

MIRELLA-50-S-PF

~15° spot beam

SPECIFICATION:

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

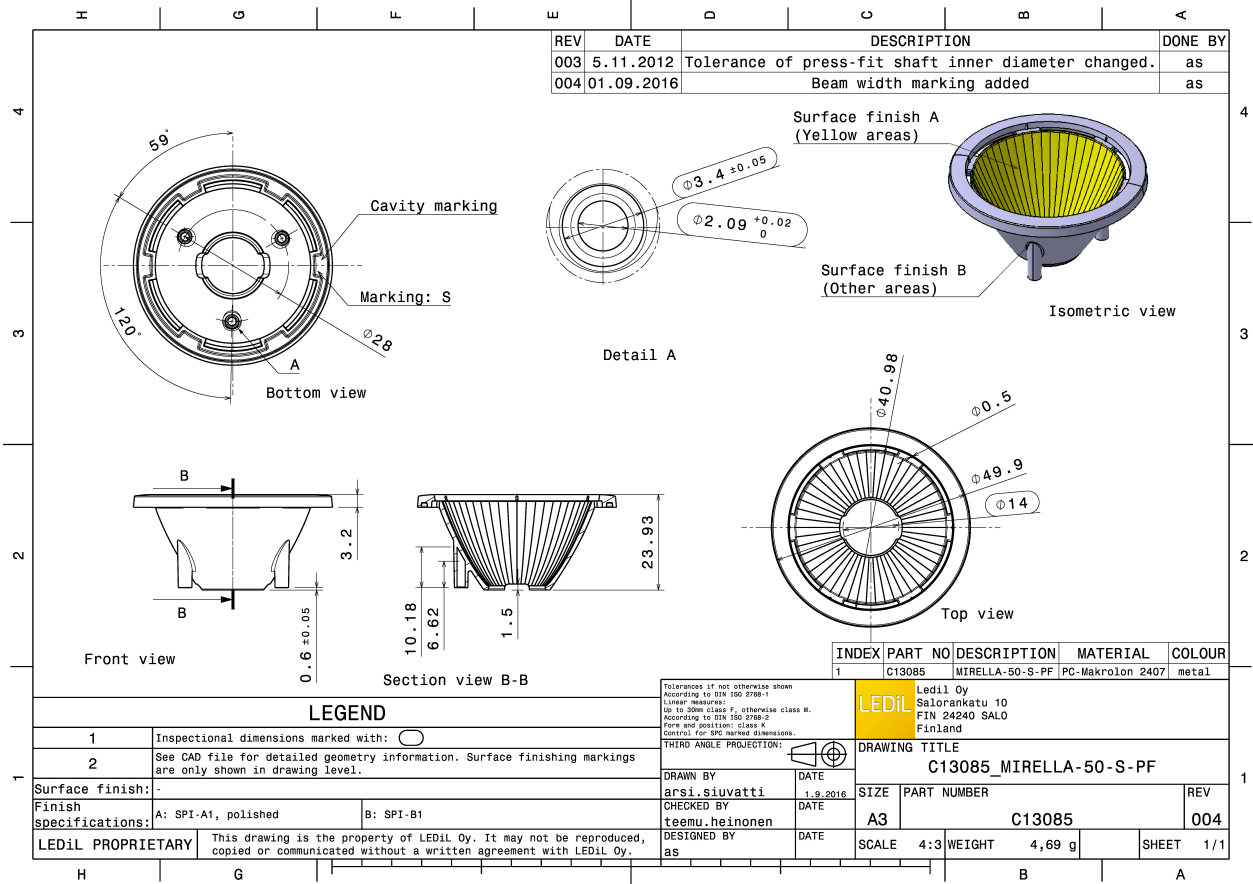
MATERIALS:

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

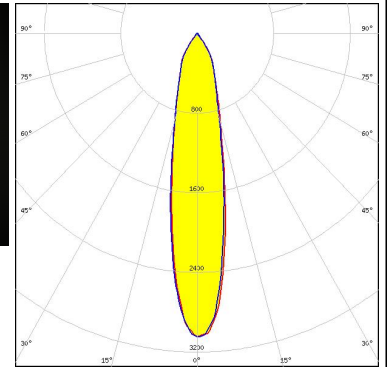
OPTICAL RESULTS (MEASURED):

bridgelux

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



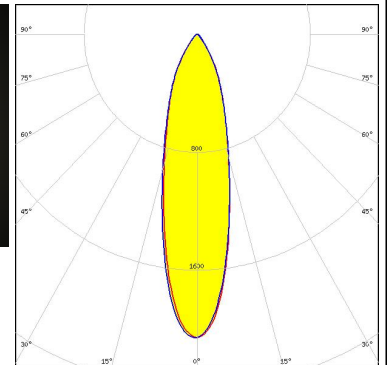
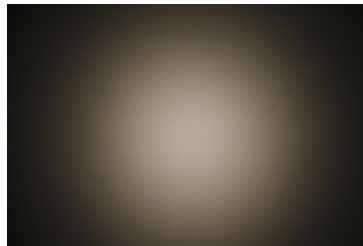
Light distribution files

bridgelux

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



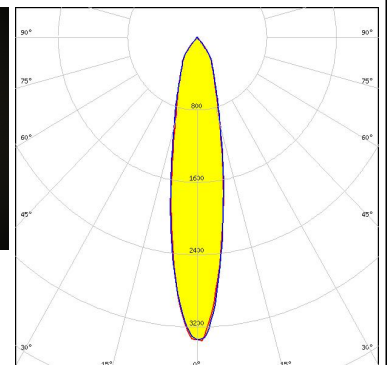
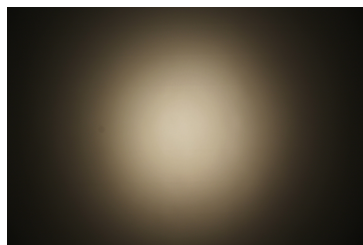
Light distribution files

