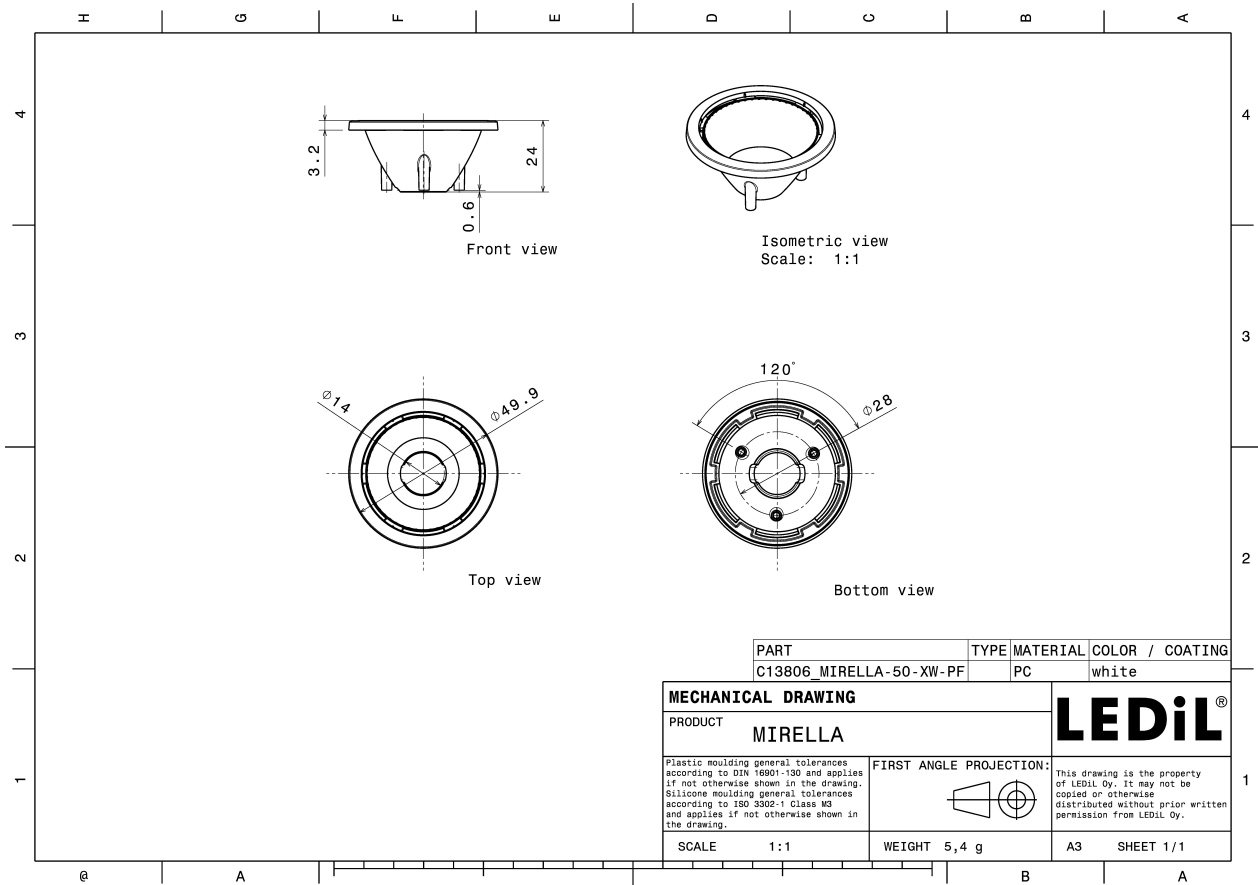
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50.0 mm
Height	23.9 mm
Fastening	socket
Colour	white
Box size	480 x 280 x 300 mm
Box weight	3.3 kg
Quantity in Box	336 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

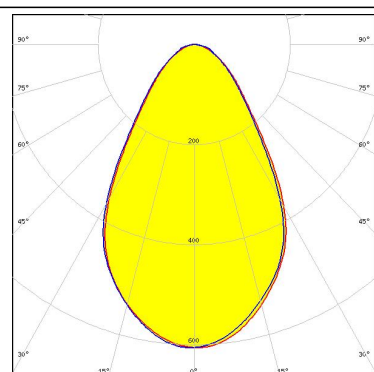
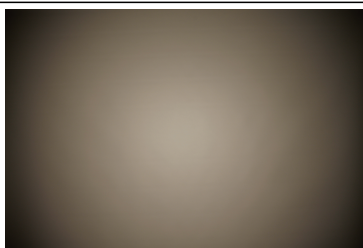
Component	Type	Material	Colour	Coating
MIRELLA-XW-PF	Reflector	HRPC	white	



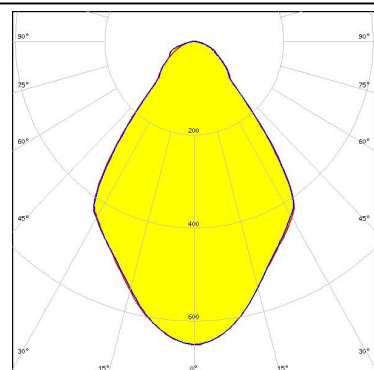
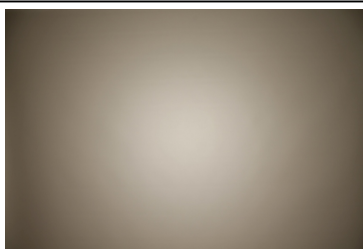
PHOTOMETRIC DATA (MEASURED):



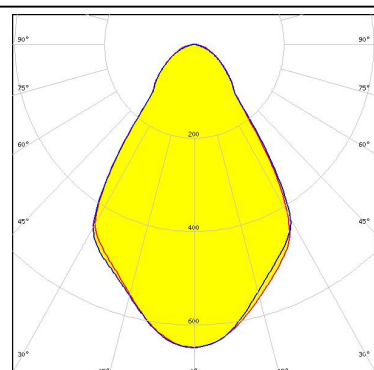
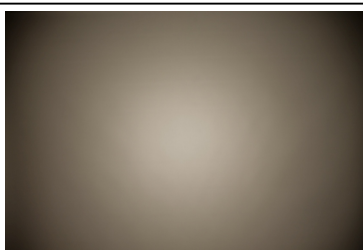
LED V10 Gen7
 FWHM 66.0°
 Efficiency 84 %
 Peak intensity 0.610 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL



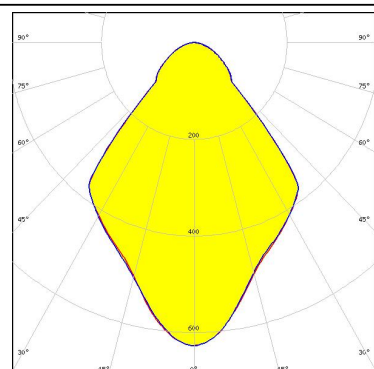
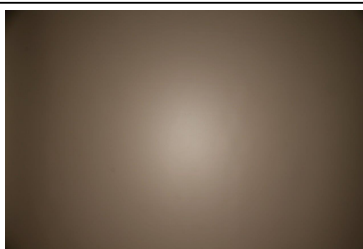
LED V10 Gen7
 FWHM 73.0°
 Efficiency 91 %
 Peak intensity 0.650 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 486 Typ L1



LED V10 Gen7
 FWHM 68.0°
 Efficiency 87 %
 Peak intensity 0.650 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 486 Typ L1



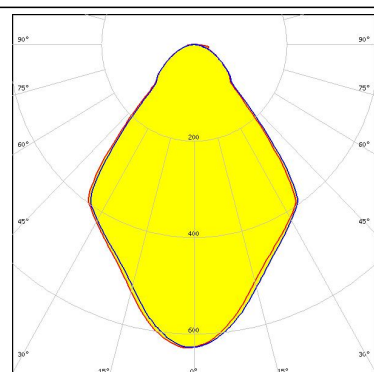
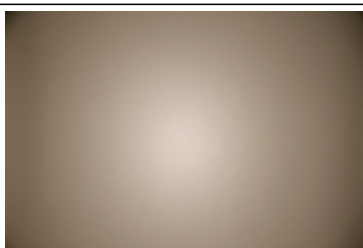
LED V6 Gen6
 FWHM 79.0°
 Efficiency 91 %
 Peak intensity 0.630 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15



