

MIRELLA-50-S-PF

~15° spot beam

SPECIFICATION:

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

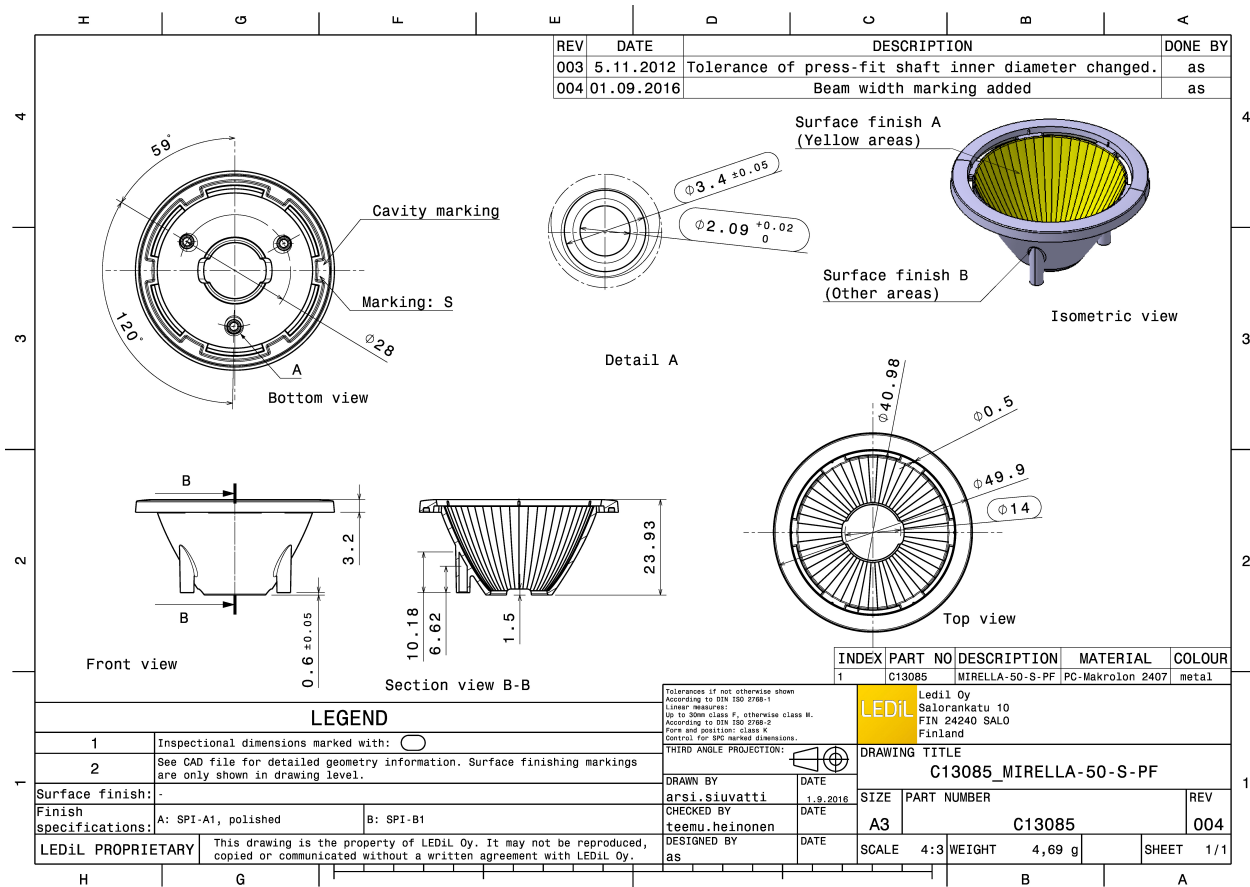
MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13085_MIRELLA-50-S-PF » Box size: 480 x 280 x 300 mm	336	112	28	3.0





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

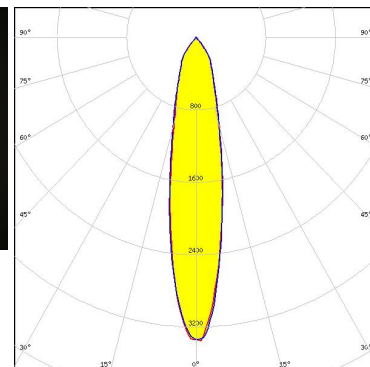
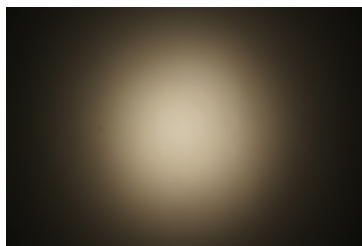
OPTICAL RESULTS (MEASURED):



LED V10 Gen7
FWHM / FWTM 21.0° / 61.0°
Efficiency 91 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18
Bender Wirth: 486 Typ L1



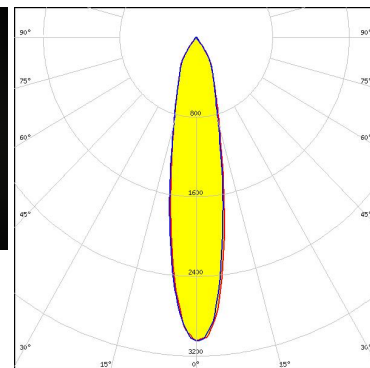
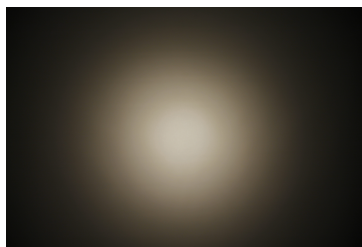
Light distribution files



LED V10 Gen7
FWHM / FWTM 21.0° / 61.0°
Efficiency 81 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL



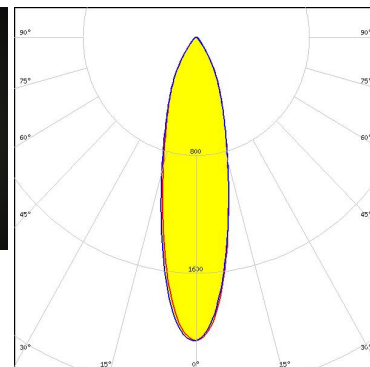
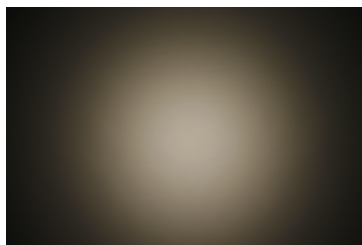
Light distribution files



LED V10 Gen7
FWHM / FWTM 26.0° / 66.0°
Efficiency 79 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL

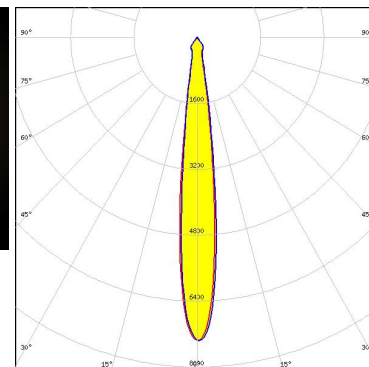
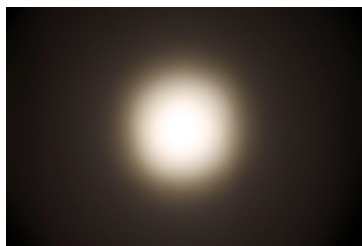


Light distribution files

OPTICAL RESULTS (MEASURED):



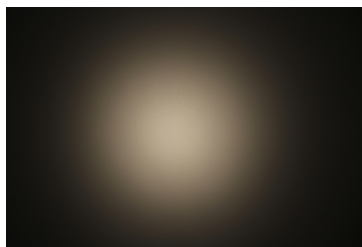
LED V6 Gen6
 FWHM / FWTM 13.0° / 26.0°
 Efficiency 84 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



Light distribution files



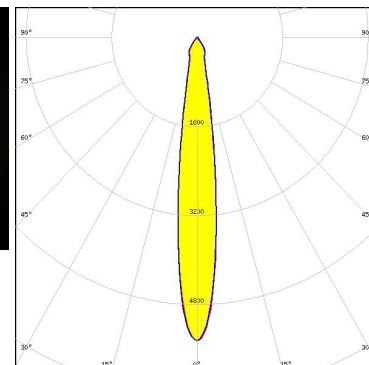
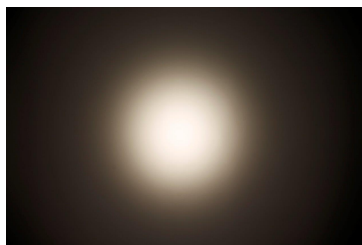
LED V6 Gen6
 FWHM / FWTM 18.0° / 52.0°
 Efficiency 73 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 460 Typ L1



Light distribution files



LED V6 Gen6
 FWHM / FWTM 15.0° / 33.0°
 Efficiency 84 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL

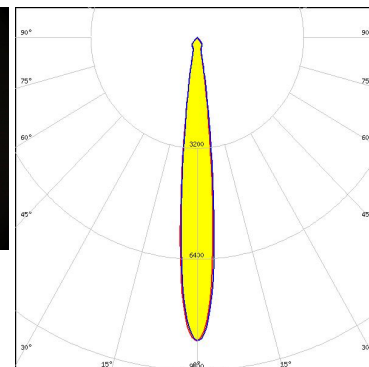
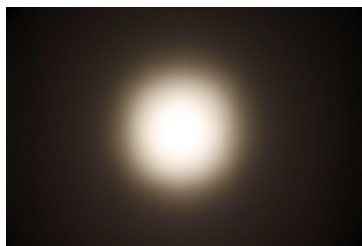


Light distribution files

OPTICAL RESULTS (MEASURED):



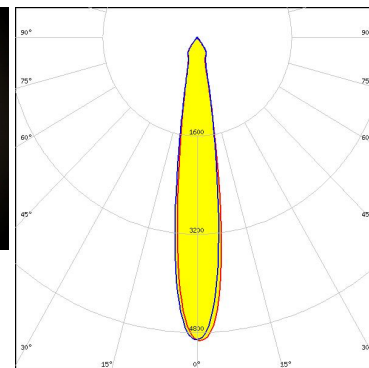
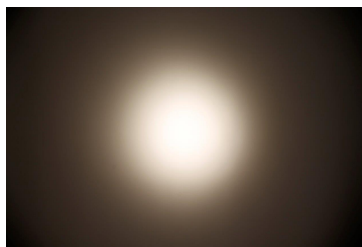
LED V6 Gen6
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 90 %
 Peak intensity 8.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15



Light distribution files



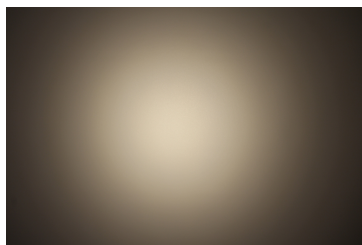
LED V8 Gen6
 FWHM / FWTM 16.0° / 36.0°
 Efficiency 84 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



Light distribution files



LED V8 Gen6
 FWHM / FWTM 20.0° / 62.0°
 Efficiency 71 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 460 Typ L1

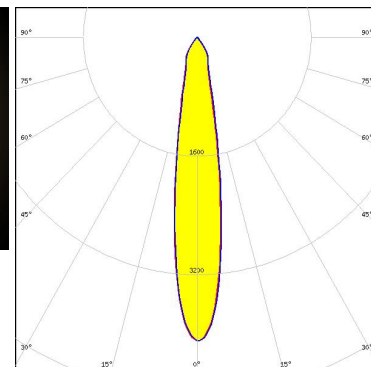
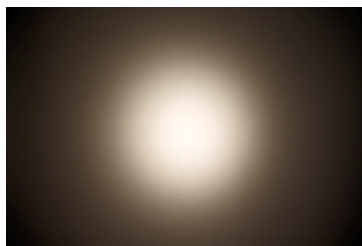


Light distribution files

OPTICAL RESULTS (MEASURED):



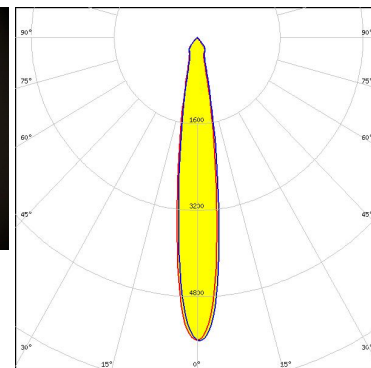
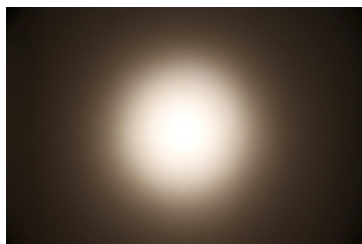
LED V8 Gen6
 FWHM / FWTM 18.0° / 44.0°
 Efficiency 85 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



Light distribution files



LED V8 Gen6
 FWHM / FWTM 15.0° / 34.0°
 Efficiency 90 %
 Peak intensity 5.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15