bridgelux

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

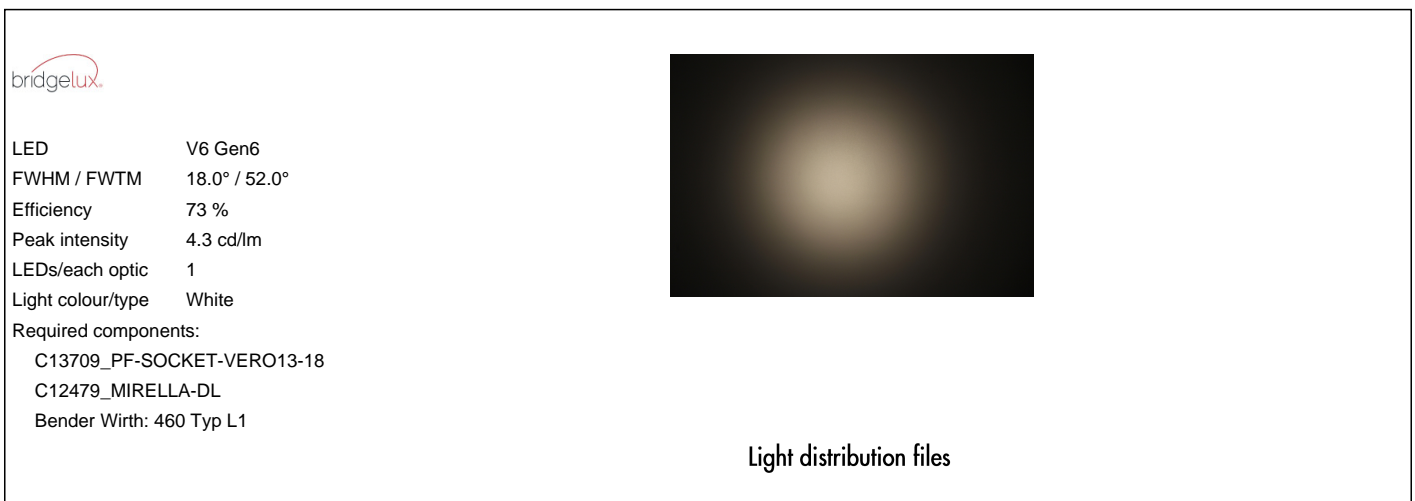
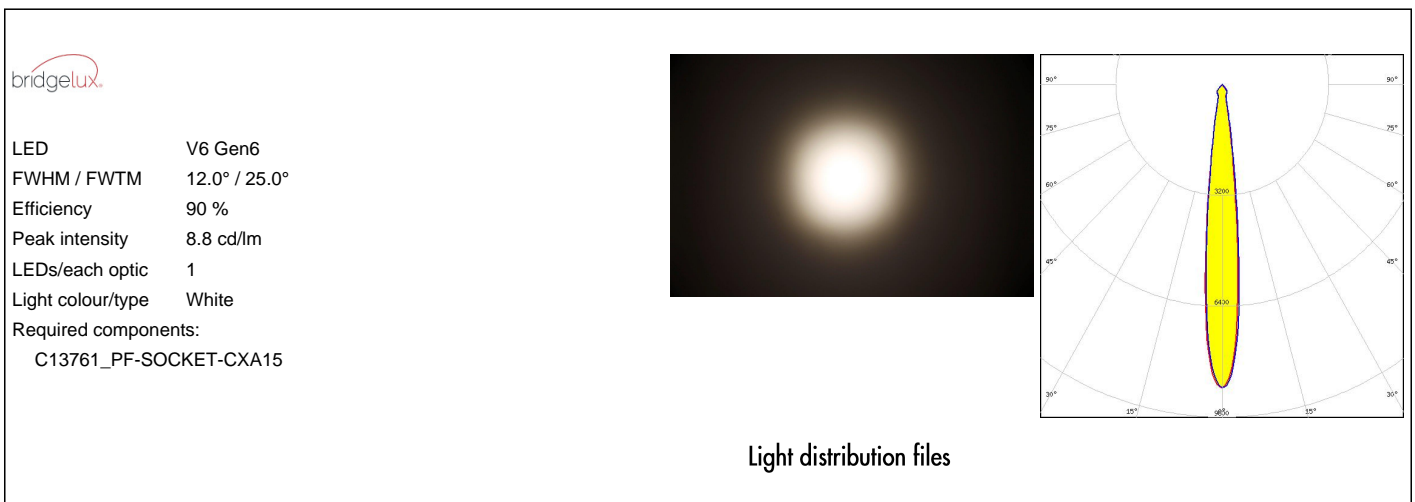
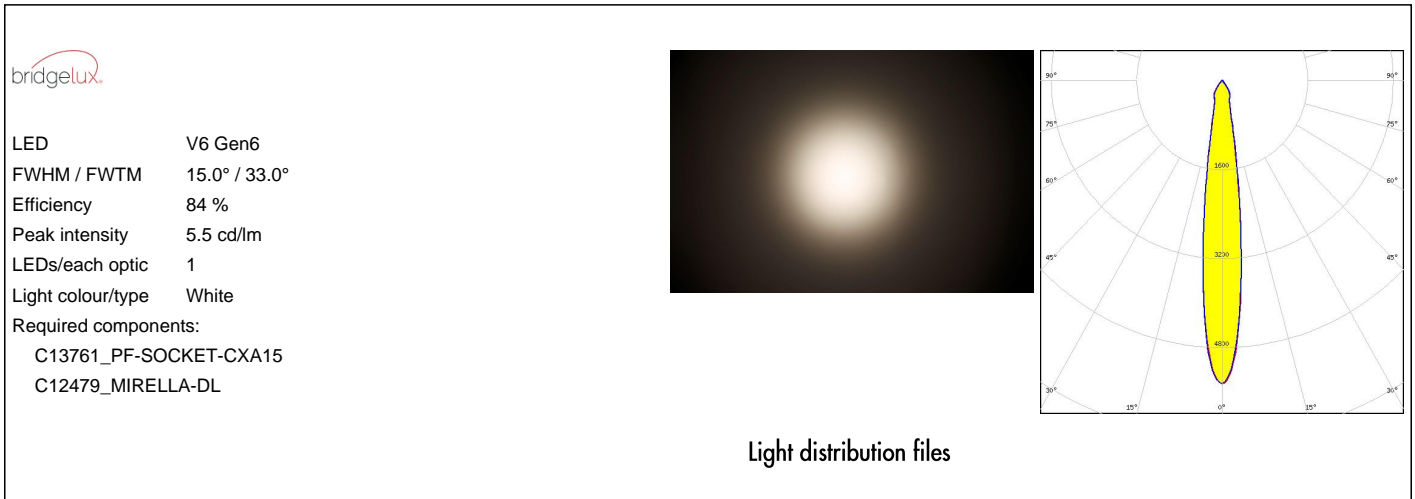
Required components:

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

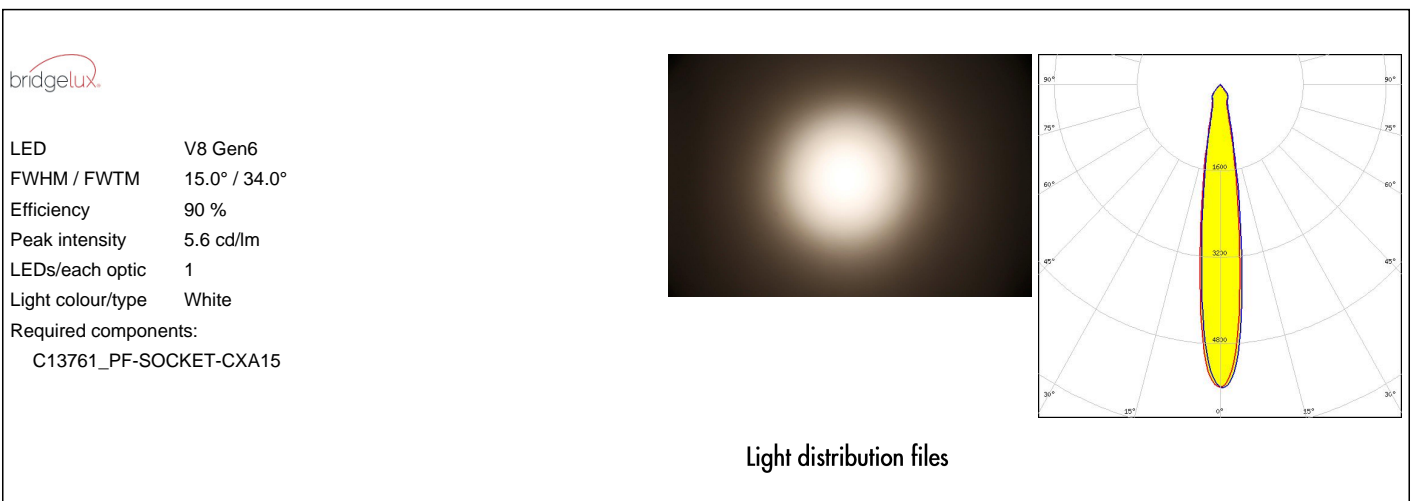
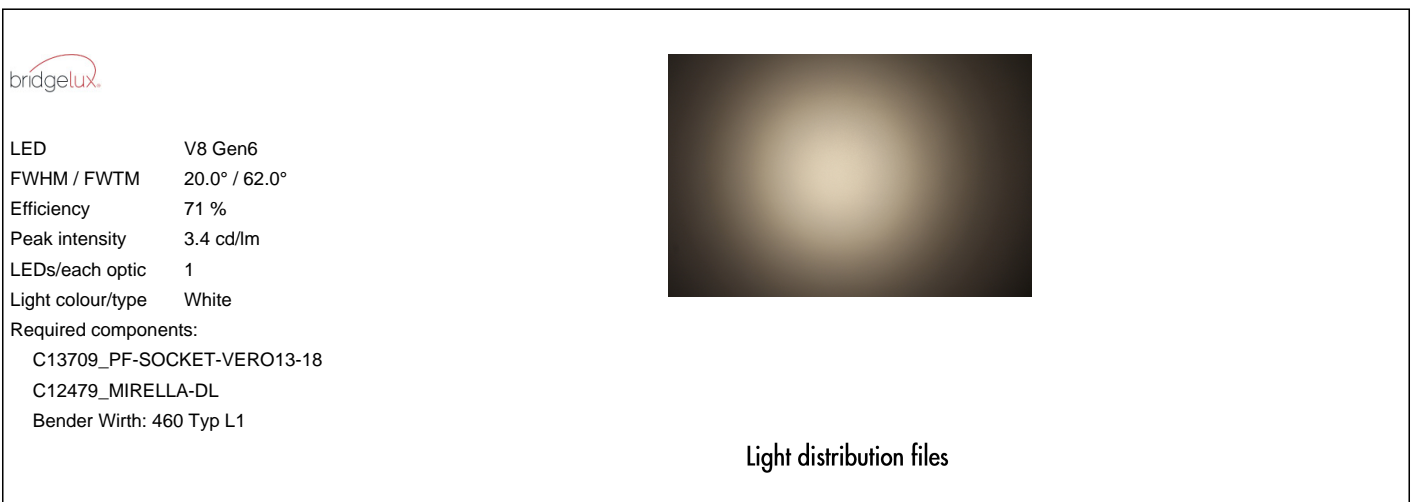
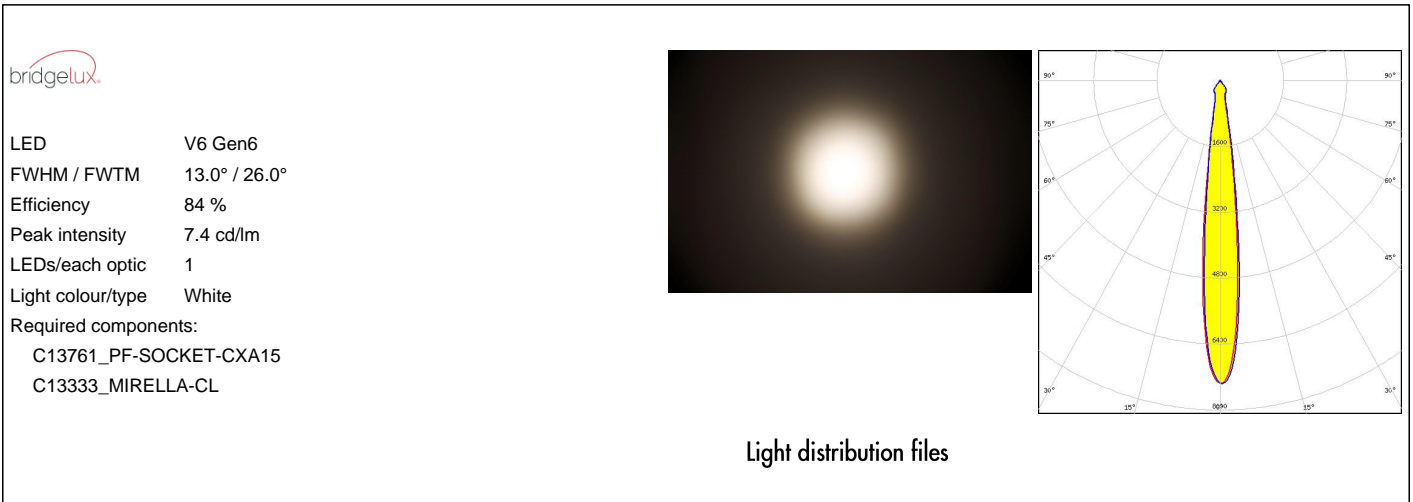