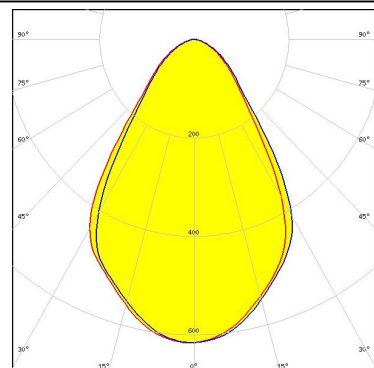
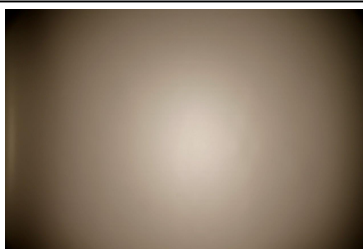
PHOTOMETRIC DATA (MEASURED):



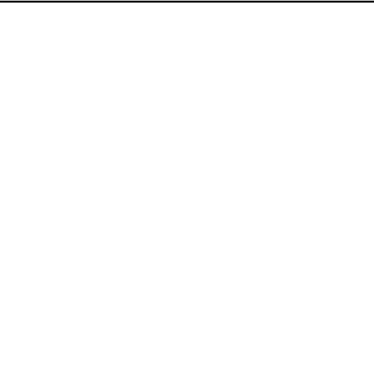
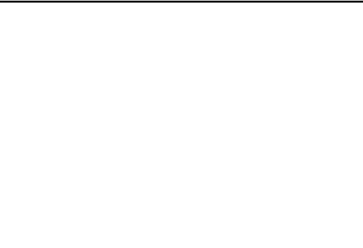
LED V8 Gen6
FWHM 77.0°
Efficiency 91 %
Peak intensity 0.630 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13761_PF-SOCKET-CXA15



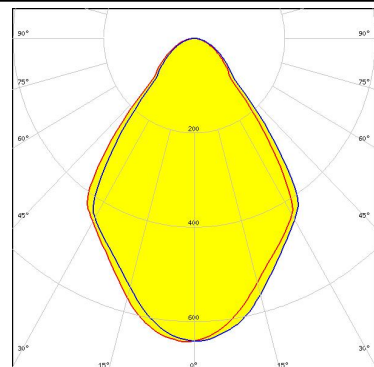
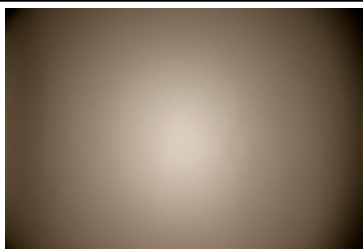
LED VERO10
FWHM 69.0°
Efficiency 87 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13708_PF-SOCKET-VERO10
C12479_MIRELLA-DL



LED VERO10
FWHM 69.0°
Efficiency 87 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13708_PF-SOCKET-VERO10
C13333_MIRELLA-CL



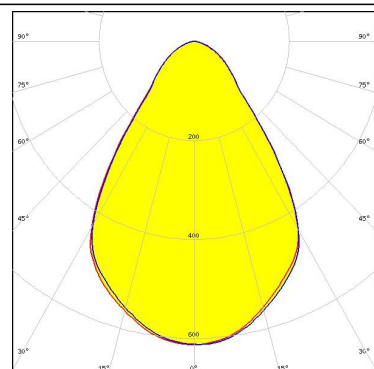
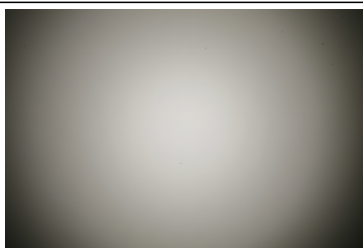
LED VERO10
FWHM 74.0°
Efficiency 92 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13708_PF-SOCKET-VERO10



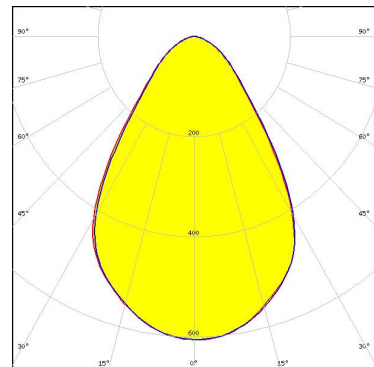
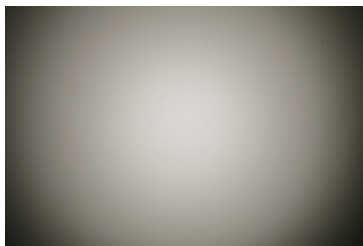
PHOTOMETRIC DATA (MEASURED):



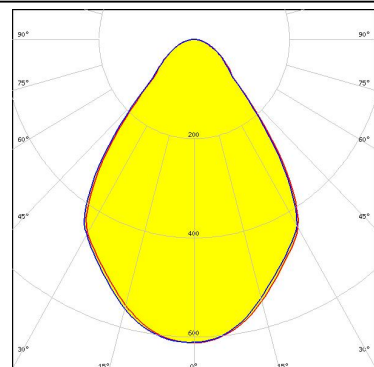
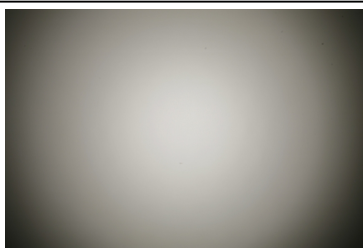
LED VERO13
FWHM 71.0°
Efficiency 87 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL



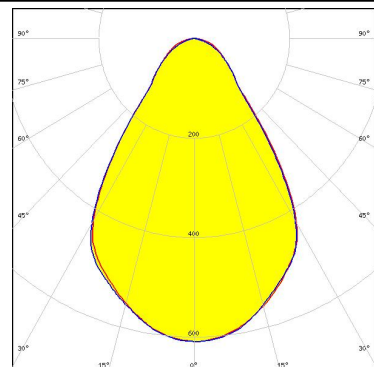
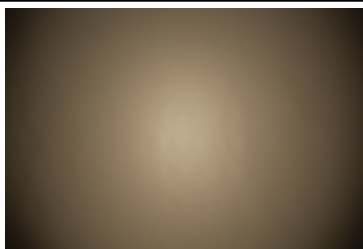
LED VERO13
FWHM 70.0°
Efficiency 87 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL



LED VERO13
FWHM 75.0°
Efficiency 92 %
Peak intensity 0.610 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18



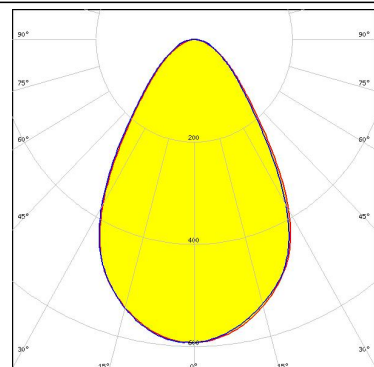
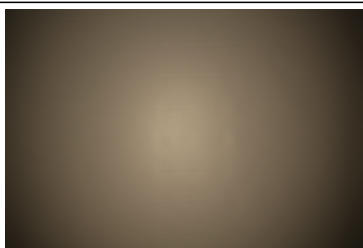
LED Xenio Point 13mm
FWHM 71.0°
Efficiency 89 %
Peak intensity 0.610 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL



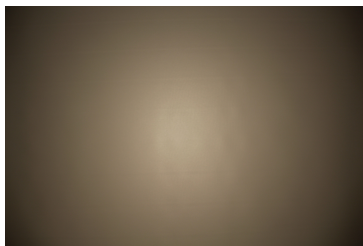
PHOTOMETRIC DATA (MEASURED):



LED Xenio Point 13mm
 FWHM 68.0°
 Efficiency 86 %
 Peak intensity 0.590 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL

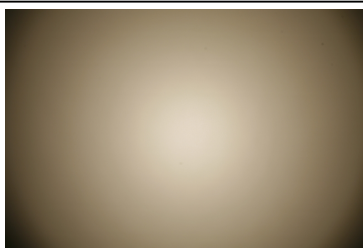


LED Xenio Point 13mm
 FWHM 75.0°
 Efficiency 93 %
 Peak intensity 0.610 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18



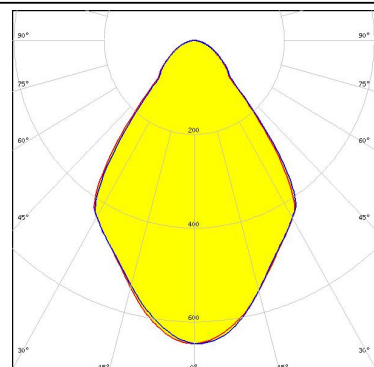
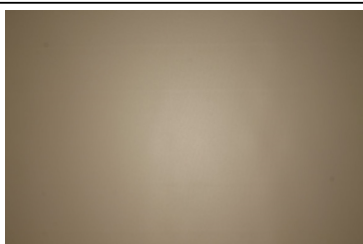
CITIZEN