Light distribution files



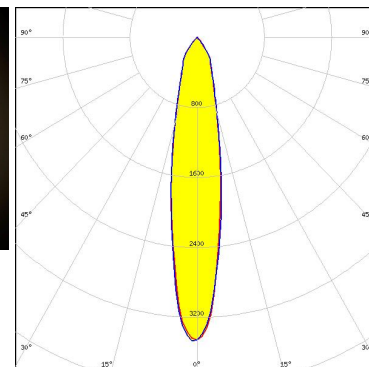
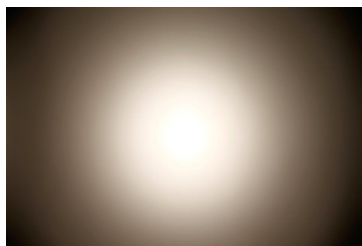
LED VERO10
 FWHM / FWTM 23.0° / 63.0°
 Efficiency 83 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13708_PF-SOCKET-VERO10
 C13333_MIRELLA-CL

Light distribution files

OPTICAL RESULTS (MEASURED):



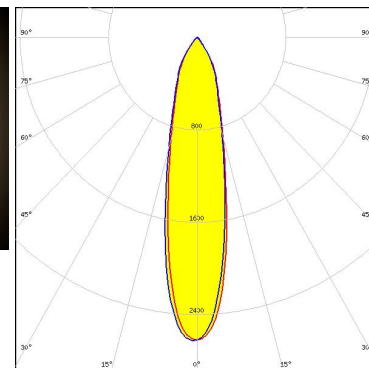
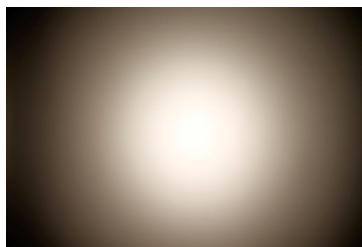
LED VERO10
 FWHM / FWTM 20.0° / 57.0°
 Efficiency 88 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13708_PF-SOCKET-VERO10



Light distribution files



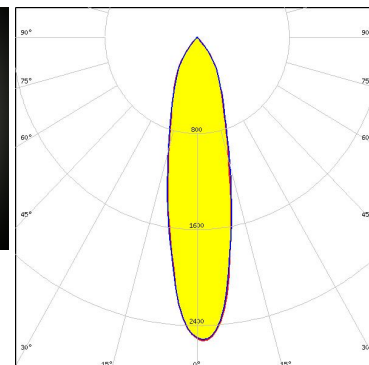
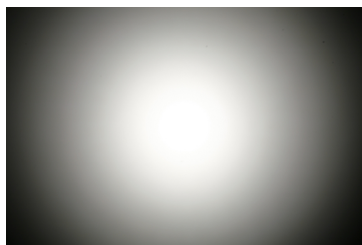
LED VERO10
 FWHM / FWTM 23.0° / 63.0°
 Efficiency 83 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13708_PF-SOCKET-VERO10
 C12479_MIRELLA-DL



Light distribution files



LED VERO13
 FWHM / FWTM 25.0° / 69.0°
 Efficiency 89 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18



Light distribution files

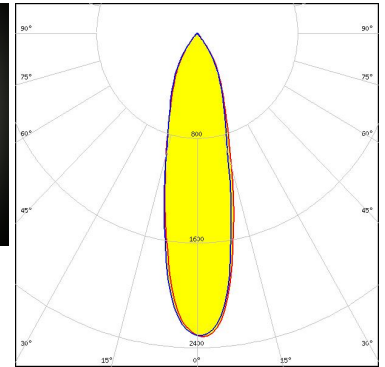
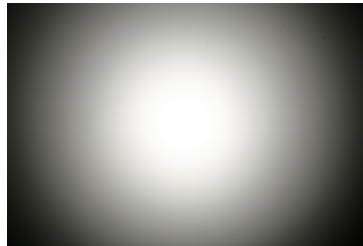
OPTICAL RESULTS (MEASURED):



LED VERO13
FWHM / FWTM 26.0° / 67.0°
Efficiency 83 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL



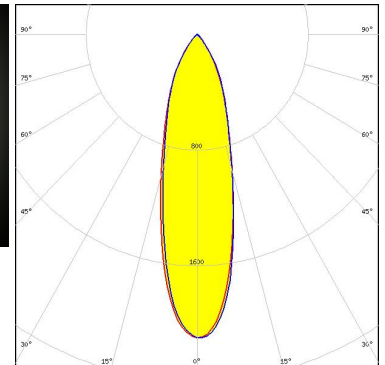
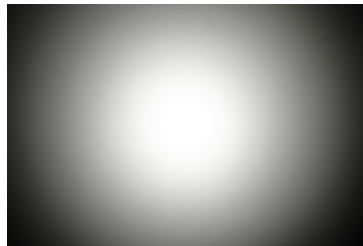
Light distribution files



LED VERO13
FWHM / FWTM 28.0° / 68.0°
Efficiency 84 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL



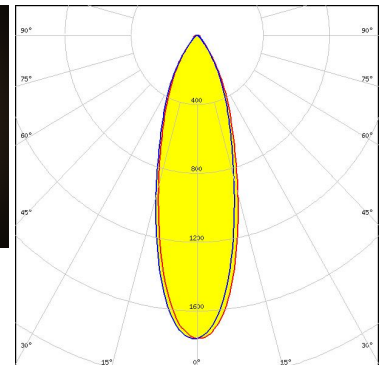
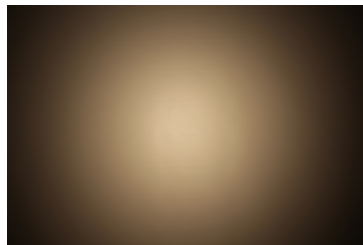
Light distribution files



LED Xenio Point 13mm
FWHM / FWTM 31.0° / 70.0°
Efficiency 81 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL

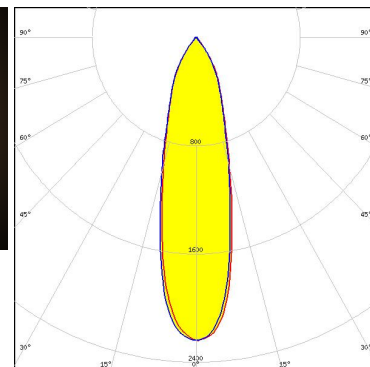
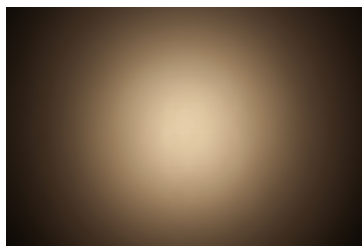


Light distribution files

OPTICAL RESULTS (MEASURED):



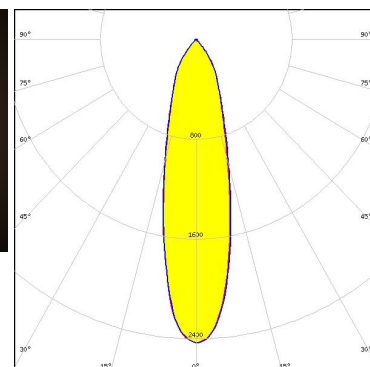
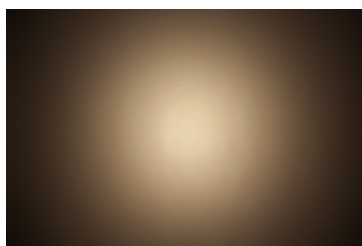
LED Xenio Point 13mm
 FWHM / FWTM 27.0° / 67.0°
 Efficiency 83 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL



Light distribution files



LED Xenio Point 13mm
 FWHM / FWTM 26.0° / 69.0°
 Efficiency 87 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18



Light distribution files

CITIZEN

LED CLL01x
 FWHM / FWTM 13.0° / 27.0°
 Efficiency 84 %
 Peak intensity 7.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

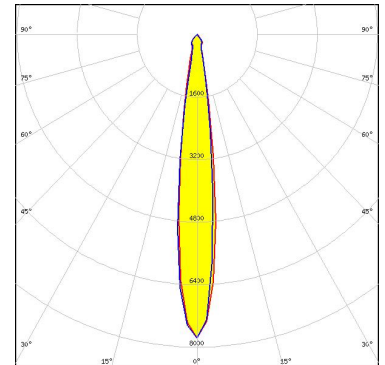
LED CLL01x
FWHM / FWTM 15.0° / 32.0°
Efficiency 84 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



Light distribution files

CITIZEN

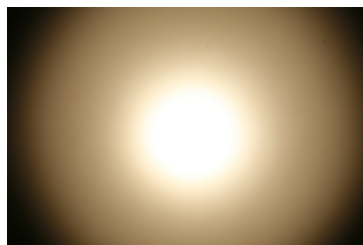
LED CLL01x
FWHM / FWTM 14.0° / 27.0°
Efficiency 88 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET



Light distribution files

CITIZEN

LED CLU02x (LES10)
FWHM / FWTM 18.0° / 43.0°
Efficiency 83 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL

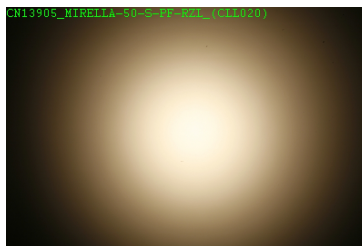


Light distribution files

OPTICAL RESULTS (MEASURED):

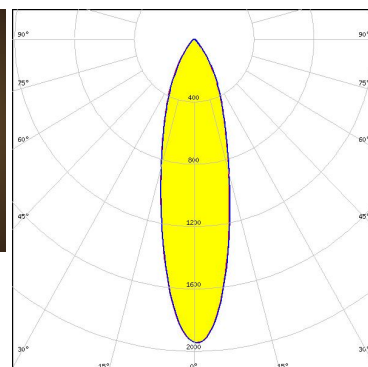
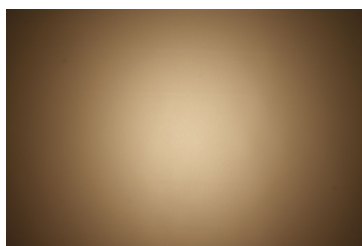
CITIZEN

LED CLU02x (LES10)
 FWHM / FWTM 25.0° / 64.0°
 Efficiency %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



CITIZEN

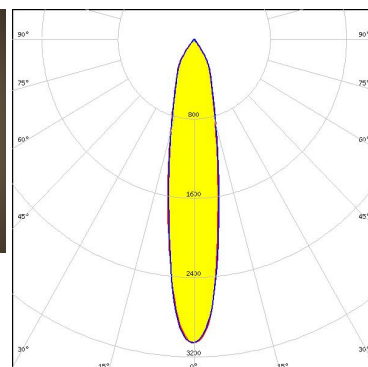
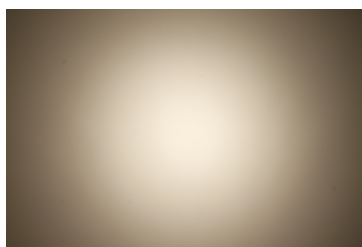
LED CLU02x (LES10)
 FWHM / FWTM 27.0° / 67.0°
 Efficiency 77 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 434 Typ L1



Light distribution files

CITIZEN

LED CLU02x (LES10)
 FWHM / FWTM 20.0° / 61.0°
 Efficiency 80 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 434 Typ L1



Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

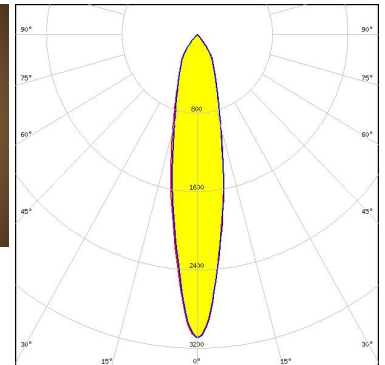
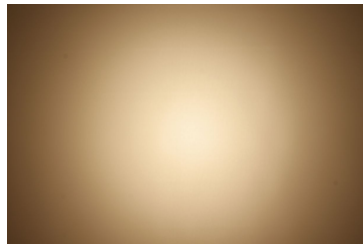
LED CLU02x (LES10)
 FWHM / FWTM 20.0° / 54.0°
 Efficiency 83 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files

CITIZEN

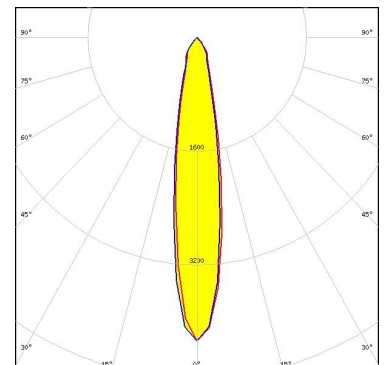
LED CLU02x (LES10)
 FWHM / FWTM 21.0° / 63.0°
 Efficiency 84 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1