Light distribution files

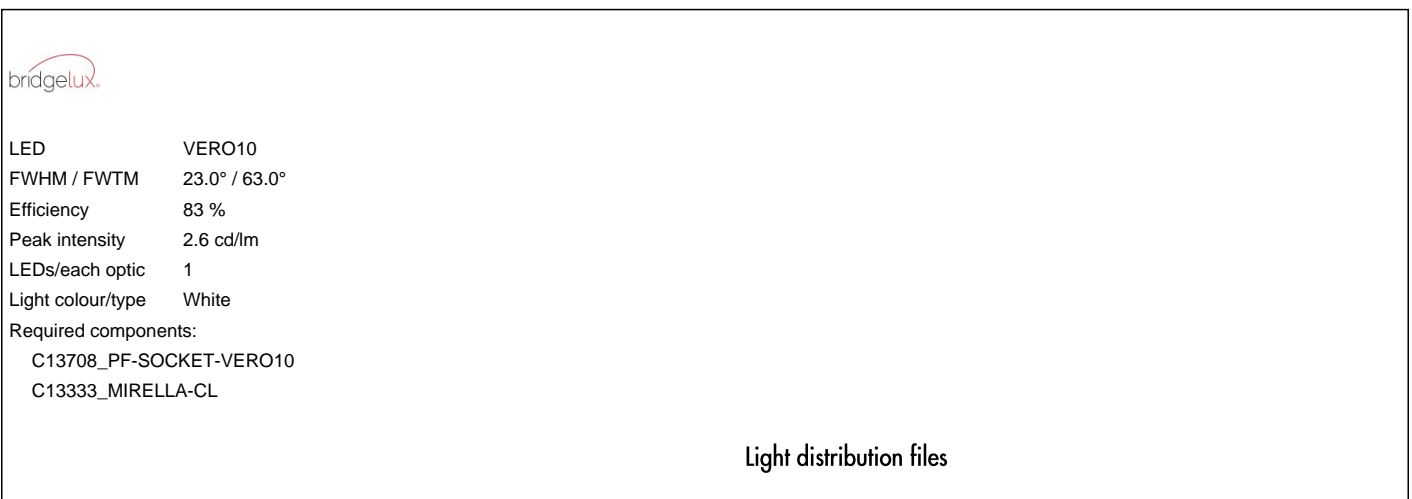
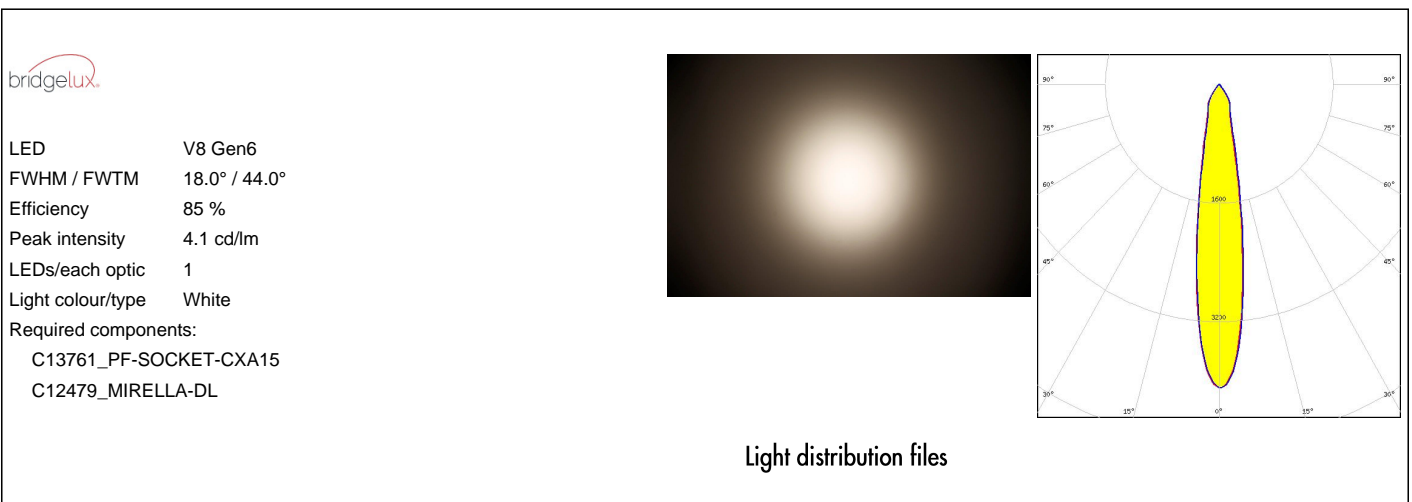
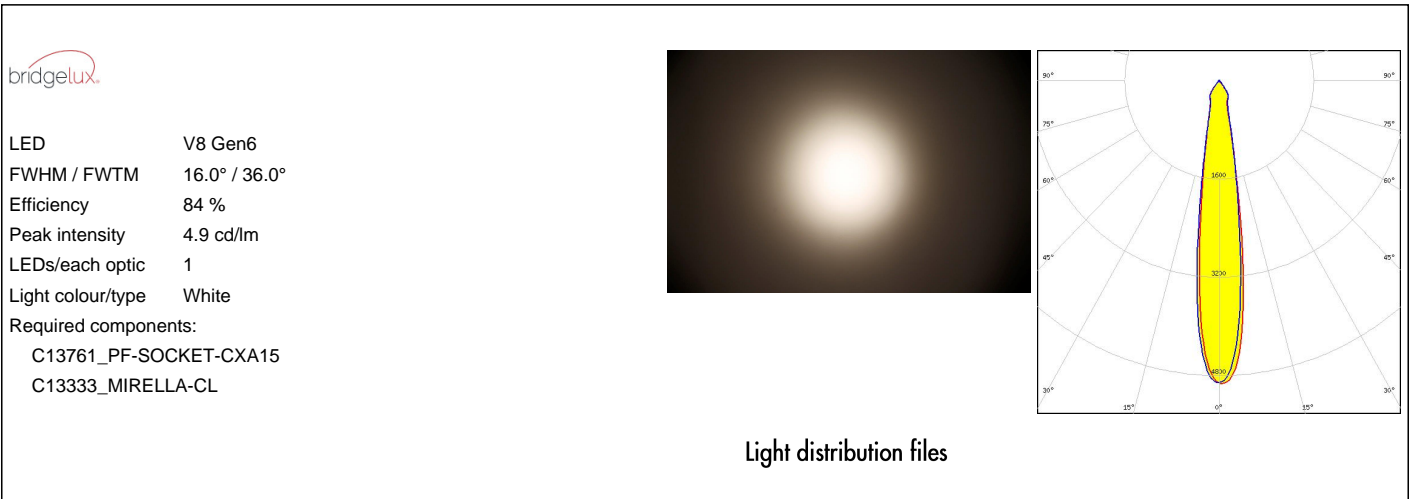
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):