LED CLL01x
 FWHM 78.0°
 Efficiency 91 %
 Peak intensity 0.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



CITIZEN

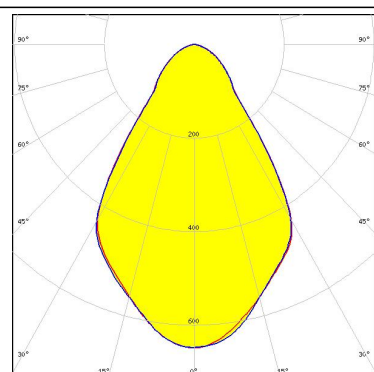
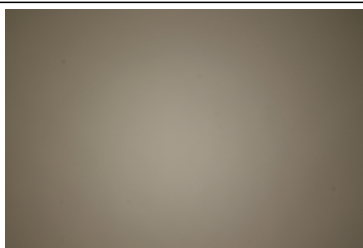
LED CLL02x/CLU02x (LES10)
 FWHM 73.0°
 Efficiency 89 %
 Peak intensity 0.650 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1



PHOTOMETRIC DATA (MEASURED):

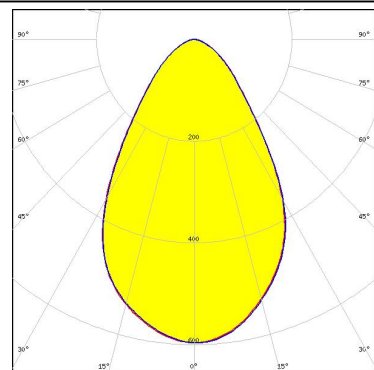
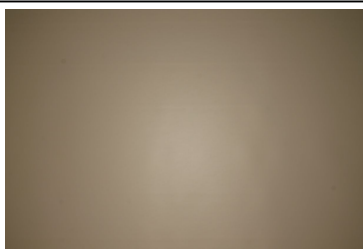
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 68.0°
 Efficiency 85 %
 Peak intensity 0.650 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 434 Typ L1



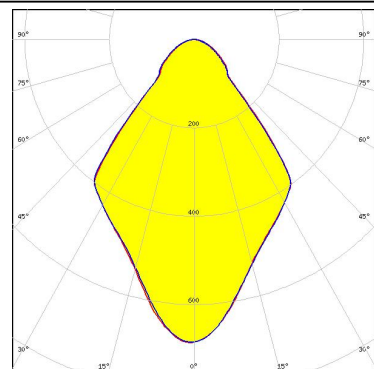
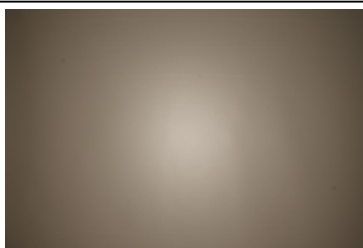
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 67.0°
 Efficiency 80 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 434 Typ L1



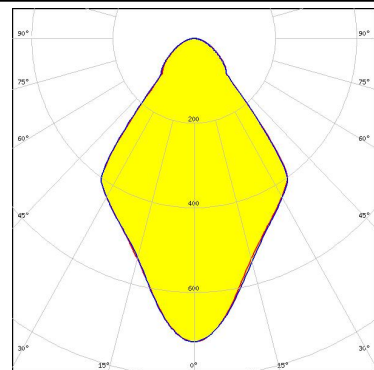
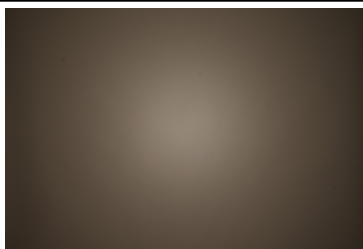
CITIZEN

LED CLU700/701
 FWHM 76.0°
 Efficiency 92 %
 Peak intensity 0.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



CITIZEN

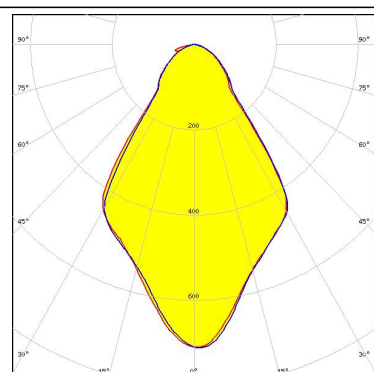
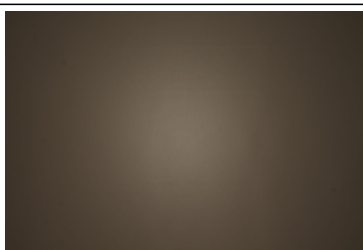
LED CLU700/701
 FWHM 73.0°
 Efficiency 89 %
 Peak intensity 0.720 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1



PHOTOMETRIC DATA (MEASURED):

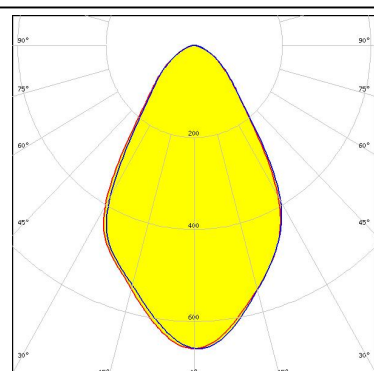
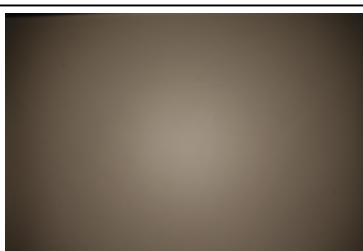
CITIZEN

LED CLU700/701
 FWHM 68.0°
 Efficiency 86 %
 Peak intensity 0.710 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 434 Typ L1



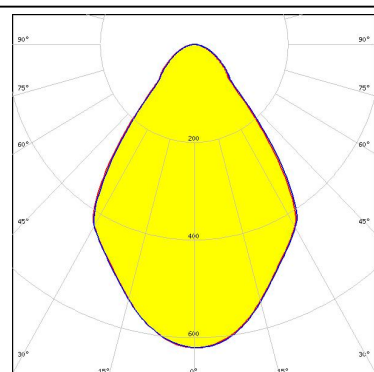
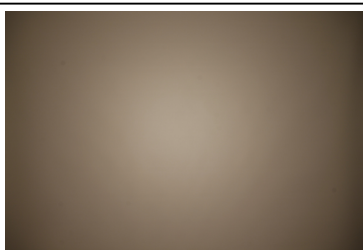
CITIZEN

LED CLU700/701
 FWHM 65.0°
 Efficiency 83 %
 Peak intensity 0.660 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 434 Typ L1



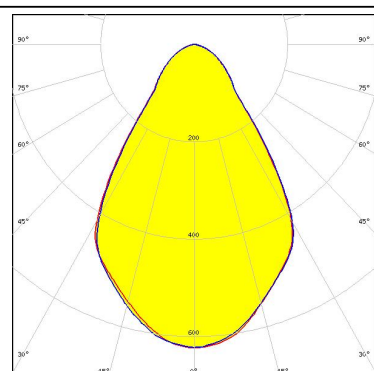
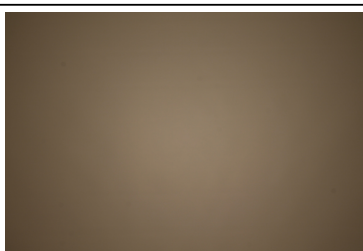
CITIZEN

LED CLU720/721
 FWHM 73.0°
 Efficiency 87 %
 Peak intensity 0.620 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 433 Typ L1



CITIZEN

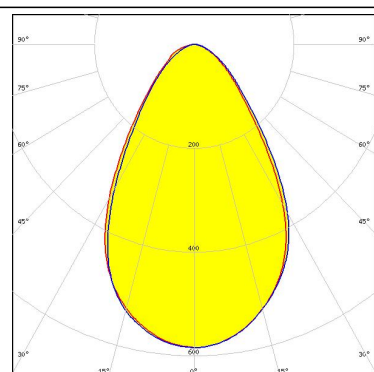
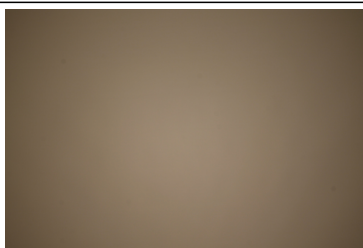
LED CLU720/721
 FWHM 68.0°
 Efficiency 83 %
 Peak intensity 0.620 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 433 Typ L1



PHOTOMETRIC DATA (MEASURED):

