

MIRELLA-50-W-PF

~40° wide beam

SPECIFICATION:

Dimensions	Ø 49.9 mm
Height	24 mm
Fastening	socket
ROHS compliant	yes ⓘ

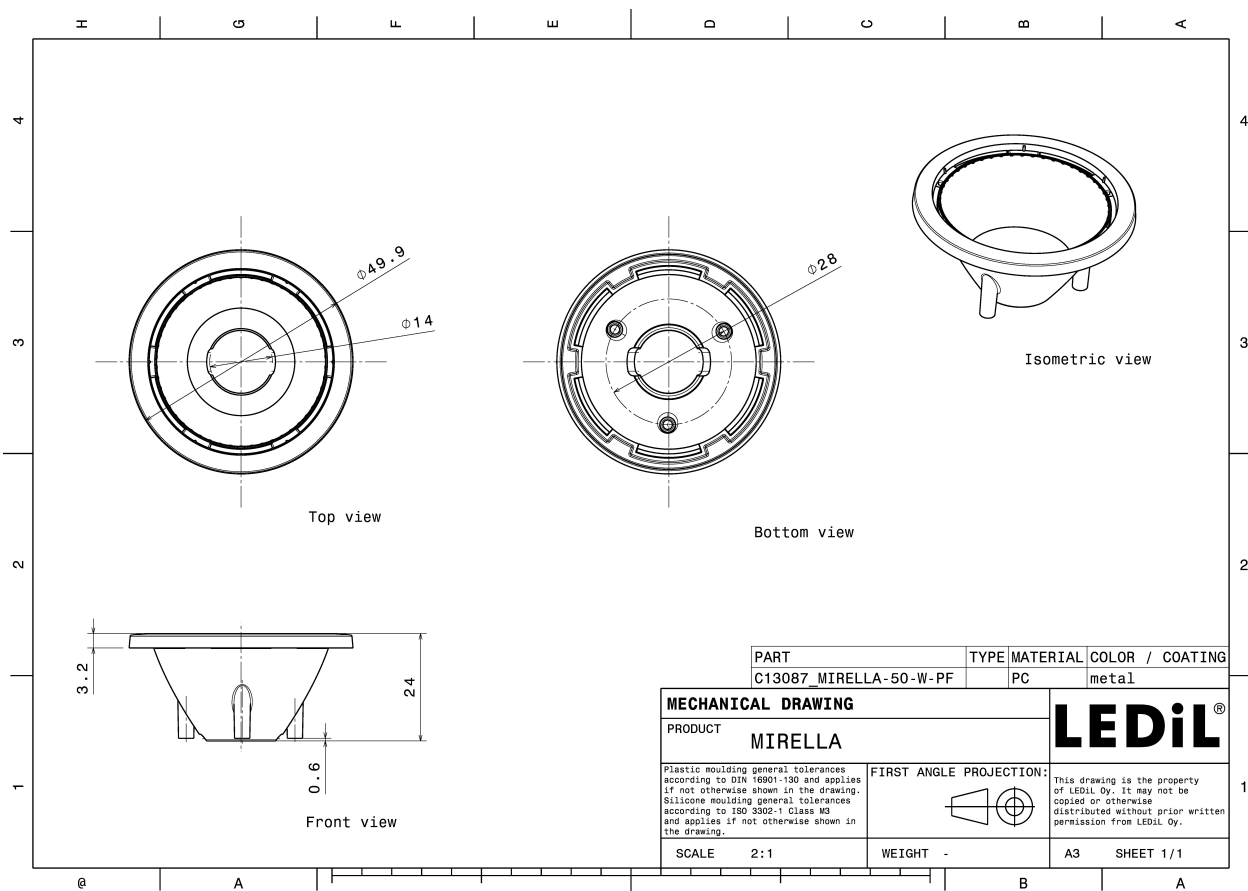
MATERIALS:

Component	Type	Material	Colour	Finish	Coating
MIRELLA-50-W-PF	Reflector	PC	metal		lacquer

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13087_MIRELLA-50-W-PF » Box size: 480 x 280 x 300 mm	336	112	28	2.8



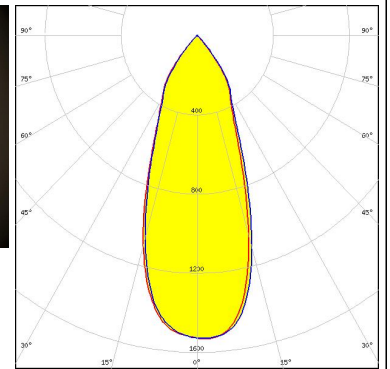
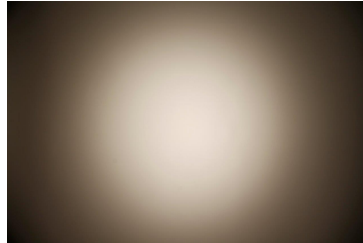


See also our general installation guide: www.ledil.com/installation_guide

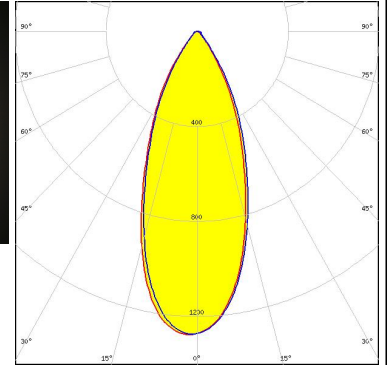
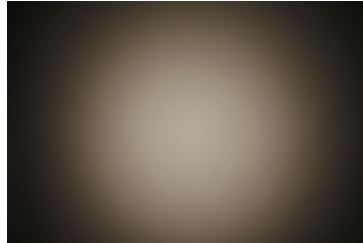
OPTICAL RESULTS (MEASURED):



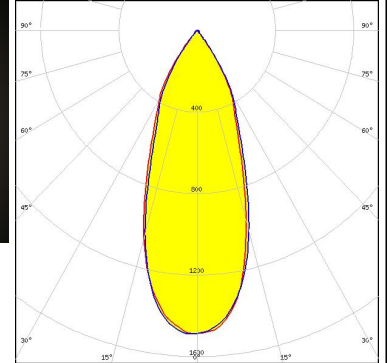
LED V10 Gen6
FWHM / FWTM 39.0° / 79.0°
Efficiency 86 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14115_PF-SOCKET-CXA15-18



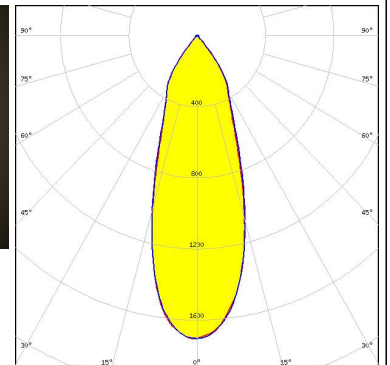
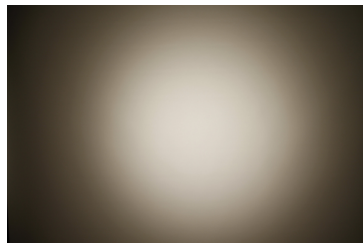
LED V10 Gen7
FWHM / FWTM 40.0° / 75.0°
Efficiency 77 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL



LED V10 Gen7
FWHM / FWTM 39.0° / 73.0°
Efficiency 79 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL



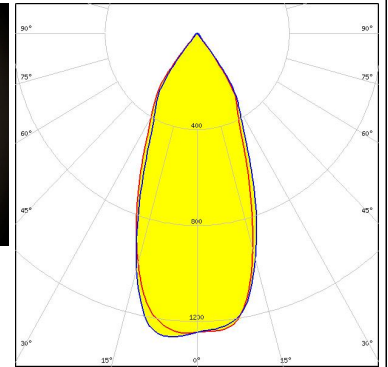
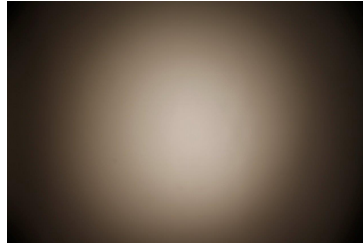
LED V10 Gen7
FWHM / FWTM 35.0° / 76.0°
Efficiency 84 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18



OPTICAL RESULTS (MEASURED):



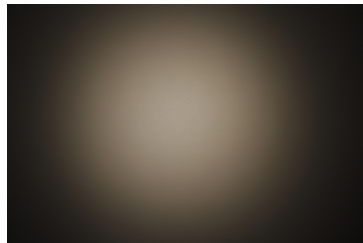
LED V6 Gen6
 FWHM / FWTM 44.0° / 77.0°
 Efficiency 81 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



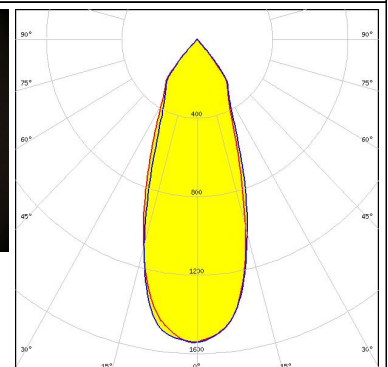
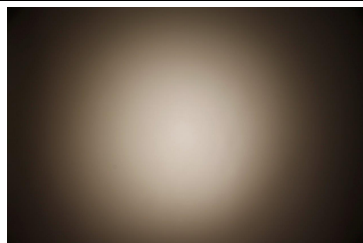
LED V6 Gen6
 FWHM / FWTM 27.0° / 76.0°
 Efficiency 82 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 460 Typ L1



LED V6 Gen6
 FWHM / FWTM 31.0° / 72.0°
 Efficiency 74 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 460 Typ L1



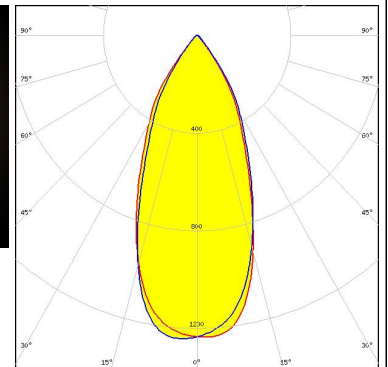
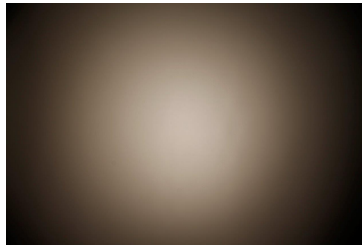
LED V6 Gen6
 FWHM / FWTM 39.0° / 81.0°
 Efficiency 87 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15



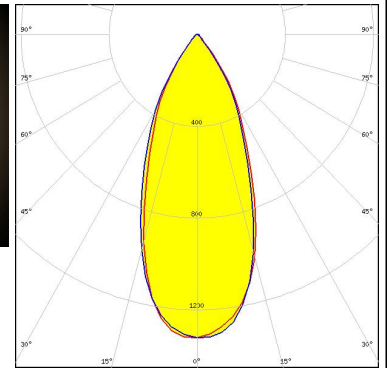
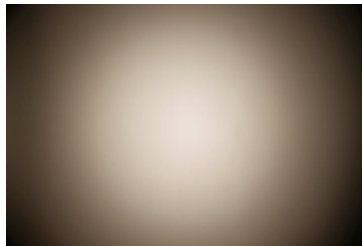
OPTICAL RESULTS (MEASURED):



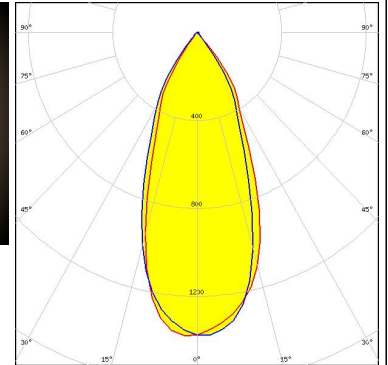
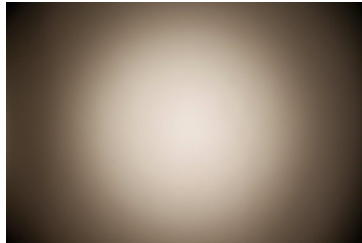
LED V6 Gen6
FWHM / FWTM 44.0° / 78.0°
Efficiency 81 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13761_PF-SOCKET-CXA15
C12479_MIRELLA-DL



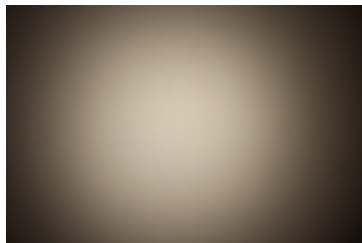
LED V8 Gen6
FWHM / FWTM 43.0° / 76.0°
Efficiency 82 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13761_PF-SOCKET-CXA15
C12479_MIRELLA-DL



LED V8 Gen6
FWHM / FWTM 42.0° / 76.0°
Efficiency 82 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13761_PF-SOCKET-CXA15
C13333_MIRELLA-CL



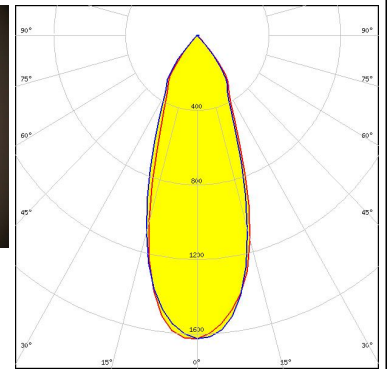
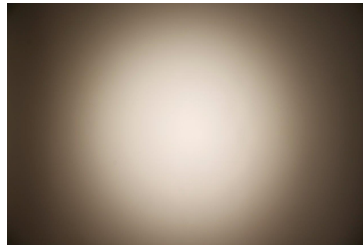
LED V8 Gen6
FWHM / FWTM 36.0° / 74.0°
Efficiency 73 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 460 Typ L1