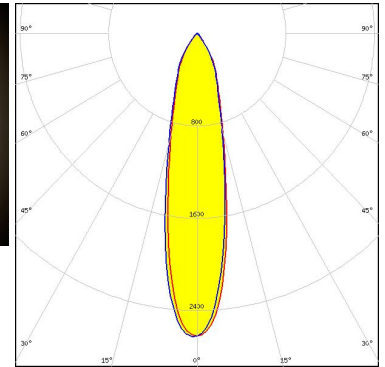
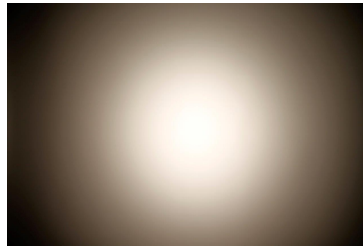
OPTICAL RESULTS (MEASURED):



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



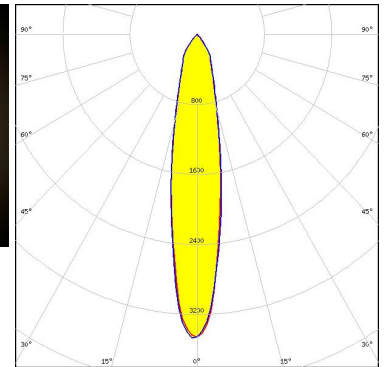
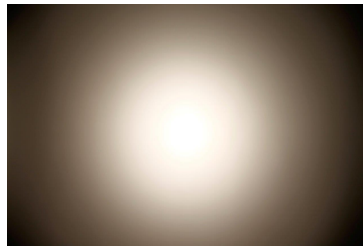
Light distribution files



LED 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



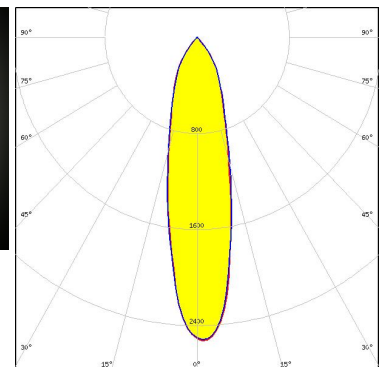
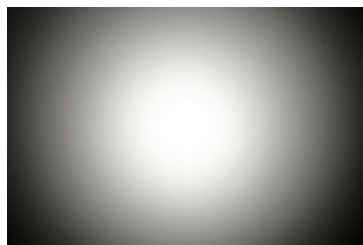
Light distribution files



LED 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

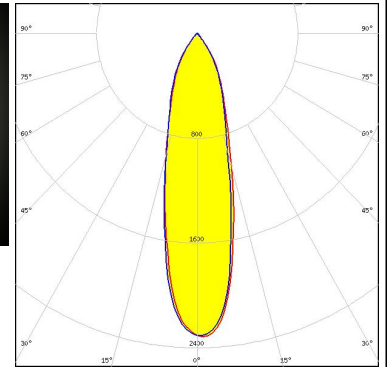
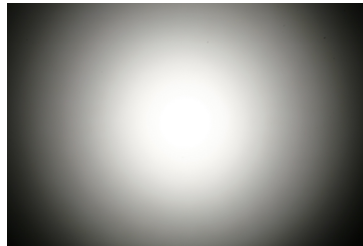
OPTICAL RESULTS (MEASURED):



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



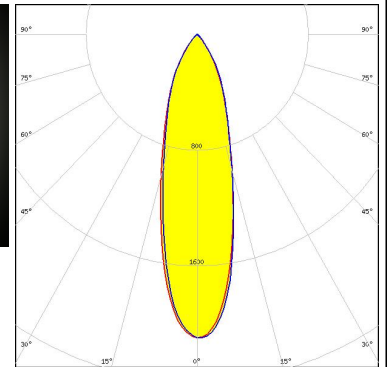
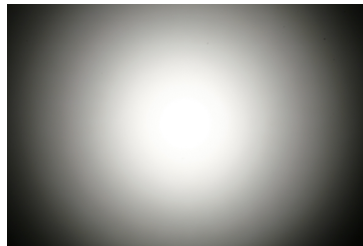
Light distribution files



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



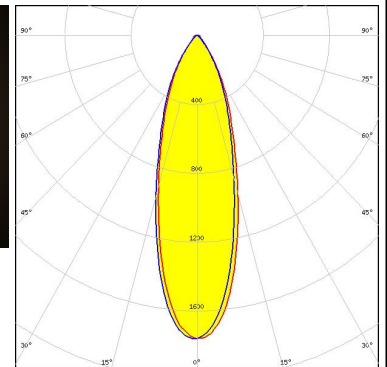
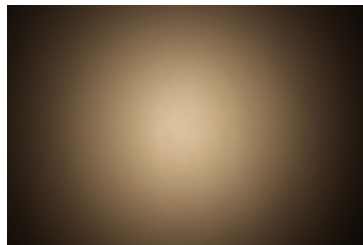
Light distribution files



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

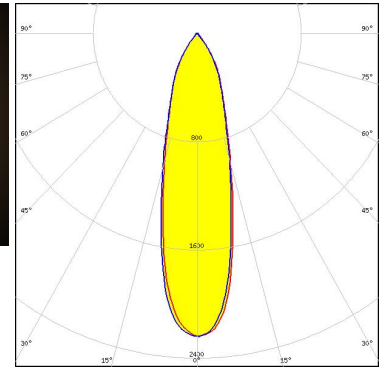
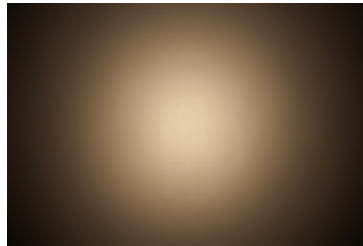


Light distribution files

OPTICAL RESULTS (MEASURED):



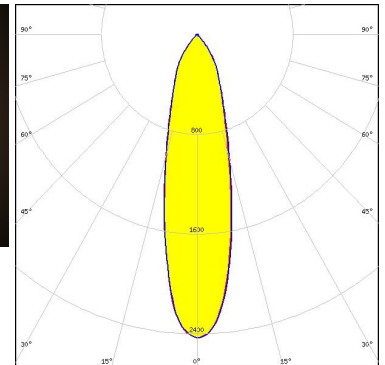
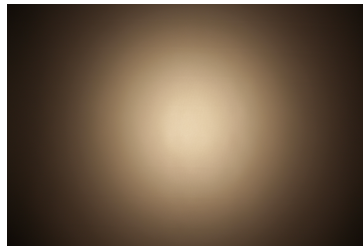
LED Xenio Point 13mm
FWHM / FWTM 27.0° / 67.0°
Efficiency 83 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL



