

MIRELLA-50-M-PF

~30° medium beam

SPECIFICATION:

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

MATERIALS:

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



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13086_MIRELLA-50-M-PF » Box size: 480 x 280 x 300 mm	336	112	28	2.8

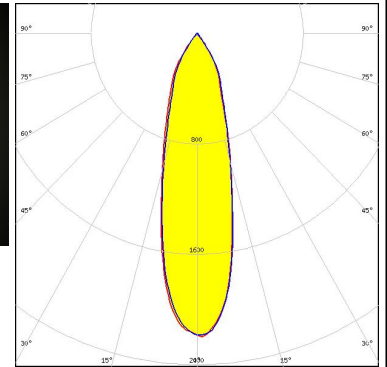
OPTICAL RESULTS (MEASURED):

bridgelux

LED V10 Gen7
 FWHM / FWTM 28.0° / 67.0°
 Efficiency 78 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL



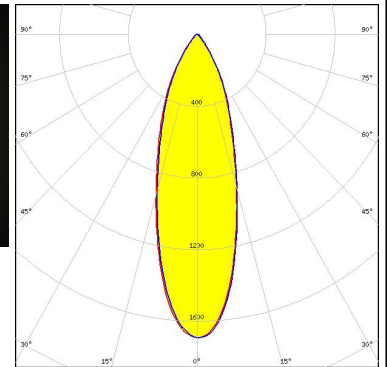
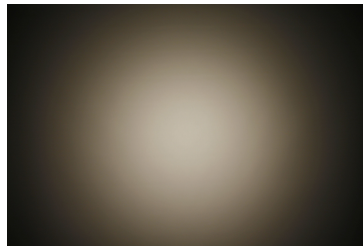
Light distribution files

bridgelux

LED V10 Gen7
 FWHM / FWTM 32.0° / 69.0°
 Efficiency 77 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL



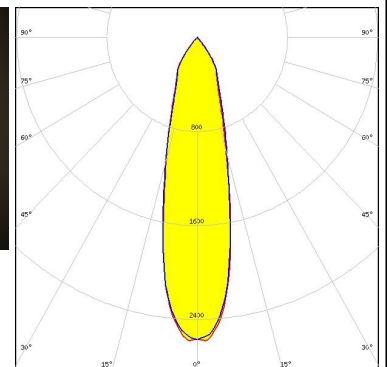
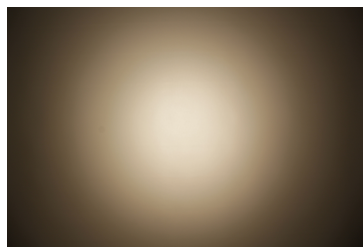
Light distribution files

bridgelux

LED V10 Gen7
 FWHM / FWTM 26.0° / 69.0°
 Efficiency 88 %
 Peak intensity 2.6 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

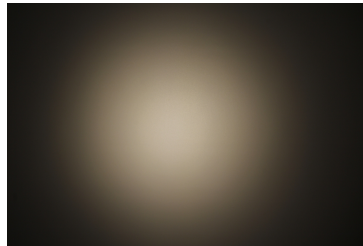
OPTICAL RESULTS (MEASURED):



LED V6 Gen6
 FWHM / FWTM 21.0° / 62.0°
 Efficiency 75 %
 Peak intensity 3.2 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



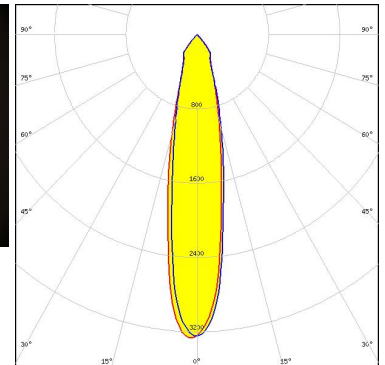
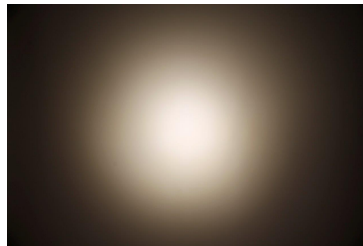
Light distribution files



LED V6 Gen6
 FWHM / FWTM 21.0° / 55.0°
 Efficiency 88 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13761_PF-SOCKET-CXA15



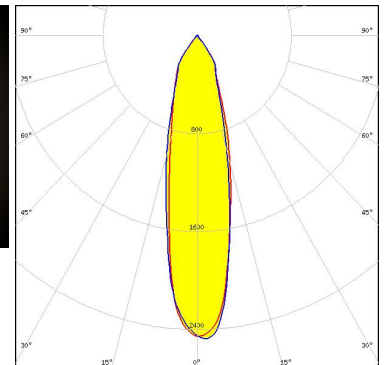
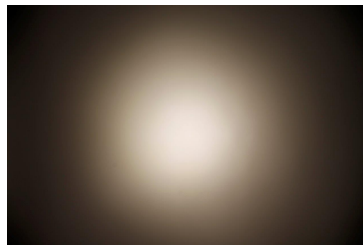
Light distribution files



LED V6 Gen6
 FWHM / FWTM 25.0° / 69.0°
 Efficiency 82 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL

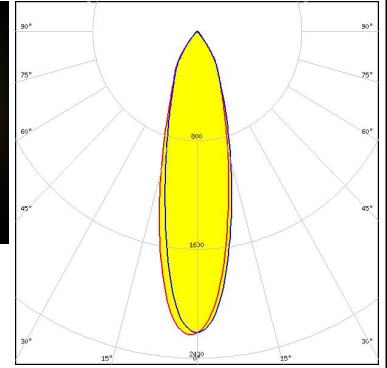
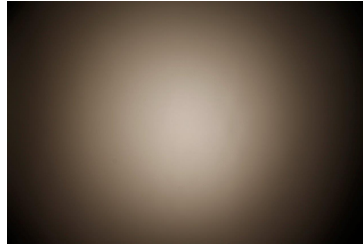


Light distribution files

OPTICAL RESULTS (MEASURED):



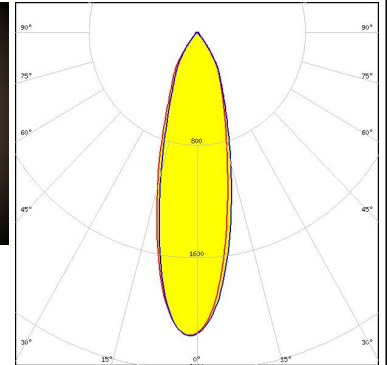
LED V6 Gen6
FWHM / FWTM 27.0° / 68.0°
Efficiency 82 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13761_PF-SOCKET-CXA15
C12479_MIRELLA-DL



Light distribution files



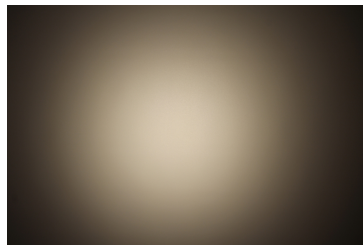
LED V8 Gen6
FWHM / FWTM 28.0° / 68.0°
Efficiency 83 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13761_PF-SOCKET-CXA15
C12479_MIRELLA-DL



Light distribution files



LED V8 Gen6
FWHM / FWTM 26.0° / 66.0°
Efficiency 71 %
Peak intensity 2.6 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

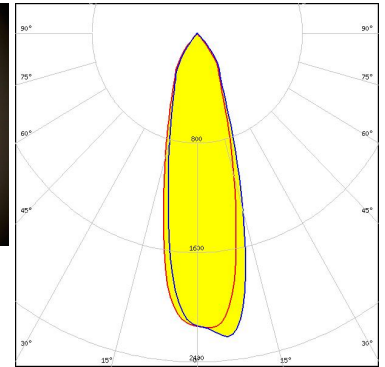
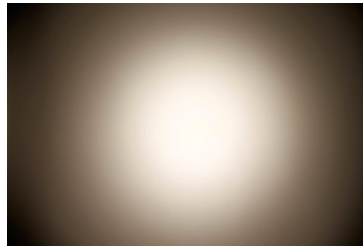


Light distribution files

OPTICAL RESULTS (MEASURED):



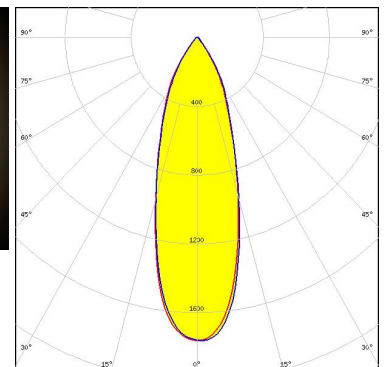
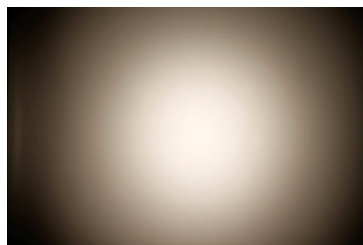
LED VERO10
FWHM / FWTM 28.0° / 71.0°
Efficiency 85 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13708_PF-SOCKET-VERO10



Light distribution files



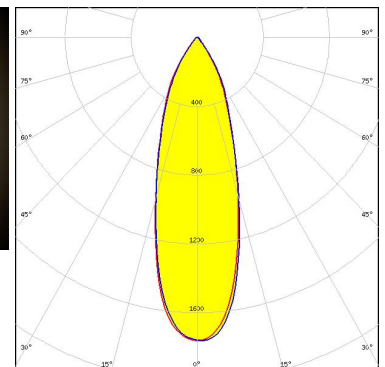
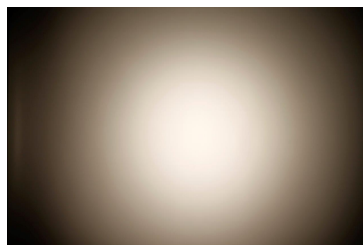
LED VERO10
FWHM / FWTM 32.0° / 70.0°
Efficiency 80 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13708_PF-SOCKET-VERO10
C13333_MIRELLA-CL



Light distribution files



LED VERO10
FWHM / FWTM 32.0° / 70.0°
Efficiency 80 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13708_PF-SOCKET-VERO10
C12479_MIRELLA-DL



Light distribution files

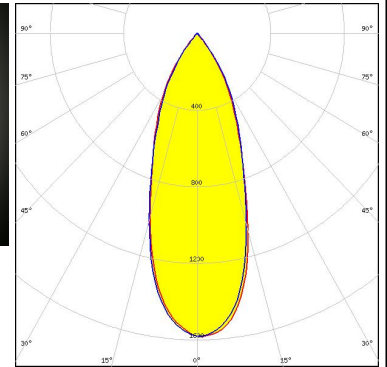
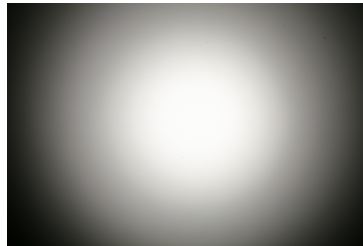
OPTICAL RESULTS (MEASURED):



LED VERO13
 FWHM / FWTM 37.0° / 73.0°
 Efficiency 82 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL



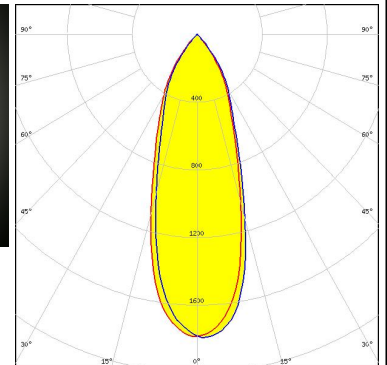
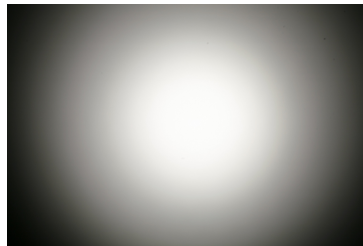
Light distribution files



LED VERO13
 FWHM / FWTM 34.0° / 76.0°
 Efficiency 88 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18



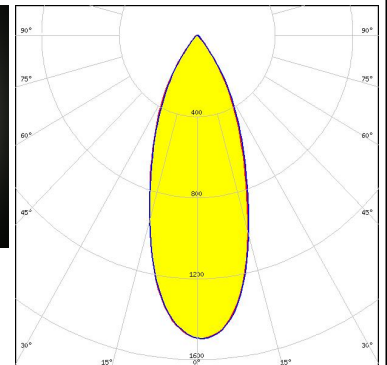
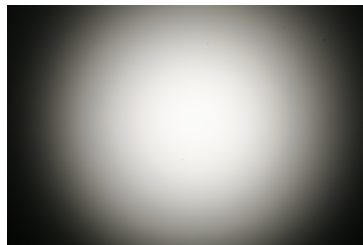
Light distribution files



LED VERO13
 FWHM / FWTM 38.0° / 74.0°
 Efficiency 82 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL

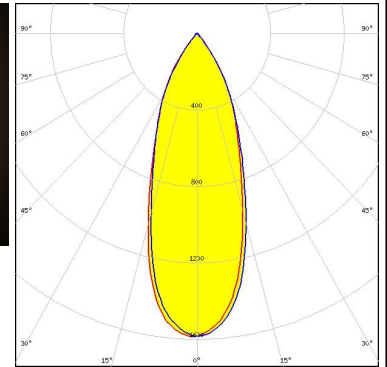
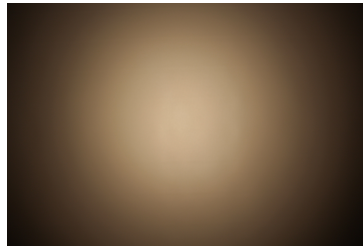


Light distribution files

OPTICAL RESULTS (MEASURED):