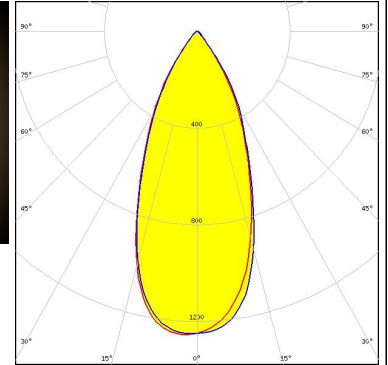
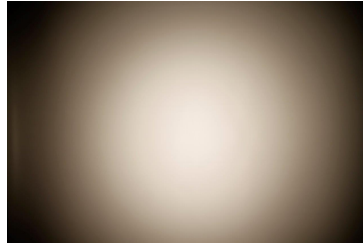
OPTICAL RESULTS (MEASURED):



LED V8 Gen6
FWHM / FWTM 38.0° / 79.0°
Efficiency 87 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13761_PF-SOCKET-CXA15



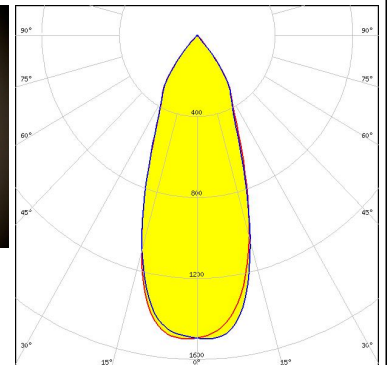
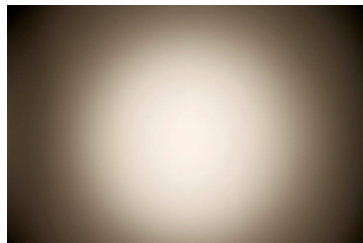
LED VERO10
FWHM / FWTM 44.0° / 76.0°
Efficiency 80 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13708_PF-SOCKET-VERO10
C12479_MIRELLA-DL



LED VERO10
FWHM / FWTM 44.0° / 76.0°
Efficiency 80 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13708_PF-SOCKET-VERO10
C13333_MIRELLA-CL



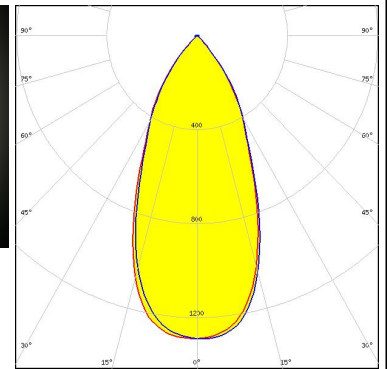
LED VERO10
FWHM / FWTM 40.0° / 79.0°
Efficiency 85 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13708_PF-SOCKET-VERO10



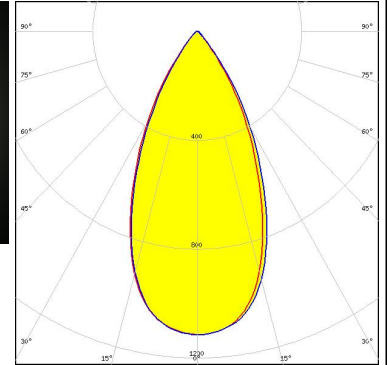
OPTICAL RESULTS (MEASURED):



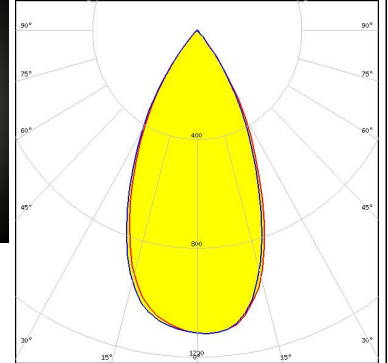
LED VERO13
FWHM / FWTM 46.0° / 82.0°
Efficiency 90 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18



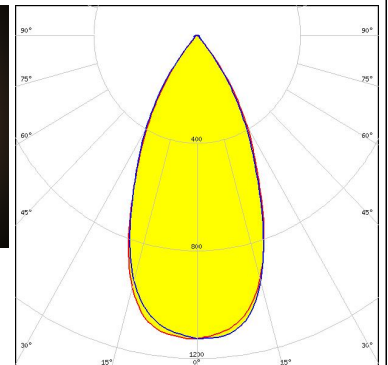
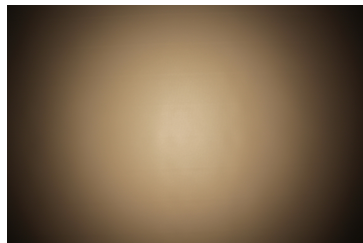
LED VERO13
FWHM / FWTM 50.0° / 79.0°
Efficiency 82 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL



LED VERO13
FWHM / FWTM 51.0° / 79.0°
Efficiency 77 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL



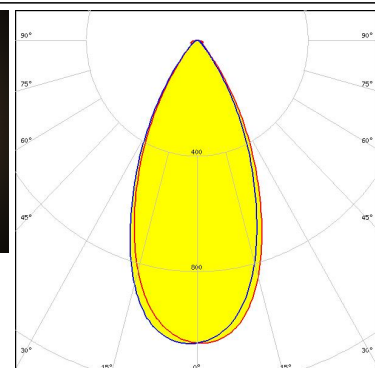
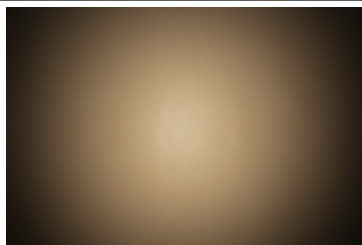
LED Xenio Point 13mm
FWHM / FWTM 49.0° / 78.0°
Efficiency 81 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL



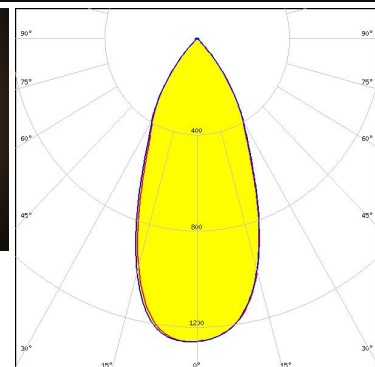
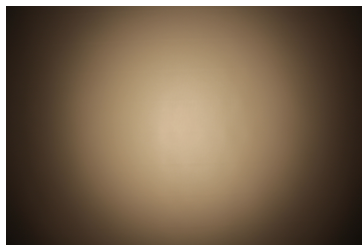
OPTICAL RESULTS (MEASURED):



LED Xenio Point 13mm
 FWHM / FWTM 48.0° / 80.0°
 Efficiency 78 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL

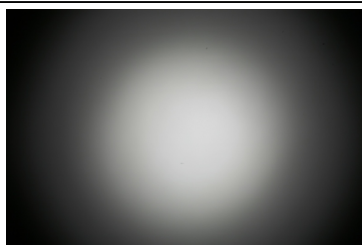


LED Xenio Point 13mm
 FWHM / FWTM 45.0° / 81.0°
 Efficiency 85 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18



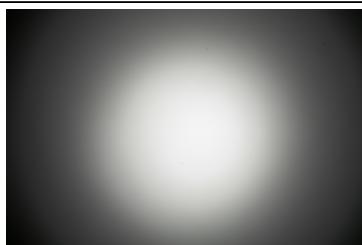
CITIZEN

LED CLL01x
 FWHM / FWTM 42.0° / 76.0°
 Efficiency 86 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



CITIZEN

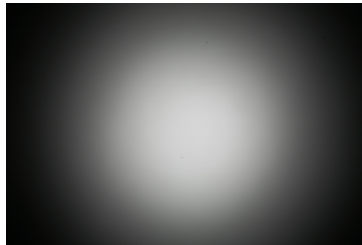
LED CLL01x
 FWHM / FWTM 36.0° / 80.0°
 Efficiency 90 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



OPTICAL RESULTS (MEASURED):

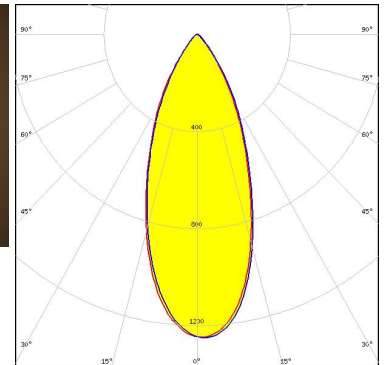
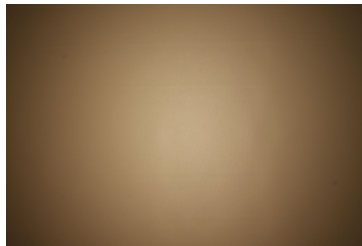
CITIZEN

LED CLL01x
FWHM / FWTM 44.0° / 76.0°
Efficiency 86 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



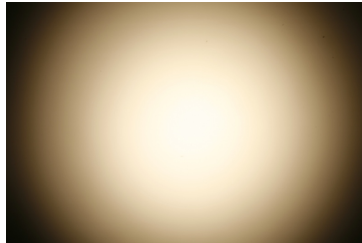
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM / FWTM 41.0° / 76.0°
Efficiency 76 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 434 Typ L1



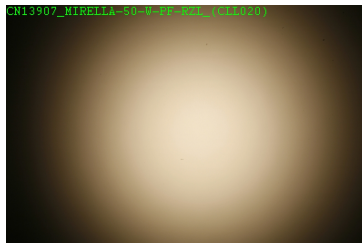
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM / FWTM 46.0° / 77.0°
Efficiency 86 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



CITIZEN

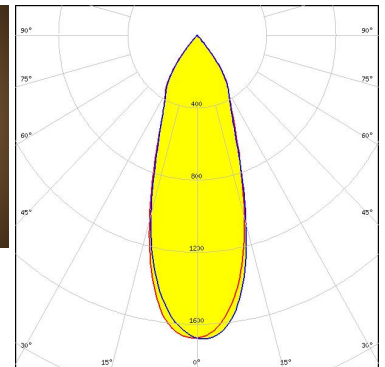
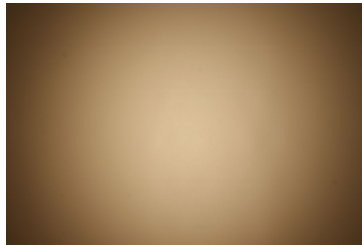
LED CLL02x/CLU02x (LES10)
FWHM / FWTM 46.0° / 80.0°
Efficiency %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



OPTICAL RESULTS (MEASURED):

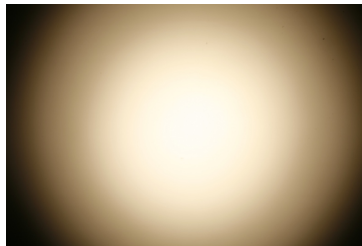
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 36.0° / 77.0°
 Efficiency 84 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1



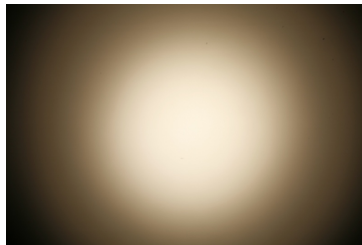
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 46.0° / 78.0°
 Efficiency 86 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



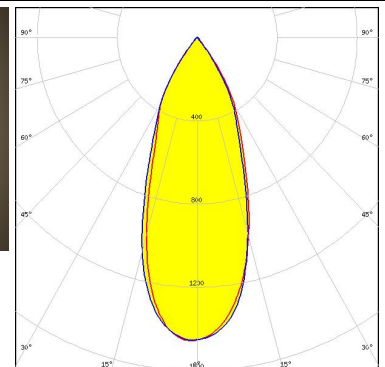
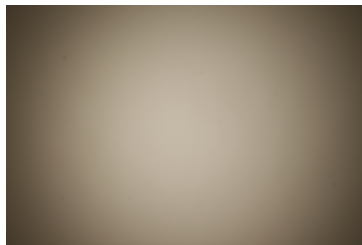
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 41.0° / 80.0°
 Efficiency 90 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



CITIZEN

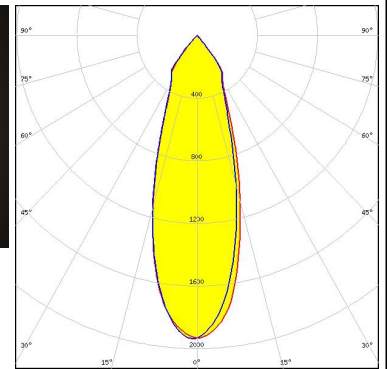
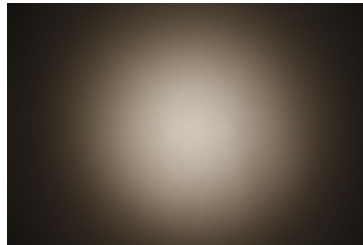
LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 39.0° / 73.0°
 Efficiency 78 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 434 Typ L1



OPTICAL RESULTS (MEASURED):

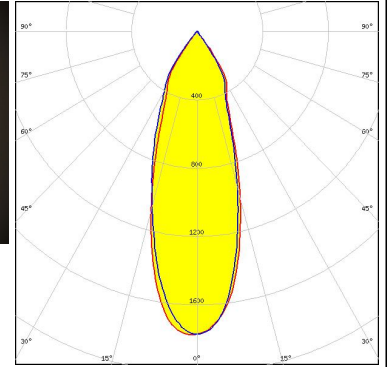
CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 33.0° / 78.0°
 Efficiency 88 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