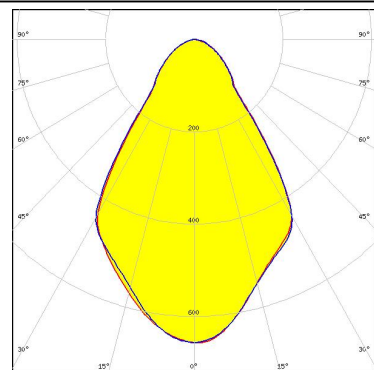
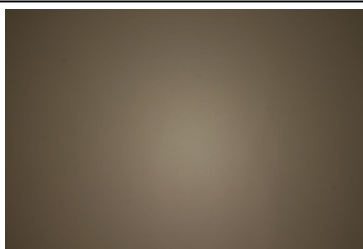
CITIZEN

LED CLU720/721
 FWHM 66.0°
 Efficiency 79 %
 Peak intensity 0.580 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 433 Typ L1



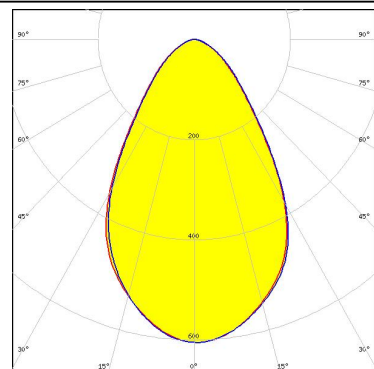
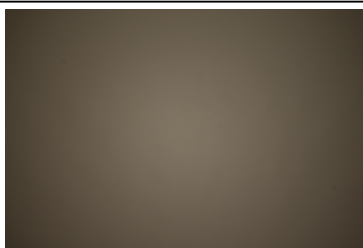
CREE

LED CXA/B 15xx
 FWHM 68.0°
 Efficiency 86 %
 Peak intensity 0.660 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 441 Typ L1



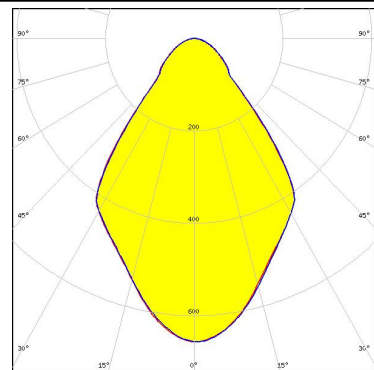
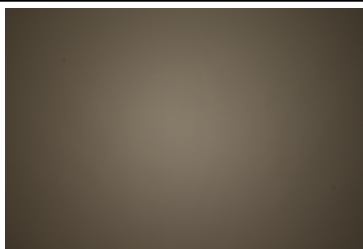
CREE

LED CXA/B 15xx
 FWHM 66.0°
 Efficiency 81 %
 Peak intensity 0.610 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 441 Typ L1



CREE

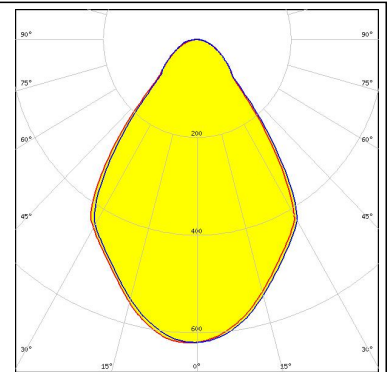
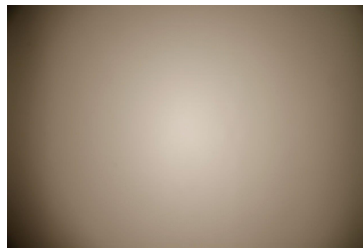
LED CXA/B 15xx
 FWHM 73.0°
 Efficiency 89 %
 Peak intensity 0.660 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 441 Typ L1



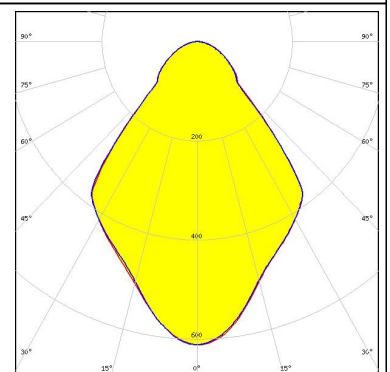
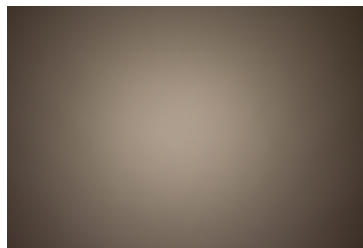
PHOTOMETRIC DATA (MEASURED):



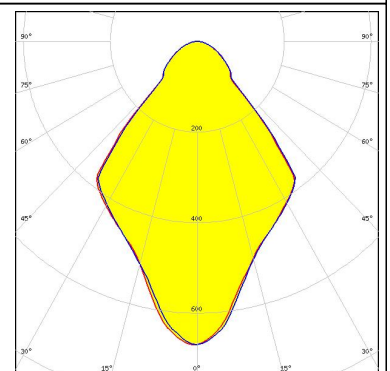
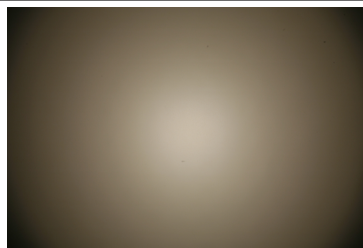
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 73.0°
 Efficiency 89 %
 Peak intensity 0.620 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2101CR + 50-2100MR



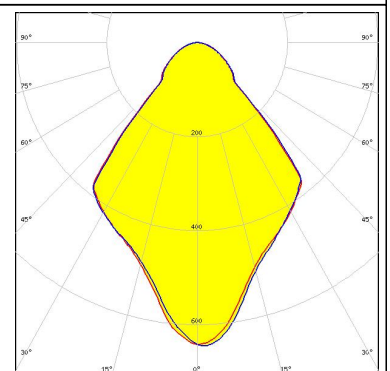
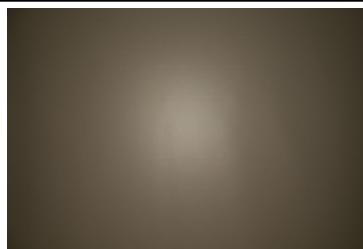
LED MHD-E/G
 FWHM 78.0°
 Efficiency 93 %
 Peak intensity 0.610 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



LED MK-R
 FWHM 77.0°
 Efficiency 90 %
 Peak intensity 0.660 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



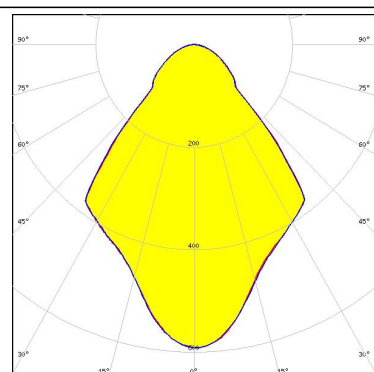
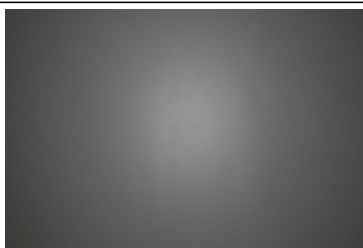
LED XHP50
 FWHM 79.0°
 Efficiency 92 %
 Peak intensity 0.650 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



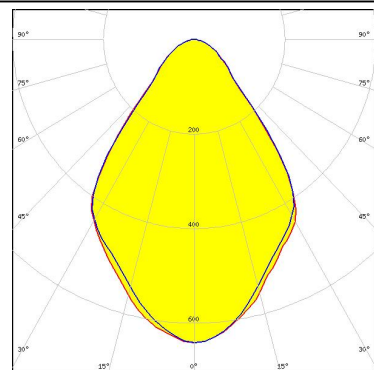
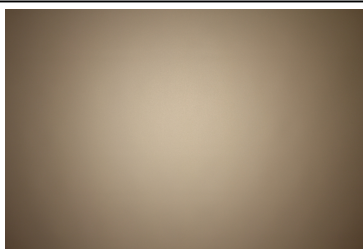
PHOTOMETRIC DATA (MEASURED):



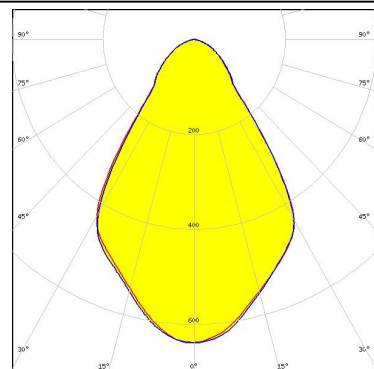
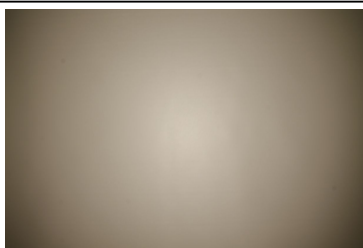
LED XHP70
FWHM 79.0°
Efficiency 90 %
Peak intensity 0.590 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