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

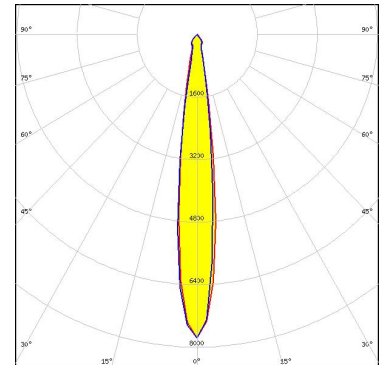
LED CLL01x
FWHM / FWTM 15.0° / 32.0°
Efficiency 84 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



Light distribution files

CITIZEN

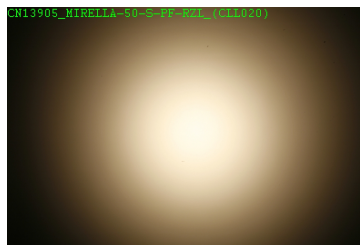
LED LLL01x
FWHM / FWTM 14.0° / 27.0°
Efficiency 88 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET



Light distribution files

CITIZEN

LED CLL02x/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



OPTICAL RESULTS (MEASURED):

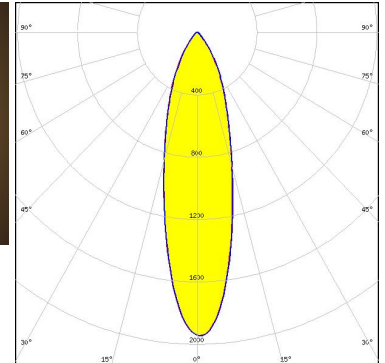
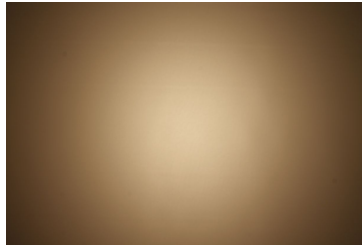
CITIZEN

LED CLL02x/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



CITIZEN

LED CLL02x/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 CLL02x/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



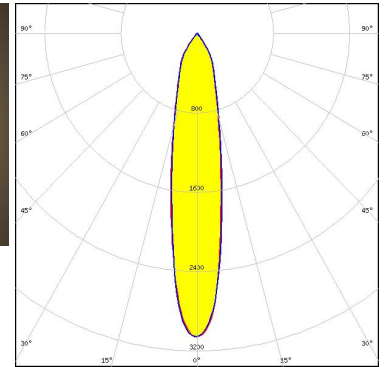
OPTICAL RESULTS (MEASURED):

CITIZEN

LED CLL02x/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



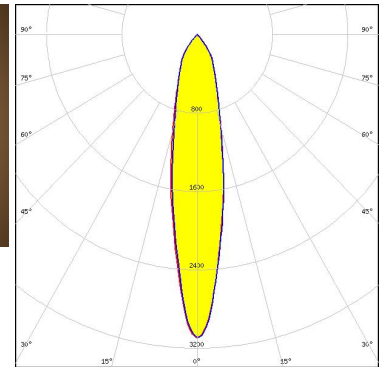
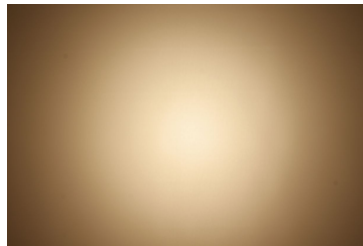
Light distribution files

CITIZEN

LED CLL02x/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



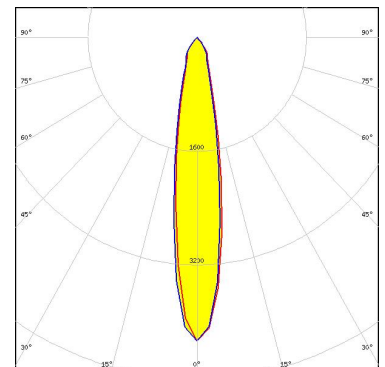
Light distribution files

CITIZEN

LED CLL02x/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

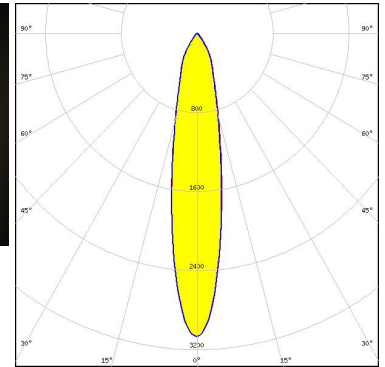
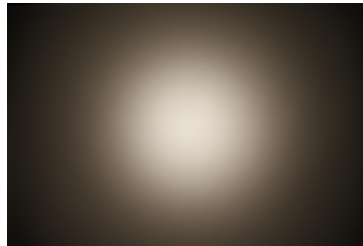


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

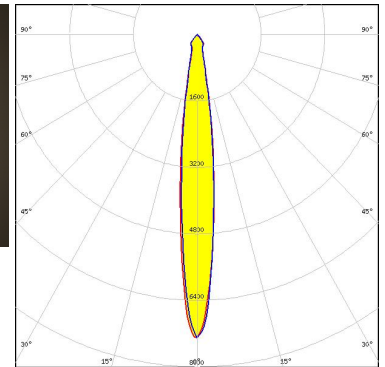
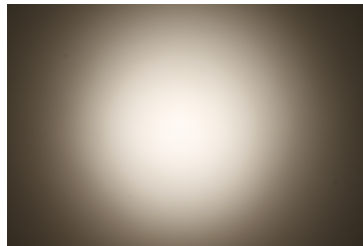
LED CLU700/701/702/703
 FWHM / FWTM 20.0° / 58.0°
 Efficiency 79 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 434 Typ L1



Light distribution files

CITIZEN

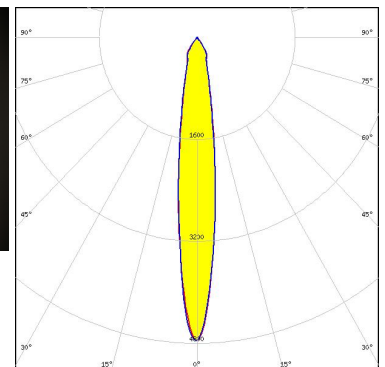
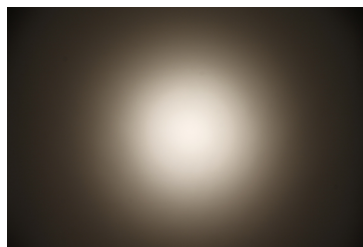
LED CLU700/701/702/703
 FWHM / FWTM 13.0° / 29.0°
 Efficiency 89 %
 Peak intensity 7.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET