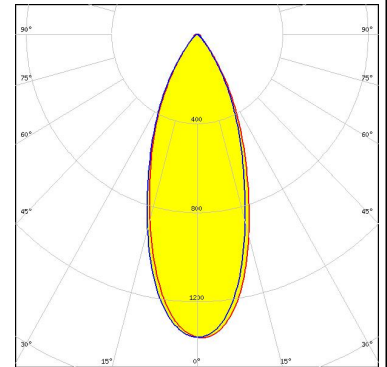
LED Xenio Point 13mm
FWHM / FWTM 36.0° / 73.0°
Efficiency 80 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL



Light distribution files



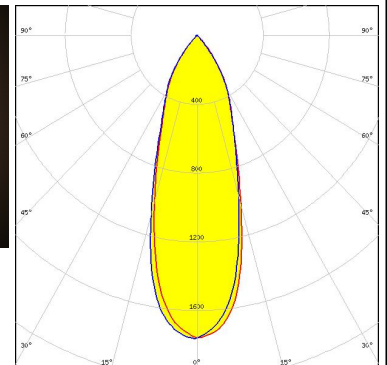
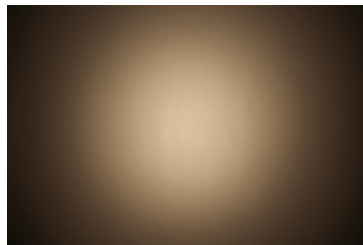
LED Xenio Point 13mm
FWHM / FWTM 39.0° / 74.0°
Efficiency 78 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL



Light distribution files



LED Xenio Point 13mm
FWHM / FWTM 34.0° / 75.0°
Efficiency 84 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13709_PF-SOCKET-VERO13-18



Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

LED CLL01x
FWHM / FWTM 24.0° / 69.0°
Efficiency 86 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET
C13333_MIRELLA-CL



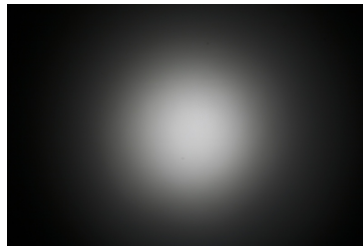
Light distribution files

CITIZEN

LED CLL01x
FWHM / FWTM 28.0° / 68.0°
Efficiency 86 %
Peak intensity 2.3 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 20.0° / 56.0°
Efficiency 90 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET



Light distribution files

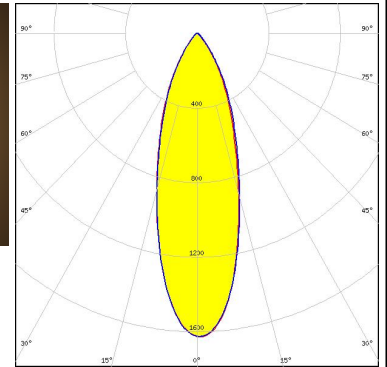
OPTICAL RESULTS (MEASURED):

CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 33.0° / 70.0°
 Efficiency 76 %
 Peak intensity 1.6 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



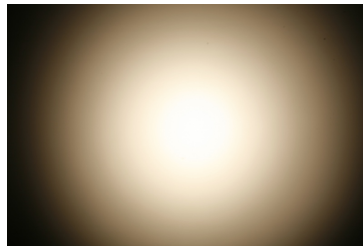
Light distribution files

CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 31.0° / 72.0°
 Efficiency 87 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13083_PF-SOCKET
 C12479_MIRELLA-DL



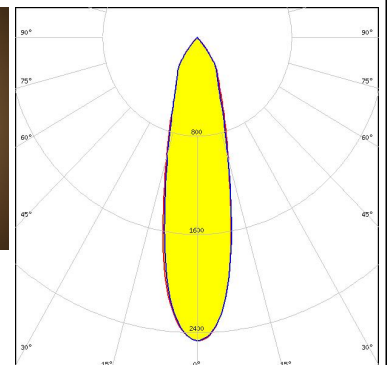
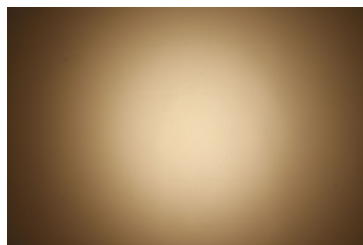
Light distribution files

CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 26.0° / 69.0°
 Efficiency 84 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1

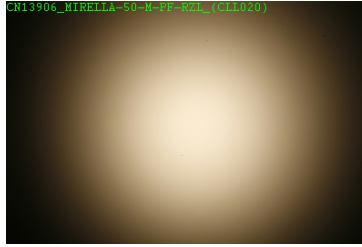


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM / FWTM 36.0° / 74.0°
Efficiency %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



CITIZEN

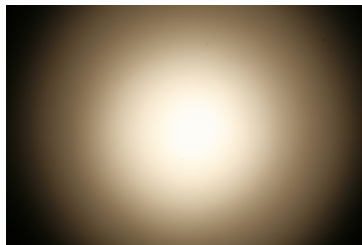
LED CLL02x/CLU02x (LES10)
FWHM / FWTM 26.0° / 70.0°
Efficiency 91 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET



Light distribution files

CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM / FWTM 30.0° / 70.0°
Efficiency 87 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



Light distribution files

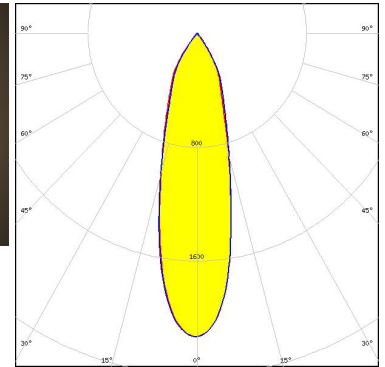
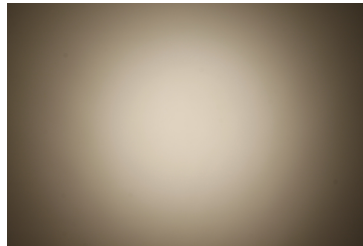
OPTICAL RESULTS (MEASURED):

CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM / FWTM 28.0° / 68.0°
Efficiency 79 %
Peak intensity 2.1 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



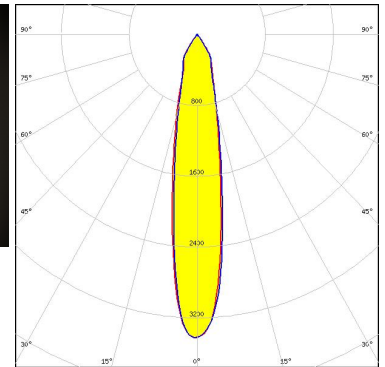
Light distribution files

CITIZEN

LED CLU700/701/702/703
FWHM / FWTM 19.0° / 56.0°
Efficiency 78 %
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



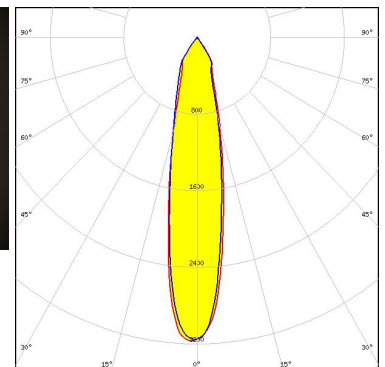
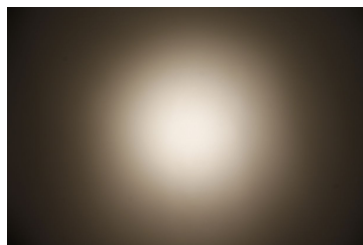
Light distribution files

CITIZEN

LED CLU700/701/702/703
FWHM / FWTM 21.0° / 62.0°
Efficiency 82 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET
C13333_MIRELLA-CL

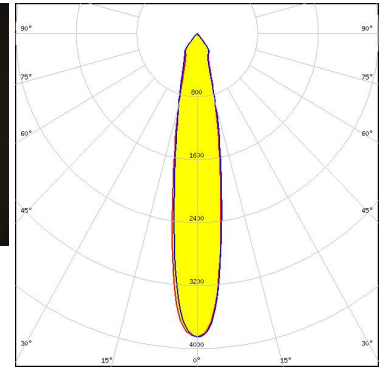


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

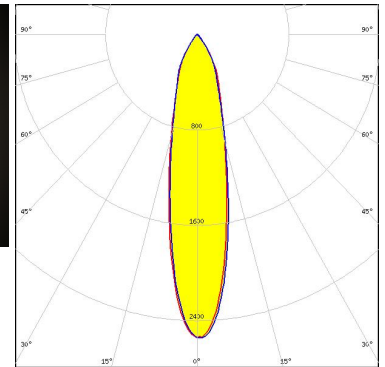
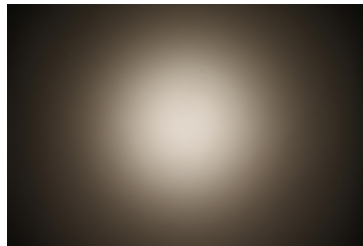
LED CLU700/701/702/703
 FWHM / FWTM 19.0° / 48.0°
 Efficiency 87 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET



Light distribution files

CITIZEN

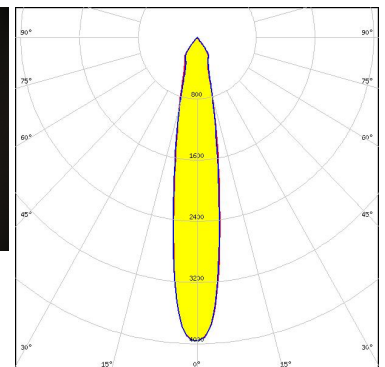
LED CLU700/701/702/703
 FWHM / FWTM 23.0° / 63.0°
 Efficiency 77 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 434 Typ L1



Light distribution files

CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 18.0° / 46.0°
 Efficiency 82 %
 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

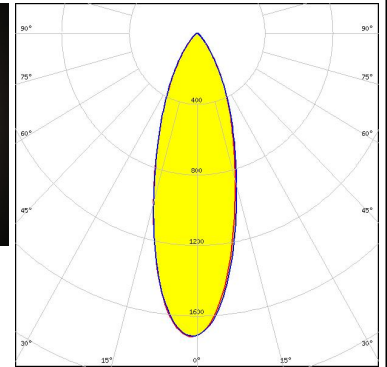
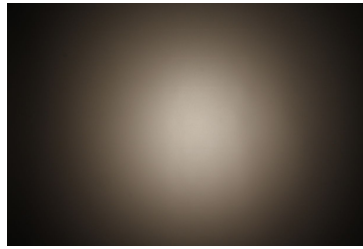


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

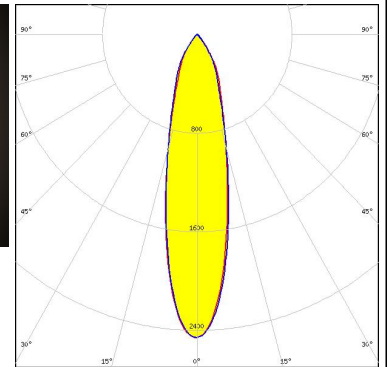
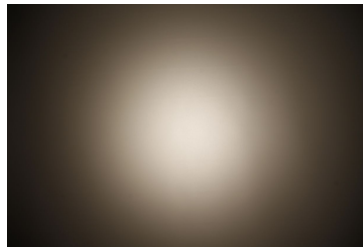
LED CLU700/701/702/703
 FWHM / FWTM 32.0° / 71.0°
 Efficiency 81 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files

CITIZEN

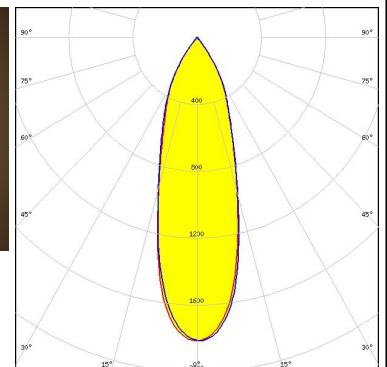
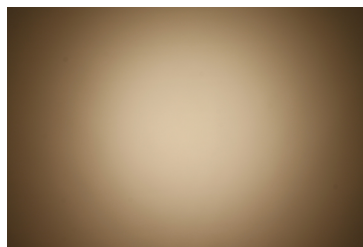
LED CLU700/701/702/703
 FWHM / FWTM 24.0° / 64.0°
 Efficiency 81 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files

CITIZEN

LED CLU720/721/723
 FWHM / FWTM 31.0° / 69.0°
 Efficiency 76 %
 Peak intensity 1.8 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

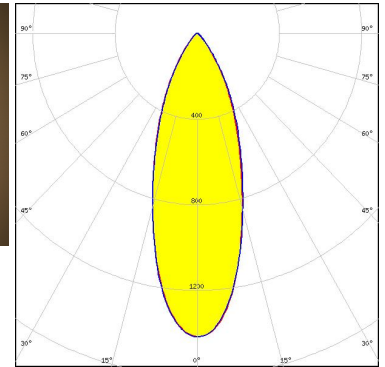


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

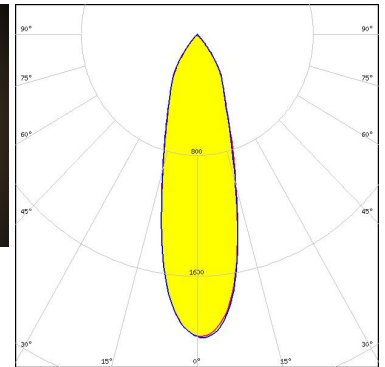
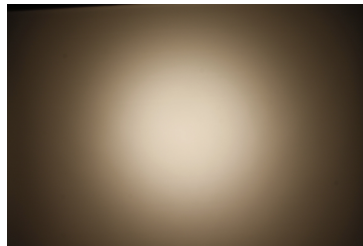
LED CLU720/721/723
 FWHM / FWTM 36.0° / 73.0°
 Efficiency 73 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 433 Typ L1