Light distribution files

CITIZEN

LED CLU02x (LES10)
 FWHM / FWTM 19.0° / 46.0°
 Efficiency 87 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET

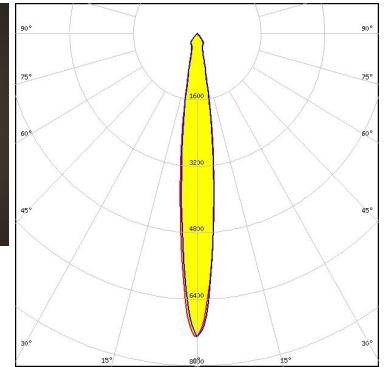
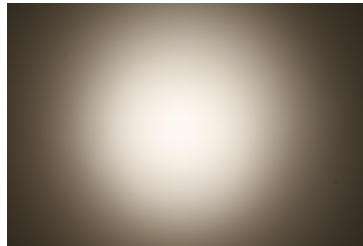


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

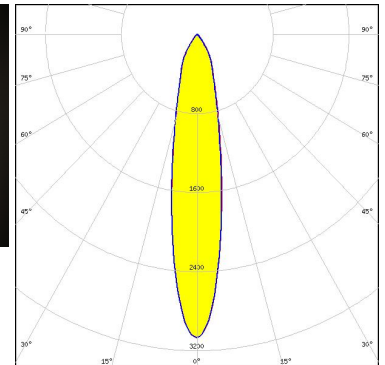
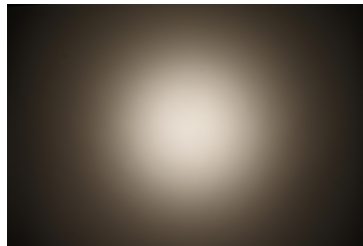
LED CLU700/701/702/703
 FWHM / FWTM 13.0° / 29.0°
 Efficiency 89 %
 Peak intensity 7.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET



Light distribution files

CITIZEN

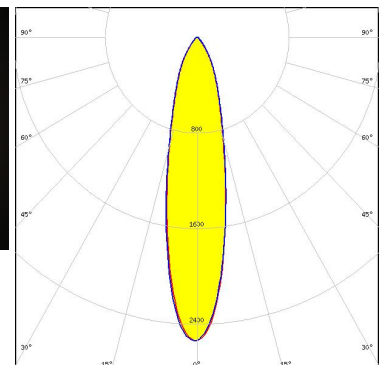
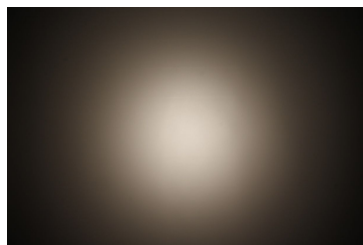
LED CLU700/701/702/703
 FWHM / FWTM 20.0° / 58.0°
 Efficiency 79 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 434 Typ L1



Light distribution files

CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 23.0° / 61.0°
 Efficiency 82 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL

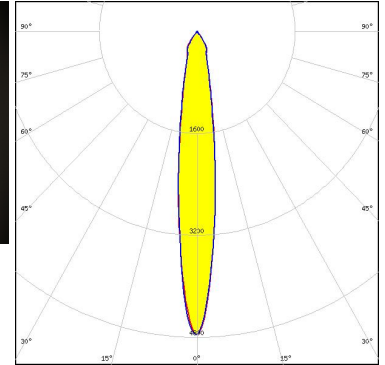


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

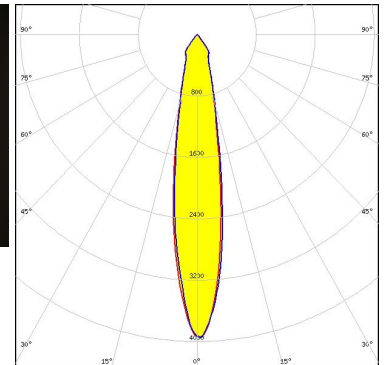
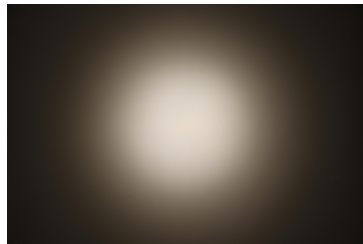
LED CLU700/701/702/703
 FWHM / FWTM 14.0° / 40.0°
 Efficiency 79 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 434 Typ L1



Light distribution files

CITIZEN

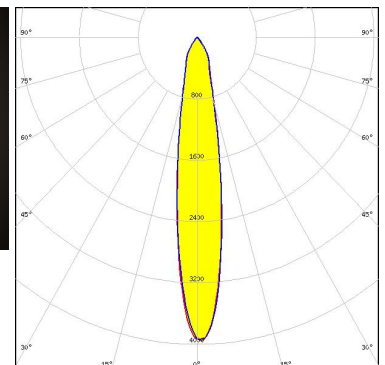
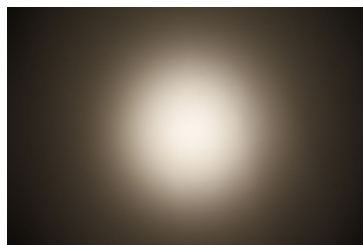
LED CLU700/701/702/703
 FWHM / FWTM 19.0° / 47.0°
 Efficiency 84 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1



Light distribution files

CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 17.0° / 47.0°
 Efficiency 82 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL

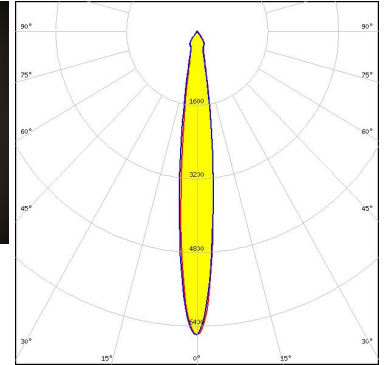


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

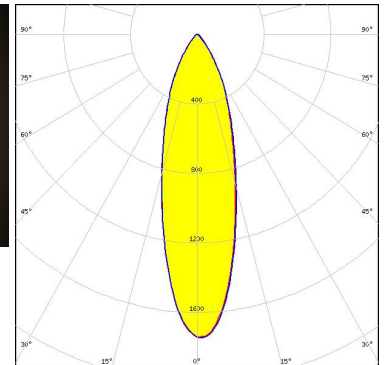
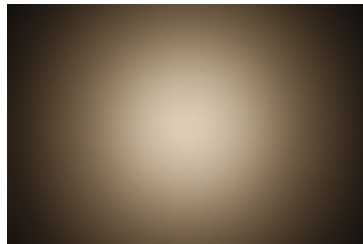
LED CLU700/701/702/703
 FWHM / FWTM 13.0° / 30.0°
 Efficiency 83 %
 Peak intensity 6.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



Light distribution files

CITIZEN

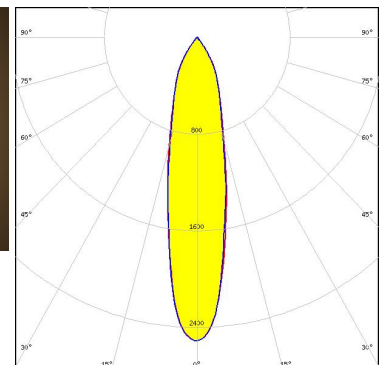
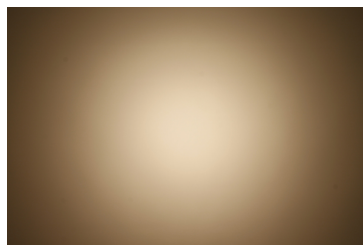
LED CLU720/721/723
 FWHM / FWTM 29.0° / 69.0°
 Efficiency 75 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 433 Typ L1



Light distribution files

CITIZEN

LED CLU720/721/723
 FWHM / FWTM 23.0° / 64.0°
 Efficiency 77 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 433 Typ L1

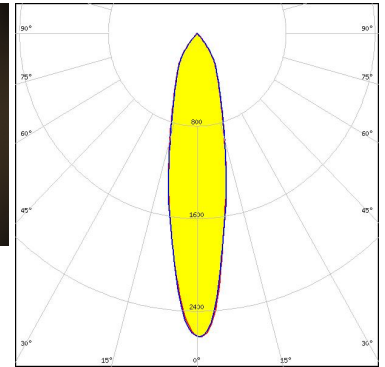
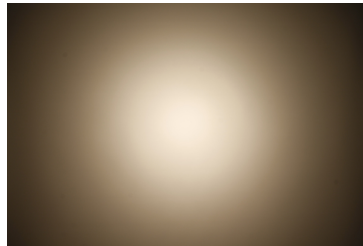


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

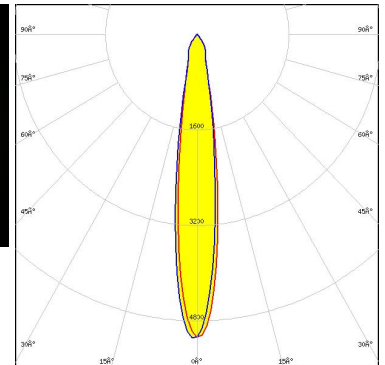
LED CLU720/721/723
 FWHM / FWTM 23.0° / 67.0°
 Efficiency 82 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 433 Typ L1



Light distribution files



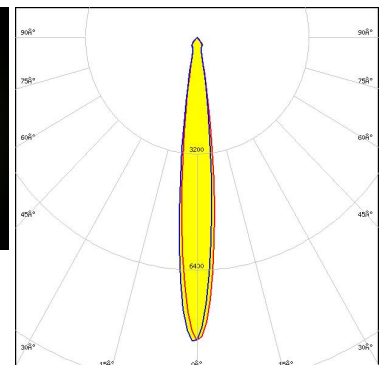
LED CXA/B 13xx
 FWHM / FWTM 15.0° / 36.0°
 Efficiency 81 %
 Peak intensity 5.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



Light distribution files



LED CXA/B 13xx
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 87 %
 Peak intensity 9.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15



Light distribution files

OPTICAL RESULTS (MEASURED):



LED CXA/B 13xx
FWHM / FWTM 12.0° / 25.0°
Efficiency 82 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13761_PF-SOCKET-CXA15
C13333_MIRELLA-CL



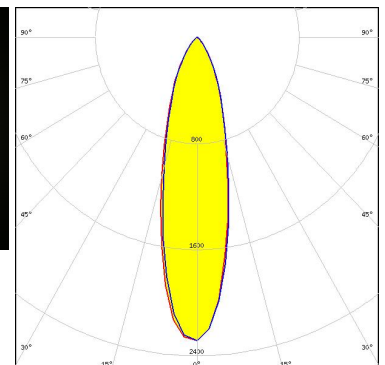
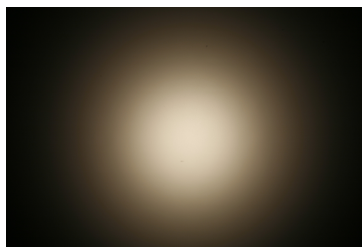
Light distribution files



LED CXA/B 15xx
FWHM / FWTM 27.0° / 65.0°
Efficiency 82 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13761_PF-SOCKET-CXA15
C13723_MIRELLA-RZL



Light distribution files



LED CXA/B 15xx
FWHM / FWTM 19.0° / 47.0°
Efficiency 84 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13761_PF-SOCKET-CXA15
C13333_MIRELLA-CL

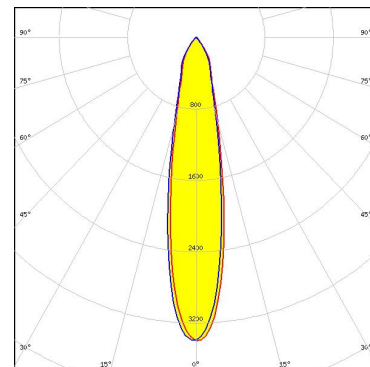


Light distribution files

OPTICAL RESULTS (MEASURED):



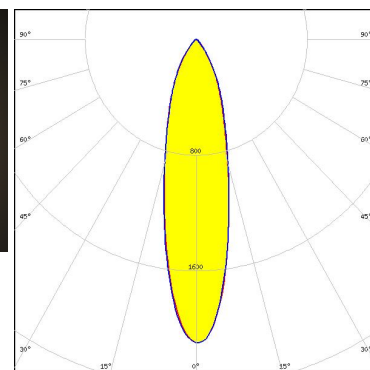
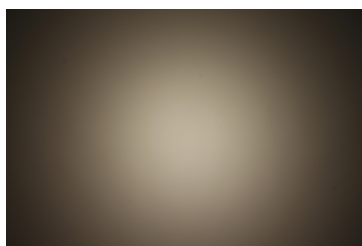
LED CXA/B 15xx
 FWHM / FWTM 21.0° / 56.0°
 Efficiency 87 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