Light distribution files

CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 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

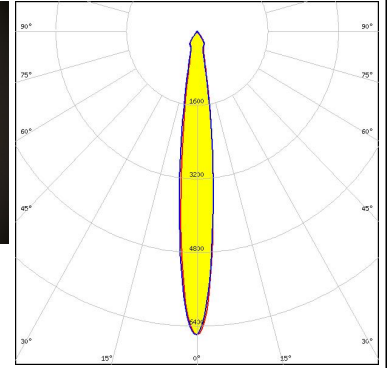


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

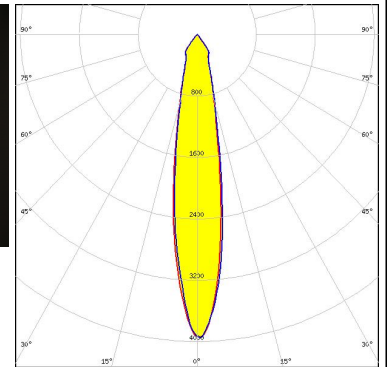
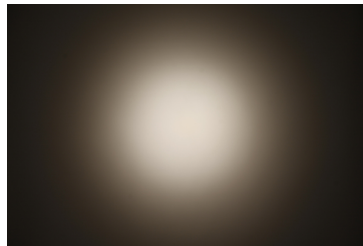
LED CLU700/701/702/703
 FWHM / FWTM 13.0° / 30.0°
 Efficiency 83 %
 Peak intensity 6.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



Light distribution files

CITIZEN

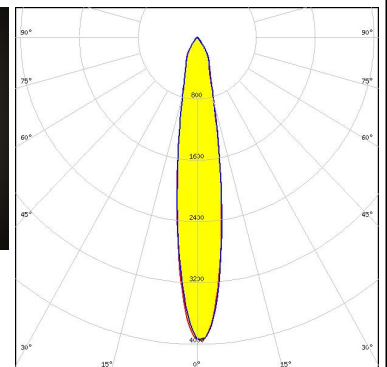
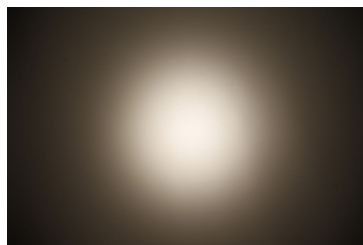
LED CLU700/701/702/703
 FWHM / FWTM 19.0° / 47.0°
 Efficiency 84 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1



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

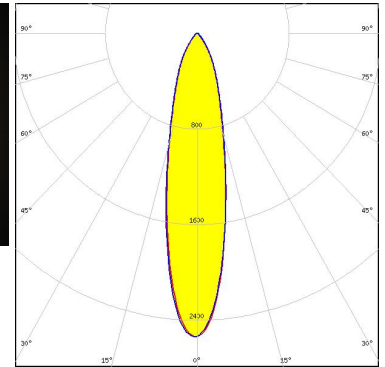


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

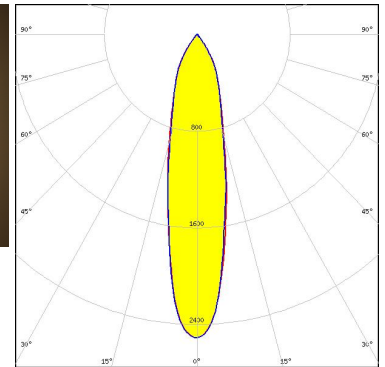
LED CLU700/701/702/703
FWHM / FWTM 23.0° / 61.0°
Efficiency 82 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



Light distribution files

CITIZEN

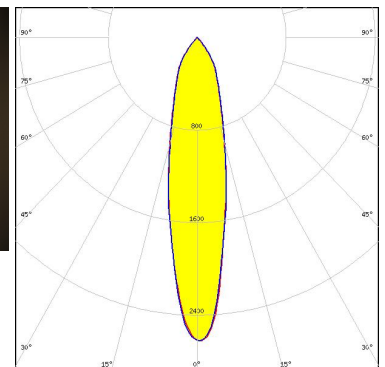
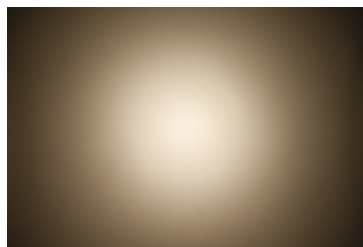
LED CLU720/721/723
FWHM / FWTM 23.0° / 64.0°
Efficiency 77 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 433 Typ L1



Light distribution files

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

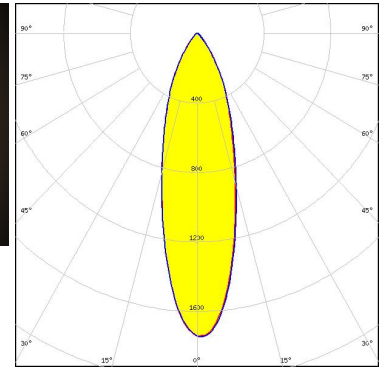


Light distribution files

OPTICAL RESULTS (MEASURED):

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



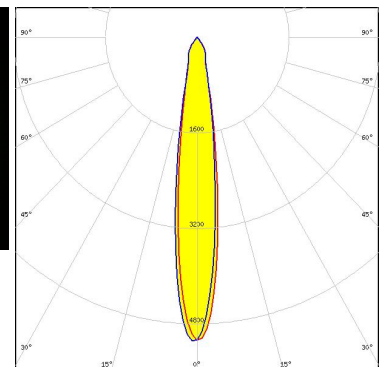
Light distribution files



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



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

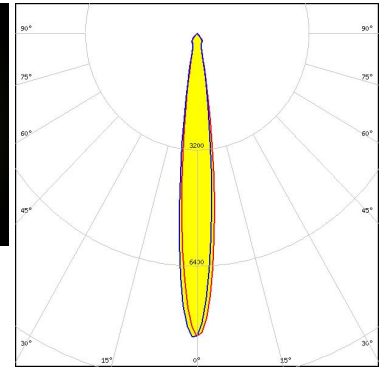


Light distribution files

OPTICAL RESULTS (MEASURED):