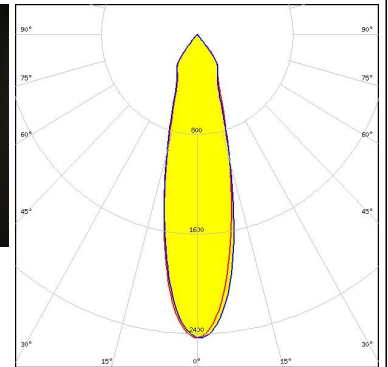
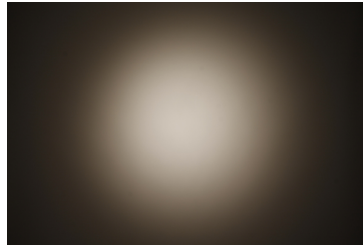
CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 34.0° / 72.0°
 Efficiency 81 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



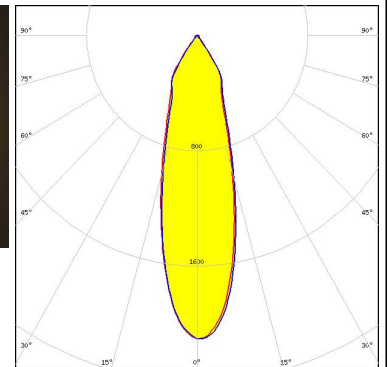
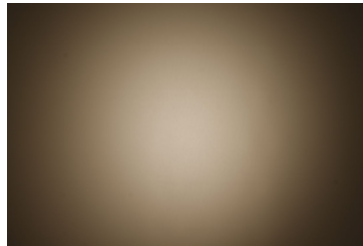
CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 26.0° / 73.0°
 Efficiency 83 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1



CITIZEN

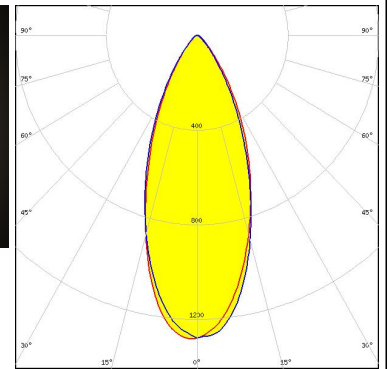
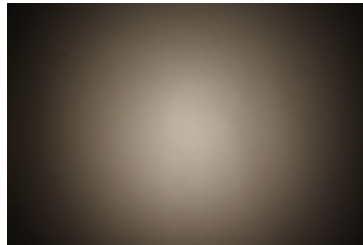
LED CLU700/701/702/703
 FWHM / FWTM 29.0° / 69.0°
 Efficiency 80 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 434 Typ L1



OPTICAL RESULTS (MEASURED):

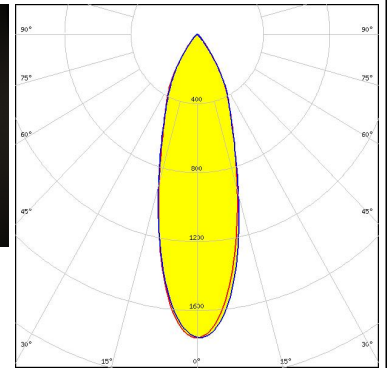
CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 42.0° / 78.0°
 Efficiency 81 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



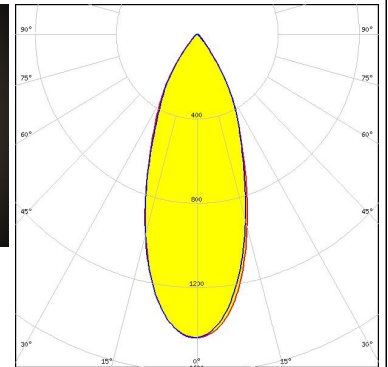
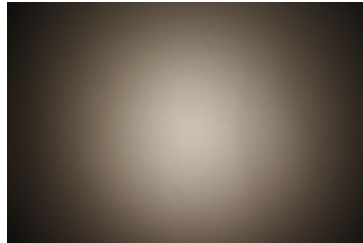
CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 31.0° / 70.0°
 Efficiency 77 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 434 Typ L1



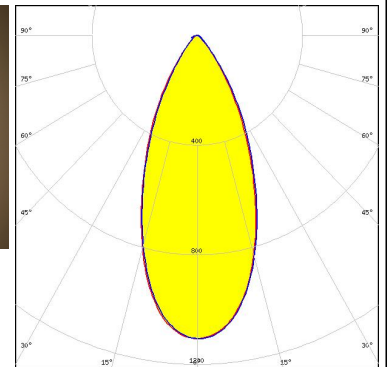
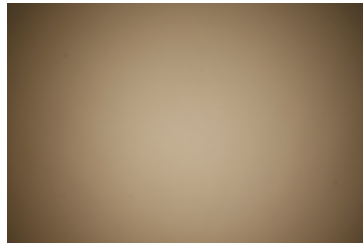
CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 39.0° / 75.0°
 Efficiency 82 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



CITIZEN

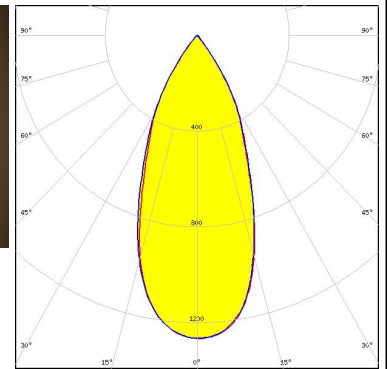
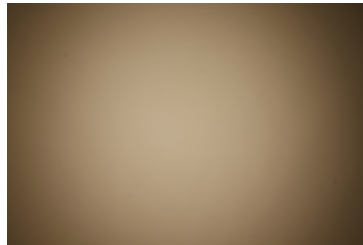
LED CLU720/721/723
 FWHM / FWTM 44.0° / 78.0°
 Efficiency 74 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 433 Typ L1



OPTICAL RESULTS (MEASURED):

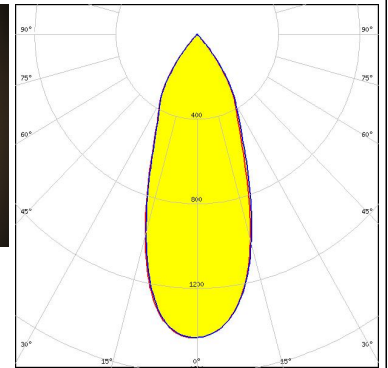
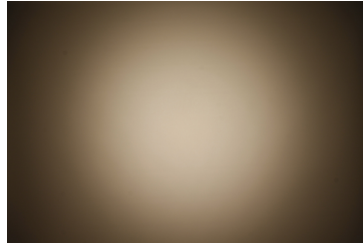
CITIZEN

LED CLU720/721/723
 FWHM / FWTM 43.0° / 74.0°
 Efficiency 76 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 433 Typ L1



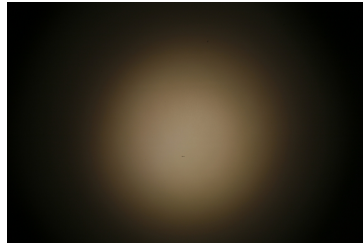
CITIZEN

LED CLU720/721/723
 FWHM / FWTM 40.0° / 78.0°
 Efficiency 81 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 433 Typ L1



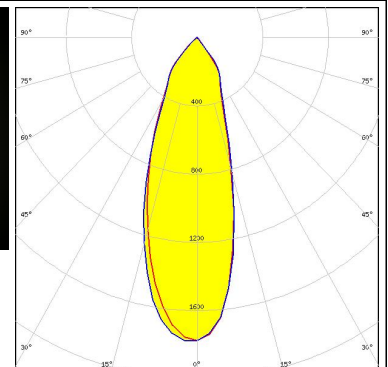
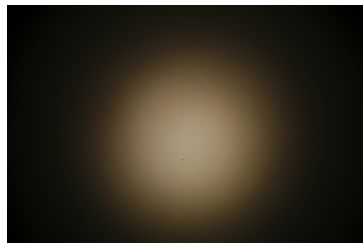
CREE LEDs

LED CXA/B 13xx
 FWHM / FWTM 42.0° / 76.0°
 Efficiency 81 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



CREE LEDs

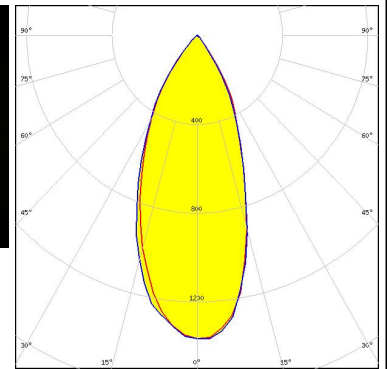
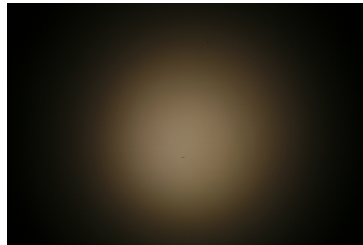
LED CXA/B 13xx
 FWHM / FWTM 37.0° / 80.0°
 Efficiency 86 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15



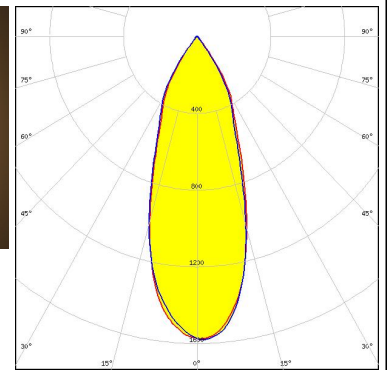
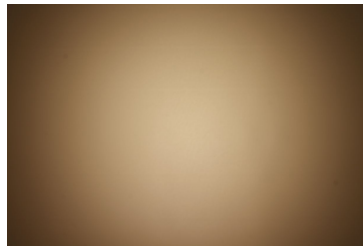
OPTICAL RESULTS (MEASURED):



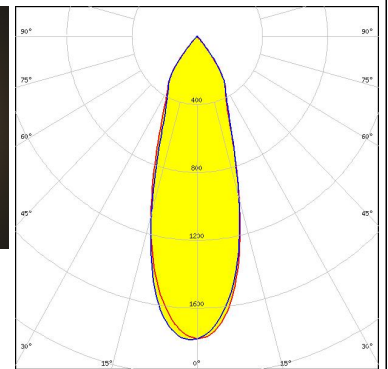
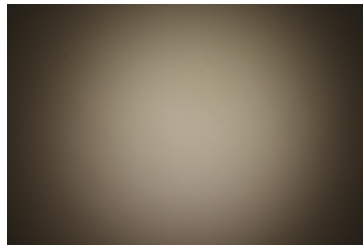
LED CXA/B 13xx
FWHM / FWTM 43.0° / 76.0°
Efficiency 81 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13761_PF-SOCKET-CXA15
C12479_MIRELLA-DL



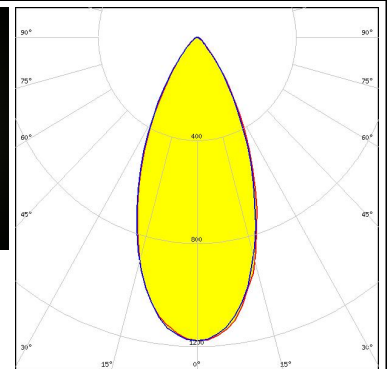
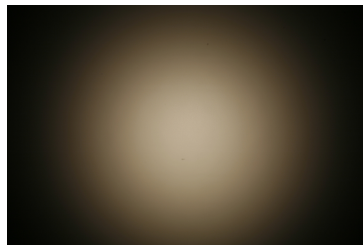
LED CXA/B 15xx
FWHM / FWTM 37.0° / 72.0°
Efficiency 79 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 441 Typ L1



LED CXA/B 15xx
FWHM / FWTM 34.0° / 75.0°
Efficiency 82 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 441 Typ L1



LED CXA/B 15xx
FWHM / FWTM 47.0° / 81.0°
Efficiency 81 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13761_PF-SOCKET-CXA15
C13723_MIRELLA-RZL



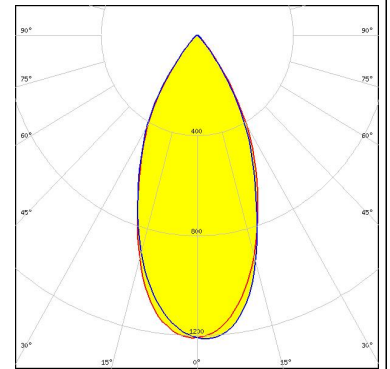
OPTICAL RESULTS (MEASURED):



LED CXA/B 15xx
FWHM / FWTM 47.0° / 79.0°
Efficiency 85 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White

Required components:

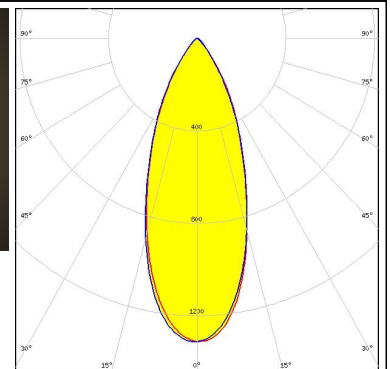
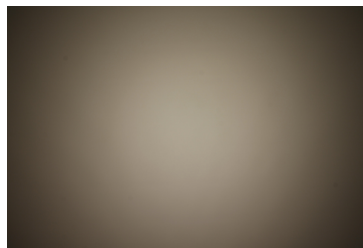
C13761_PF-SOCKET-CXA15
C12479_MIRELLA-DL



LED CXA/B 15xx
FWHM / FWTM 39.0° / 75.0°
Efficiency 75 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:

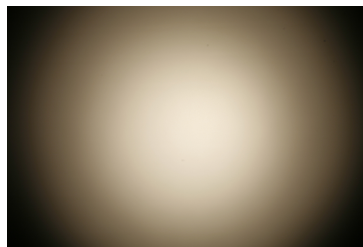
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 441 Typ L1



LED CXA/B 15xx
FWHM / FWTM 46.0° / 79.0°
Efficiency 85 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:

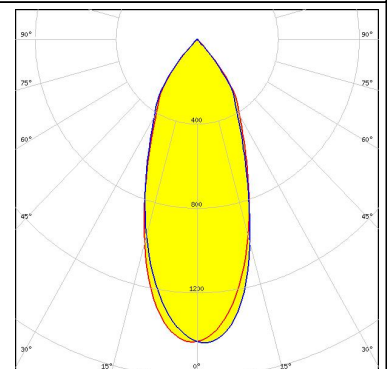
C13761_PF-SOCKET-CXA15
C13333_MIRELLA-CL



LED CXA/B 15xx
FWHM / FWTM 41.0° / 82.0°
Efficiency 90 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:

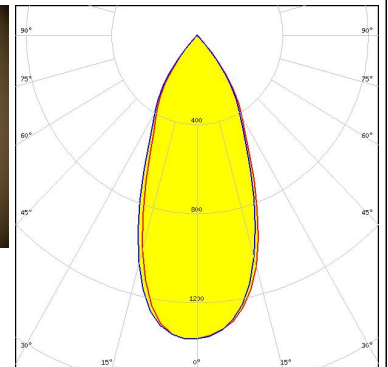
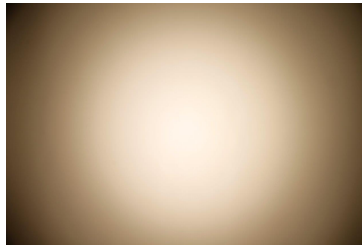
C13761_PF-SOCKET-CXA15



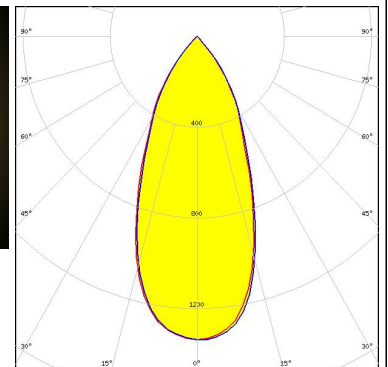
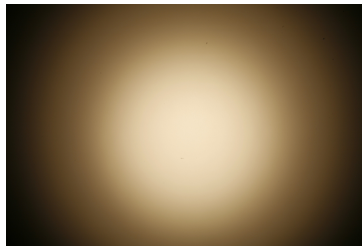
OPTICAL RESULTS (MEASURED):



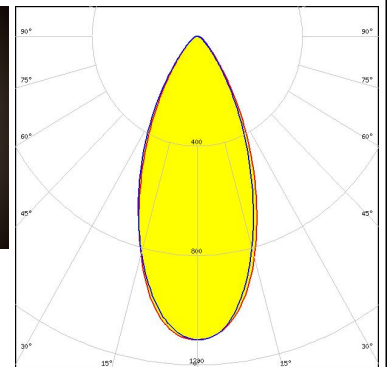
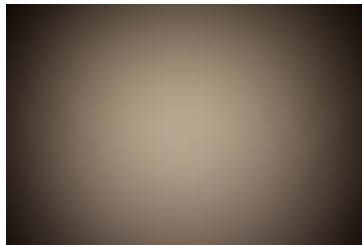
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 43.0° / 81.0°
 Efficiency 87 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2101CR + 50-2100MR



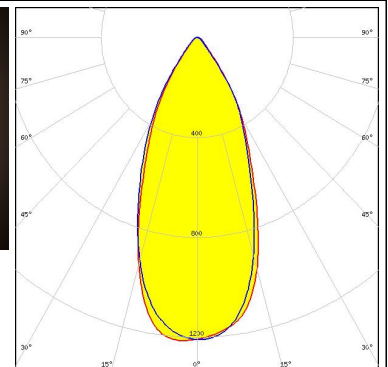
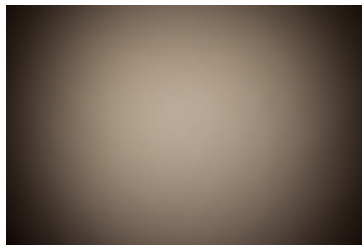
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 45.0° / 81.0°
 Efficiency 84 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14115_PF-SOCKET-CXA15-18



LED MHD-E/G
 FWHM / FWTM 45.0° / 83.0°
 Efficiency 82 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



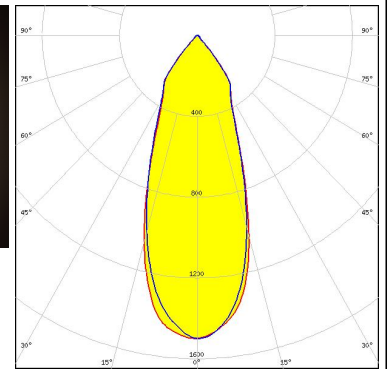
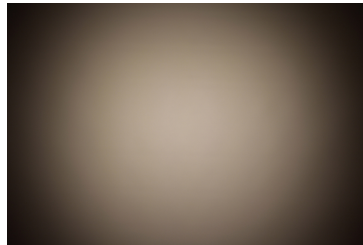
LED MHD-E/G
 FWHM / FWTM 45.0° / 78.0°
 Efficiency 84 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



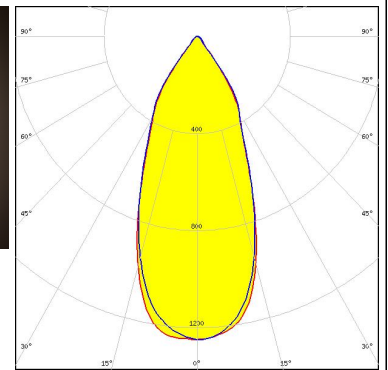
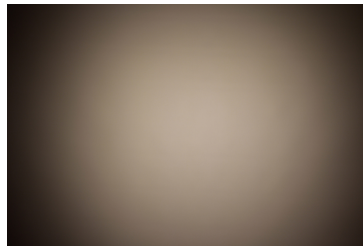
OPTICAL RESULTS (MEASURED):



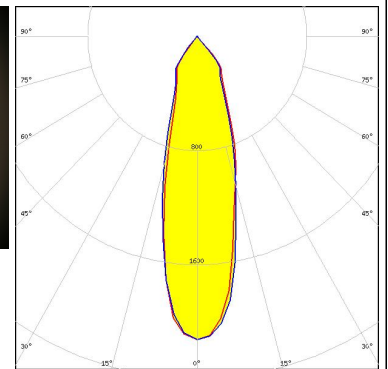
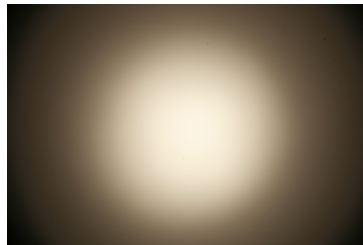
LED MHD-E/G
FWHM / FWTM 38.0° / 82.0°
Efficiency 89 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



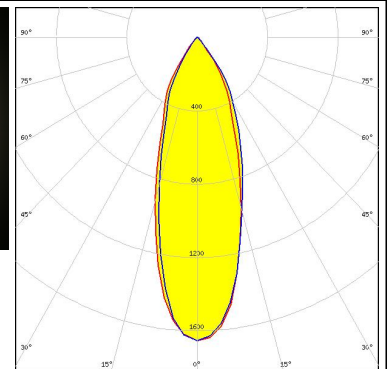
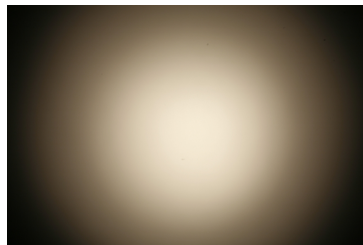
LED MHD-E/G
FWHM / FWTM 44.0° / 77.0°
Efficiency 84 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



LED MK-R
FWHM / FWTM 30.0° / 77.0°
Efficiency 85 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



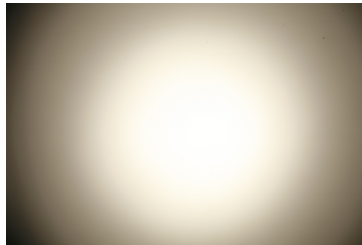
LED MK-R
FWHM / FWTM 34.0° / 73.0°
Efficiency 80 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



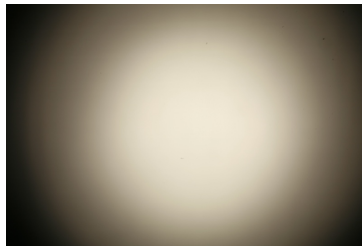
OPTICAL RESULTS (MEASURED):



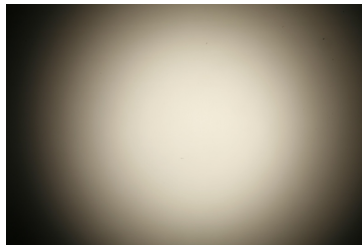
LED MT-G
FWHM / FWTM 48.0° / 87.0°
Efficiency 90 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



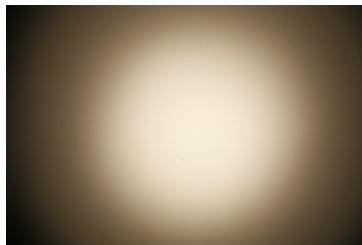
LED MT-G
FWHM / FWTM 52.0° / 83.0°
Efficiency 86 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



LED MT-G
FWHM / FWTM 52.0° / 84.0°
Efficiency 86 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



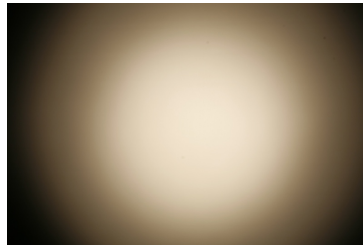
LED MT-G2
FWHM / FWTM 46.0° / 86.0°
Efficiency 91 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



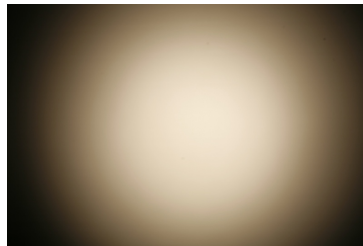
OPTICAL RESULTS (MEASURED):



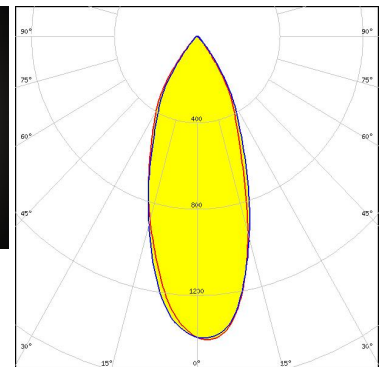
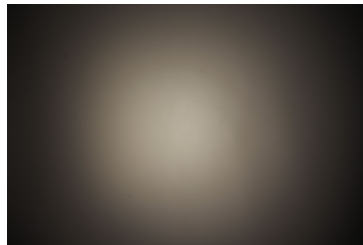
LED MT-G2
 FWHM / FWTM 50.0° / 81.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



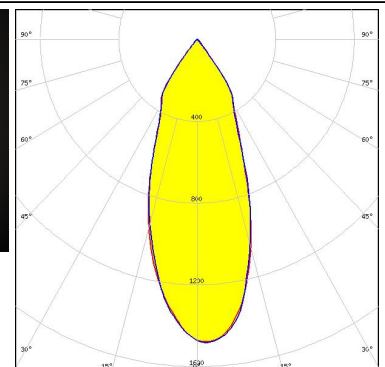
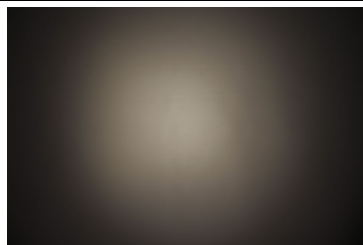
LED MT-G2
 FWHM / FWTM 51.0° / 82.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



LED XHP50
 FWHM / FWTM 39.0° / 76.0°
 Efficiency 82 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



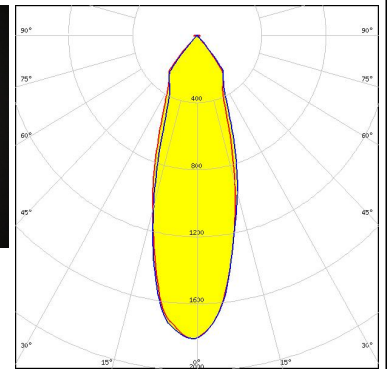
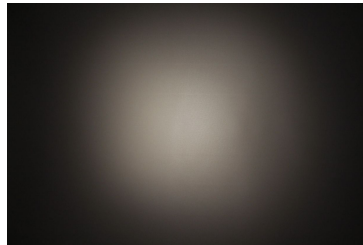
LED XHP50
 FWHM / FWTM 39.0° / 76.0°
 Efficiency 81 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



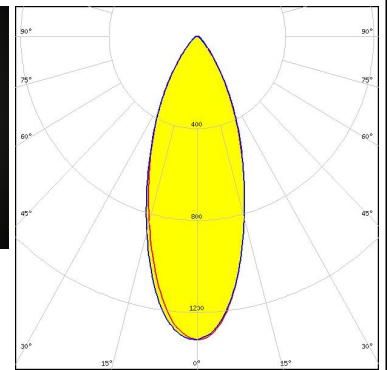
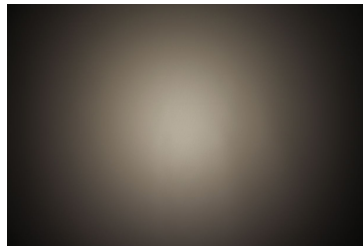
OPTICAL RESULTS (MEASURED):