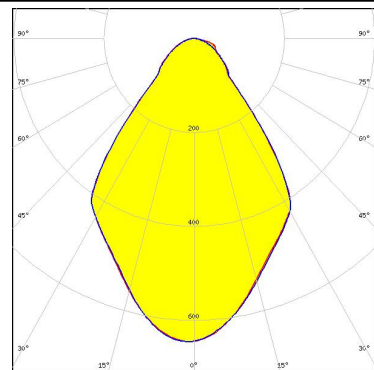
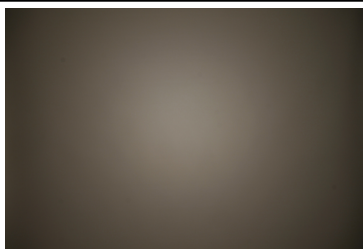
LED LUXEON CoB 1202/1203
FWHM 76.0°
Efficiency 92 %
Peak intensity 0.640 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14037_PF-NSX-SOCKET



LED LUXEON CoB 1202/1203
FWHM 69.0°
Efficiency 84 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 438 Typ L1



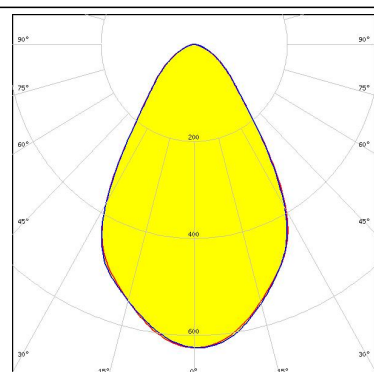
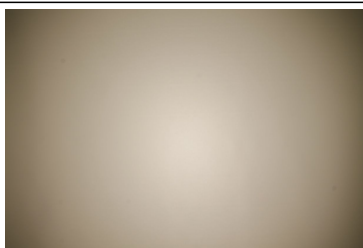
LED LUXEON CoB 1202/1203
FWHM 73.0°
Efficiency 89 %
Peak intensity 0.650 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 438 Typ L1



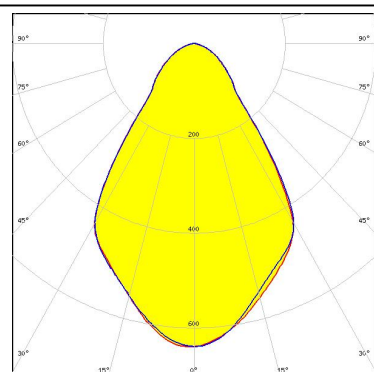
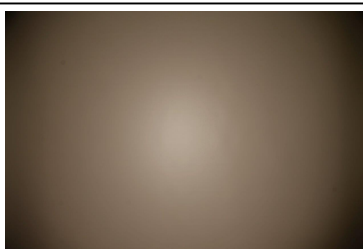
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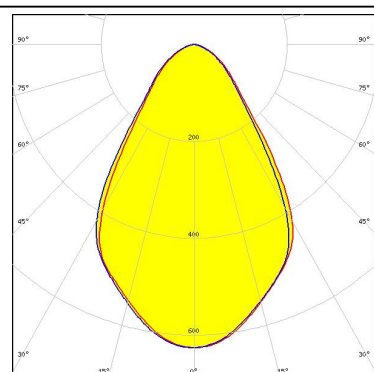
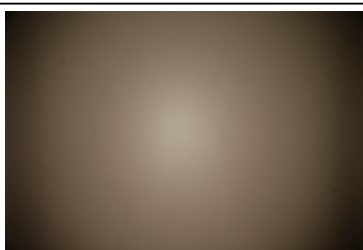
LED LUXEON CoB 1202/1203
 FWHM 67.0°
 Efficiency 83 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



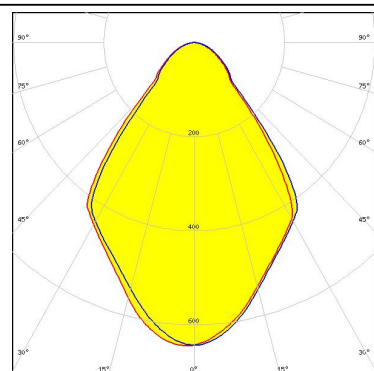
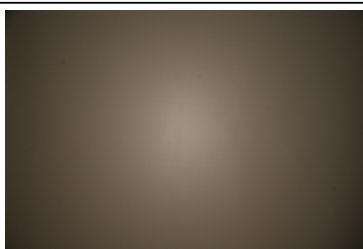
LED LUXEON CoB 1202/1203
 FWHM 69.0°
 Efficiency 87 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



LED LUXEON CoB 1202/1203
 FWHM 68.0°
 Efficiency 86 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



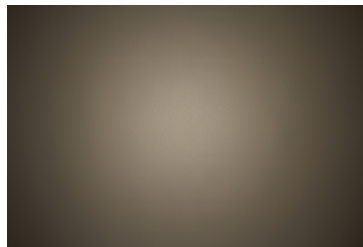
LED LUXEON CoB 1202/1203
 FWHM 75.0°
 Efficiency 93 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100NC +50-2100MR



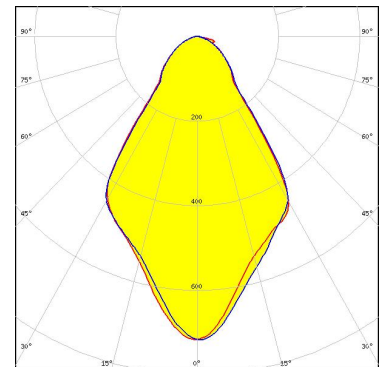
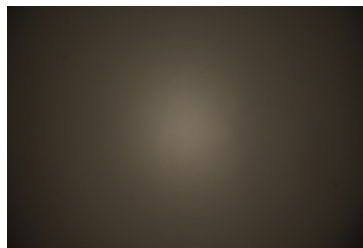
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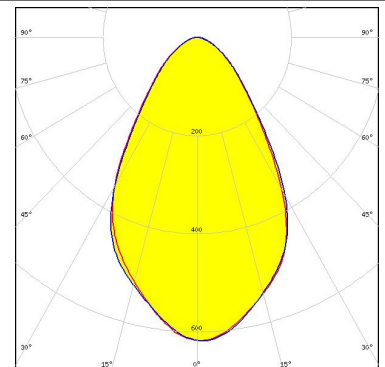
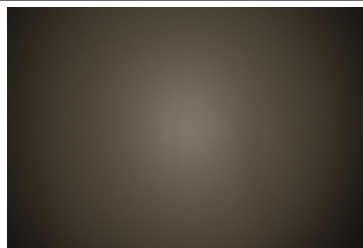
LED LUXEON CoB 1202s
 FWHM 78.0°
 Efficiency 94 %
 Peak intensity 0.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15



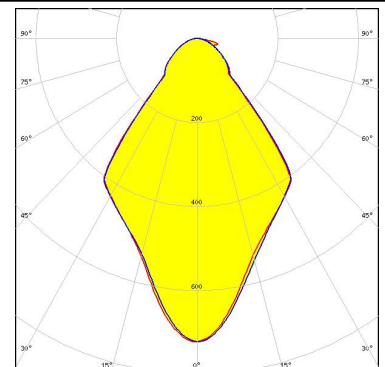
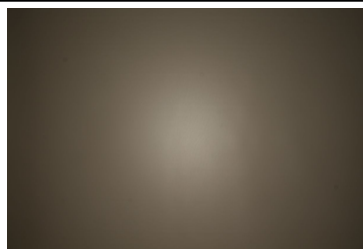
LED LUXEON CoB 1202s
 FWHM 67.0°
 Efficiency 86 %
 Peak intensity 0.720 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 452 Typ L1



LED LUXEON CoB 1202s
 FWHM 65.0°
 Efficiency 82 %
 Peak intensity 0.620 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 452 Typ L1



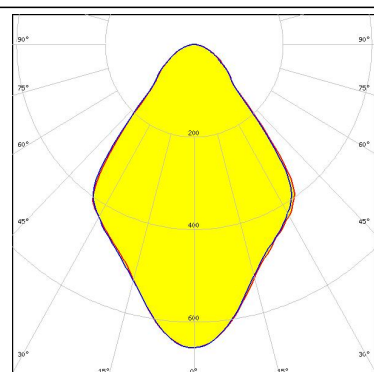
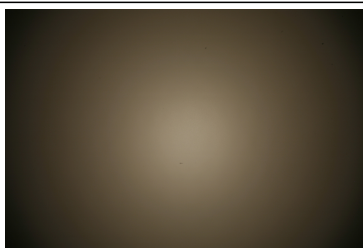
LED LUXEON CoB 1202s
 FWHM 73.0°
 Efficiency 91 %
 Peak intensity 0.720 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 452 Typ L1