Light distribution files

CITIZEN

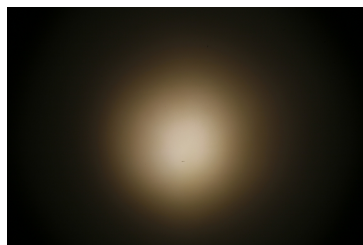
LED CLU720/721/723
 FWHM / FWTM 29.0° / 72.0°
 Efficiency 80 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 433 Typ L1



Light distribution files



LED CXA/B 13xx
 FWHM / FWTM 23.0° / 68.0°
 Efficiency 81 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL

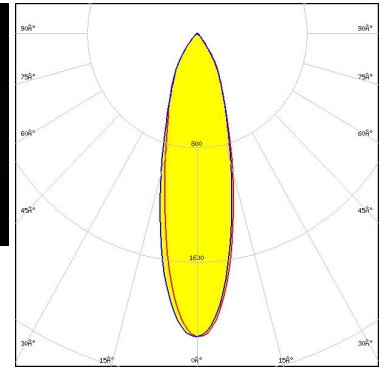


Light distribution files

OPTICAL RESULTS (MEASURED):



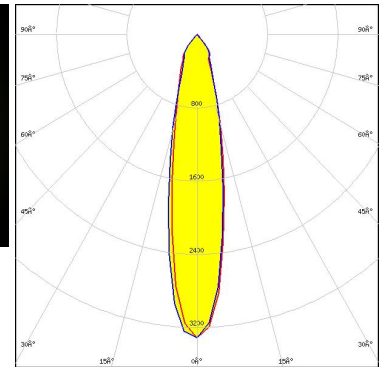
LED CXA/B 13xx
 FWHM / FWTM 26.0° / 67.0°
 Efficiency 80 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



Light distribution files



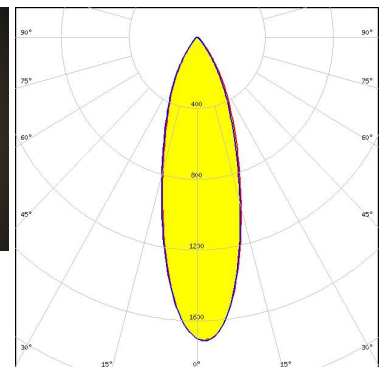
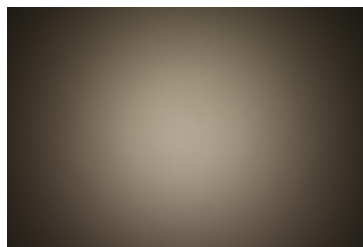
LED CXA/B 13xx
 FWHM / FWTM 20.0° / 55.0°
 Efficiency 85 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15



Light distribution files



LED CXA/B 15xx
 FWHM / FWTM 31.0° / 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: 441 Typ L1

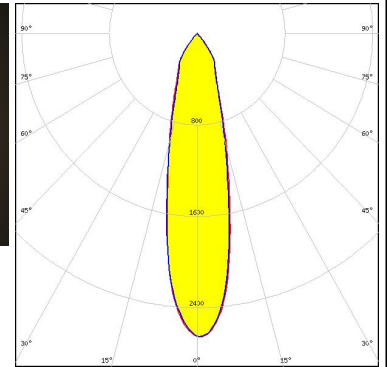
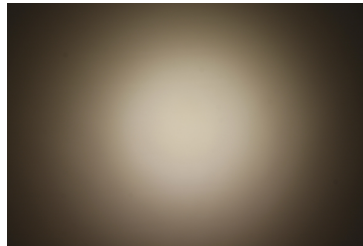


Light distribution files

OPTICAL RESULTS (MEASURED):



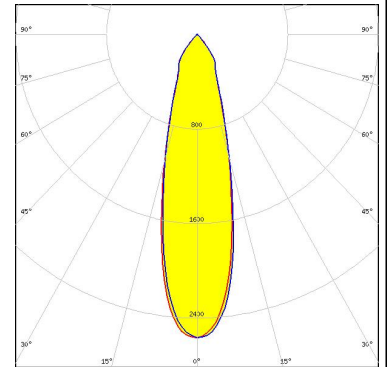
LED CXA/B 15xx
 FWHM / FWTM 24.0° / 68.0°
 Efficiency 83 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 441 Typ L1



Light distribution files



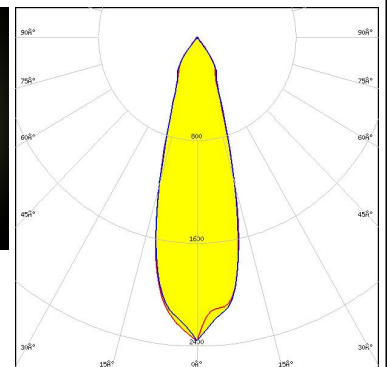
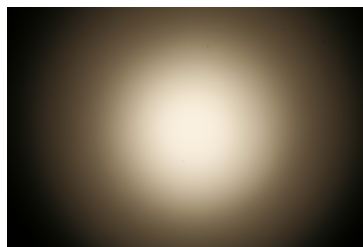
LED CXA/B 15xx
 FWHM / FWTM 27.0° / 71.0°
 Efficiency 91 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15



Light distribution files



LED CXA/B 15xx
 FWHM / FWTM 30.0° / 71.0°
 Efficiency 83 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



Light distribution files

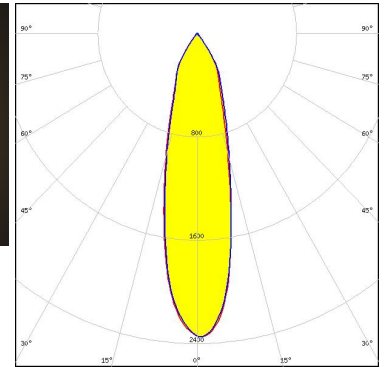
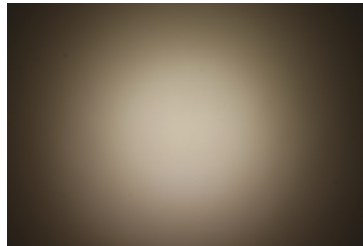
OPTICAL RESULTS (MEASURED):



LED CXA/B 15xx
FWHM / FWTM 26.0° / 66.0°
Efficiency 78 %
Peak intensity 2.3 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



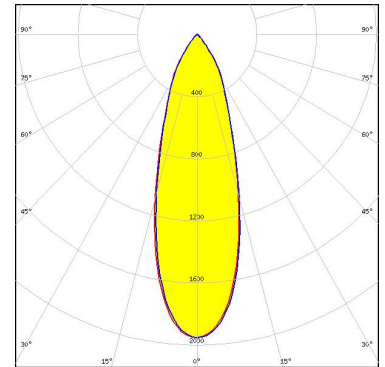
Light distribution files



LED CXA/B 15xx
FWHM / FWTM 32.0° / 70.0°
Efficiency 86 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13761_PF-SOCKET-CXA15
C12479_MIRELLA-DL



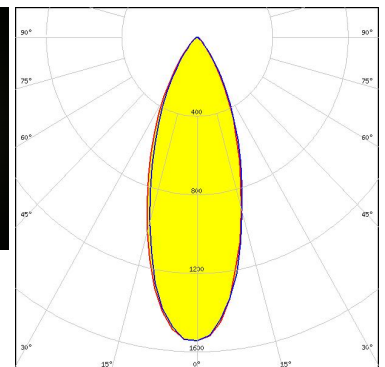
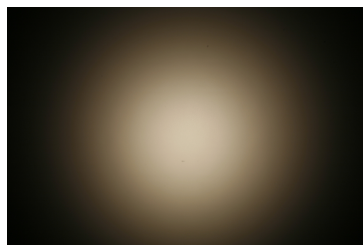
Light distribution files



LED CXA/B 15xx
FWHM / FWTM 38.0° / 75.0°
Efficiency 81 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13761_PF-SOCKET-CXA15
C13723_MIRELLA-RZL

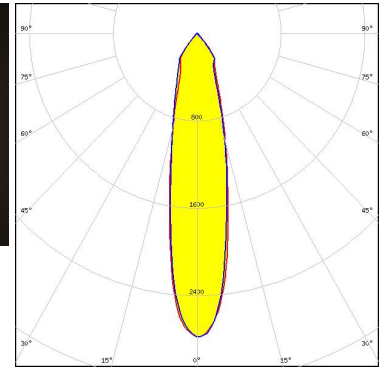
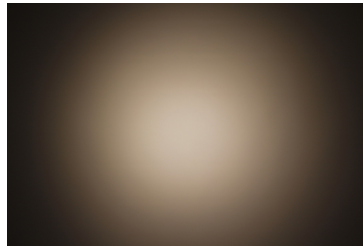


Light distribution files

OPTICAL RESULTS (MEASURED):



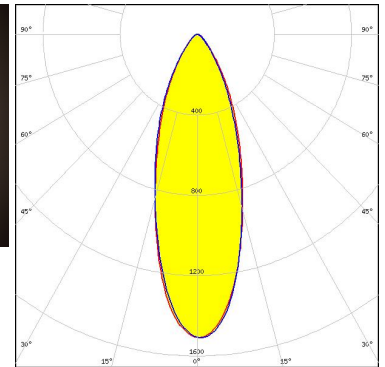
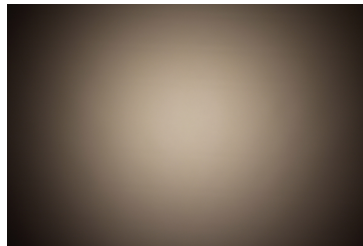
LED MHD-E/G
 FWHM / FWTM 23.0° / 72.0°
 Efficiency 91 %
 Peak intensity 2.8 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET



Light distribution files



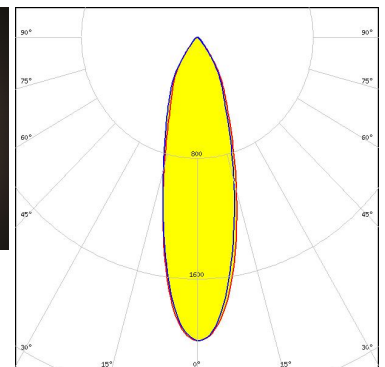
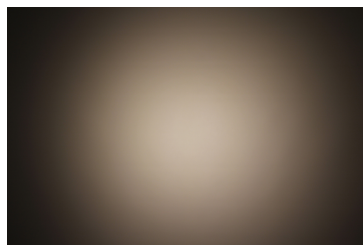
LED MHD-E/G
 FWHM / FWTM 35.0 + 53.0° / 75.0°
 Efficiency 83 %
 Peak intensity 1.5 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



LED MHD-E/G
 FWHM / FWTM 29.0° / 70.0°
 Efficiency 86 %
 Peak intensity 2 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



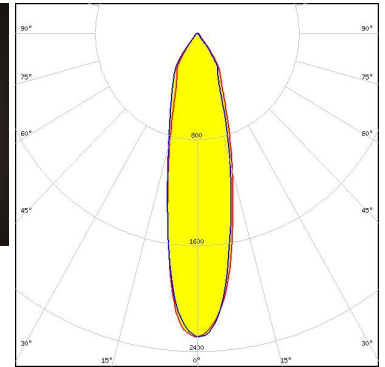
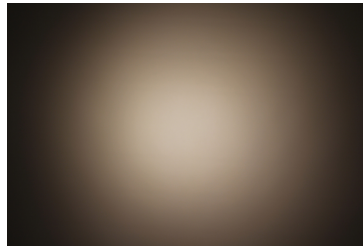
Light distribution files

OPTICAL RESULTS (MEASURED):



LED MHD-E/G
FWHM / FWTM 25.0° / 70.0°
Efficiency 85 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL

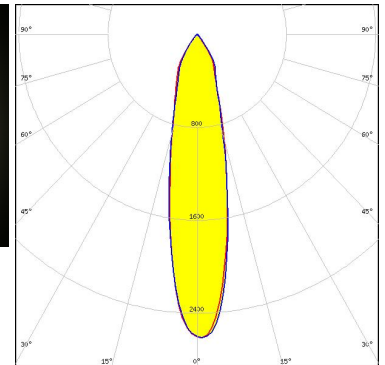
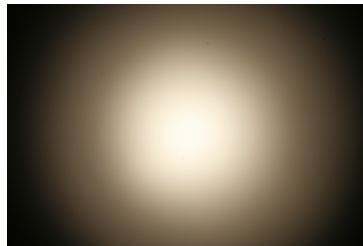


Light distribution files



LED MK-R
FWHM / FWTM 23.0° / 64.0°
Efficiency 80 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL

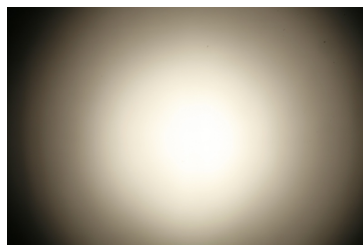


Light distribution files



LED MT-G
FWHM / FWTM 34.0° / 76.0°
Efficiency 86 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



Light distribution files

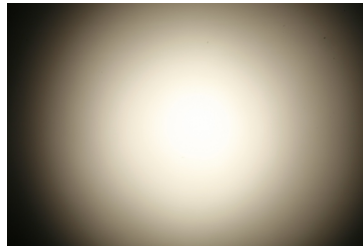
OPTICAL RESULTS (MEASURED):



LED MT-G
FWHM / FWTM 36.0° / 74.0°
Efficiency 87 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET
C12479_MIRELLA-DL