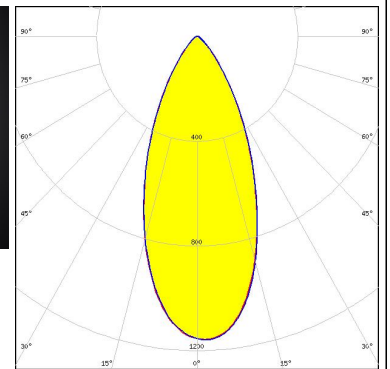
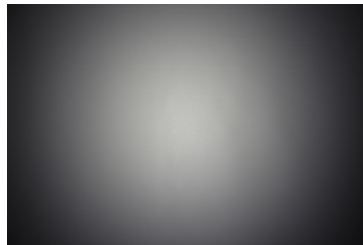
LED XHP50
FWHM / FWTM 33.0° / 80.0°
Efficiency 87 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



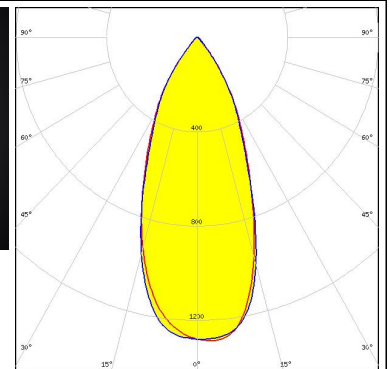
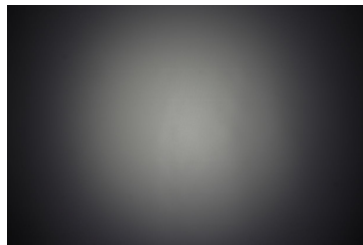
LED XHP50
FWHM / FWTM 38.0° / 77.0°
Efficiency 80 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



LED XHP70
FWHM / FWTM 44.0° / 80.0°
Efficiency 79 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



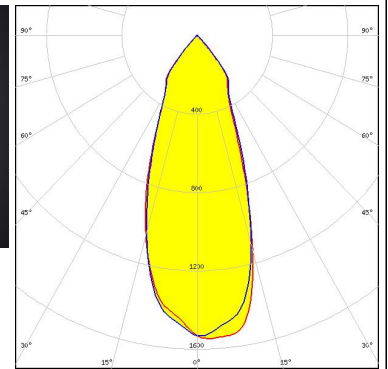
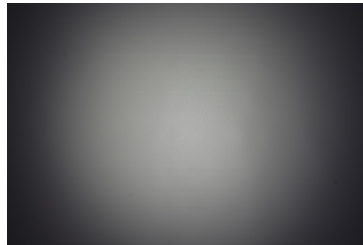
LED XHP70
FWHM / FWTM 43.0° / 77.0°
Efficiency 81 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



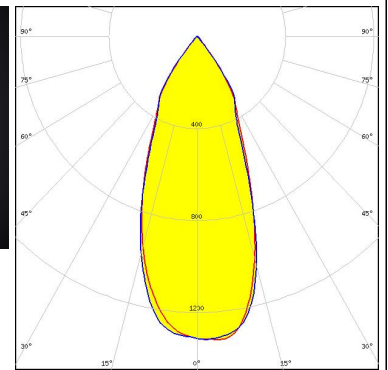
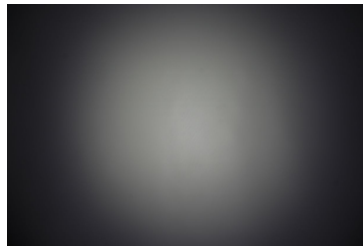
OPTICAL RESULTS (MEASURED):



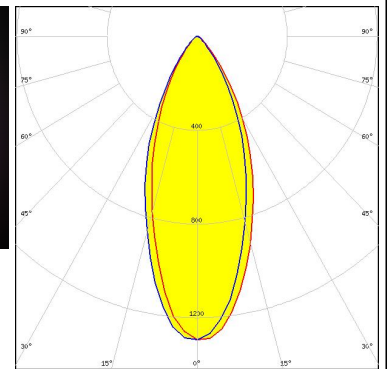
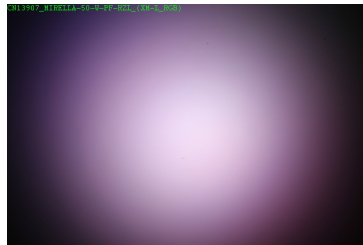
LED XHP70
FWHM / FWTM 39.0° / 82.0°
Efficiency 86 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



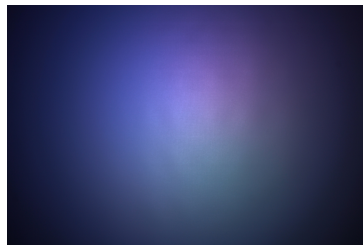
LED XHP70
FWHM / FWTM 42.0° / 77.0°
Efficiency 81 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



LED XM-L RGBW (XMLCTW)
FWHM / FWTM 41.0° / 80.0°
Efficiency 80 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



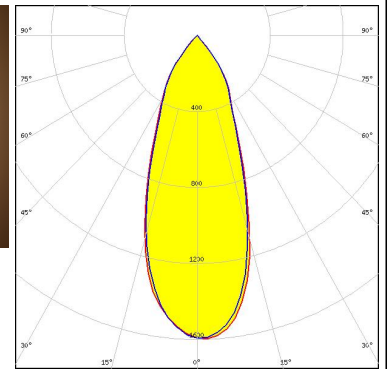
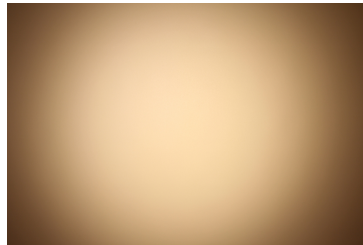
LED XQ-E HI
FWHM / FWTM 42.0° / 82.0°
Efficiency 87 %
Peak intensity 1.4 cd/lm
LEDs/each optic 4
Light colour RGBW
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



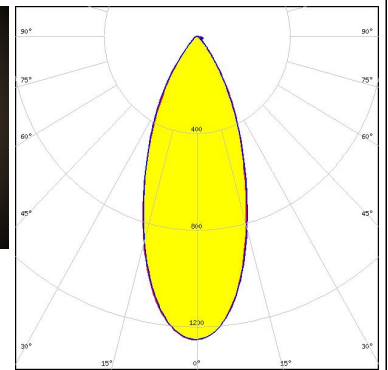
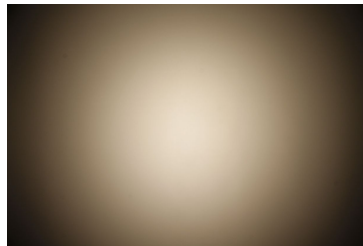
OPTICAL RESULTS (MEASURED):



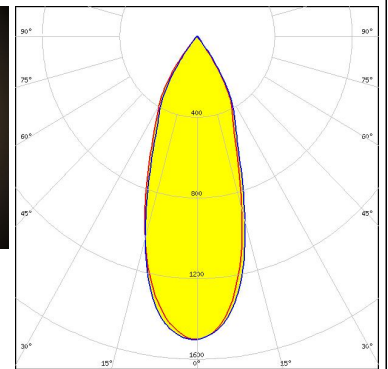
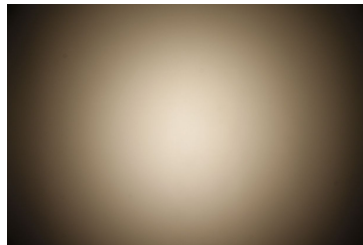
LED LUXEON CoB 1202/1203
 FWHM / FWTM 39.0° / 79.0°
 Efficiency 86 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14037_PF-NSX-SOCKET



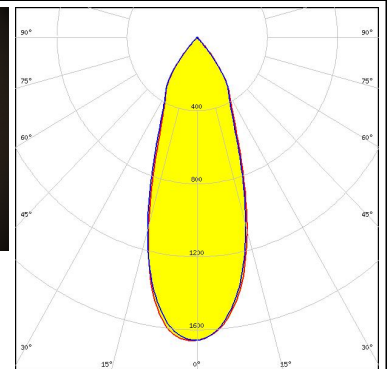
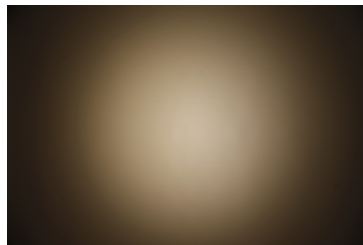
LED LUXEON CoB 1202/1203
 FWHM / FWTM 40.0° / 75.0°
 Efficiency 75 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



LED LUXEON CoB 1202/1203
 FWHM / FWTM 37.0° / 72.0°
 Efficiency 77 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 438 Typ L1



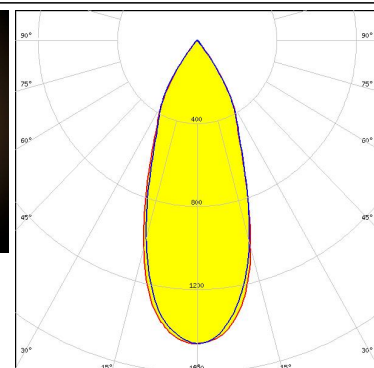
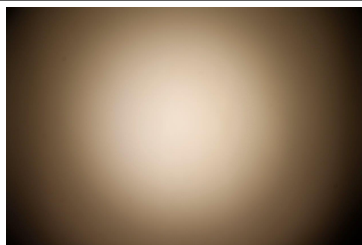
LED LUXEON CoB 1202/1203
 FWHM / FWTM 37.0° / 78.0°
 Efficiency 87 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100NC +50-2100MR



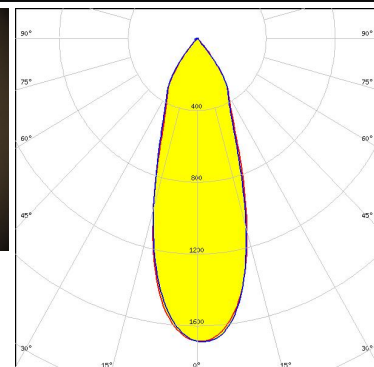
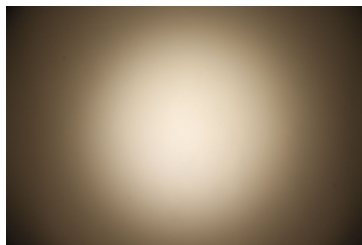
OPTICAL RESULTS (MEASURED):



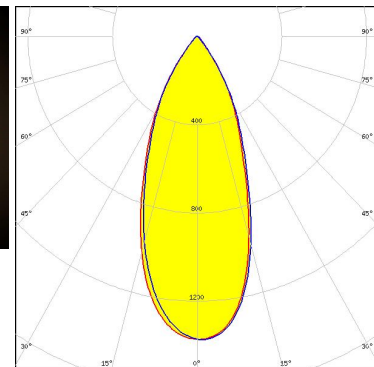
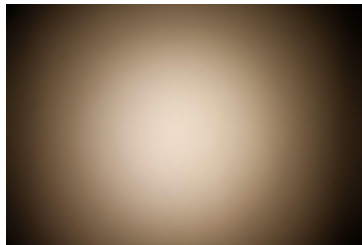
LED LUXEON CoB 1202/1203
 FWHM / FWTM 39.0° / 74.0°
 Efficiency 80 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



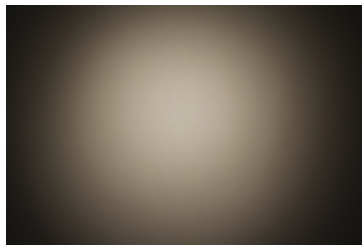
LED LUXEON CoB 1202/1203
 FWHM / FWTM 35.0° / 76.0°
 Efficiency 83 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



LED LUXEON CoB 1202/1203
 FWHM / FWTM 41.0° / 75.0°
 Efficiency 81 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



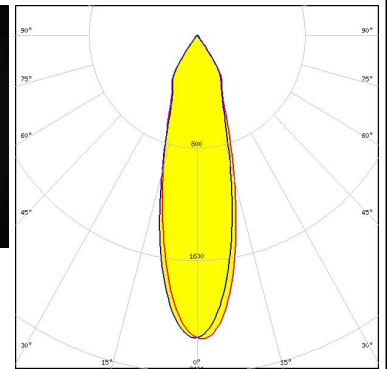
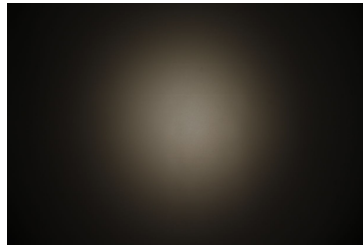
LED LUXEON CoB 1202s
 FWHM / FWTM 35.0° / 82.0°
 Efficiency 88 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15



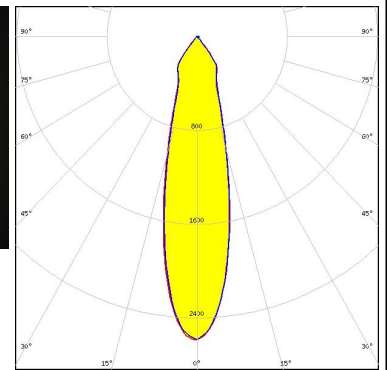
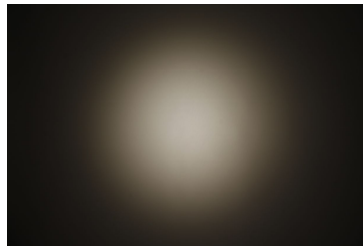
OPTICAL RESULTS (MEASURED):