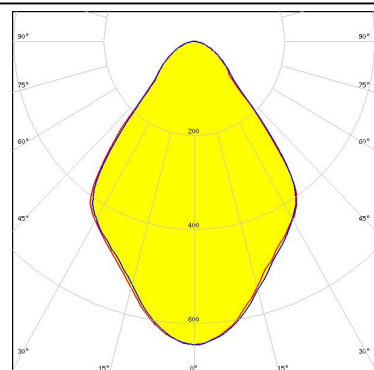
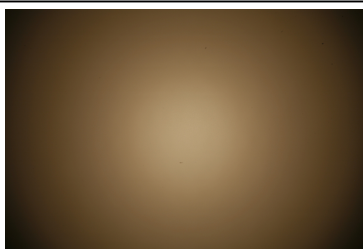
PHOTOMETRIC DATA (MEASURED):



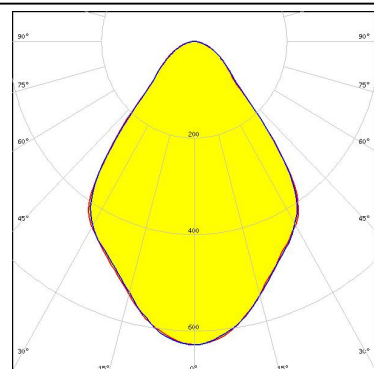
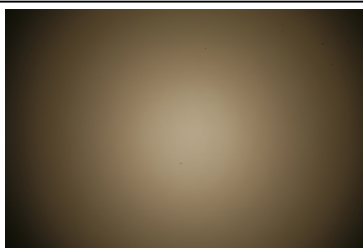
LED CXM-6
FWHM 77.0°
Efficiency 91 %
Peak intensity 0.660 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



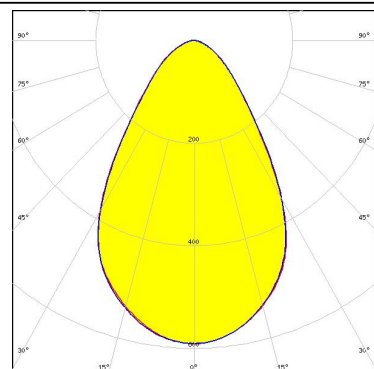
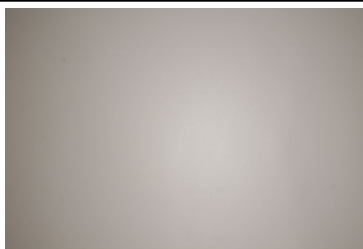
LED CXM-7
FWHM 77.0°
Efficiency 92 %
Peak intensity 0.650 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



LED CXM-9
FWHM 77.0°
Efficiency 92 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



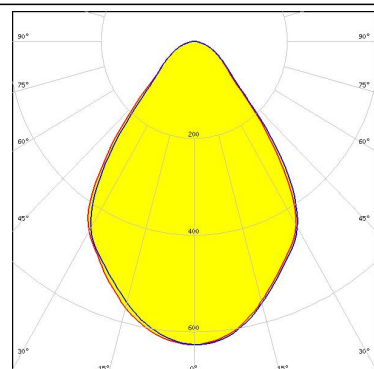
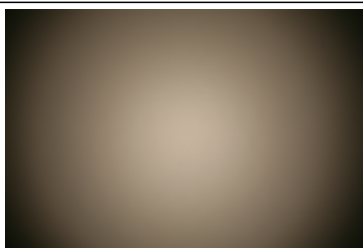
LED COB L-Type (LES 11)
FWHM 67.0°
Efficiency 82 %
Peak intensity 0.590 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 438 Typ L1



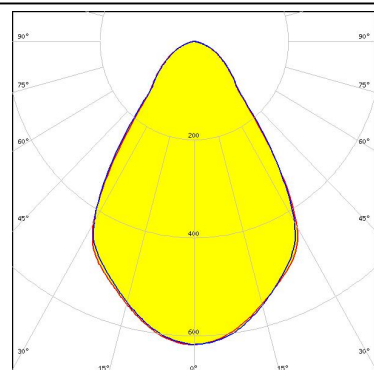
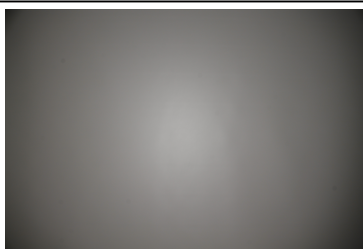
PHOTOMETRIC DATA (MEASURED):



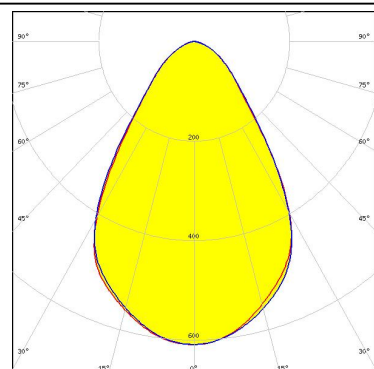
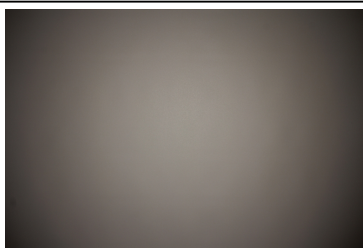
LED COB L-Type (LES 11)
 FWHM 75.0°
 Efficiency 92 %
 Peak intensity 0.630 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14037_PF-NSX-SOCKET



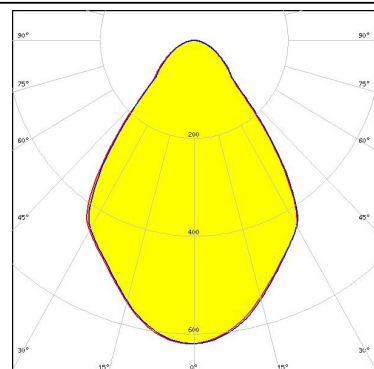
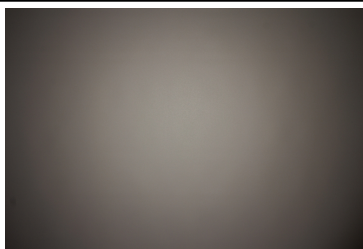
LED COB L-Type (LES 11)
 FWHM 70.0°
 Efficiency 87 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



LED COB L-Type (LES 11)
 FWHM 69.0°
 Efficiency 87 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



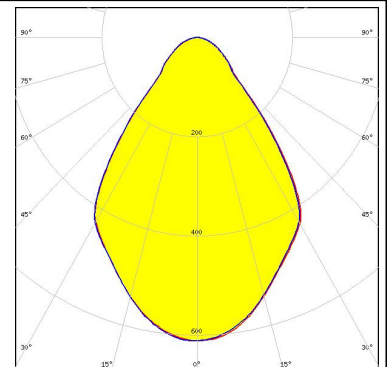
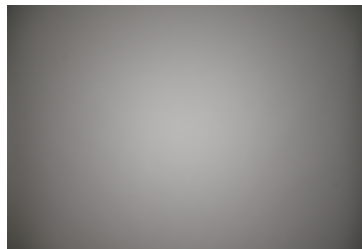
LED COB L-Type (LES 11)
 FWHM 75.0°
 Efficiency 92 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100NC +50-2100MR



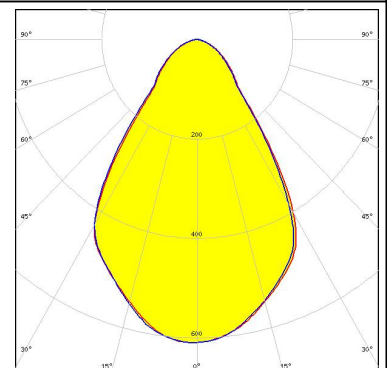
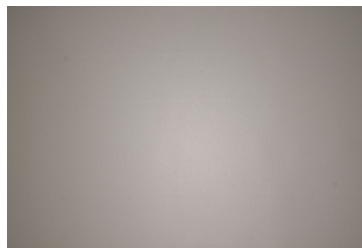
PHOTOMETRIC DATA (MEASURED):