Light distribution files



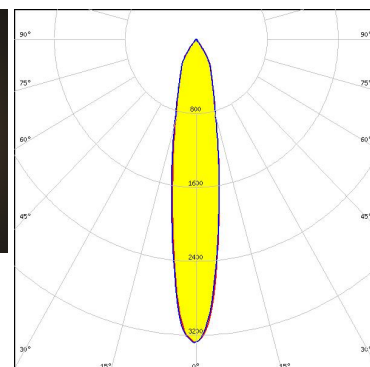
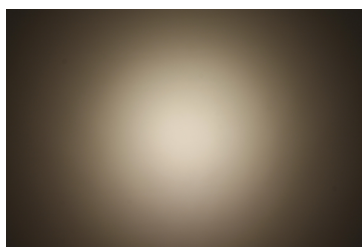
LED CXA/B 15xx
 FWHM / FWTM 26.0° / 66.0°
 Efficiency 77 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 441 Typ L1



Light distribution files



LED CXA/B 15xx
 FWHM / FWTM 19.0° / 59.0°
 Efficiency 79 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 441 Typ L1

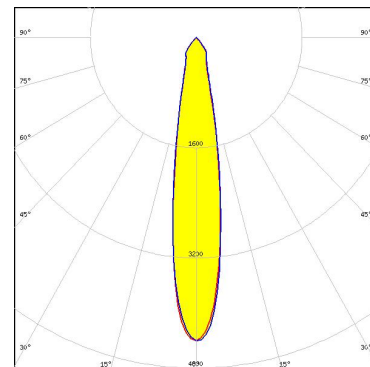


Light distribution files

OPTICAL RESULTS (MEASURED):



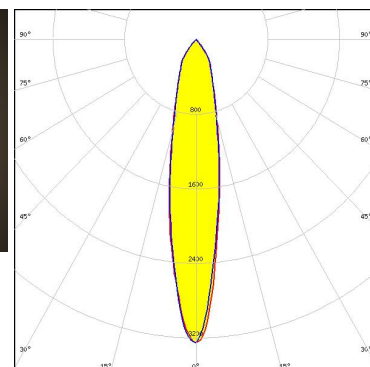
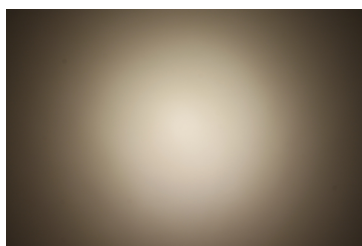
LED CXA/B 15xx
 FWHM / FWTM 18.0° / 43.0°
 Efficiency 91 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15



Light distribution files



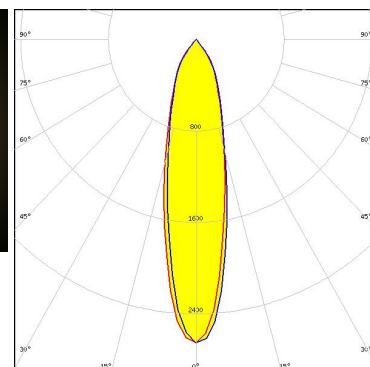
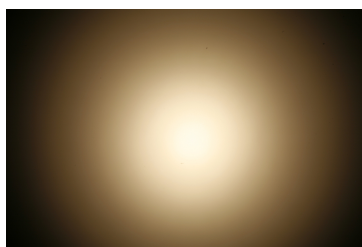
LED CXA/B 15xx
 FWHM / FWTM 20.0° / 60.0°
 Efficiency 84 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 441 Typ L1



Light distribution files



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 25.0° / 68.0°
 Efficiency 85 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14115_PF-SOCKET-CXA15-18

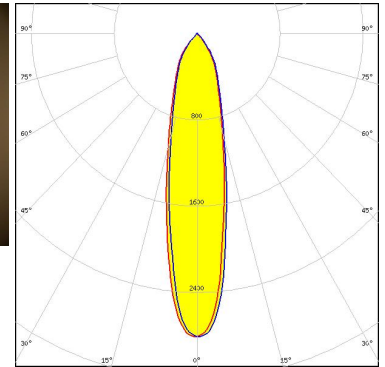
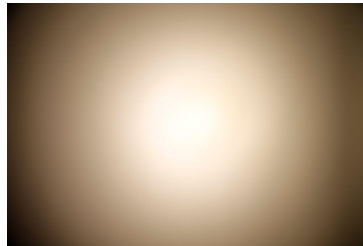


Light distribution files

OPTICAL RESULTS (MEASURED):



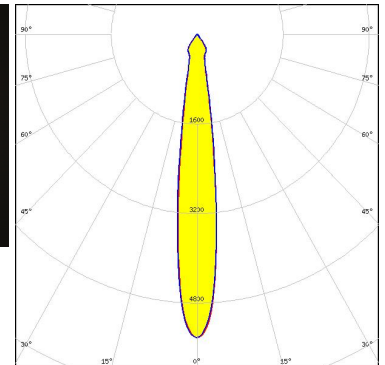
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 23.0° / 67.0°
 Efficiency 89 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2101CR + 50-2100MR



Light distribution files



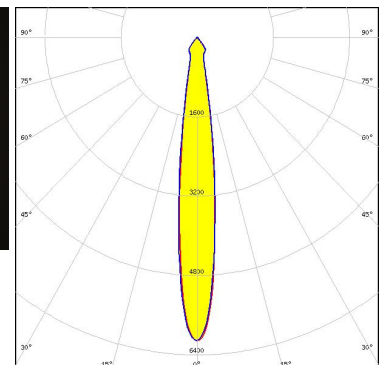
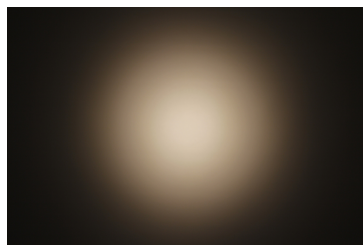
LED MHD-E/G
 FWHM / FWTM 15.0° / 32.0°
 Efficiency 87 %
 Peak intensity 5.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



Light distribution files



LED MHD-E/G
 FWHM / FWTM 14.0° / 31.0°
 Efficiency 93 %
 Peak intensity 6.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET

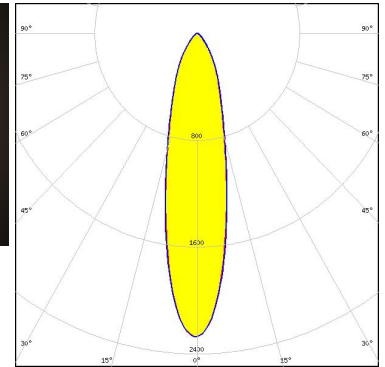
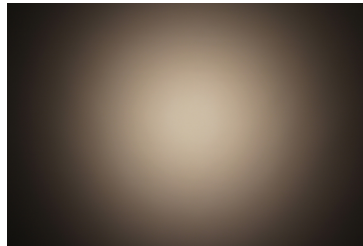


Light distribution files

OPTICAL RESULTS (MEASURED):



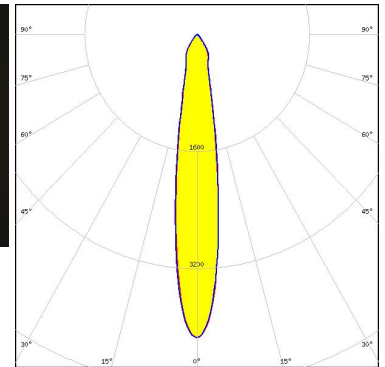
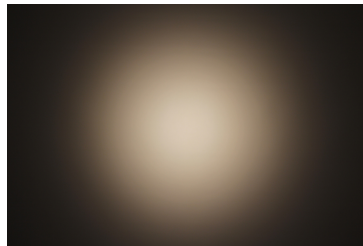
LED MHD-E/G
 FWHM / FWTM 24.0° / 65.0°
 Efficiency 84 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



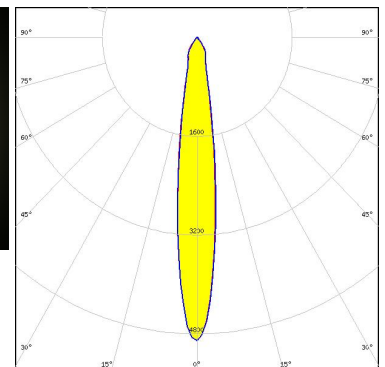
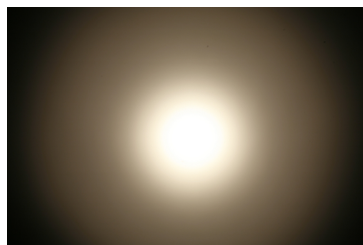
LED MHD-E/G
 FWHM / FWTM 17.0° / 44.0°
 Efficiency 87 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files



LED MK-R
 FWHM / FWTM 15.0° / 37.0°
 Efficiency 82 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL

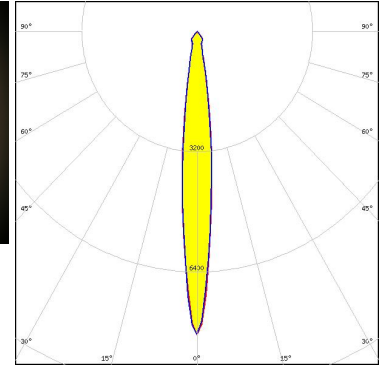


Light distribution files

OPTICAL RESULTS (MEASURED):



LED MK-R
 FWHM / FWTM 12.0° / 27.0°
 Efficiency 87 %
 Peak intensity 8.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET



Light distribution files



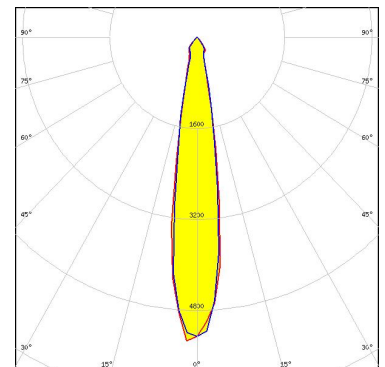
LED MT-G
 FWHM / FWTM 19.0° / 46.0°
 Efficiency 85 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files



LED MT-G
 FWHM / FWTM 17.0° / 34.0°
 Efficiency 90 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET



Light distribution files

OPTICAL RESULTS (MEASURED):



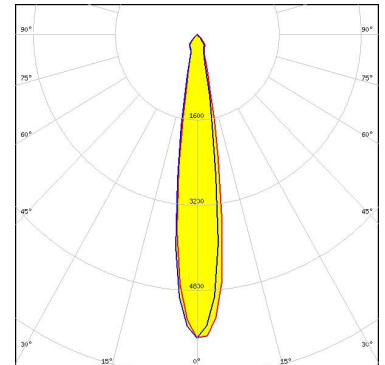
LED MT-G
 FWHM / FWTM 18.0° / 34.0°
 Efficiency 86 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



Light distribution files



LED MT-G2
 FWHM / FWTM 18.0° / 35.0°
 Efficiency 88 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET



Light distribution files



LED MT-G2
 FWHM / FWTM 16.0° / 33.0°
 Efficiency 84 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



Light distribution files

OPTICAL RESULTS (MEASURED):



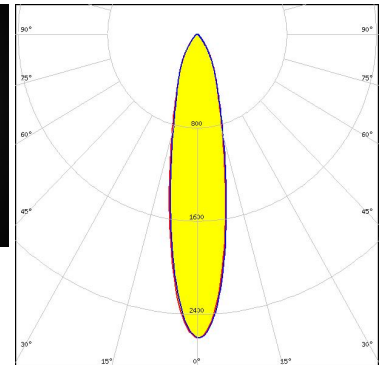
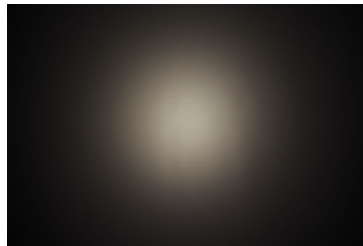
LED MT-G2
 FWHM / FWTM 18.0° / 43.0°
 Efficiency 85 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files



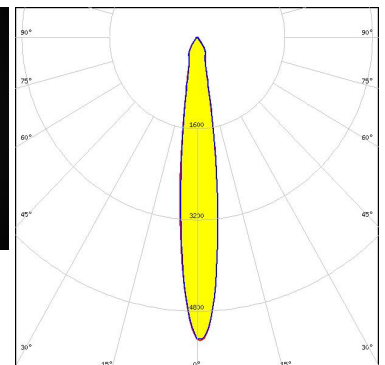
LED XHP50
 FWHM / FWTM 22.0° / 60.0°
 Efficiency 81 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



LED XHP50
 FWHM / FWTM 15.0° / 34.0°
 Efficiency 85 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL

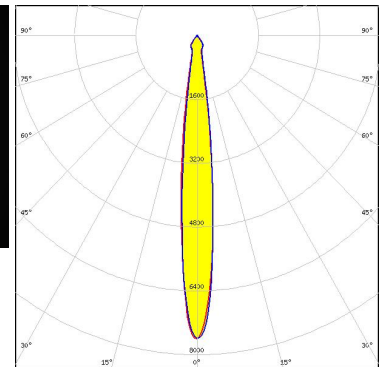


Light distribution files

OPTICAL RESULTS (MEASURED):