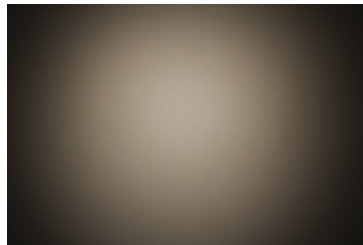
LED LUXEON CoB 1202s
 FWHM / FWTM 28.0° / 69.0°
 Efficiency 81 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 452 Typ L1



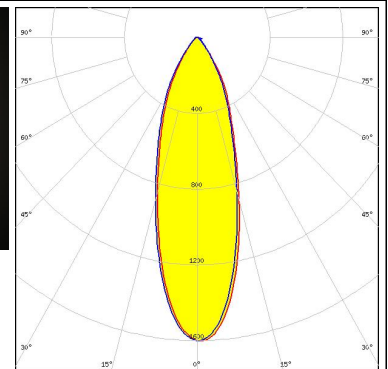
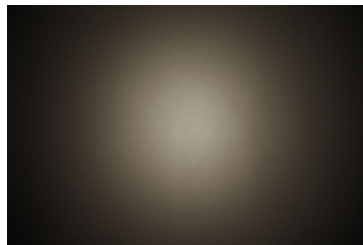
LED LUXEON CoB 1202s
 FWHM / FWTM 25.0° / 72.0°
 Efficiency 85 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 452 Typ L1



LED LUXEON CoB 1202s
 FWHM / FWTM 40.0° / 78.0°
 Efficiency 82 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



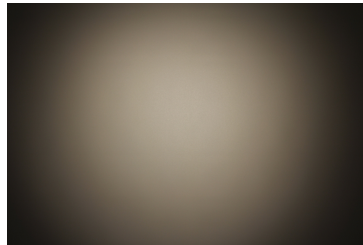
LED LUXEON CoB 1202s
 FWHM / FWTM 32.0° / 71.0°
 Efficiency 77 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 452 Typ L1



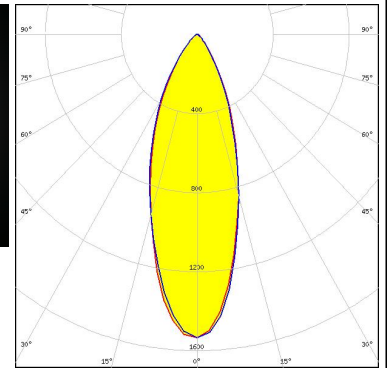
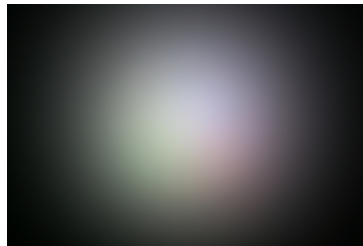
OPTICAL RESULTS (MEASURED):



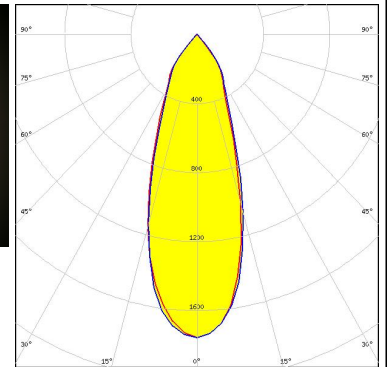
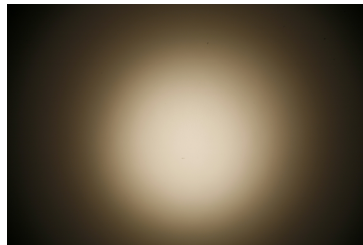
LED LUXEON CoB 1202s
 FWHM / FWTM 41.0° / 78.0°
 Efficiency 82 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



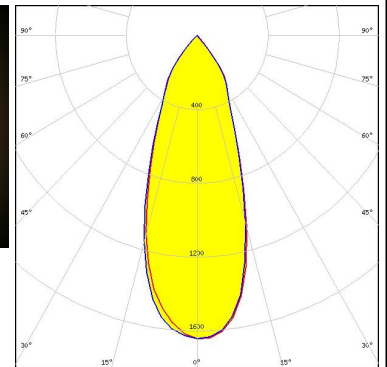
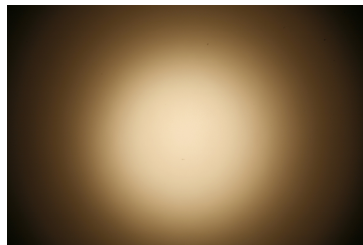
LED LUXEON Z
 FWHM / FWTM 36.0° / 75.0°
 Efficiency 79 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 4
 Light colour RGBW
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



LED CxM-6 (12x13)
 FWHM / FWTM 36.0° / 79.0°
 Efficiency 85 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



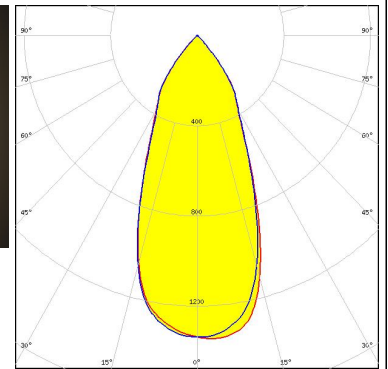
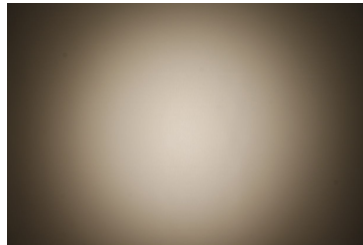
LED CXM-7 (13x13)
 FWHM / FWTM 38.0° / 79.0°
 Efficiency 86 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



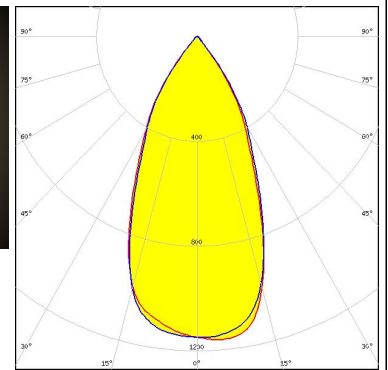
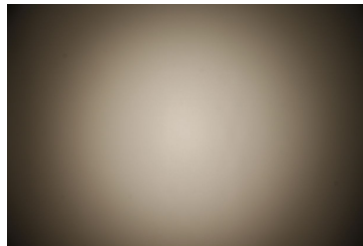
OPTICAL RESULTS (MEASURED):



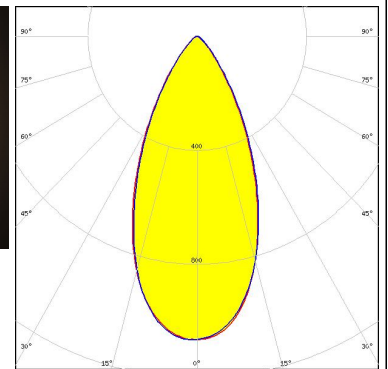
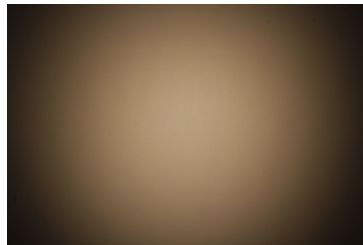
LED CxM-9 (13.5x13.5)
 FWHM / FWTM 44.0° / 82.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



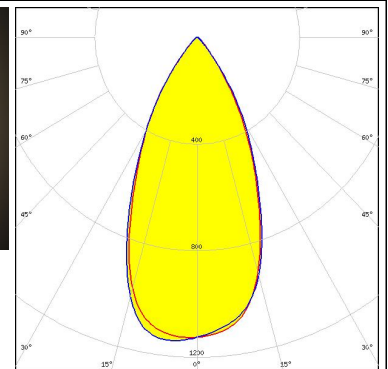
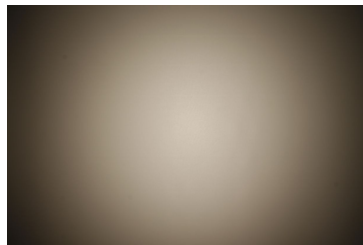
LED CxM-9 (13.5x13.5)
 FWHM / FWTM 48.0° / 78.0°
 Efficiency 83 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



LED CxM-9 (13.5x13.5)
 FWHM / FWTM 48.0° / 83.0°
 Efficiency 80 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



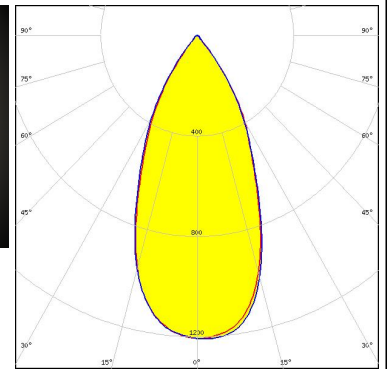
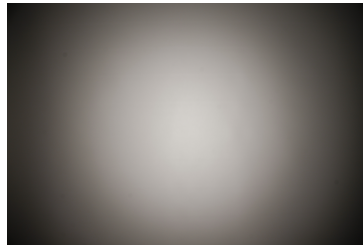
LED CxM-9 (13.5x13.5)
 FWHM / FWTM 49.0° / 79.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



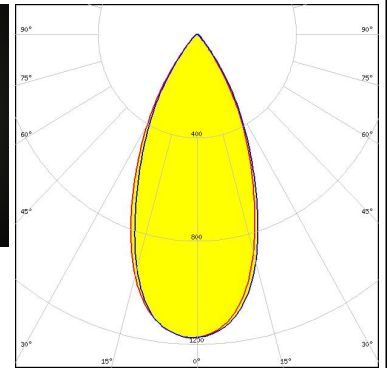
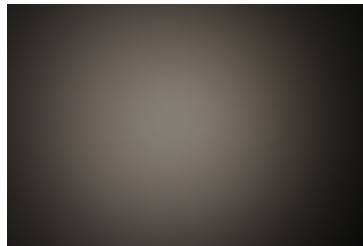
OPTICAL RESULTS (MEASURED):



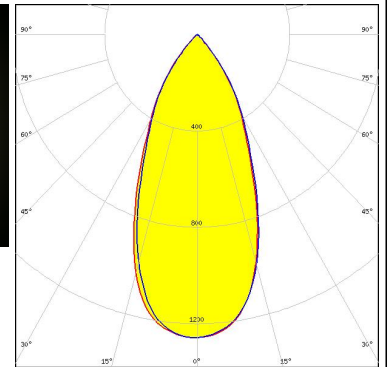
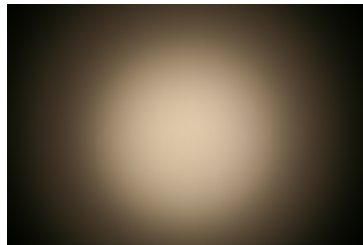
LED COB L-Type (LES 11)
 FWHM / FWTM 47.0° / 77.0°
 Efficiency 81 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



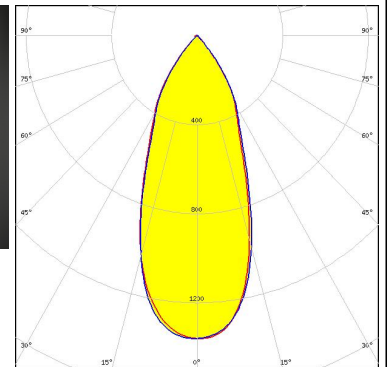
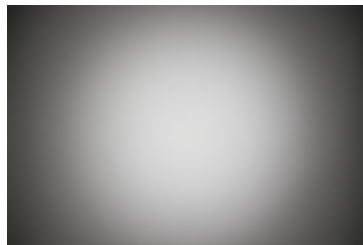
LED COB L-Type (LES 11)
 FWHM / FWTM 46.0° / 77.0°
 Efficiency 80 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



LED COB L-Type (LES 11)
 FWHM / FWTM 46.0° / 82.0°
 Efficiency 84 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14037_PF-NSX-SOCKET



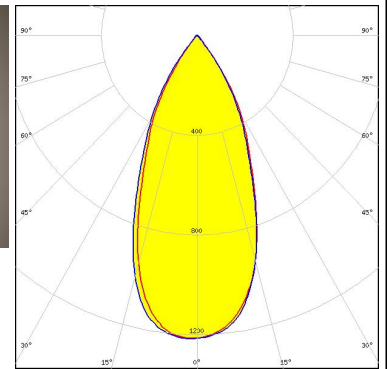
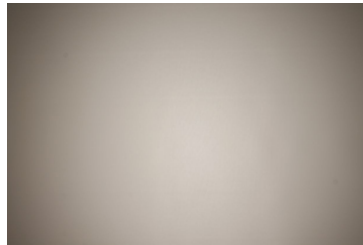
LED COB L-Type (LES 11)
 FWHM / FWTM 41.0° / 79.0°
 Efficiency 81 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



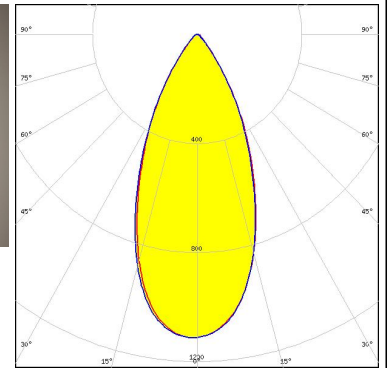
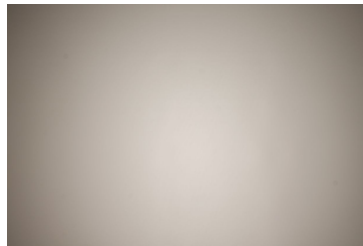
OPTICAL RESULTS (MEASURED):