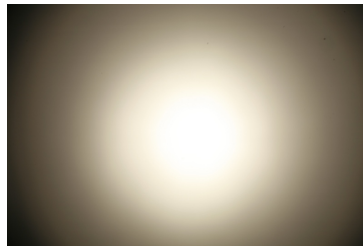
[Light distribution files](#)



LED MT-G
FWHM / FWTM 28.0° / 77.0°
Efficiency 91 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET



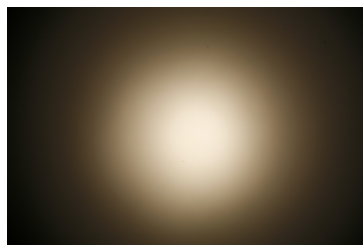
[Light distribution files](#)



LED MT-G2
FWHM / FWTM 25.0° / 76.0°
Efficiency 90 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET



[Light distribution files](#)

OPTICAL RESULTS (MEASURED):



LED MT-G2
 FWHM / FWTM 30.0° / 74.0°
 Efficiency 87 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13083_PF-SOCKET
 C13333_MIRELLA-CL



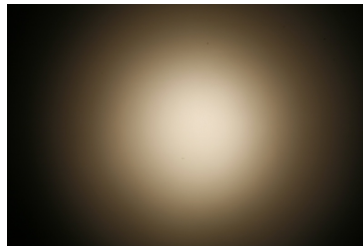
Light distribution files



LED MT-G2
 FWHM / FWTM 32.0° / 74.0°
 Efficiency 86 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13083_PF-SOCKET
 C12479_MIRELLA-DL



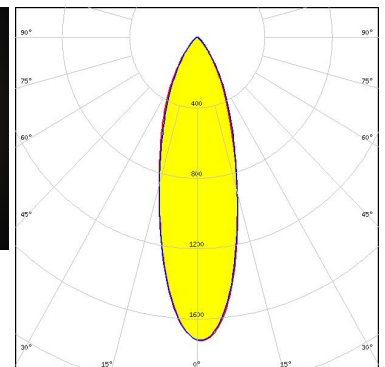
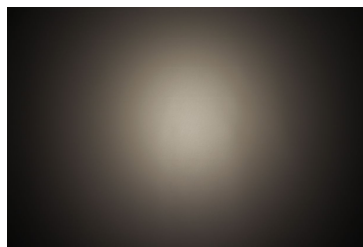
Light distribution files



LED XHP50
 FWHM / FWTM 31.0° / 71.0°
 Efficiency 81 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13083_PF-SOCKET
 C13723_MIRELLA-RZL

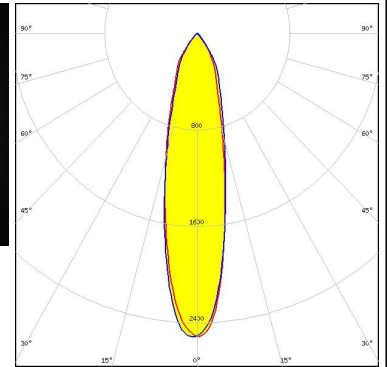
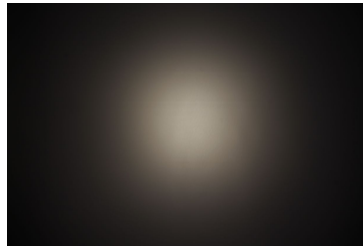


Light distribution files

OPTICAL RESULTS (MEASURED):



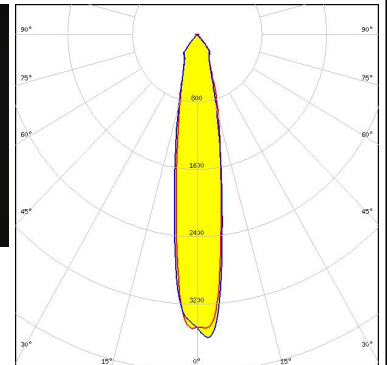
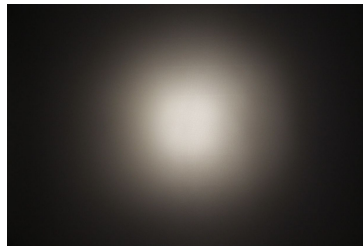
LED XHP50
 FWHM / FWTM 24.0° / 66.0°
 Efficiency 84 %
 Peak intensity 2.5 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files



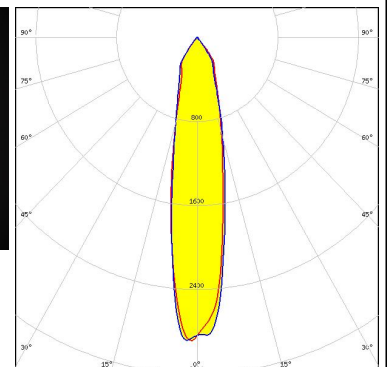
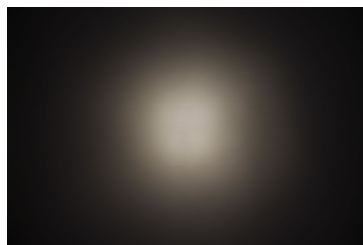
LED XHP50
 FWHM / FWTM 18.0° / 52.0°
 Efficiency 88 %
 Peak intensity 3.6 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET



Light distribution files



LED XHP50
 FWHM / FWTM 21.0° / 66.0°
 Efficiency 83 %
 Peak intensity 2.9 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL

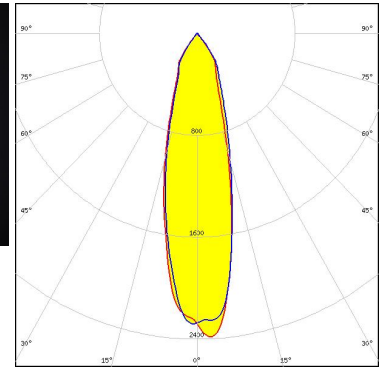
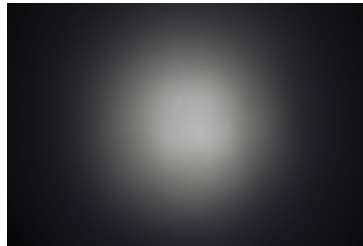


Light distribution files

OPTICAL RESULTS (MEASURED):



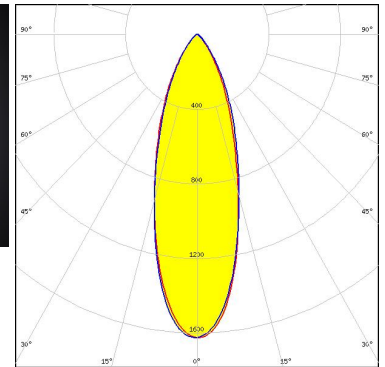
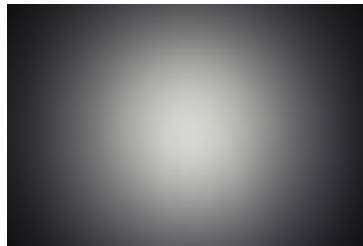
LED XHP70
FWHM / FWTM 27.0° / 69.0°
Efficiency 82 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



Light distribution files



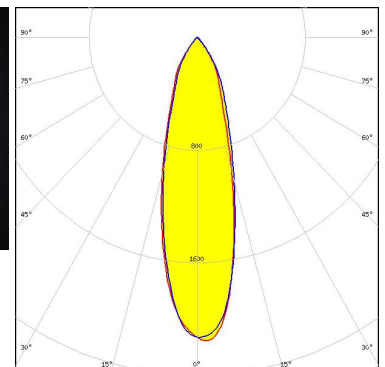
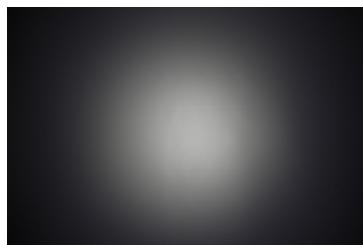
LED XHP70
FWHM / FWTM 33.0° / 72.0°
Efficiency 80 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



LED XHP70
FWHM / FWTM 28.0° / 68.0°
Efficiency 82 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL

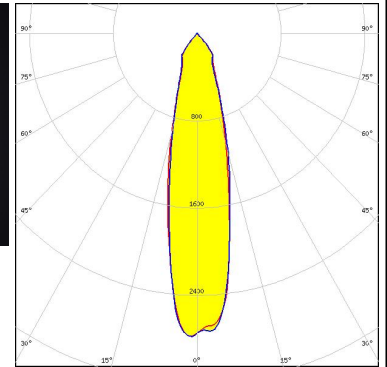
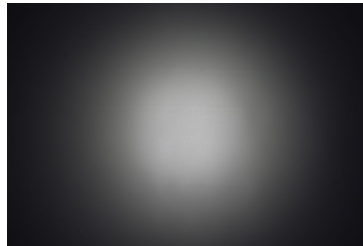


Light distribution files

OPTICAL RESULTS (MEASURED):



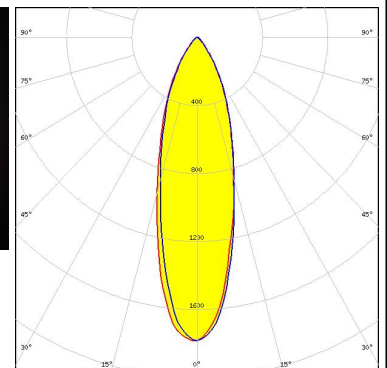
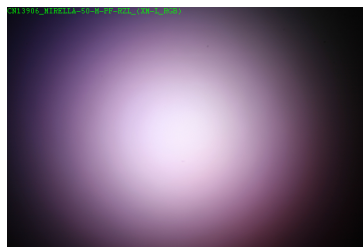
LED XHP70
 FWHM / FWTM 24.0° / 62.0°
 Efficiency 87 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET



Light distribution files



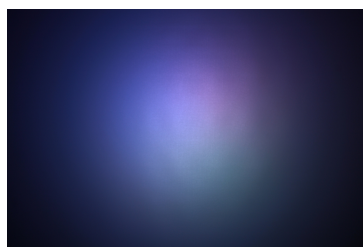
LED XM-L RGBW (XMLCTW)
 FWHM / FWTM 31.0° / 71.0°
 Efficiency 79 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



LED XQ-E HI
 FWHM / FWTM 30.0° / 74.0°
 Efficiency 87 %
 Peak intensity 2 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL

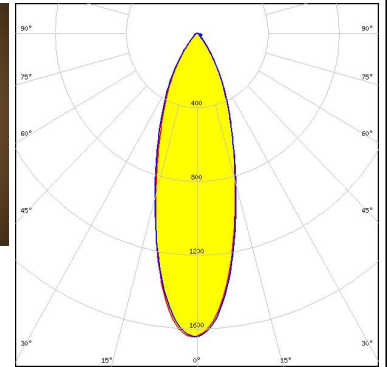
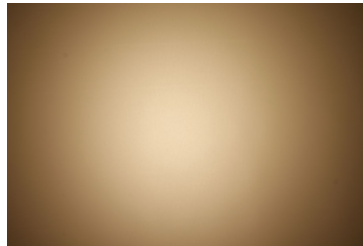


Light distribution files

OPTICAL RESULTS (MEASURED):



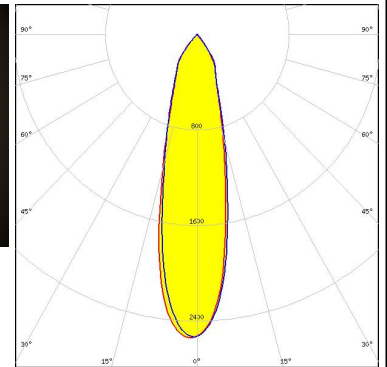
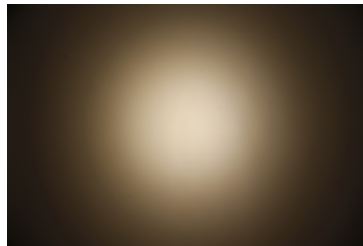
LED LUXEON CoB 1202/1203
FWHM / FWTM 32.0° / 69.0°
Efficiency 75 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



Light distribution files



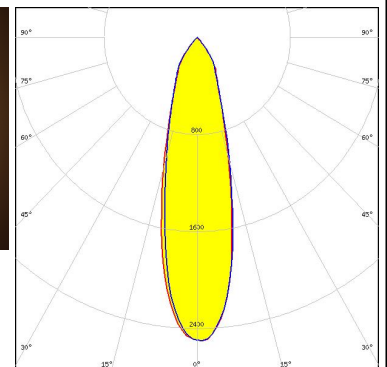
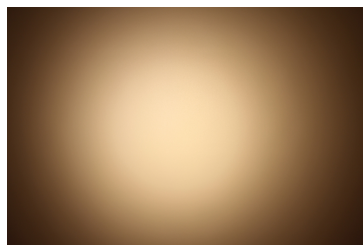
LED LUXEON CoB 1202/1203
FWHM / FWTM 25.0° / 69.0°
Efficiency 86 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 IDEAL: 50-2100NC +50-2100MR



Light distribution files



LED LUXEON CoB 1202/1203
FWHM / FWTM 27.0° / 70.0°
Efficiency 87 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C14037_PF-NSX-SOCKET

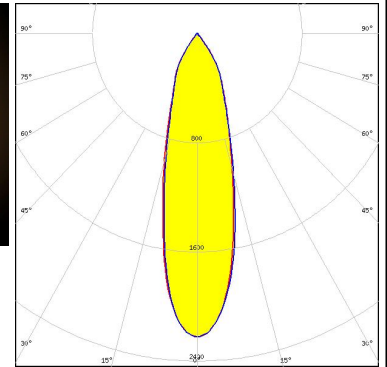
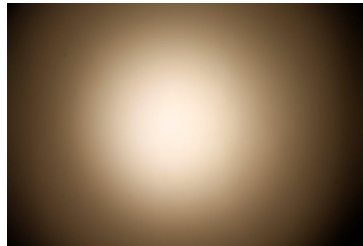