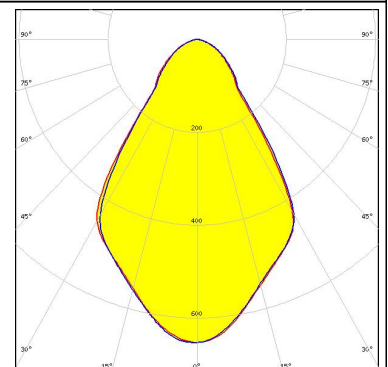
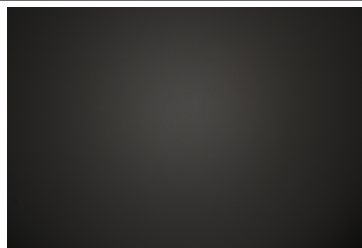
LED COB L-Type (LES 11)
 FWHM 73.0°
 Efficiency 88 %
 Peak intensity 0.610 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



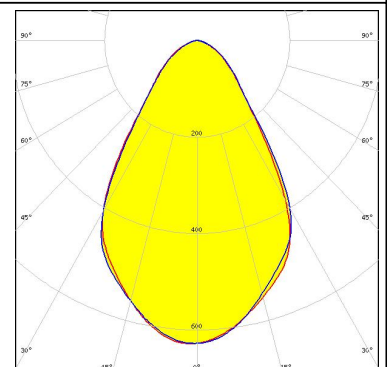
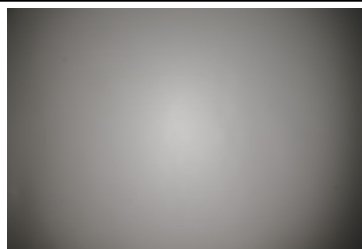
LED COB L-Type (LES 11)
 FWHM 69.0°
 Efficiency 83 %
 Peak intensity 0.610 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 438 Typ L1



LED COB L-Type (LES 9)
 FWHM 69.0°
 Efficiency 86 %
 Peak intensity 0.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



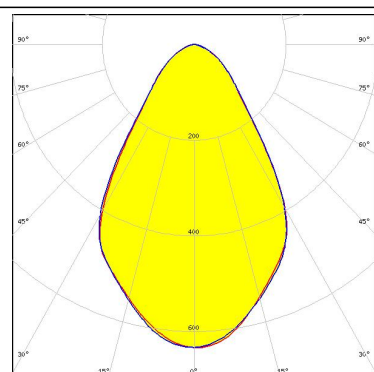
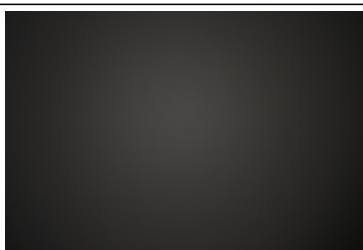
LED COB L-Type (LES 9)
 FWHM 67.0°
 Efficiency 85 %
 Peak intensity 0.630 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



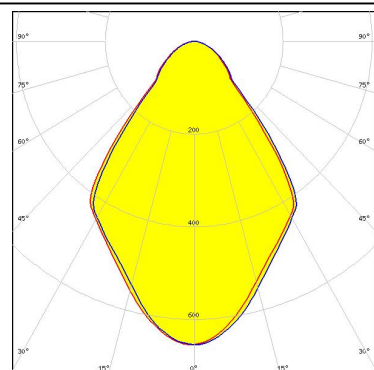
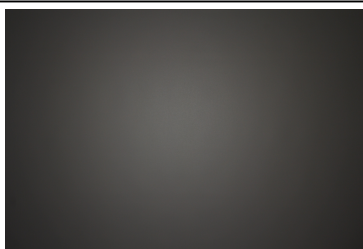
PHOTOMETRIC DATA (MEASURED):



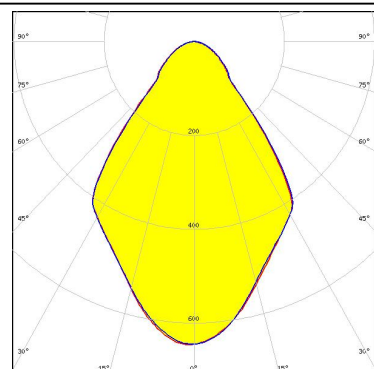
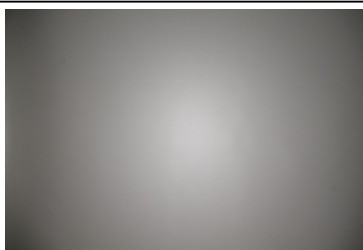
LED COB L-Type (LES 9)
 FWHM 67.0°
 Efficiency 85 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



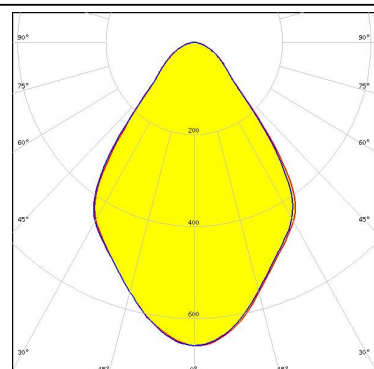
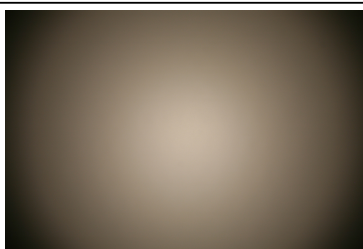
LED COB L-Type (LES 9)
 FWHM 75.0°
 Efficiency 93 %
 Peak intensity 0.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100NC +50-2100MR



LED COB L-Type (LES 9)
 FWHM 74.0°
 Efficiency 89 %
 Peak intensity 0.650 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



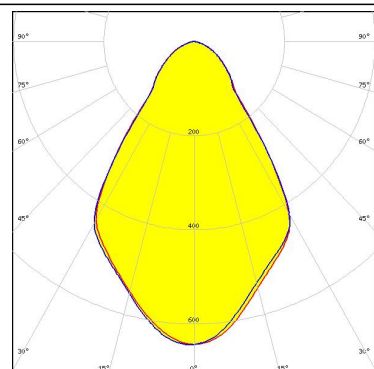
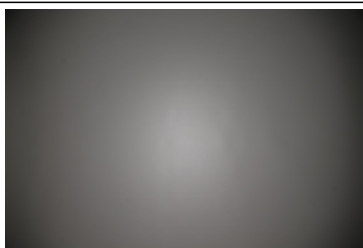
LED COB L-Type (LES 9)
 FWHM 75.0°
 Efficiency 93 %
 Peak intensity 0.660 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14037_PF-NSX-SOCKET



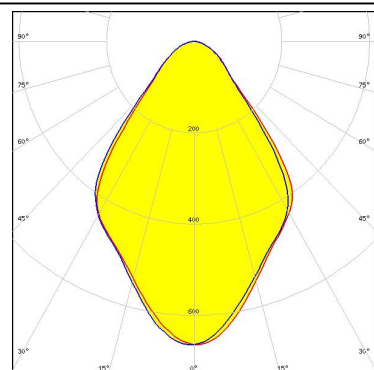
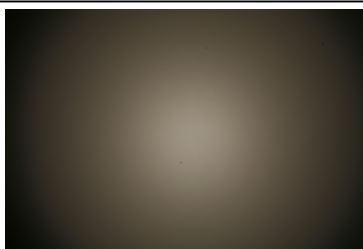
PHOTOMETRIC DATA (MEASURED):



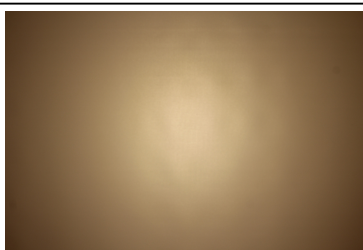
LED COB L-Type (LES 9)
 FWHM 68.0°
 Efficiency 85 %
 Peak intensity 0.640 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 438 Typ L1



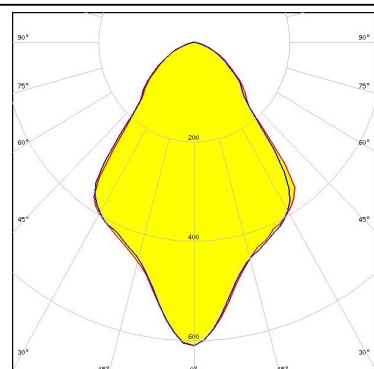
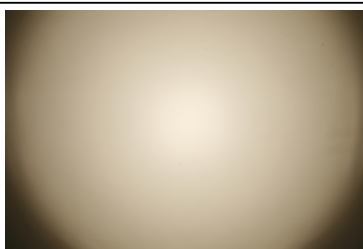
LED NSCxL036A
 FWHM 75.0°
 Efficiency 92 %
 Peak intensity 0.650 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14037_PF-NSX-SOCKET



LED Duris S10
 FWHM 79.0°
 Efficiency 93 %
 Peak intensity 0.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