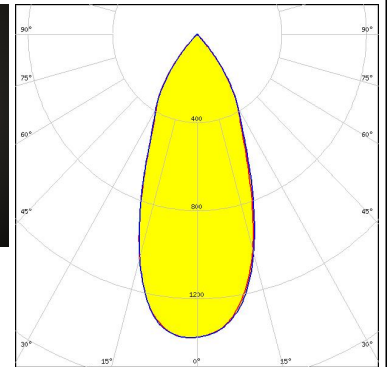
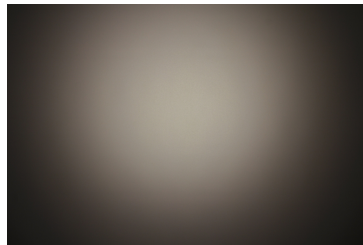
LED COB L-Type (LES 11)
 FWHM / FWTM 45.0° / 75.0°
 Efficiency 77 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 438 Typ L1



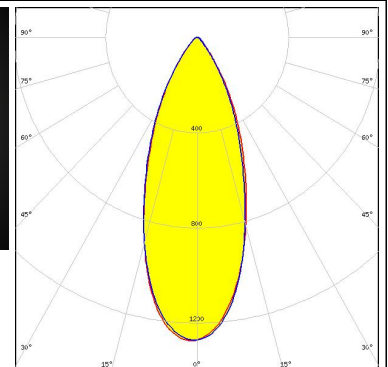
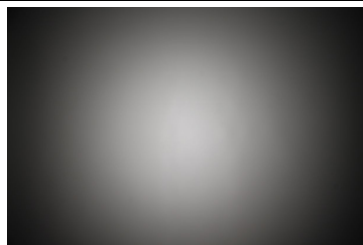
LED COB L-Type (LES 11)
 FWHM / FWTM 46.0° / 78.0°
 Efficiency 75 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



LED COB L-Type (LES 11)
 FWHM / FWTM 43.0° / 80.0°
 Efficiency 86 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100NC +50-2100MR



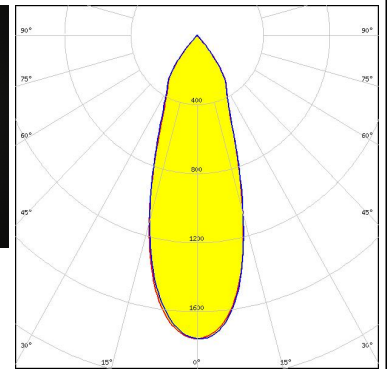
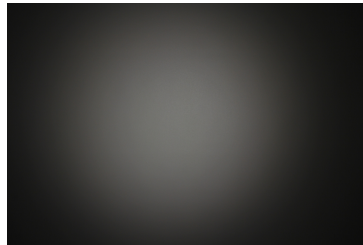
LED COB L-Type (LES 9)
 FWHM / FWTM 40.0° / 75.0°
 Efficiency 76 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



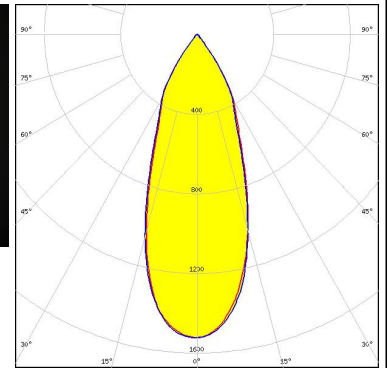
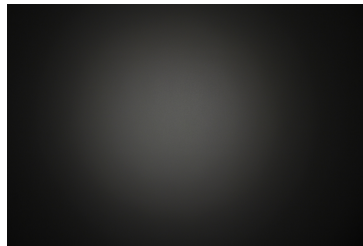
OPTICAL RESULTS (MEASURED):



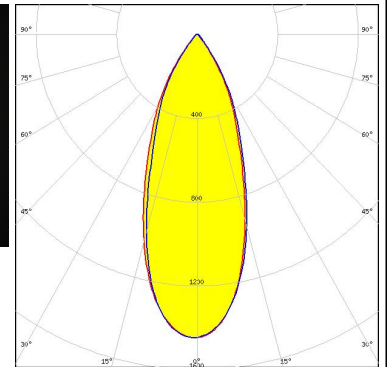
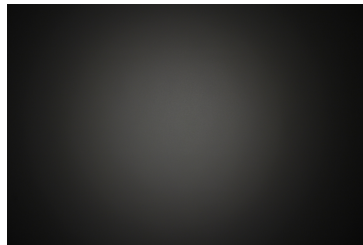
LED COB L-Type (LES 9)
 FWHM / FWTM 35.0° / 77.0°
 Efficiency 87 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100NC +50-2100MR



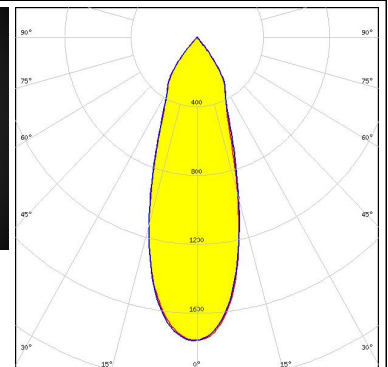
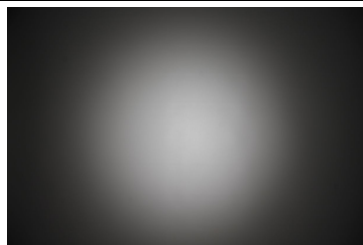
LED COB L-Type (LES 9)
 FWHM / FWTM 38.0° / 73.0°
 Efficiency 81 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



LED COB L-Type (LES 9)
 FWHM / FWTM 39.0° / 73.0°
 Efficiency 80 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



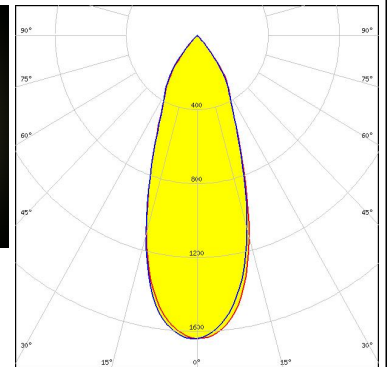
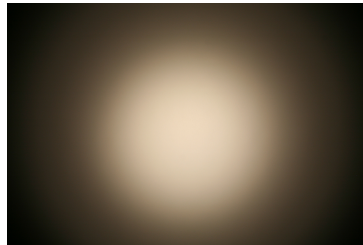
LED COB L-Type (LES 9)
 FWHM / FWTM 34.0° / 76.0°
 Efficiency 84 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



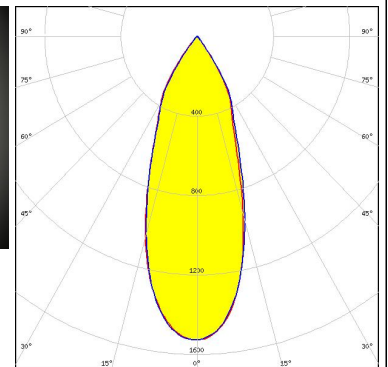
OPTICAL RESULTS (MEASURED):



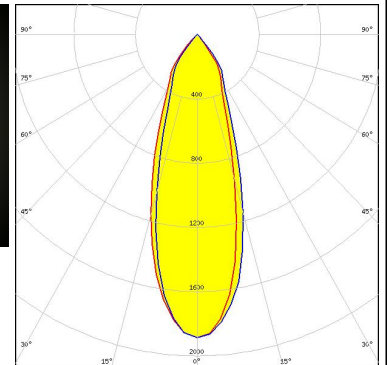
LED COB L-Type (LES 9)
 FWHM / FWTM 38.0° / 78.0°
 Efficiency 86 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14037_PF-NSX-SOCKET



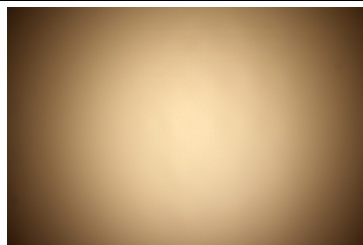
LED COB L-Type (LES 9)
 FWHM / FWTM 37.0° / 73.0°
 Efficiency 79 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 438 Typ L1



LED NSCxL036A
 FWHM / FWTM 34.0° / 76.0°
 Efficiency 85 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14037_PF-NSX-SOCKET



LED Duris S10
 FWHM / FWTM 45.0° / 81.0°
 Efficiency 79 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL

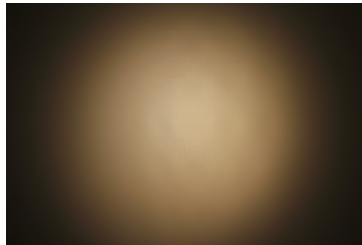


OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

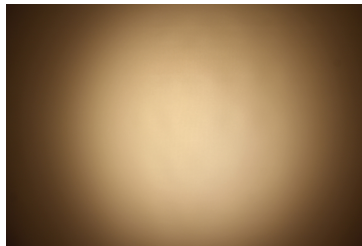
LED Duris S10
FWHM / FWTM 38.0° / 82.0°
Efficiency 87 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



OSRAM

Opto Semiconductors

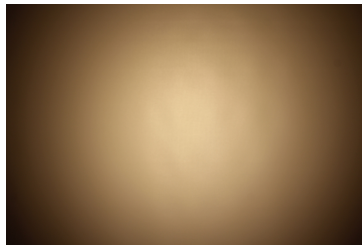
LED Duris S10
FWHM / FWTM 43.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



OSRAM

Opto Semiconductors

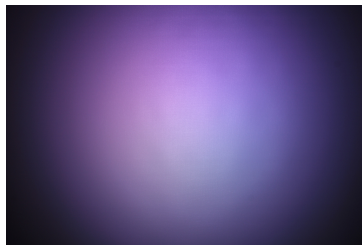
LED Duris S10
FWHM / FWTM 45.0° / 82.0°
Efficiency 80 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



OSRAM

Opto Semiconductors

LED OSTAR Stage (S2WP)
FWHM / FWTM 36.0° / 78.0°
Efficiency 83 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL

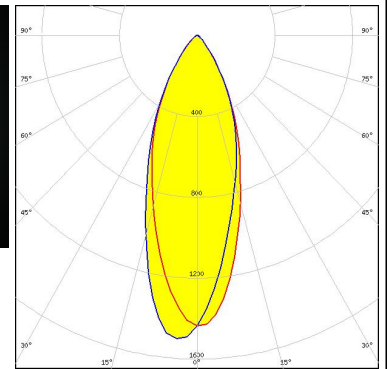
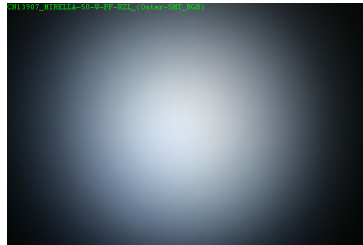


OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

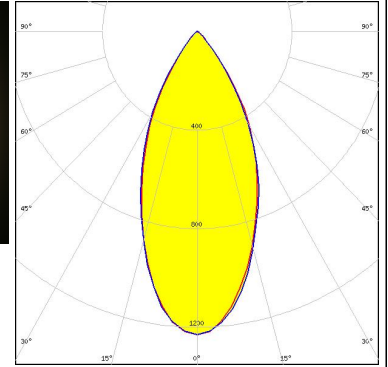
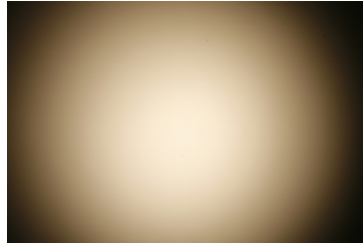
LED Ostar-SMT RGB
FWHM / FWTM 37.0° / 77.0°
Efficiency 81 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



SEOUL

SEOUL SEMICONDUCTOR

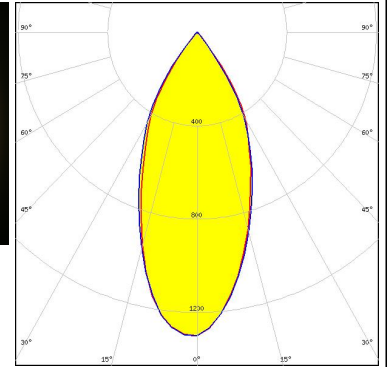
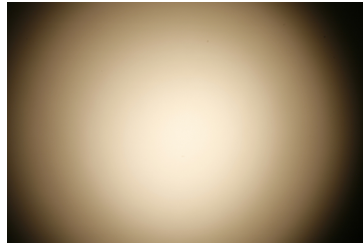
LED ZC4/6
FWHM / FWTM 48.0° / 80.0°
Efficiency 81 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



SEOUL

SEOUL SEMICONDUCTOR

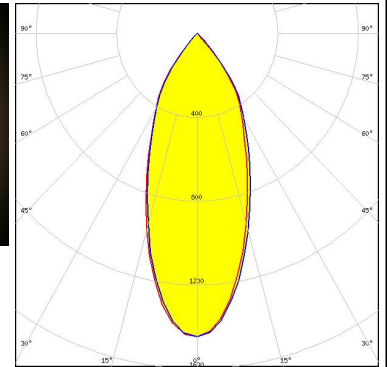
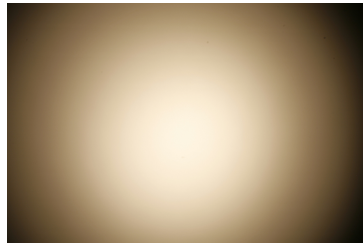
LED ZC4/6
FWHM / FWTM 46.0° / 78.0°
Efficiency 80 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