Light distribution files

OPTICAL RESULTS (MEASURED):



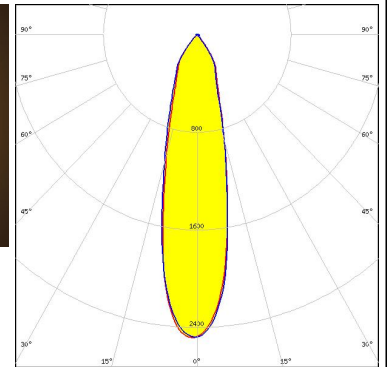
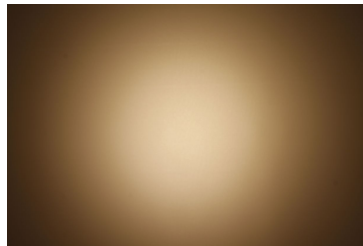
LED LUXEON CoB 1202/1203
FWHM / FWTM 28.0° / 68.0°
Efficiency 81 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL
IDEAL: 50-2100NC +50-2100MR



Light distribution files



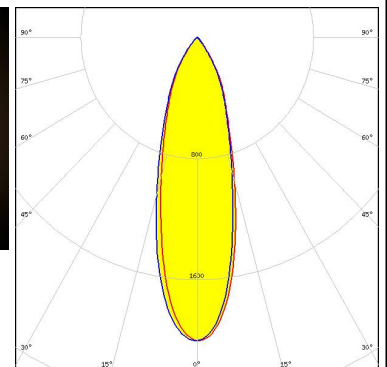
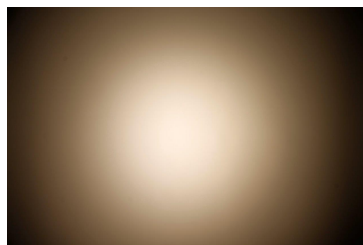
LED LUXEON CoB 1202/1203
FWHM / FWTM 25.0° / 69.0°
Efficiency 82 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 438 Typ L1



Light distribution files



LED LUXEON CoB 1202/1203
FWHM / FWTM 30.0° / 68.0°
Efficiency 82 %
Peak intensity 2 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):



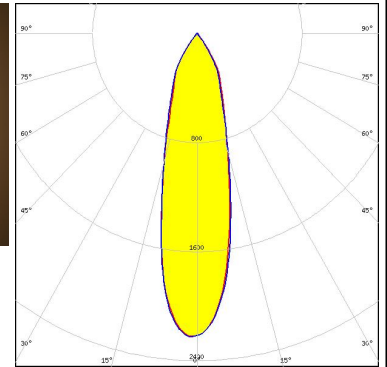
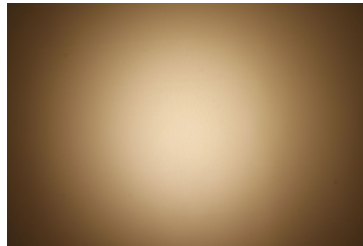
LED LUXEON CoB 1202/1203
FWHM / FWTM 27.0° / 67.0°
Efficiency 77 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL

Bender Wirth: 438 Typ L1



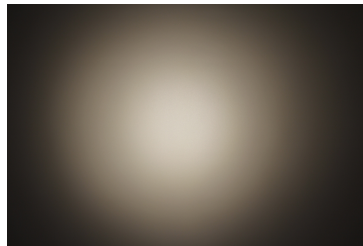
Light distribution files



LED LUXEON CoB 1202s
FWHM / FWTM 20.0° / 58.0°
Efficiency 88 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13761_PF-SOCKET-CXA15



Light distribution files

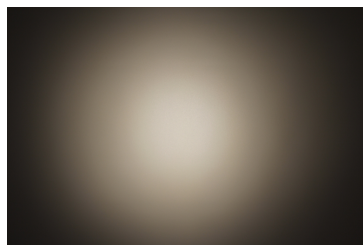


LED LUXEON CoB 1202s
FWHM / FWTM 23.0° / 72.0°
Efficiency 83 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13761_PF-SOCKET-CXA15

C13333_MIRELLA-CL



Light distribution files

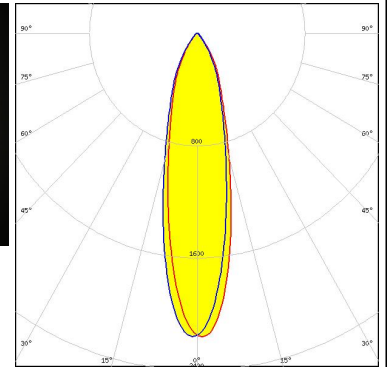
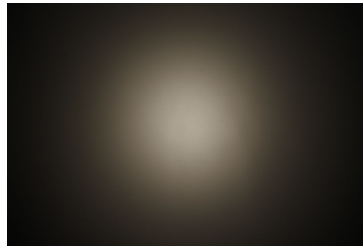
OPTICAL RESULTS (MEASURED):



LED LUXEON CoB 1202s
 FWHM / FWTM 25.0° / 65.0°
 Efficiency 79 %
 Peak intensity 2.2 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



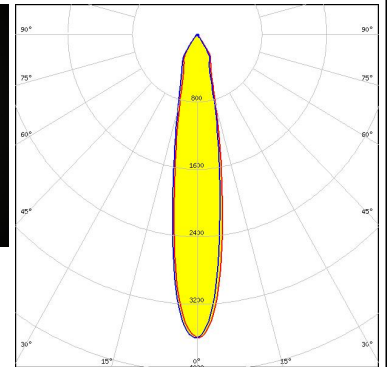
Light distribution files



LED LUXEON CoB 1202s
 FWHM / FWTM 19.0° / 55.0°
 Efficiency 81 %
 Peak intensity 3.6 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



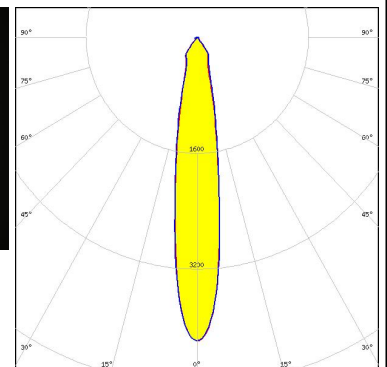
Light distribution files



LED LUXEON CoB 1202s
 FWHM / FWTM 17.0° / 45.0°
 Efficiency 86 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 452 Typ L1

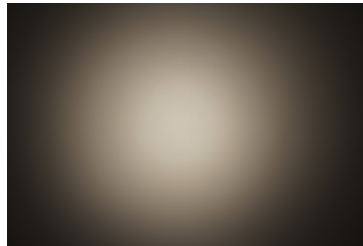


Light distribution files

OPTICAL RESULTS (MEASURED):



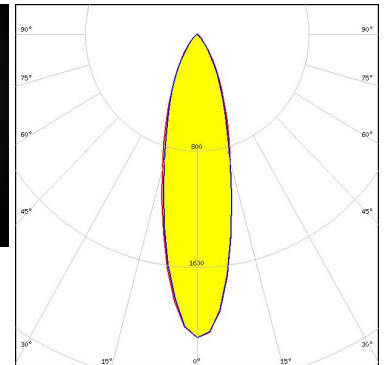
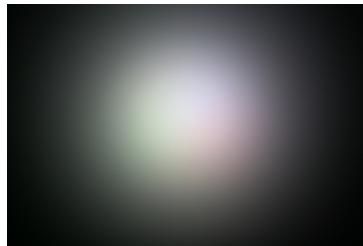
LED LUXEON CoB 1202s
FWHM / FWTM 26.0° / 70.0°
Efficiency 83 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



Light distribution files



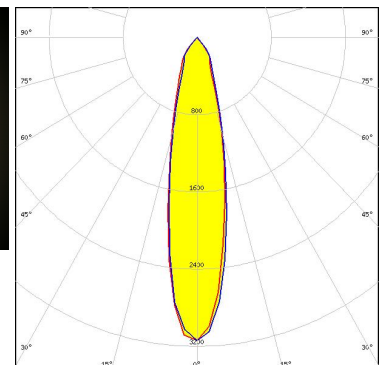
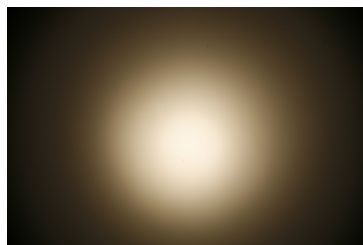
LED LUXEON Z
FWHM / FWTM 28.0° / 66.0°
Efficiency 79 %
Peak intensity 2.1 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



LED CxM-6 (12x13)
FWHM / FWTM 23.0° / 57.0°
Efficiency 85 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET

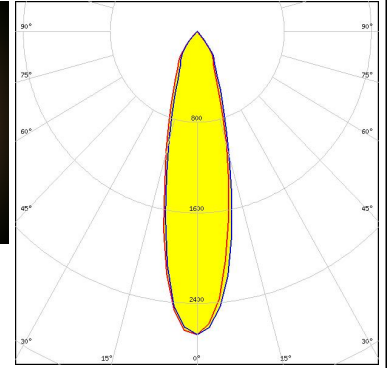


Light distribution files

OPTICAL RESULTS (MEASURED):



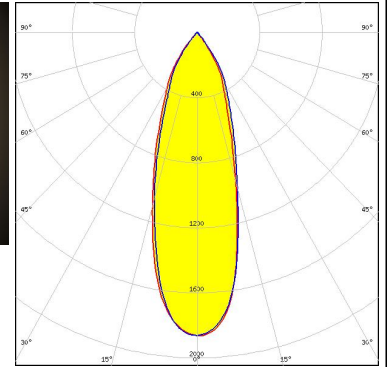
LED CXM-7 (13x13)
FWHM / FWTM 26.0° / 69.0°
Efficiency 86 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET



Light distribution files



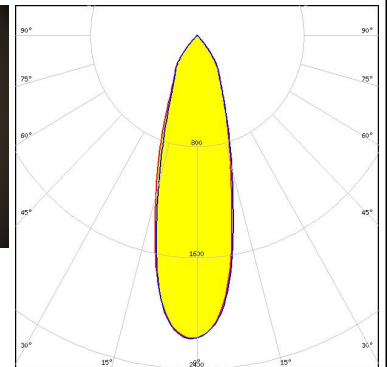
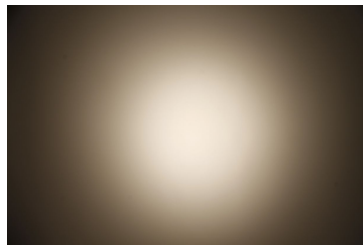
LED CxM-9 (13.5x13.5)
FWHM / FWTM 33.0° / 72.0°
Efficiency 84 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



Light distribution files



LED CxM-9 (13.5x13.5)
FWHM / FWTM 30.0° / 74.0°
Efficiency 89 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET

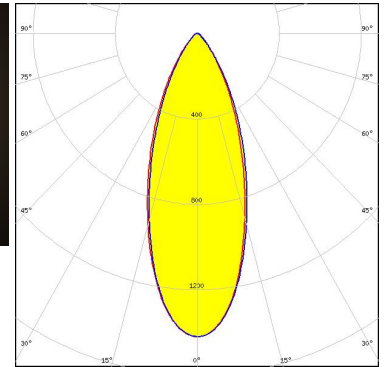
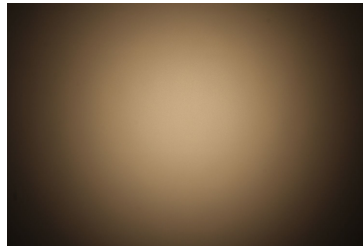


Light distribution files

OPTICAL RESULTS (MEASURED):



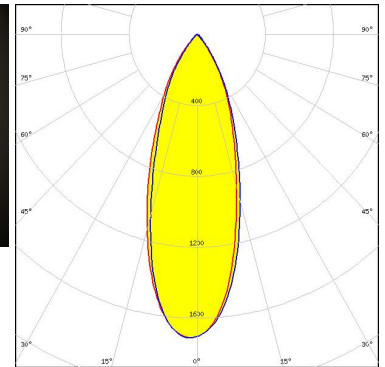
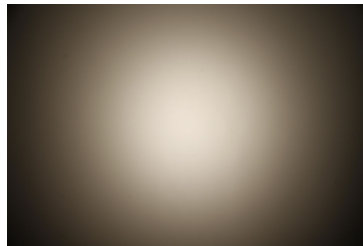
LED CxM-9 (13.5x13.5)
FWHM / FWTM 38.0° / 76.0°
Efficiency 82 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



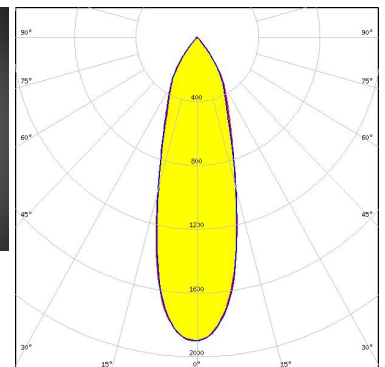
LED CxM-9 (13.5x13.5)
FWHM / FWTM 35.0° / 72.0°
Efficiency 84 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files



LED COB L-Type (LES 11)
FWHM / FWTM 31.0° / 73.0°
Efficiency 81 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1