LED Duris S8
 FWHM 76.0°
 Efficiency 86 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13708_PF-SOCKET-VERO10
 C13333_MIRELLA-CL

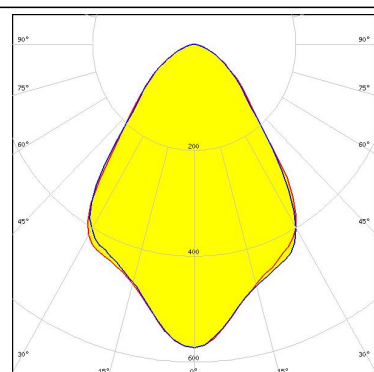
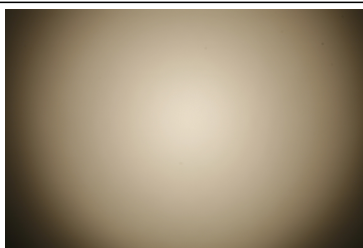


PHOTOMETRIC DATA (MEASURED):

OSRAM

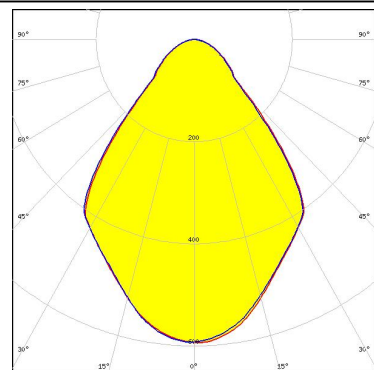
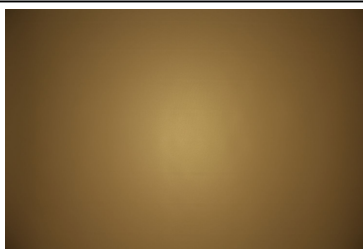
Opto Semiconductors

LED Duris S8
FWHM 75.0°
Efficiency 85 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13708_PF-SOCKET-VERO10
C12479_MIRELLA-DL



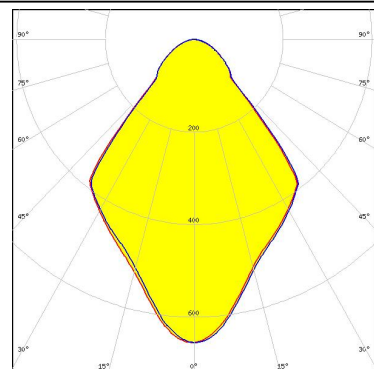
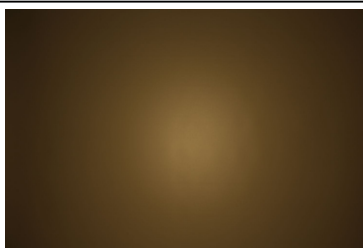
TRIDONIC

LED SLE G5 LES11
FWHM 78.0°
Efficiency 92 %
Peak intensity 0.550 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



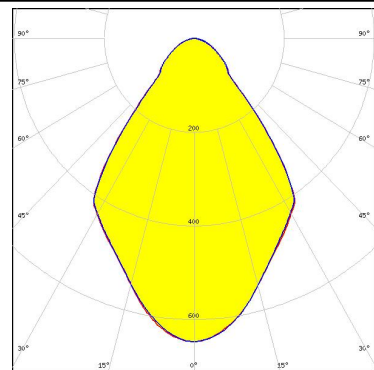
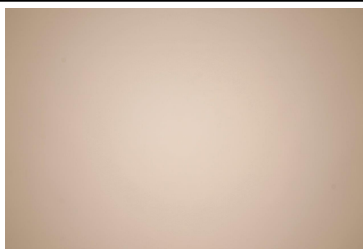
TRIDONIC

LED SLE G5 LES6
FWHM 79.0°
Efficiency 93 %
Peak intensity 0.660 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



XICATO

LED XTM - 9mm LES
FWHM 73.0°
Efficiency 89 %
Peak intensity 0.650 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14636_XTM-PF-ADAPTER



PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON CoB Compact
FWHM 78.0°
Efficiency 94 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13761_PF-SOCKET-CXA15

LUMILEDS

LED LUXEON CoB Compact
FWHM 67.0°
Efficiency 86 %
Peak intensity 0.720 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 452 Typ L1

LUMILEDS

LED LUXEON CoB Compact
FWHM 73.0°
Efficiency 91 %
Peak intensity 0.720 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 452 Typ L1

LUMILEDS

LED LUXEON CoB Compact
FWHM 65.0°
Efficiency 82 %
Peak intensity 0.620 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 452 Typ L1

PHOTOMETRIC DATA (SIMULATED):



LED CXM-14
FWHM 69.0°
Efficiency 78 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 433 Typ L1



LED CXM-14
FWHM 74.0°
Efficiency 82 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 433 Typ L1



LED CXM-14
FWHM 67.0°
Efficiency 76 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 433 Typ L1



LED CXM-9
FWHM 67.0°
Efficiency 80 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 434 Typ L1

PHOTOMETRIC DATA (SIMULATED):



LED CXM-9
FWHM 68.0°
Efficiency 85 %
Peak intensity 0.650 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 434 Typ L1



LED CXM-9
FWHM 73.0°
Efficiency 89 %
Peak intensity 0.650 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 434 Typ L1



LED COB S-Type (LES 7)
FWHM 65.0°
Efficiency 82 %
Peak intensity 0.620 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 452 Typ L1



LED COB S-Type (LES 7)
FWHM 67.0°
Efficiency 86 %
Peak intensity 0.720 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 452 Typ L1

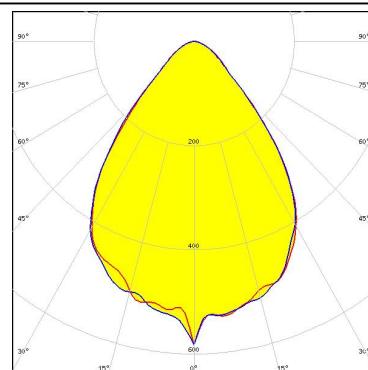
PHOTOMETRIC DATA (SIMULATED):



LED COB S-Type (LES 7)
FWHM 73.0°
Efficiency 91 %
Peak intensity 0.720 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 452 Typ L1

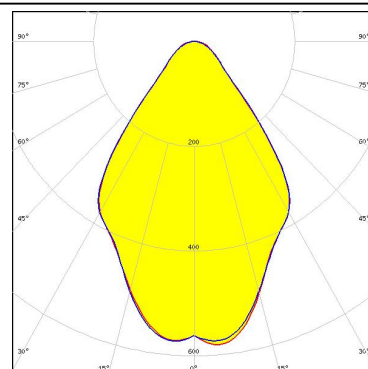


LED Soleriq S15
FWHM 76.0°
Efficiency 83 %
Peak intensity 0.580 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 433 Typ L1



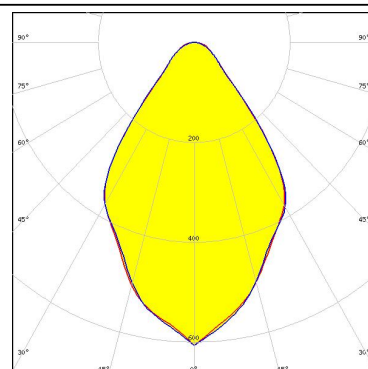
SAMSUNG

LED LC010C
FWHM 72.0°
Efficiency 78 %
Peak intensity 0.580 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 479 Typ L1



SAMSUNG

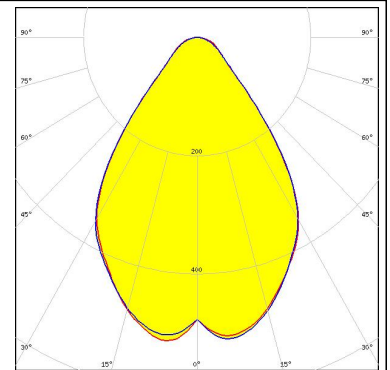
LED LC020C
FWHM 71.0°
Efficiency 77 %
Peak intensity 0.610 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 479 Typ L1



PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LC040C
 FWHM 73.0°
 Efficiency 74 %
 Peak intensity 0.520 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 480 Typ L1



SEOUL SEMICONDUCTOR

LED ZC4/6
 FWHM 68.0°
 Efficiency 85 %
 Peak intensity 0.650 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 434 Typ L1



SEOUL SEMICONDUCTOR

LED ZC4/6
 FWHM 73.0°
 Efficiency 89 %
 Peak intensity 0.650 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1



SEOUL SEMICONDUCTOR

LED ZC4/6
 FWHM 67.0°
 Efficiency 80 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 434 Typ L1

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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