SEOUL

SEOUL SEMICONDUCTOR

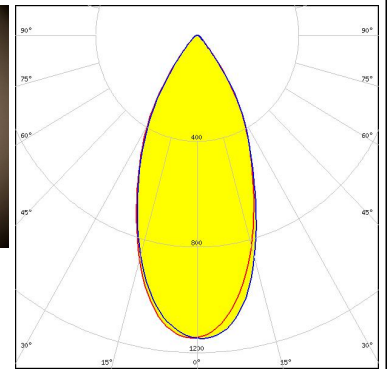
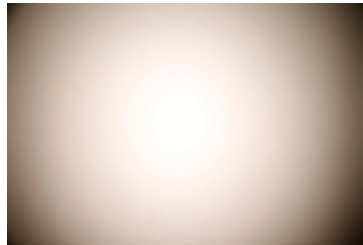
LED ZC4/6
FWHM / FWTM 42.0° / 82.0°
Efficiency 86 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



OPTICAL RESULTS (MEASURED):

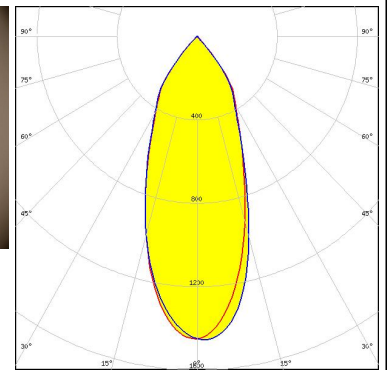
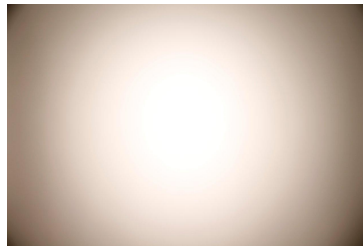
SHARP

LED Mini Zenigata (GW6BM)
 FWHM / FWTM 45.0° / 80.0°
 Efficiency 81 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



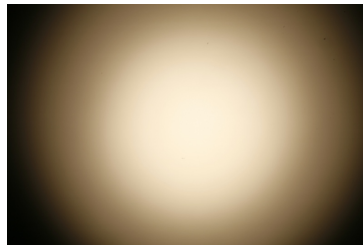
SHARP

LED Mini Zenigata (GW6BM)
 FWHM / FWTM 38.0° / 81.0°
 Efficiency 88 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



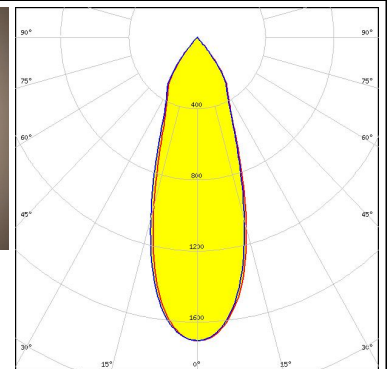
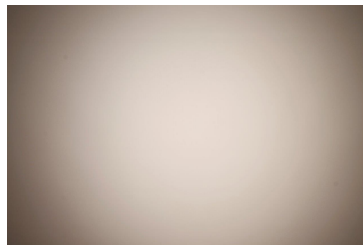
SHARP

LED Mini Zenigata (GW6BM)
 FWHM / FWTM 46.0° / 78.0°
 Efficiency 81 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



XICATO

LED XTM - 9mm LES
 FWHM / FWTM 35.0° / 76.0°
 Efficiency 83 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14636_XTM-PF-ADAPTER

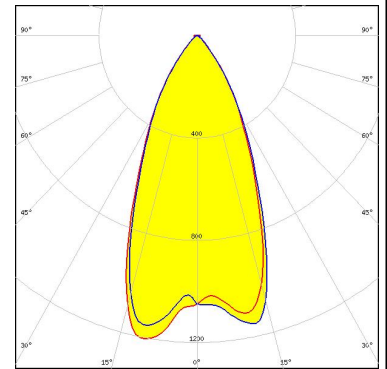


OPTICAL RESULTS (SIMULATED):



LED	XM-L RGBW (XMLDCL HD)
FWHM / FWTM	47.0° / 80.0°
Efficiency	85 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	RGBW
Required components:	
	C13083_PF-SOCKET
	C13723_MIRELLA-RZL

Protective plate, glass



LED	LUXEON CoB Compact
FWHM / FWTM	32.0° / 71.0°
Efficiency	77 %
Peak intensity	1.6 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 Compact
FWHM / FWTM	40.0° / 78.0°
Efficiency	82 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13761_PF-SOCKET-CXA15
	C12479_MIRELLA-DL



LED	LUXEON CoB Compact
FWHM / FWTM	37.0° / 72.0°
Efficiency	77 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13709_PF-SOCKET-VERO13-18
	C13333_MIRELLA-CL
	Bender Wirth: 452 Typ L1

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED LUXEON CoB Compact
 FWHM / FWTM 25.0° / 72.0°
 Efficiency 85 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 452 Typ L1

LUMILEDS

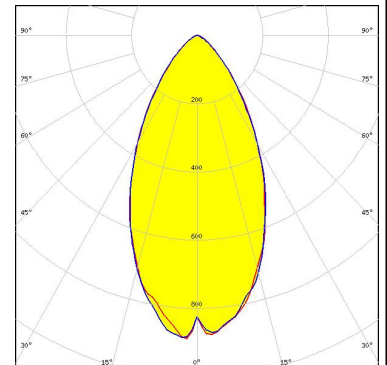
LED LUXEON CoB Compact
 FWHM / FWTM 41.0° / 78.0°
 Efficiency 82 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL

LUMILEDS

LED LUXEON CoB Compact
 FWHM / FWTM 35.0° / 82.0°
 Efficiency 88 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15

LUMILEDS

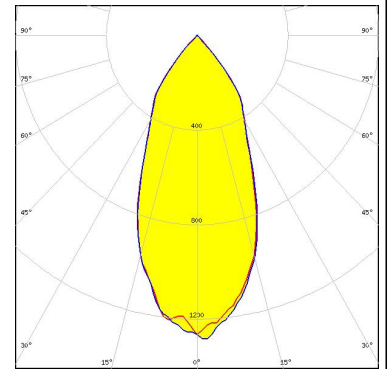
LED LUXEON K4
 FWHM / FWTM 54.0° / 98.0°
 Efficiency 83 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



OPTICAL RESULTS (SIMULATED):



LED LUXEON K4
 FWHM / FWTM 46.0° / 84.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15



LED CxM-14 (19x19)
 FWHM / FWTM 51.0° / 81.0°
 Efficiency 70 %
 Peak intensity 0.9 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-14 (19x19)
 FWHM / FWTM 49.0° / 72.0°
 Efficiency 75 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 433 Typ L1



LED CxM-9 (13.5x13.5)
 FWHM / FWTM 36.0° / 77.0°
 Efficiency 84 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1

OPTICAL RESULTS (SIMULATED):



LED CxM-9 (13.5x13.5)
FWHM / FWTM 41.0° / 76.0°
Efficiency 76 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 434 Typ L1



LED CxM-9 (13.5x13.5)
FWHM / FWTM 39.0° / 73.0°
Efficiency 78 %
Peak intensity 1.5 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 COB S-Type (LES 7)
FWHM / FWTM 28.0° / 69.0°
Efficiency 81 %
Peak intensity 2.2 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 COB S-Type (LES 7)
FWHM / FWTM 25.0° / 72.0°
Efficiency 85 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 452 Typ L1

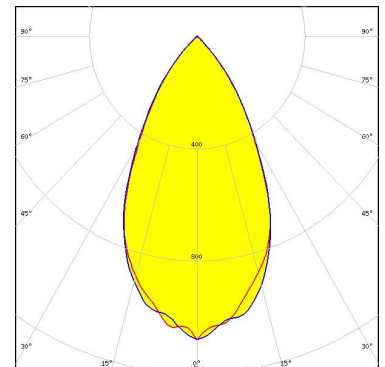
OPTICAL RESULTS (SIMULATED):



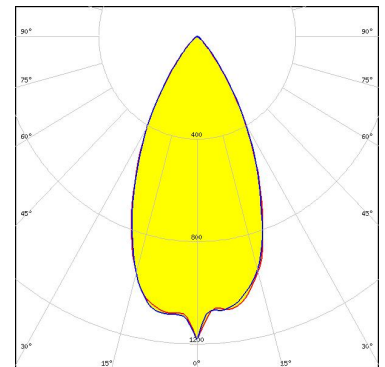
LED COB S-Type (LES 7)
 FWHM / FWTM 32.0° / 71.0°
 Efficiency 77 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 452 Typ L1



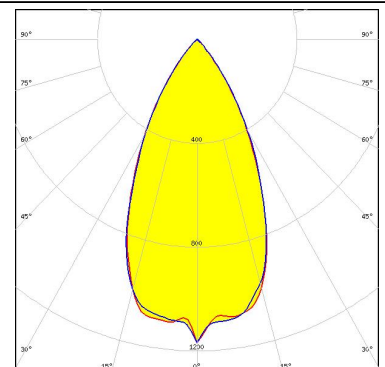
LED Soleriq S15
 FWHM / FWTM 56.0° / 86.0°
 Efficiency 86 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 433 Typ L1



LED Soleriq S9
 FWHM / FWTM 50.0° / 80.0°
 Efficiency 85 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



LED Soleriq S9
 FWHM / FWTM 51.0° / 80.0°
 Efficiency 85 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL

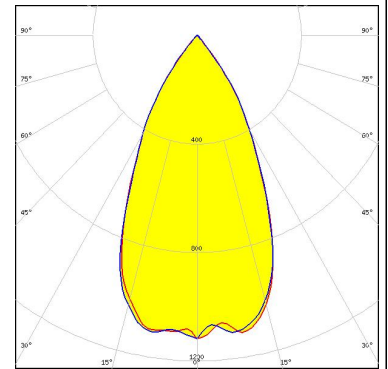


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

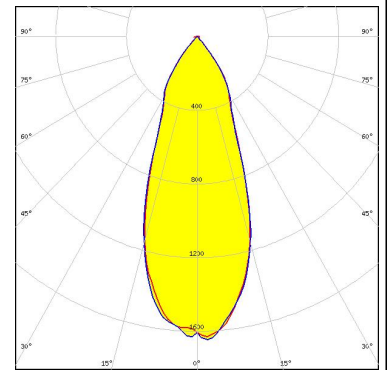
LED Soleriq S9
FWHM / FWTM 52.0° / 79.0°
Efficiency 85 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



OSRAM

Opto Semiconductors

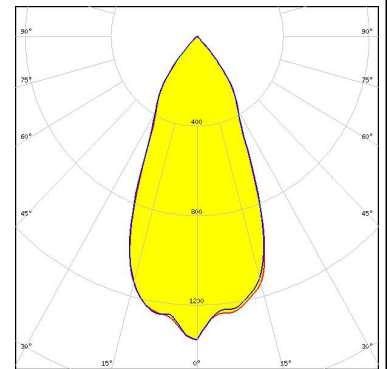
LED Soleriq S9
FWHM / FWTM 38.0° / 77.0°
Efficiency 88 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18



OSRAM

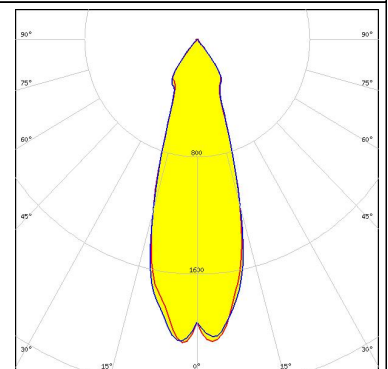
Opto Semiconductors

LED Soleriq S9
FWHM / FWTM 46.0° / 82.0°
Efficiency 91 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



SAMSUNG

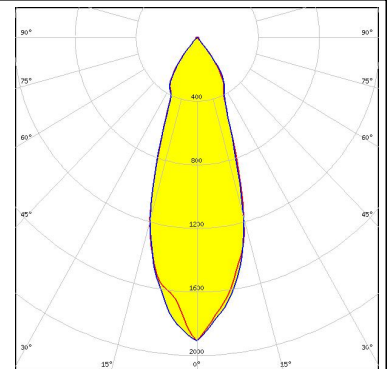
LED LC010C
FWHM / FWTM 32.0° / 74.0°
Efficiency 87 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 479 Typ L1



OPTICAL RESULTS (SIMULATED):

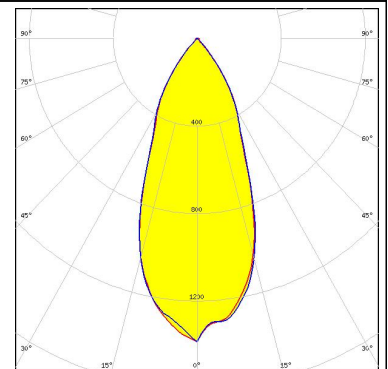
SAMSUNG

LED LC020C
 FWHM / FWTM 35.0° / 75.0°
 Efficiency 86 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 479 Typ L1



SAMSUNG

LED LC040C
 FWHM / FWTM 42.0° / 79.0°
 Efficiency 84 %
 Peak intensity 1.4 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 / FWTM 39.0° / 73.0°
 Efficiency 78 %
 Peak intensity 1.5 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 / FWTM 36.0° / 77.0°
 Efficiency 84 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1

OPTICAL RESULTS (SIMULATED):

 SEOUL SEMICONDUCTOR	
LED	ZC4/6
FWHM / FWTM	41.0° / 76.0°
Efficiency	76 %
Peak intensity	1.3 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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where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

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Hong Kong, China

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