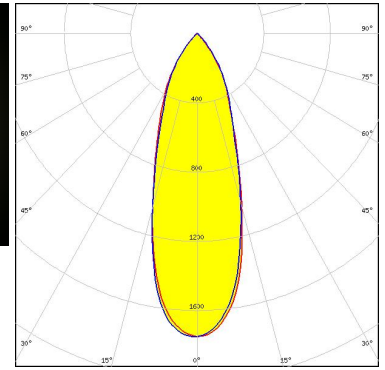


Light distribution files

OPTICAL RESULTS (MEASURED):



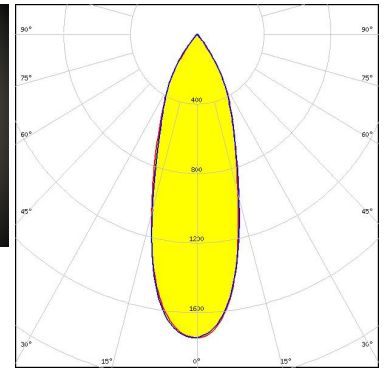
LED COB L-Type (LES 11)
FWHM / FWTM 35.0° / 75.0°
Efficiency 84 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14037_PF-NSX-SOCKET



Light distribution files



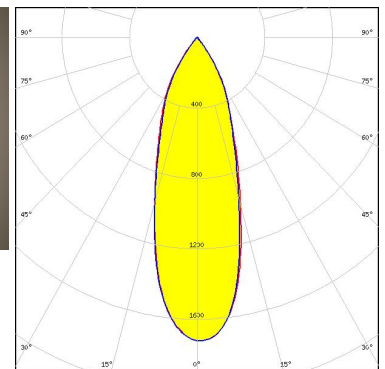
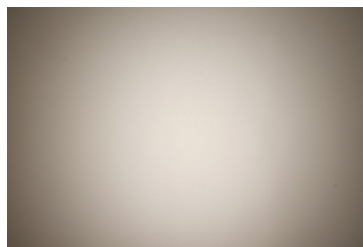
LED COB L-Type (LES 11)
FWHM / FWTM 34.0° / 71.0°
Efficiency 81 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13333_MIRELLA-CL
IDEAL: 50-2100NC +50-2100MR



Light distribution files



LED COB L-Type (LES 11)
FWHM / FWTM 33.0° / 70.0°
Efficiency 77 %
Peak intensity 1.7 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

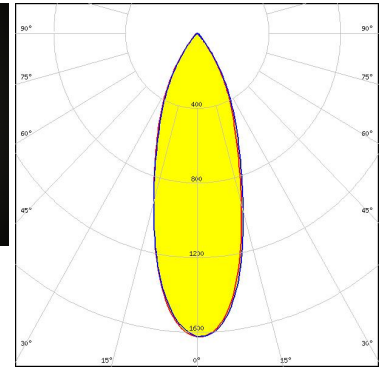
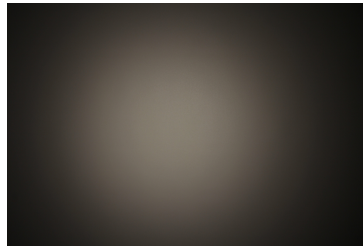


Light distribution files

OPTICAL RESULTS (MEASURED):



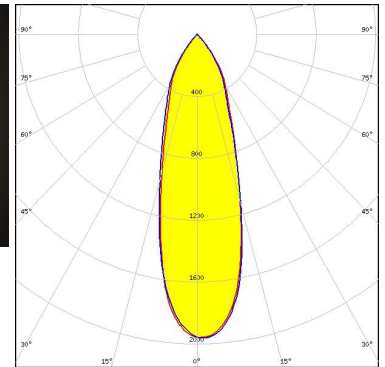
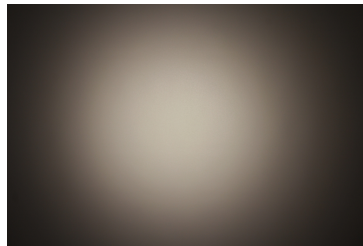
LED COB L-Type (LES 11)
FWHM / FWTM 35.0° / 71.0°
Efficiency 80 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12479_MIRELLA-DL
IDEAL: 50-2100NC +50-2100MR



Light distribution files



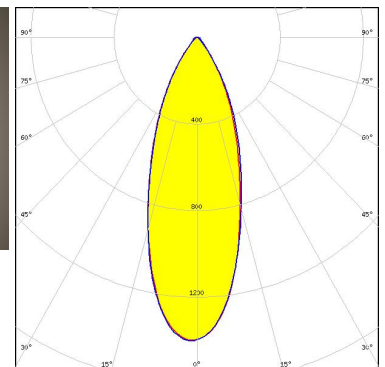
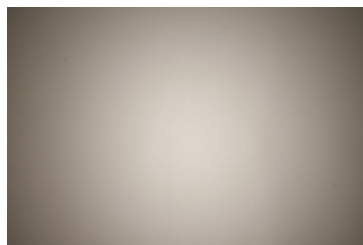
LED COB L-Type (LES 11)
FWHM / FWTM 31.0° / 74.0°
Efficiency 86 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
IDEAL: 50-2100NC +50-2100MR



Light distribution files



LED COB L-Type (LES 11)
FWHM / FWTM 37.0° / 73.0°
Efficiency 76 %
Peak intensity 1.4 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

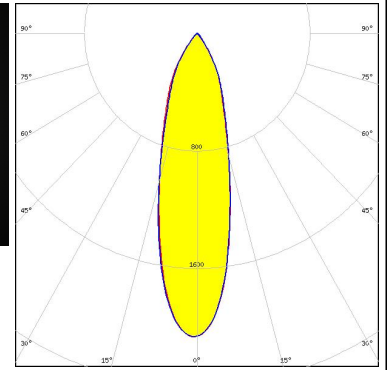


Light distribution files

OPTICAL RESULTS (MEASURED):



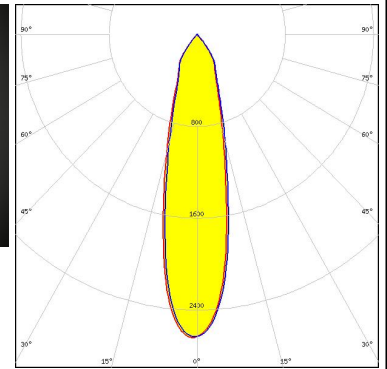
LED COB L-Type (LES 9)
 FWHM / FWTM 28.0° / 67.0°
 Efficiency 80 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



Light distribution files



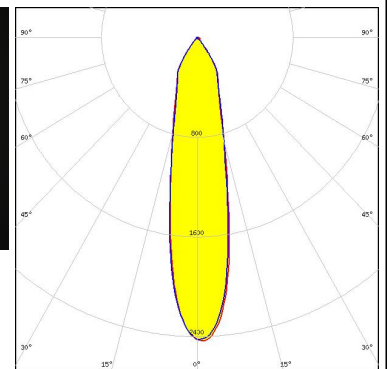
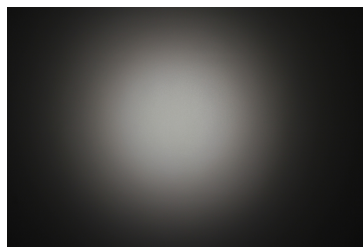
LED COB L-Type (LES 9)
 FWHM / FWTM 24.0° / 68.0°
 Efficiency 84 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



Light distribution files



LED COB L-Type (LES 9)
 FWHM / FWTM 23.0° / 68.0°
 Efficiency 76 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2100NC +50-2100MR



Light distribution files

OPTICAL RESULTS (MEASURED):



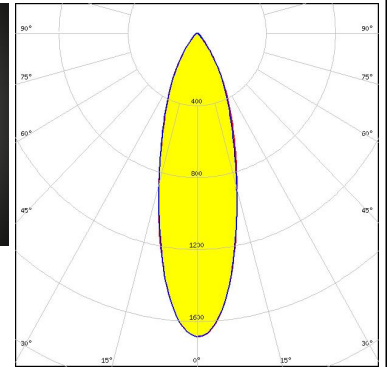
LED COB L-Type (LES 9)
 FWHM / FWTM 31.0° / 69.0°
 Efficiency 76 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL

Bender Wirth: 438 Typ L1



Light distribution files

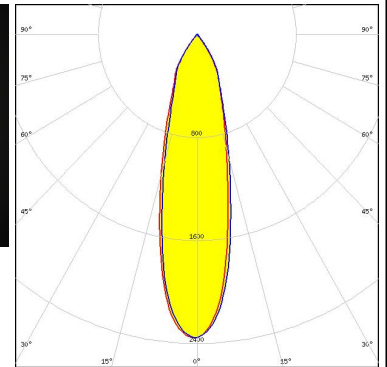


LED COB L-Type (LES 9)
 FWHM / FWTM 27.0° / 67.0°
 Efficiency 82 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13333_MIRELLA-CL

IDEAL: 50-2100NC +50-2100MR



Light distribution files



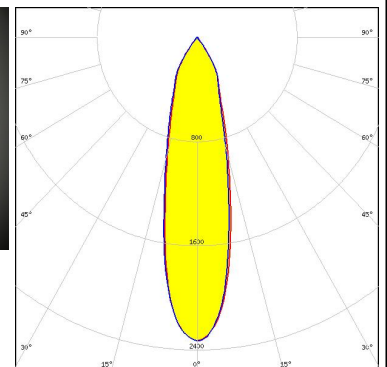
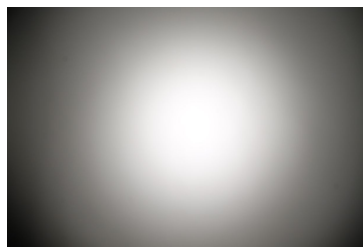
LED COB L-Type (LES 9)
 FWHM / FWTM 25.0° / 66.0°
 Efficiency 78 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

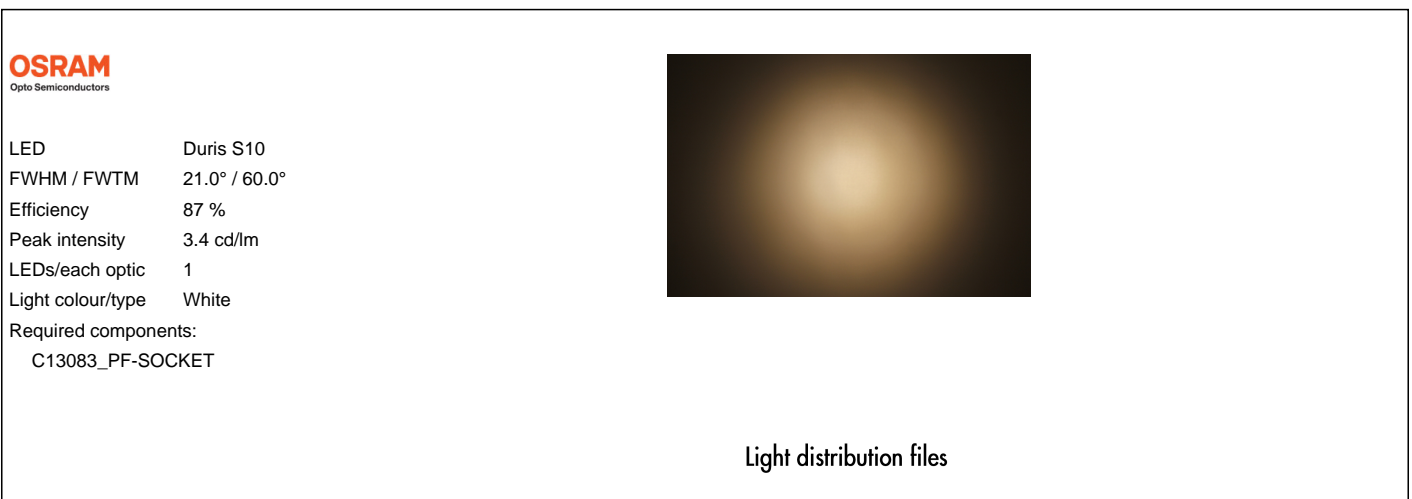
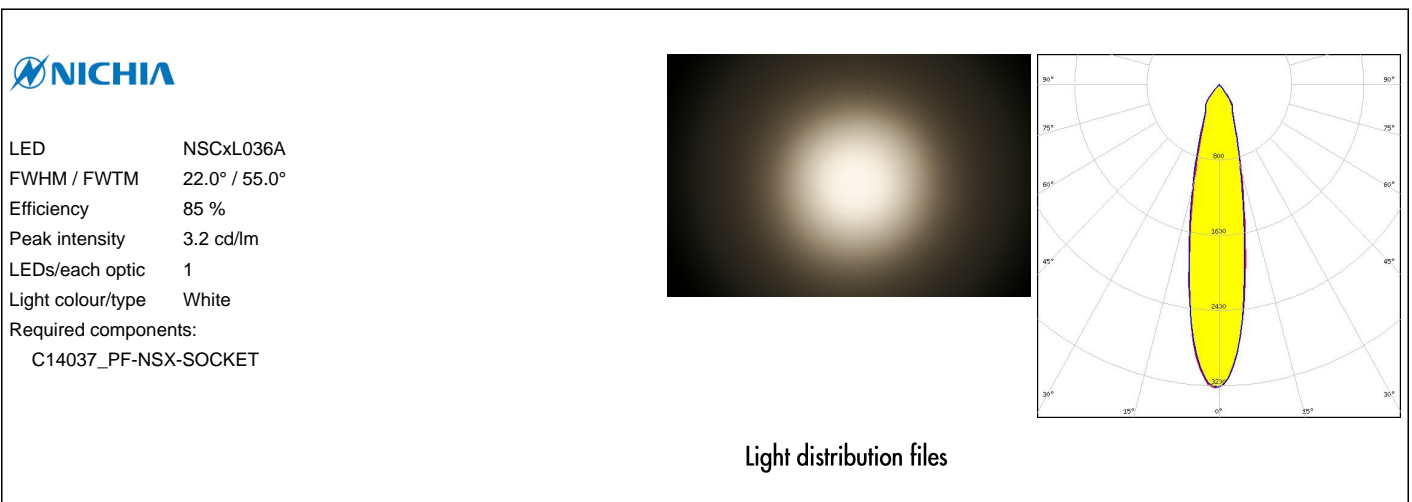
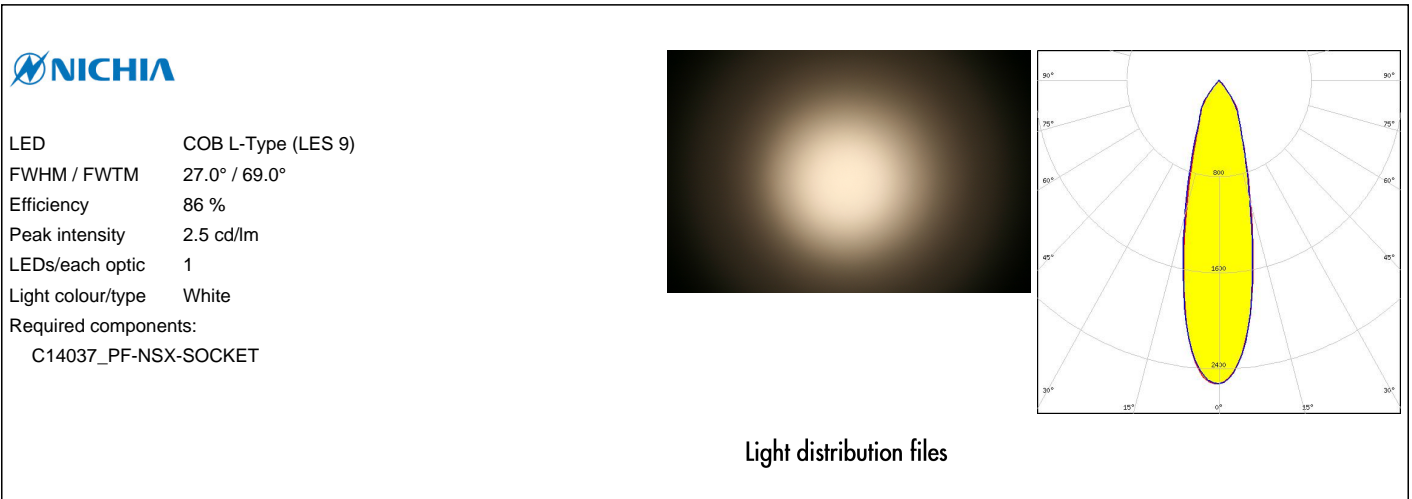
C13333_MIRELLA-CL