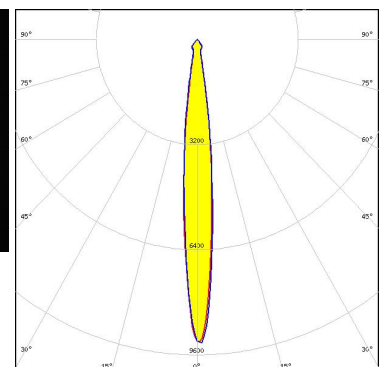
LED XHP50
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 84 %
 Peak intensity 7.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



Light distribution files



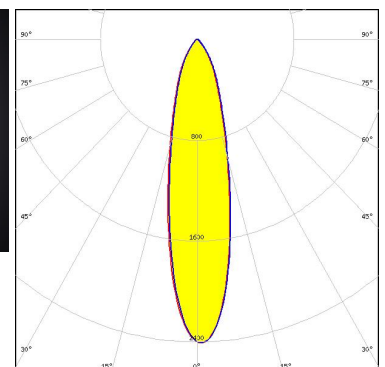
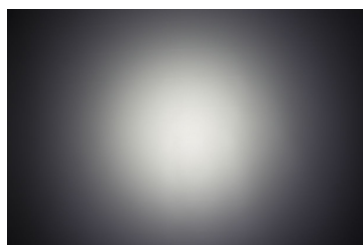
LED XHP50
 FWHM / FWTM 11.0° / 23.0°
 Efficiency 89 %
 Peak intensity 9.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET



Light distribution files



LED XHP70
 FWHM / FWTM 24.0° / 62.0°
 Efficiency 81 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL

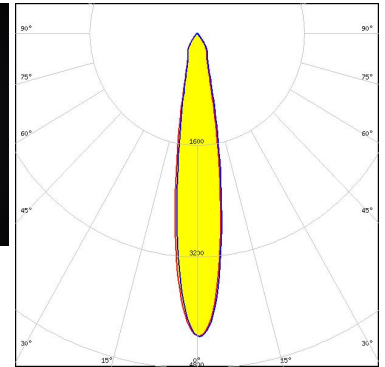


Light distribution files

OPTICAL RESULTS (MEASURED):



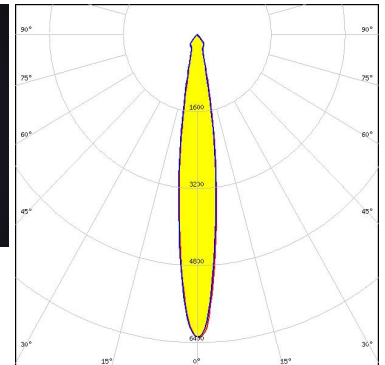
LED XHP70
 FWHM / FWTM 17.0° / 40.0°
 Efficiency 84 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files



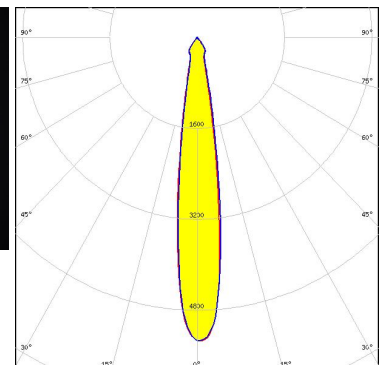
LED XHP70
 FWHM / FWTM 15.0° / 31.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET



Light distribution files



LED XHP70
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 83 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL

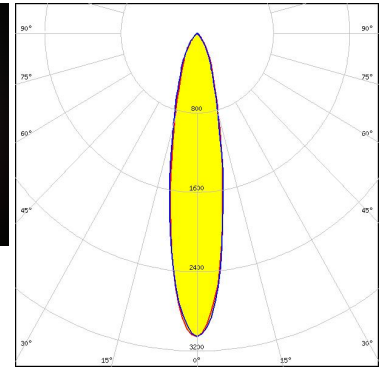
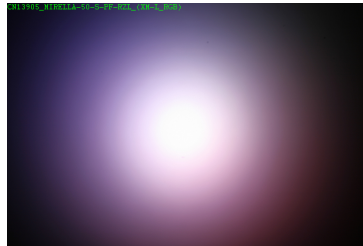


Light distribution files

OPTICAL RESULTS (MEASURED):



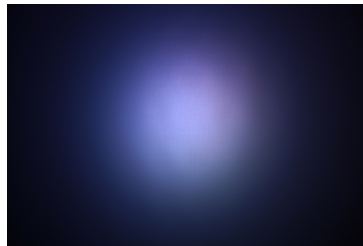
LED XM-L RGBW (XMLCTW)
 FWHM / FWTM 22.0° / 55.0°
 Efficiency 80 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



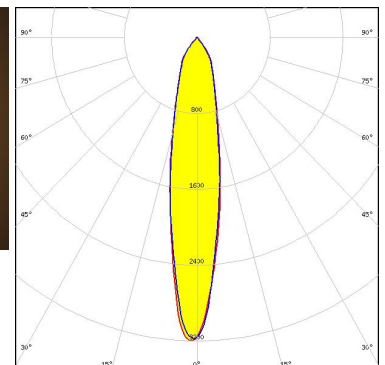
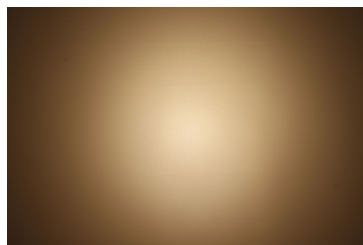
LED XQ-E HI
 FWHM / FWTM 21.0° / 58.0°
 Efficiency 86 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



LED LUXEON CoB 1202/1203
 FWHM / FWTM 20.0° / 61.0°
 Efficiency 84 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1

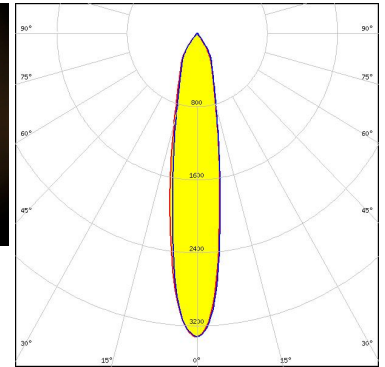
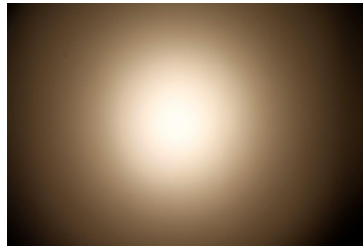


Light distribution files

OPTICAL RESULTS (MEASURED):



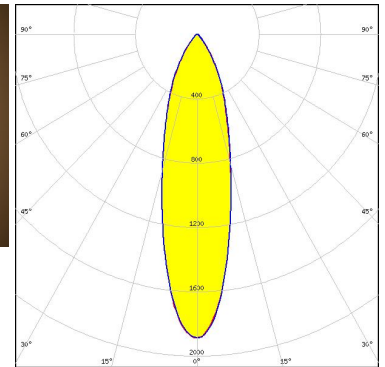
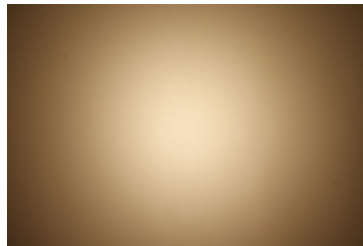
LED LUXEON CoB 1202/1203
 FWHM / FWTM 19.0° / 59.0°
 Efficiency 82 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



Light distribution files



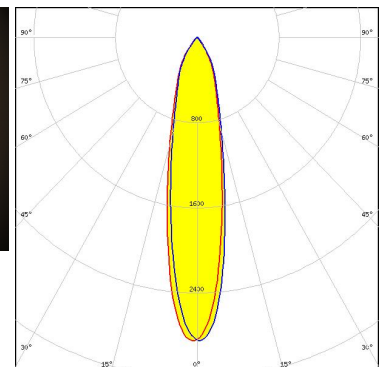
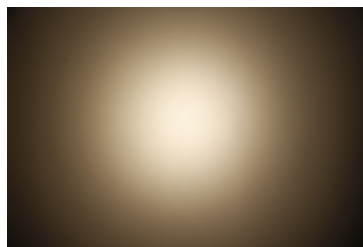
LED LUXEON CoB 1202/1203
 FWHM / FWTM 27.0° / 67.0°
 Efficiency 76 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



Light distribution files



LED LUXEON CoB 1202/1203
 FWHM / FWTM 22.0° / 61.0°
 Efficiency 83 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR

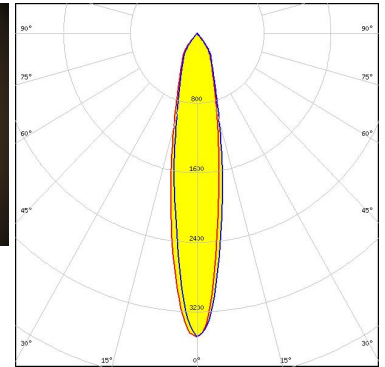
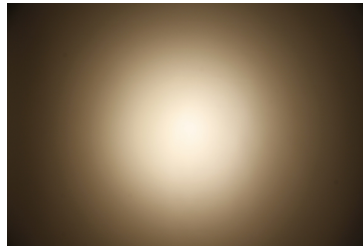


Light distribution files

OPTICAL RESULTS (MEASURED):



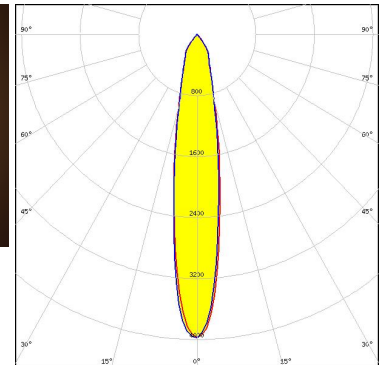
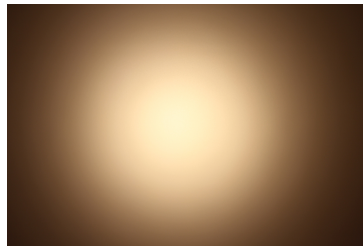
LED LUXEON CoB 1202/1203
 FWHM / FWTM 19.0° / 58.0°
 Efficiency 88 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2100NC +50-2100MR



Light distribution files



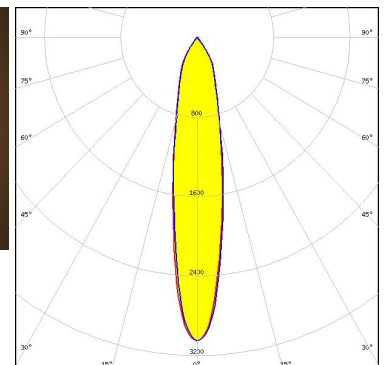
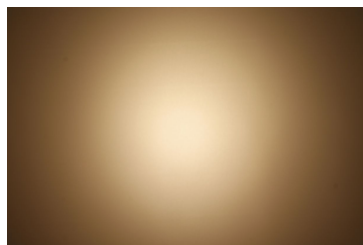
LED LUXEON CoB 1202/1203
 FWHM / FWTM 19.0° / 50.0°
 Efficiency 87 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14037_PF-NSX-SOCKET



Light distribution files



LED LUXEON CoB 1202/1203
 FWHM / FWTM 20.0° / 61.0°
 Efficiency 78 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 438 Typ L1



Light distribution files

OPTICAL RESULTS (MEASURED):



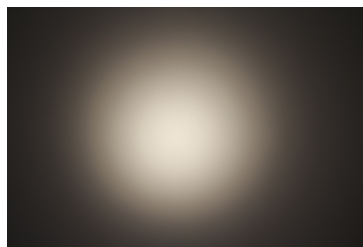
LED LUXEON CoB 1202s
 FWHM / FWTM 13.0° / 28.0°
 Efficiency 84 %
 Peak intensity 7.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



Light distribution files



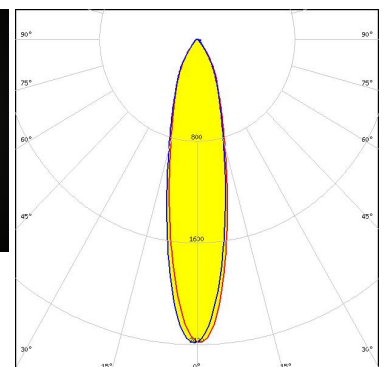
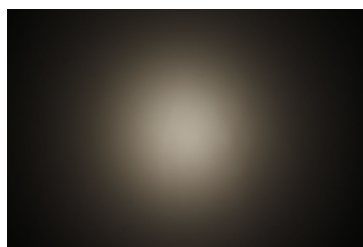
LED LUXEON CoB 1202s
 FWHM / FWTM 15.0° / 36.0°
 Efficiency 84 %
 Peak intensity 5.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



Light distribution files



LED LUXEON CoB 1202s
 FWHM / FWTM 23.0° / 63.0°
 Efficiency 79 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 452 Typ L1



Light distribution files

OPTICAL RESULTS (MEASURED):



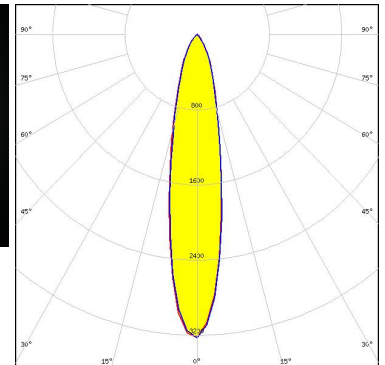
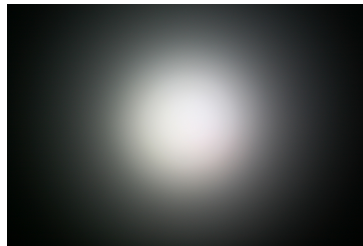
LED LUXEON CoB 1202s
 FWHM / FWTM 13.0° / 30.0°
 Efficiency 89 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15



Light distribution files



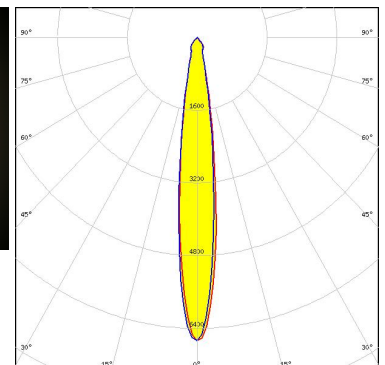
LED LUXEON Z
 FWHM / FWTM 21.0° / 54.0°
 Efficiency 78 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



LED CxM-6 (12x13)
 FWHM / FWTM 14.0° / 32.0°
 Efficiency 86 %
 Peak intensity 6.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET

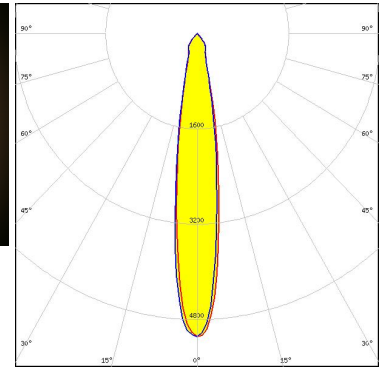


Light distribution files

OPTICAL RESULTS (MEASURED):



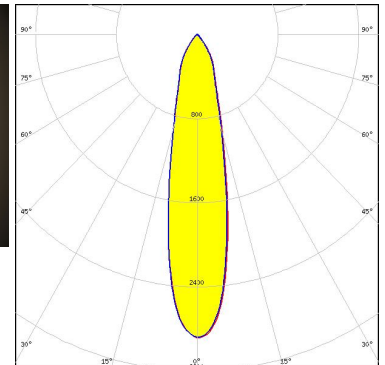
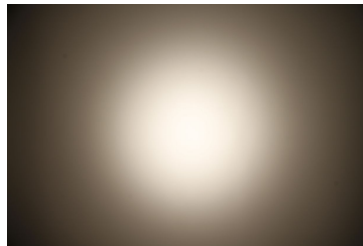
LED CXM-7 (13x13)
 FWHM / FWTM 17.0° / 38.0°
 Efficiency 87 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET



Light distribution files



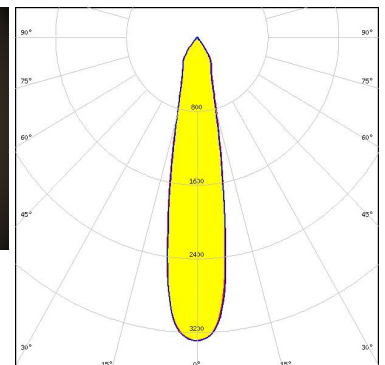
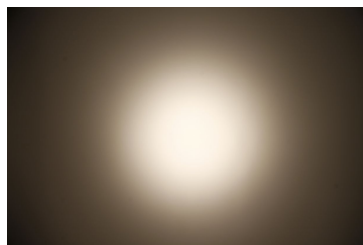
LED CxM-9 (13.5x13.5)
 FWHM / FWTM 23.0° / 61.0°
 Efficiency 86 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files



LED CxM-9 (13.5x13.5)
 FWHM / FWTM 21.0° / 58.0°
 Efficiency 85 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL

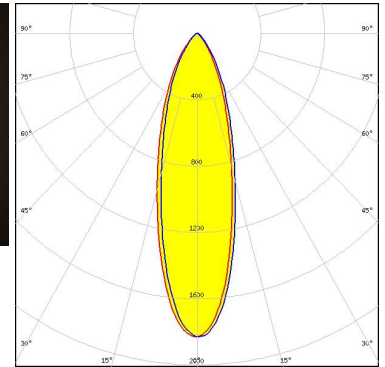
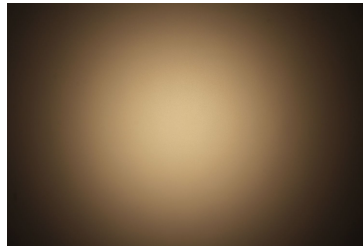


Light distribution files

OPTICAL RESULTS (MEASURED):



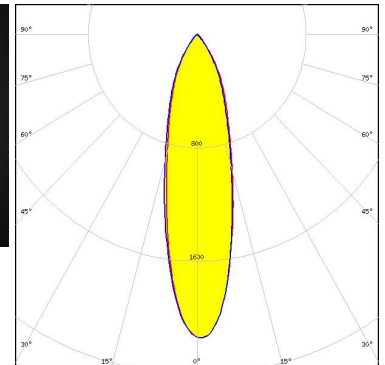
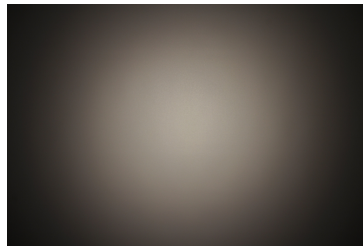
LED CxM-9 (13.5x13.5)
 FWHM / FWTM 30.0° / 70.0°
 Efficiency 81 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



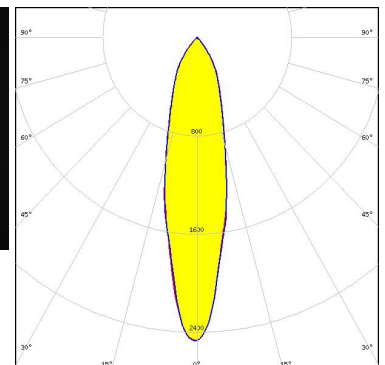
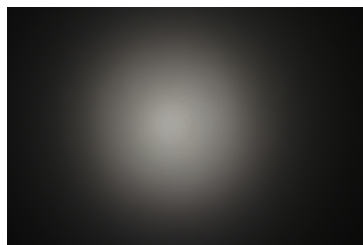
LED COB L-Type (LES 11)
 FWHM / FWTM 26.0° / 67.0°
 Efficiency 80 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



Light distribution files



LED COB L-Type (LES 11)
 FWHM / FWTM 25.0° / 68.0°
 Efficiency 83 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2100NC +50-2100MR

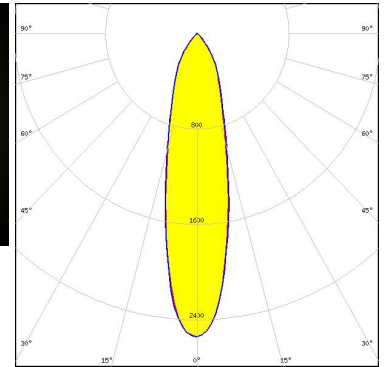


Light distribution files

OPTICAL RESULTS (MEASURED):



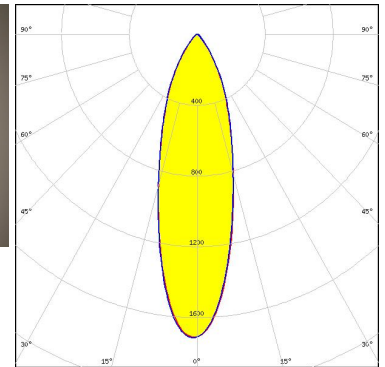
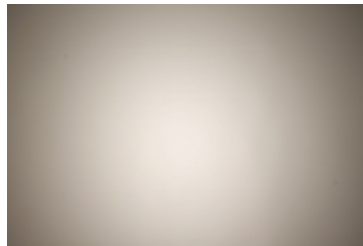
LED COB L-Type (LES 11)
 FWHM / FWTM 25.0° / 68.0°
 Efficiency 86 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14037_PF-NSX-SOCKET



Light distribution files



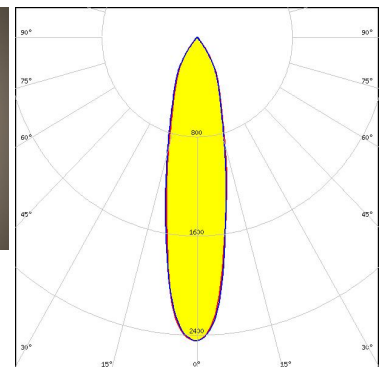
LED COB L-Type (LES 11)
 FWHM / FWTM 30.0° / 70.0°
 Efficiency 76 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



Light distribution files



LED COB L-Type (LES 11)
 FWHM / FWTM 24.0° / 65.0°
 Efficiency 78 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 438 Typ L1

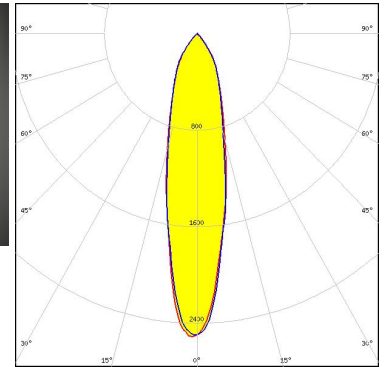
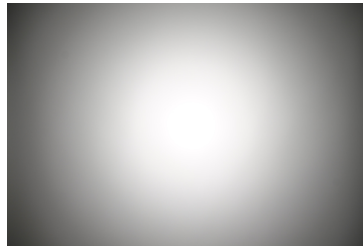


Light distribution files

OPTICAL RESULTS (MEASURED):



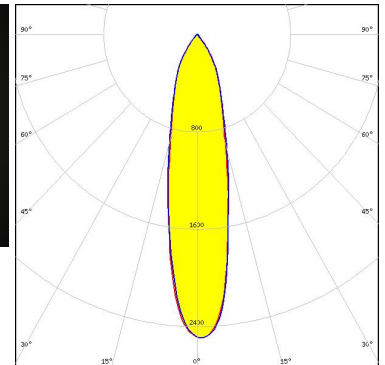
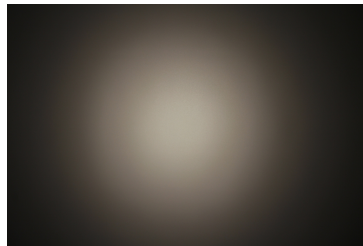
LED COB L-Type (LES 11)
 FWHM / FWTM 24.0° / 68.0°
 Efficiency 81 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



Light distribution files



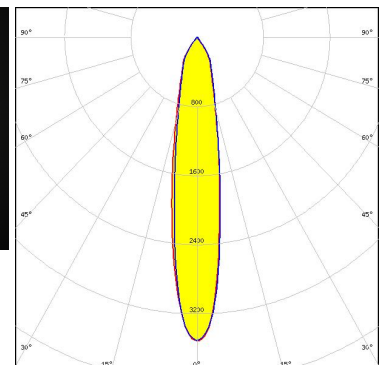
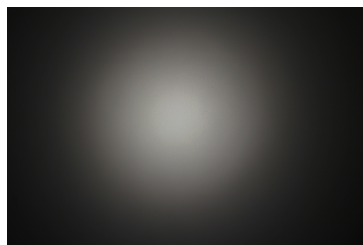
LED COB L-Type (LES 11)
 FWHM / FWTM 24.0° / 65.0°
 Efficiency 81 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



Light distribution files



LED COB L-Type (LES 9)
 FWHM / FWTM 18.0° / 56.0°
 Efficiency 83 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



Light distribution files

OPTICAL RESULTS (MEASURED):



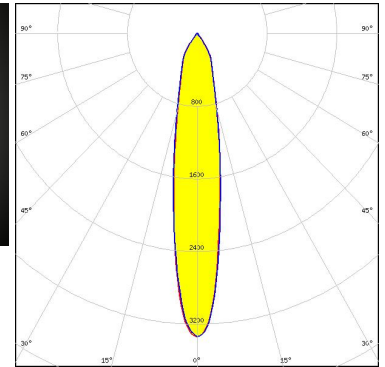
LED COB L-Type (LES 9)
 FWHM / FWTM 18.0° / 58.0°
 Efficiency 80 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL

Bender Wirth: 438 Typ L1



Light distribution files

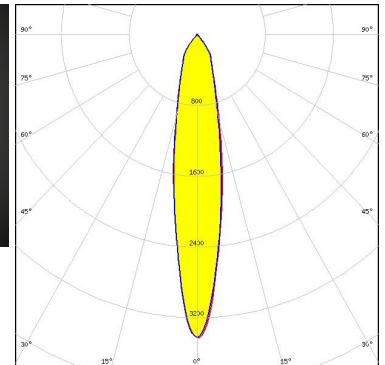
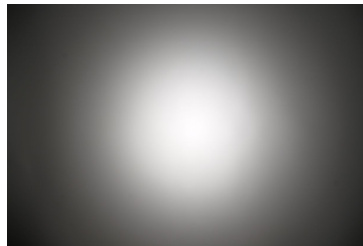


LED COB L-Type (LES 9)
 FWHM / FWTM 19.0° / 57.0°
 Efficiency 85 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 438 Typ L1



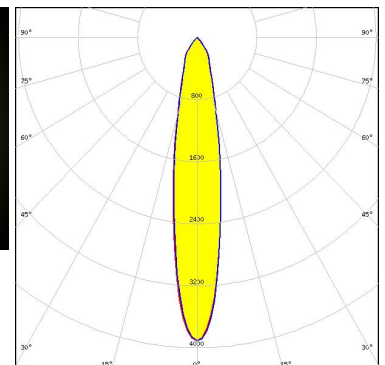
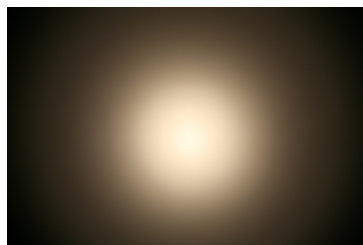
Light distribution files



LED COB L-Type (LES 9)
 FWHM / FWTM 19.0° / 52.0°
 Efficiency 88 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C14037_PF-NSX-SOCKET

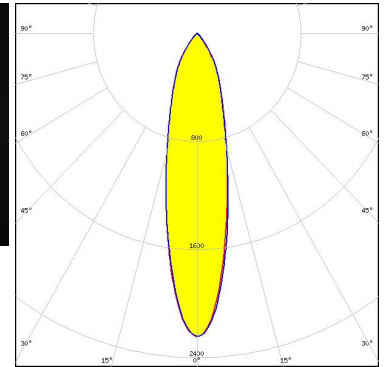
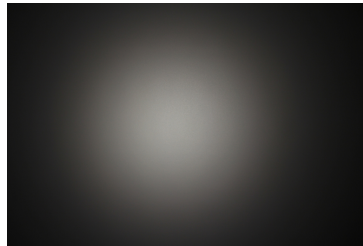


Light distribution files

OPTICAL RESULTS (MEASURED):



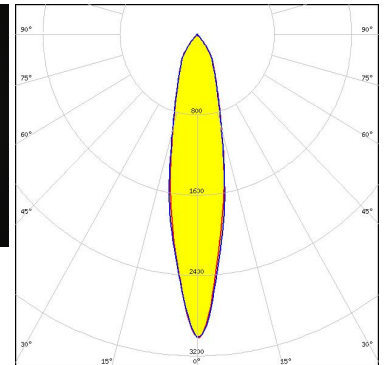
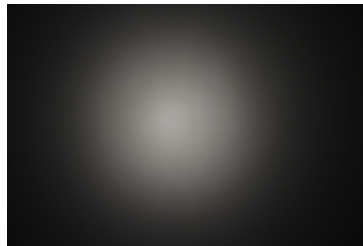
LED COB L-Type (LES 9)
 FWHM / FWTM 24.0° / 66.0°
 Efficiency 78 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



Light distribution files



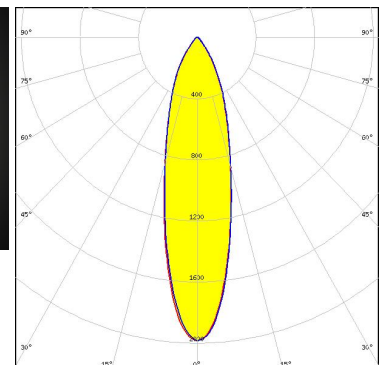
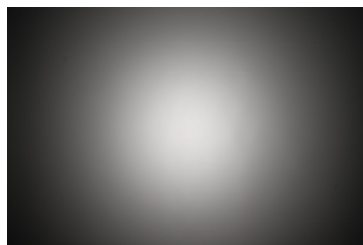
LED COB L-Type (LES 9)
 FWHM / FWTM 22.0° / 64.0°
 Efficiency 84 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2100NC +50-2100MR



Light distribution files



LED COB L-Type (LES 9)
 FWHM / FWTM 27.0° / 67.0°
 Efficiency 77 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



Light distribution files

OPTICAL RESULTS (MEASURED):

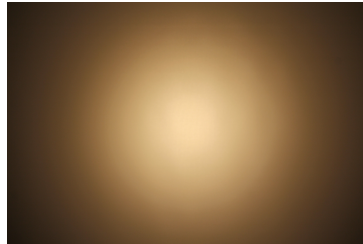


LED NSCXL036A
 FWHM / FWTM 16.0° / 38.0°
 Efficiency 86 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14037_PF-NSX-SOCKET

Light distribution files



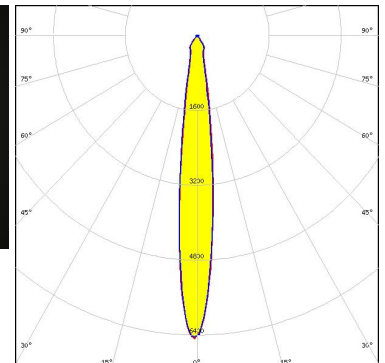
LED Duris S10
 FWHM / FWTM 18.0° / 54.0°
 Efficiency 80 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files



LED Duris S10
 FWHM / FWTM 13.0° / 30.0°
 Efficiency 81 %
 Peak intensity 6.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL

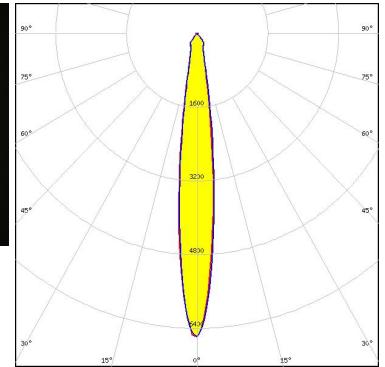


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

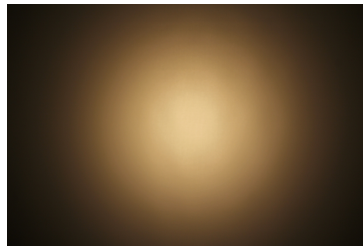
LED Duris S10
FWHM / FWTM 13.0° / 31.0°
Efficiency 87 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET



Light distribution files

OSRAM
Opto Semiconductors

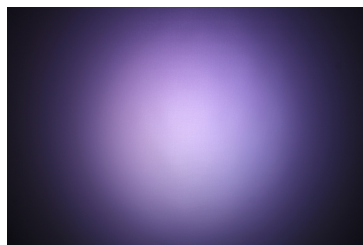
LED Duris S10
FWHM / FWTM 22.0° / 61.0°
Efficiency 82 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



Light distribution files

OSRAM
Opto Semiconductors

LED OSTAR Stage (S2WP)
FWHM / FWTM 21.0° / 58.0°
Efficiency 83 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL

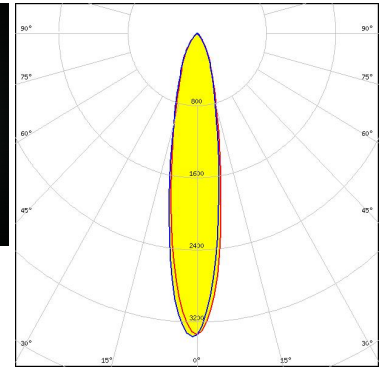
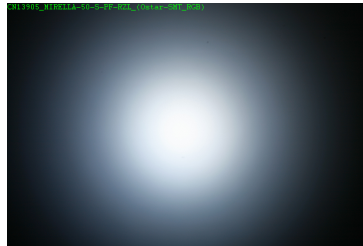


Light distribution files

OPTICAL RESULTS (MEASURED):



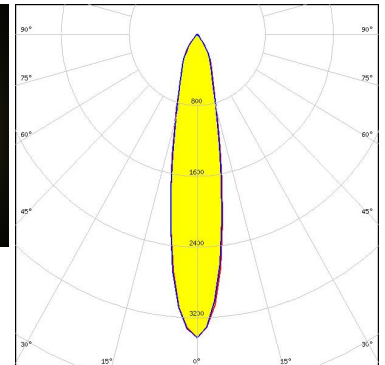
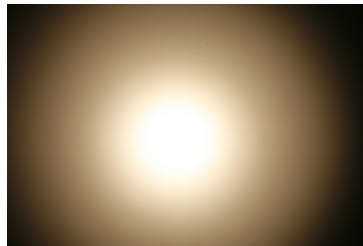
LED Ostar-SMT RGB
 FWHM / FWTM 20.0° / 55.0°
 Efficiency 82 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



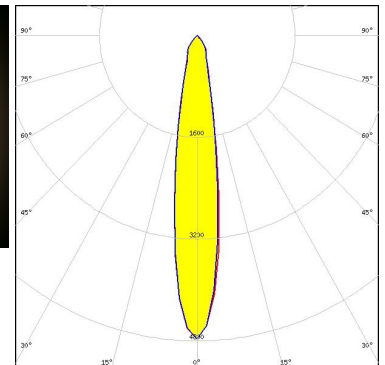
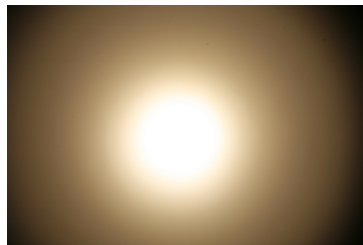
LED ZC4/6
 FWHM / FWTM 21.0° / 56.0°
 Efficiency 83 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files



LED ZC4/6
 FWHM / FWTM 18.0° / 42.0°
 Efficiency 88 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET

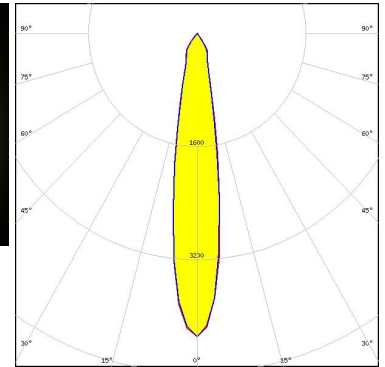


Light distribution files

OPTICAL RESULTS (MEASURED):



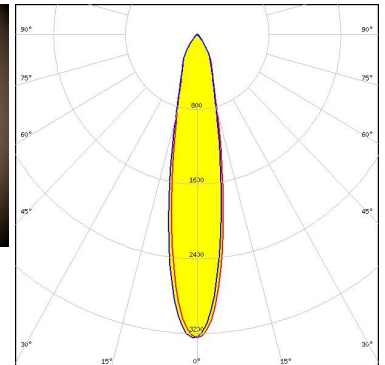
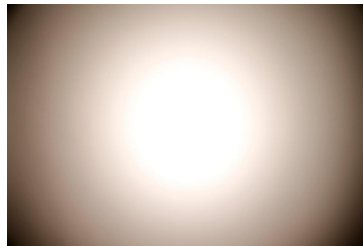
LED ZC4/6
FWHM / FWTM 19.0° / 44.0°
Efficiency 83 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



Light distribution files

SHARP

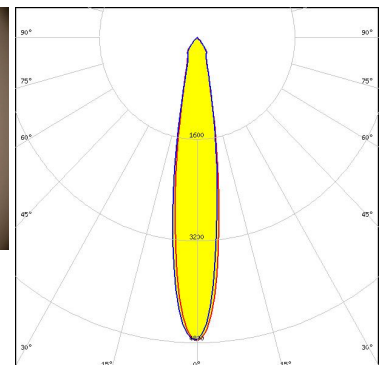
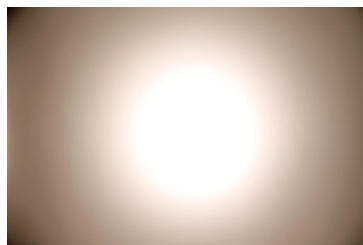
LED Mini Zenigata (GW6BM)
FWHM / FWTM 20.0° / 56.0°
Efficiency 84 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



Light distribution files

SHARP

LED Mini Zenigata (GW6BM)
FWHM / FWTM 17.0° / 41.0°
Efficiency 91 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET

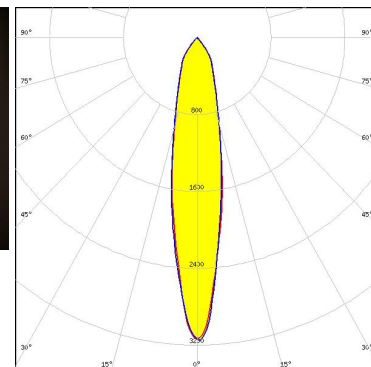
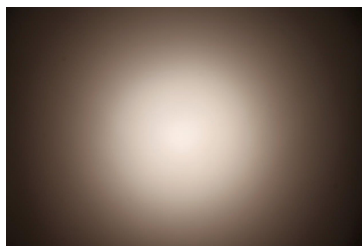


Light distribution files

OPTICAL RESULTS (MEASURED):

XICATO

LED	XTM - 9mm LES
FWHM / FWTM	20.0° / 61.0°
Efficiency	82 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	C14636_XTM-PF-ADAPTER

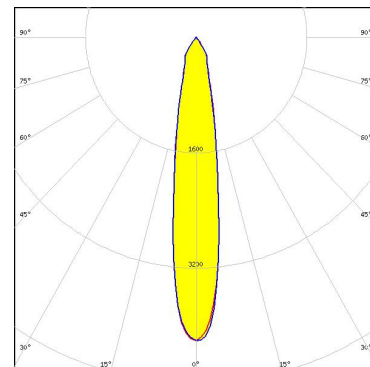


Light distribution files

OPTICAL RESULTS (SIMULATED):



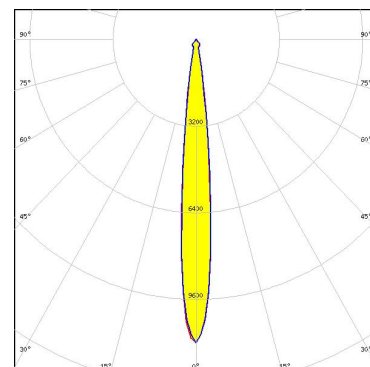
LED CXA/B 15xx
 FWHM / FWTM 18.0° / 46.0°
 Efficiency 85 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14115_PF-SOCKET-CXA15-18
 C13333_MIRELLA-CL



Light distribution files



LED XHP50.2
 FWHM / FWTM 11.0° / 22.0°
 Efficiency 90 %
 Peak intensity 11.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON CoB Compact
 FWHM / FWTM 13.0° / 30.0°
 Efficiency 89 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15

Light distribution files

OPTICAL RESULTS (SIMULATED):



LED	LUXEON CoB Compact
FWHM / FWTM	15.0° / 36.0°
Efficiency	84 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C13761_PF-SOCKET-CXA15
C12479_MIRELLA-DL

[Light distribution files](#)



LED	LUXEON CoB Compact
FWHM / FWTM	23.0° / 63.0°
Efficiency	79 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL

[Light distribution files](#)

Bender Wirth: 452 Typ L1



LED	LUXEON CoB Compact
FWHM / FWTM	13.0° / 28.0°
Efficiency	84 %
Peak intensity	7.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

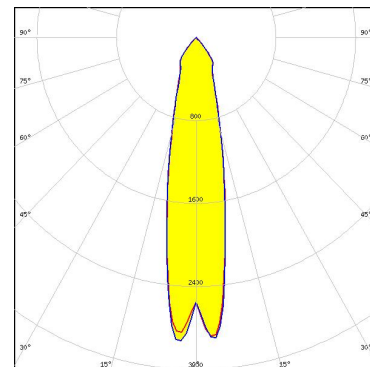
C13761_PF-SOCKET-CXA15
C13333_MIRELLA-CL

[Light distribution files](#)

OPTICAL RESULTS (SIMULATED):



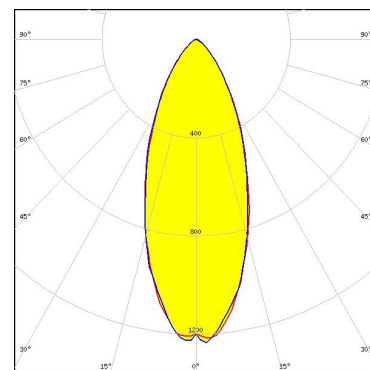
LED LUXEON K4
 FWHM / FWTM 24.0° / 72.0°
 Efficiency 88 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15



Light distribution files



LED LUXEON K4
 FWHM / FWTM 42.0° / 87.0°
 Efficiency 84 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



Light distribution files



LED CxM-14 (19x19)
 FWHM / FWTM 33.0° / 72.0°
 Efficiency 69 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL

Light distribution files

Bender Wirth: 433 Typ L1

OPTICAL RESULTS (SIMULATED):



LED CxM-14 (19x19)
FWHM / FWTM 31.0° / 70.0°
Efficiency 72 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL

[Light distribution files](#)

Bender Wirth: 433 Typ L1



LED CxM-14 (19x19)
FWHM / FWTM 29.0° / 72.0°
Efficiency 76 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

[Light distribution files](#)



LED CxM-9 (13.5x13.5)
FWHM / FWTM 20.0° / 61.0°
Efficiency 80 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL

[Light distribution files](#)

Bender Wirth: 434 Typ L1

OPTICAL RESULTS (SIMULATED):



LED CxM-9 (13.5x13.5)
FWHM / FWTM 21.0° / 63.0°
Efficiency 84 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1

[Light distribution files](#)



LED CxM-9 (13.5x13.5)
FWHM / FWTM 27.0° / 67.0°
Efficiency 77 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL

Bender Wirth: 434 Typ L1

[Light distribution files](#)



LED COB S-Type (LES 7)
FWHM / FWTM 23.0° / 63.0°
Efficiency 79 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL

Bender Wirth: 452 Typ L1

[Light distribution files](#)

OPTICAL RESULTS (SIMULATED):



LED COB S-Type (LES 7)
 FWHM / FWTM 19.0° / 49.0°
 Efficiency 87 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 452 Typ L1

Light distribution files



LED COB S-Type (LES 7)
 FWHM / FWTM 15.0° / 41.0°
 Efficiency 83 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL

Bender Wirth: 452 Typ L1

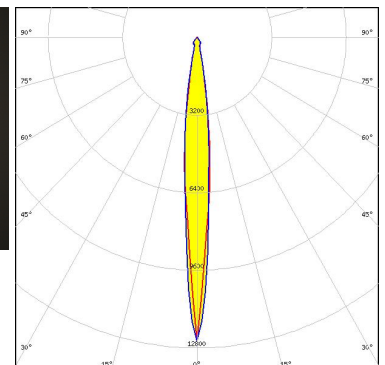
Light distribution files



LED Duris S8
 FWHM / FWTM 9.5° / 24.0°
 Efficiency 94 %
 Peak intensity 12.5 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13083_PF-SOCKET



Light distribution files

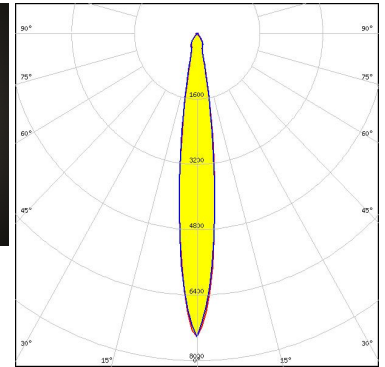
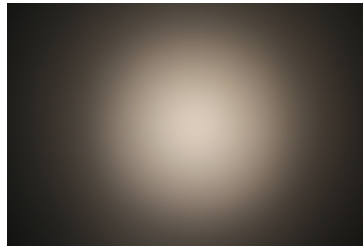
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED Duris S8
FWHM / FWTM 14.0° / 29.0°
Efficiency 90 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET
C12479_MIRELLA-DL



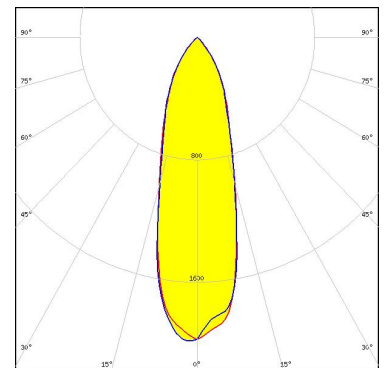
Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S15
FWHM / FWTM 28.0° / 74.0°
Efficiency 85 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18



Bender Wirth: 433 Typ L1

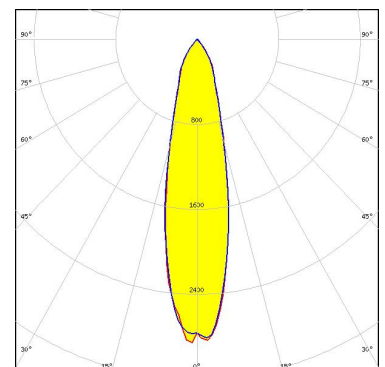
Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM / FWTM 24.0° / 61.0°
Efficiency 87 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET
C13333_MIRELLA-CL



Light distribution files

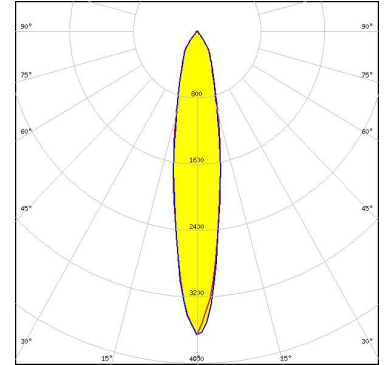
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM / FWTM 19.0° / 56.0°
Efficiency 87 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:
C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1

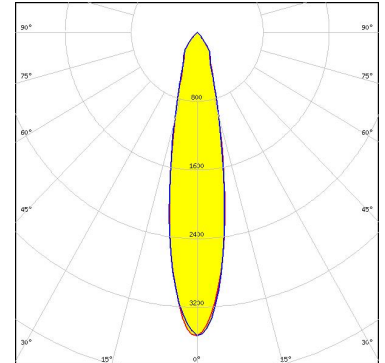


Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM / FWTM 21.0° / 54.0°
Efficiency 91 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:
C13083_PF-SOCKET

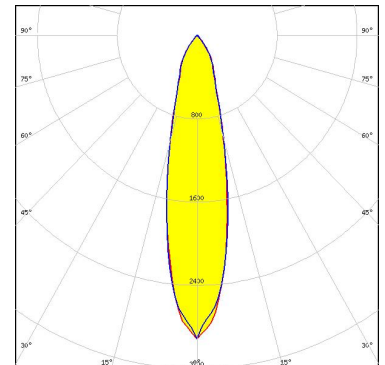


Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM / FWTM 24.0° / 61.0°
Efficiency 86 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



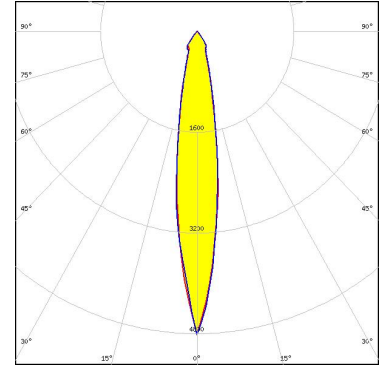
Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC010C
FWHM / FWTM 16.0° / 41.0°
Efficiency 87 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:
C13709_PF-SOCKET-VERO13-18



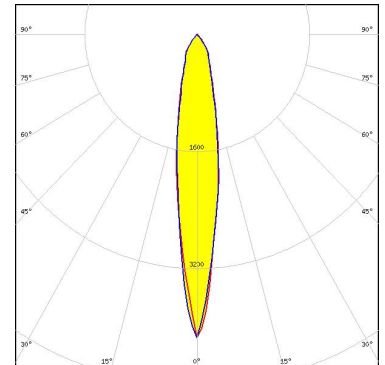
Bender Wirth: 479 Typ L1

Light distribution files

SAMSUNG

LED LC020C
FWHM / FWTM 16.0° / 49.0°
Efficiency 86 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:
C13709_PF-SOCKET-VERO13-18



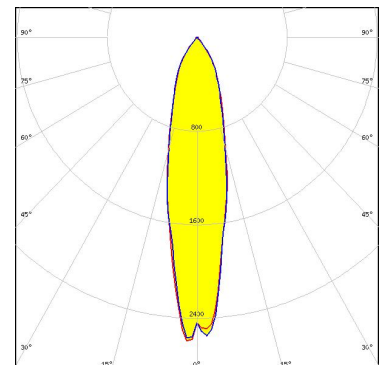
Bender Wirth: 479 Typ L1

Light distribution files

SAMSUNG

LED LC040C
FWHM / FWTM 23.0° / 66.0°
Efficiency 84 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:
C13709_PF-SOCKET-VERO13-18



Bender Wirth: 480 Typ L1

Light distribution files

OPTICAL RESULTS (SIMULATED):



LED ZC4/6
FWHM / FWTM 21.0° / 63.0°
Efficiency 84 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:
C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1



LED ZC4/6
FWHM / FWTM 27.0° / 67.0°
Efficiency 77 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL

Bender Wirth: 434 Typ L1



LED ZC4/6
FWHM / FWTM 20.0° / 61.0°
Efficiency 80 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL

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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