Bender Wirth: 438 Typ L1



Light distribution files

OPTICAL RESULTS (MEASURED):



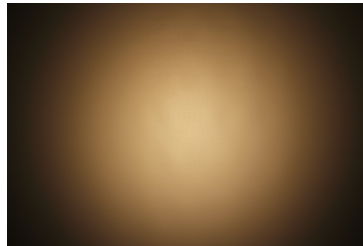
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED Duris S10
FWHM / FWTM 33.0° / 73.0°
Efficiency 81 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET
C13723_MIRELLA-RZL



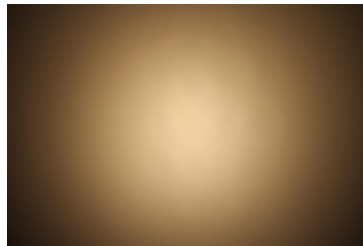
Light distribution files

OSRAM
Opto Semiconductors

LED Duris S10
FWHM / FWTM 31.0° / 72.0°
Efficiency 80 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET
C12479_MIRELLA-DL



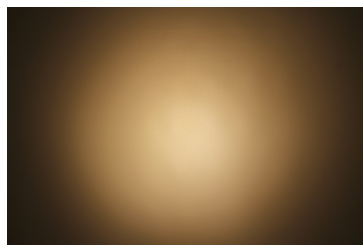
Light distribution files

OSRAM
Opto Semiconductors

LED Duris S10
FWHM / FWTM 25.0° / 70.0°
Efficiency 82 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET
C13333_MIRELLA-CL

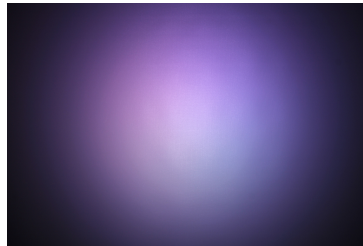


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

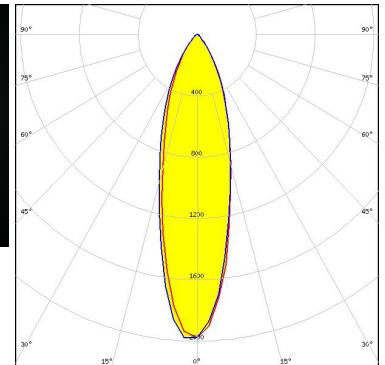
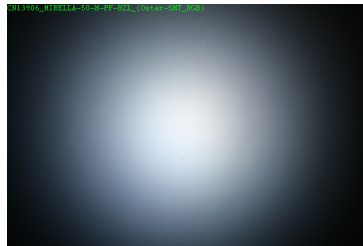
LED OSTAR Stage (S2WP)
 FWHM / FWTM 27.0° / 70.0°
 Efficiency 83 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files

OSRAM
Opto Semiconductors

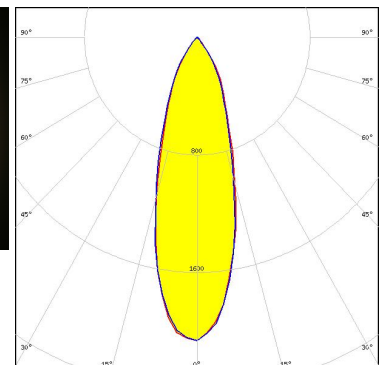
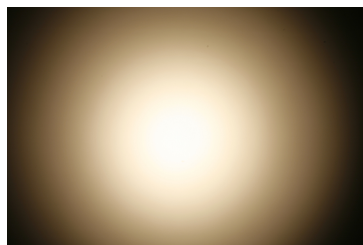
LED Ostar-SMT RGB
 FWHM / FWTM 29.0° / 69.0°
 Efficiency 80 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files

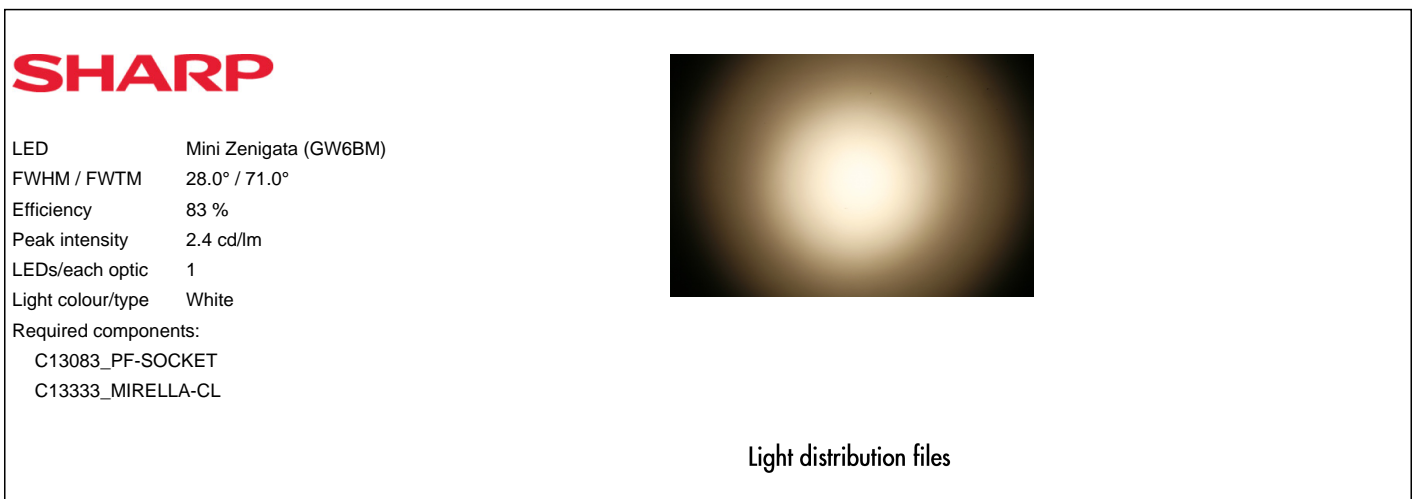
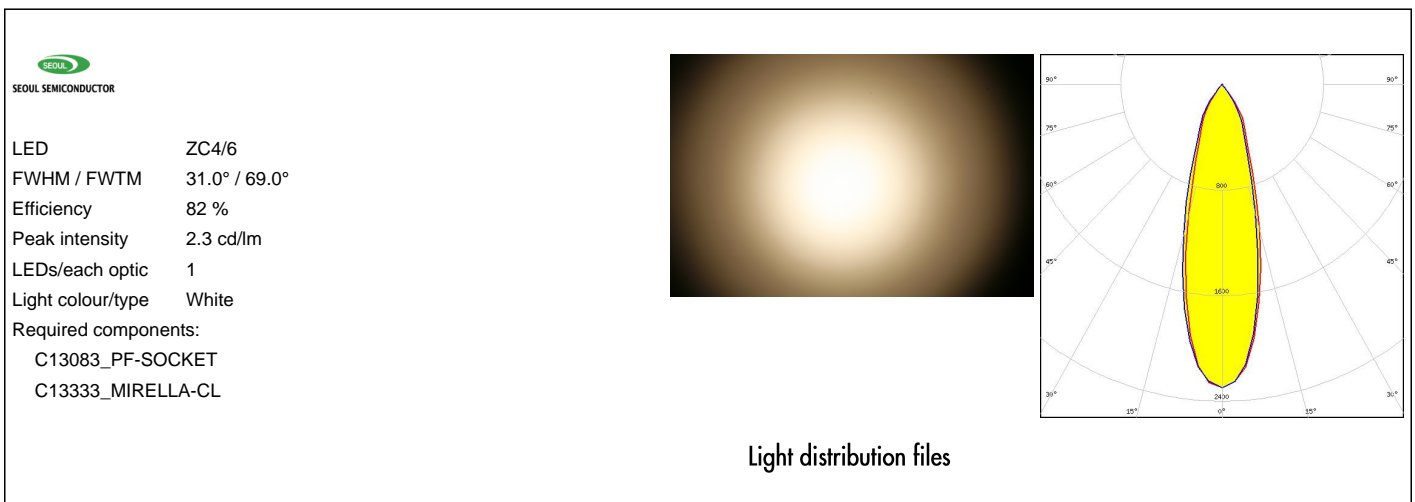
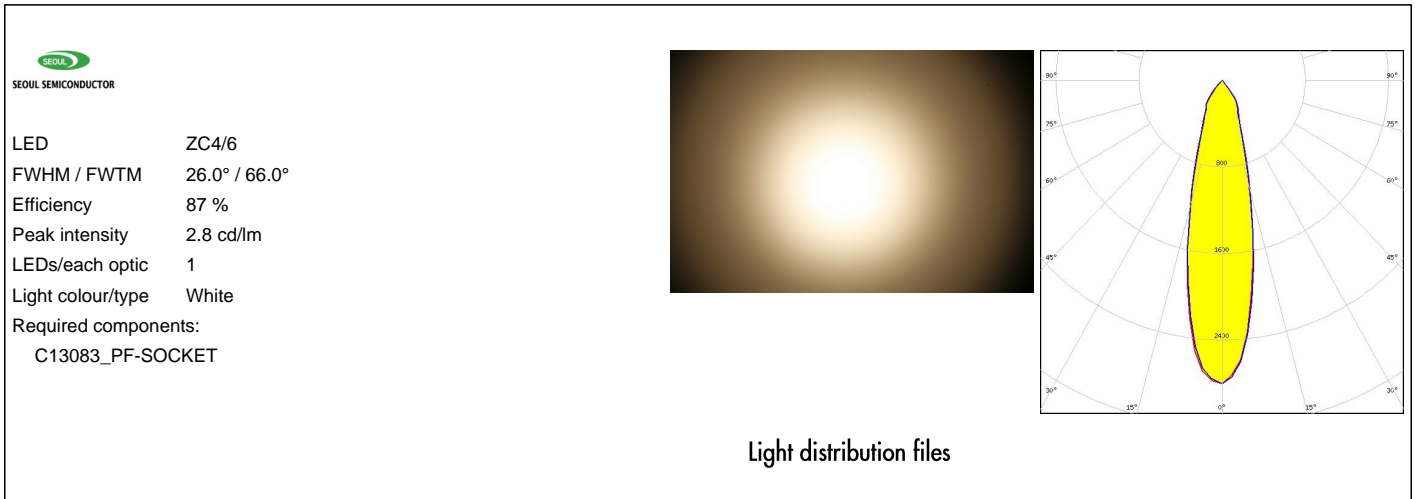
SEUL
SEOUL SEMICONDUCTOR

LED ZC4/6
 FWHM / FWTM 32.0° / 70.0°
 Efficiency 83 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files

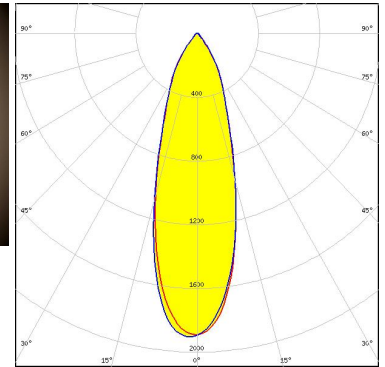
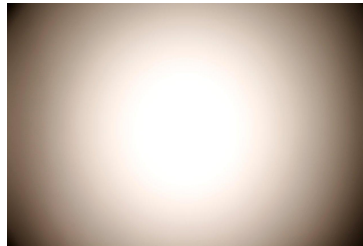
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):

SHARP

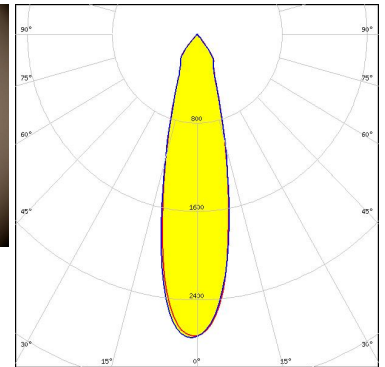
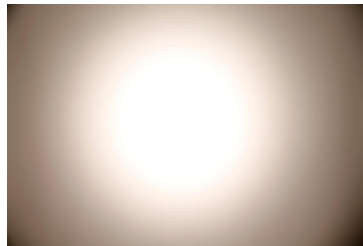
LED Mini Zenigata (GW6BM)
FWHM / FWTM 30.0° / 70.0°
Efficiency 83 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



Light distribution files

SHARP

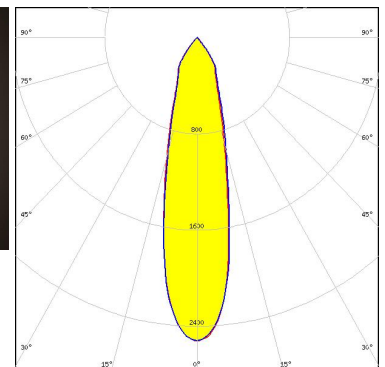
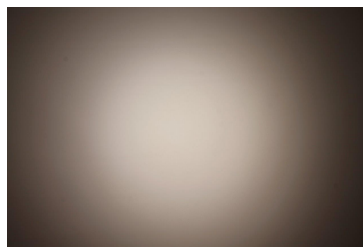
LED Mini Zenigata (GW6BM)
FWHM / FWTM 25.0° / 73.0°
Efficiency 90 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET



Light distribution files

XICATO

LED XTM - 9mm LES
FWHM / FWTM 25.0° / 69.0°
Efficiency 82 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14636_XTM-PF-ADAPTER

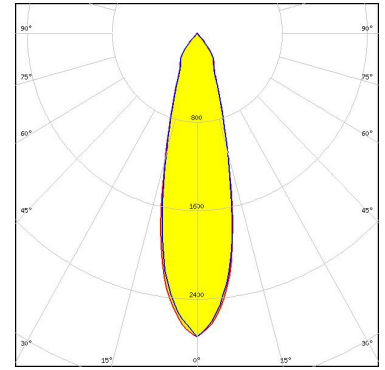


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

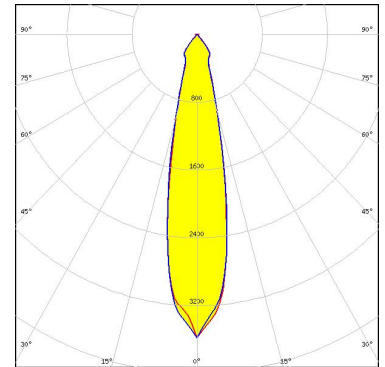
LED CLL02x/CLU02x (LES10)
FWHM / FWTM 26.0° / 68.0°
Efficiency 91 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET



Light distribution files



LED MT-G2
FWHM / FWTM 22.0° / 46.0°
Efficiency 90 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET



Light distribution files



LED LUXEON CoB Compact
FWHM / FWTM 20.0° / 58.0°
Efficiency 88 %
Peak intensity 3.6 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	26.0° / 70.0°
Efficiency	83 %
Peak intensity	1.1 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	19.0° / 55.0°
Efficiency	81 %
Peak intensity	3.6 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: 452 Typ L1



LED	LUXEON CoB Compact
FWHM / FWTM	17.0° / 45.0°
Efficiency	86 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C13709_PF-SOCKET-VERO13-18

[Light distribution files](#)

Bender Wirth: 452 Typ L1

OPTICAL RESULTS (SIMULATED):



LED LUXEON CoB Compact
FWHM / FWTM 25.0° / 65.0°
Efficiency 79 %
Peak intensity 2.2 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 23.0° / 72.0°
Efficiency 83 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13761_PF-SOCKET-CXA15
C13333_MIRELLA-CL

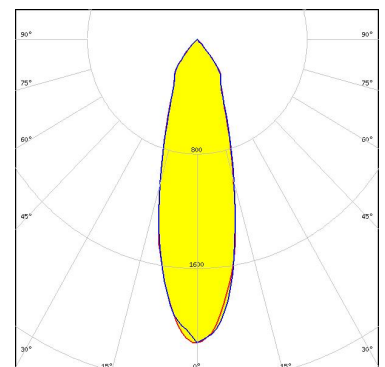
[Light distribution files](#)



LED LUXEON K4
FWHM / FWTM 30.0° / 78.0°
Efficiency 88 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13761_PF-SOCKET-CXA15



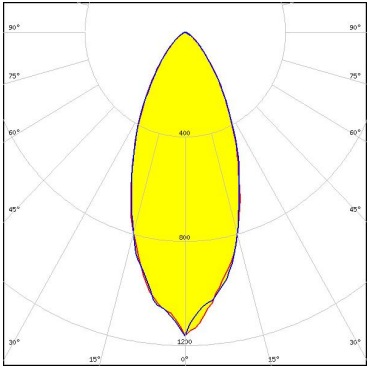
[Light distribution files](#)

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON K4
FWHM / FWTM	44.0° / 88.0°
Efficiency	83 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C13761_PF-SOCKET-CXA15
C12479_MIRELLA-DL



Light distribution files

LUMINUS

LED	CxM-14 (19x19)
FWHM / FWTM	41.0° / 75.0°
Efficiency	71 %
Peak intensity	1.2 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

LUMINUS

LED	CxM-14 (19x19)
FWHM / FWTM	38.0° / 78.0°
Efficiency	75 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C13709_PF-SOCKET-VERO13-18

Light distribution files

OPTICAL RESULTS (SIMULATED):



LED CxM-14 (19x19)
FWHM / FWTM 42.0° / 76.0°
Efficiency 70 %
Peak intensity 1.2 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



LED CxM-9 (13.5x13.5)
FWHM / FWTM 28.0° / 68.0°
Efficiency 79 %
Peak intensity 2.1 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



LED CxM-9 (13.5x13.5)
FWHM / FWTM 26.0° / 69.0°
Efficiency 84 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

[Light distribution files](#)

Bender Wirth: 434 Typ L1

OPTICAL RESULTS (SIMULATED):



LED CxM-9 (13.5x13.5)
FWHM / FWTM 33.0° / 70.0°
Efficiency 76 %
Peak intensity 1.6 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: 434 Typ L1



LED COB S-Type (LES 7)
FWHM / FWTM 25.0° / 65.0°
Efficiency 79 %
Peak intensity 2.2 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 COB S-Type (LES 7)
FWHM / FWTM 19.0° / 55.0°
Efficiency 81 %
Peak intensity 3.6 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: 452 Typ L1

OPTICAL RESULTS (SIMULATED):



LED COB S-Type (LES 7)
FWHM / FWTM 17.0° / 45.0°
Efficiency 86 %
Peak intensity 4.2 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](#)

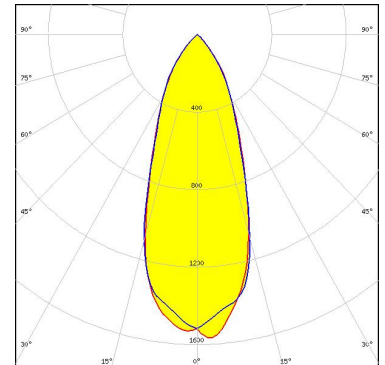


LED Soleriq S15
FWHM / FWTM 38.0° / 79.0°
Efficiency 85 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1



[Light distribution files](#)

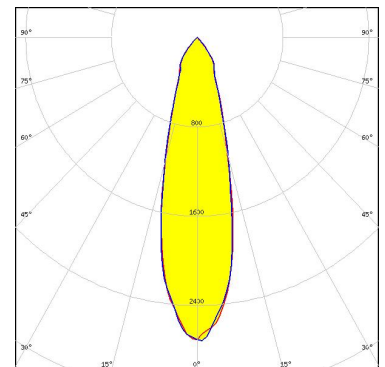


LED Soleriq S9
FWHM / FWTM 27.0° / 68.0°
Efficiency 91 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET

Bender Wirth: 433 Typ L1



[Light distribution files](#)

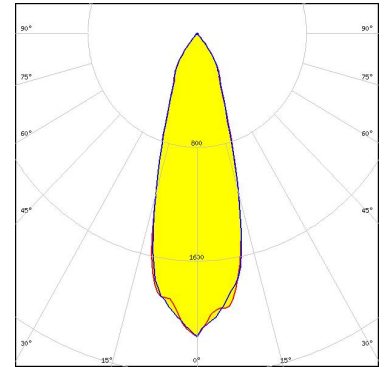
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM / FWTM 32.0° / 70.0°
Efficiency 85 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET
C13333_MIRELLA-CL



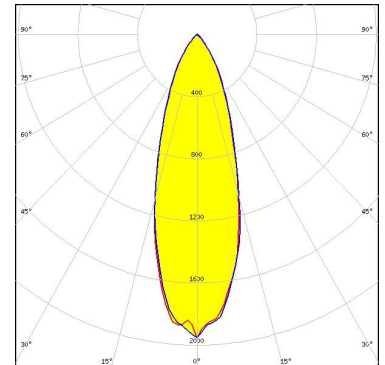
Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM / FWTM 32.0° / 70.0°
Efficiency 86 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET
C13723_MIRELLA-RZL



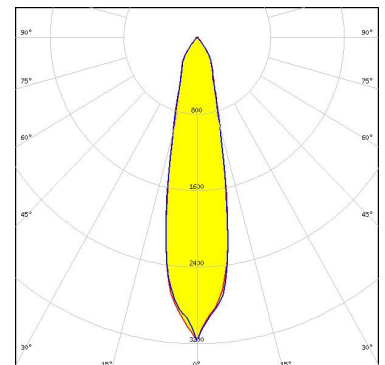
Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM / FWTM 23.0° / 60.0°
Efficiency 88 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18



Light distribution files

Bender Wirth: 434 Typ L1

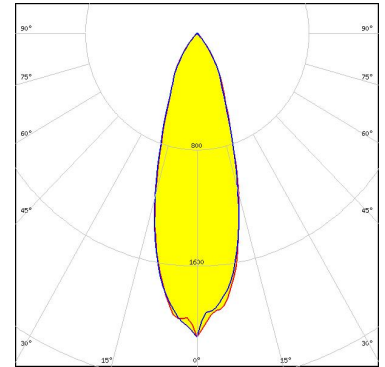
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM / FWTM 32.0° / 69.0°
Efficiency 85 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13083_PF-SOCKET
C12479_MIRELLA-DL



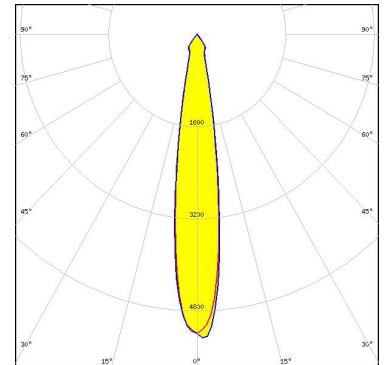
Light distribution files

SAMSUNG

LED LC010C
FWHM / FWTM 17.0° / 35.0°
Efficiency 87 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18



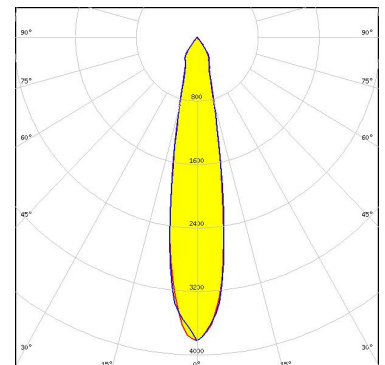
Light distribution files

SAMSUNG

LED LC020C
FWHM / FWTM 20.0° / 48.0°
Efficiency 86 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18



Light distribution files

OPTICAL RESULTS (SIMULATED):

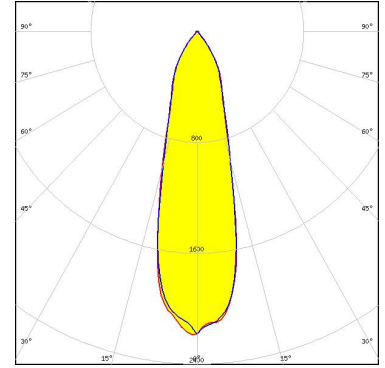
SAMSUNG

LED LC040C
FWHM / FWTM 28.0° / 70.0°
Efficiency 84 %
Peak intensity 2.2 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



LED ZC4/6
FWHM / FWTM 26.0° / 69.0°
Efficiency 84 %
Peak intensity 2.5 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 28.0° / 68.0°
Efficiency 79 %
Peak intensity 2.1 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

OPTICAL RESULTS (SIMULATED):

 SEOL SEMICONDUCTOR	
LED	ZC4/6
FWHM / FWTM	33.0° / 70.0°
Efficiency	76 %
Peak intensity	1.6 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	

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.

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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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