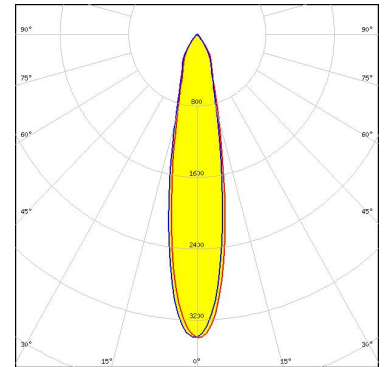
LED CXA/B 13xx
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 87 %
 Peak intensity 9.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15



Light distribution files



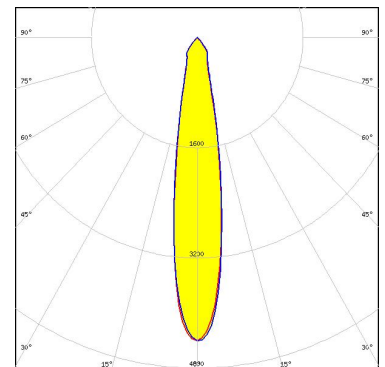
LED CXA/B 15xx
 FWHM / FWTM 21.0° / 56.0°
 Efficiency 87 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



Light distribution files



LED CXA/B 15xx
 FWHM / FWTM 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

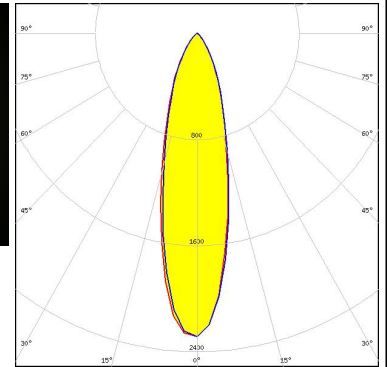
OPTICAL RESULTS (MEASURED):



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



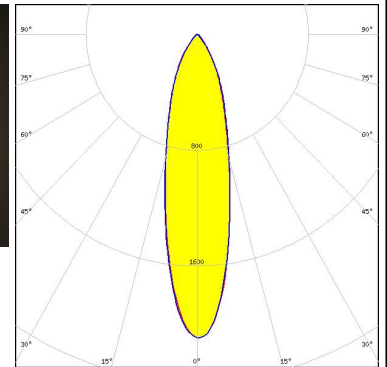
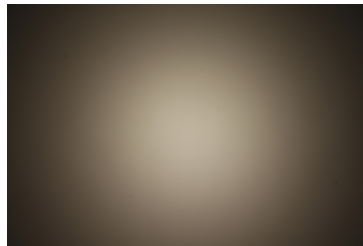
Light distribution files



LED CXA/B 15xx
 FWHM / FWTM 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



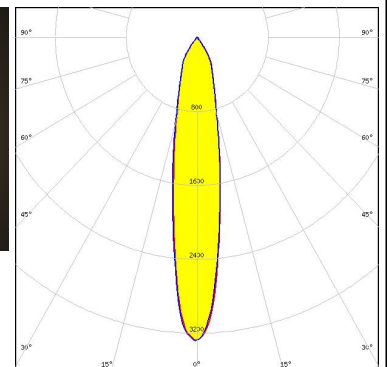
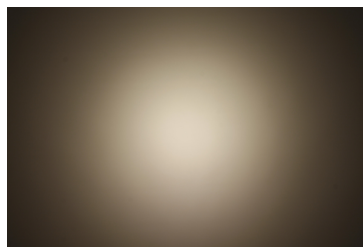
Light distribution files



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

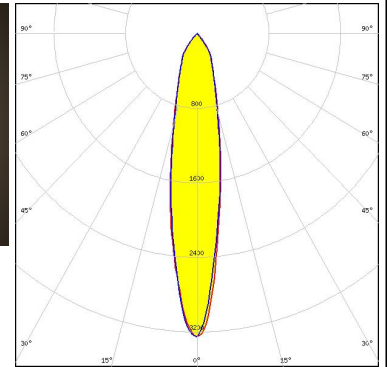
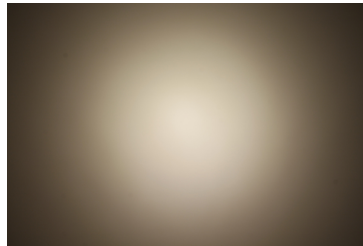
OPTICAL RESULTS (MEASURED):



LED CXA/B 15xx
 FWHM / FWTM 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 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:

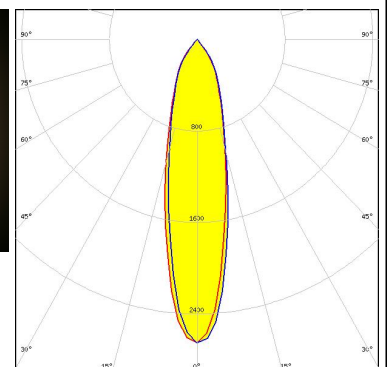
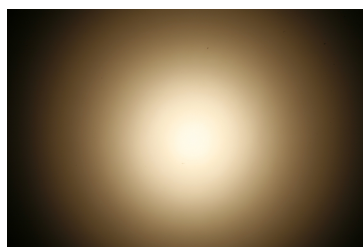
C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



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

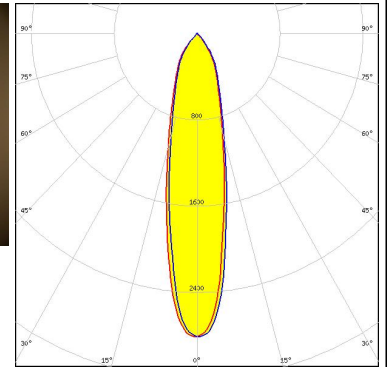
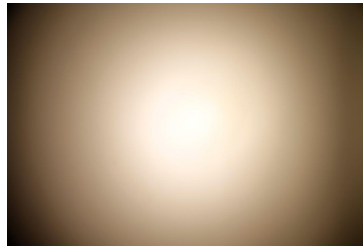


Light distribution files

OPTICAL RESULTS (MEASURED):



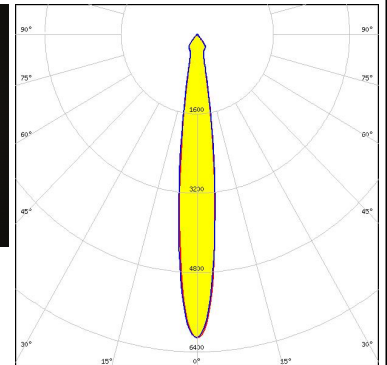
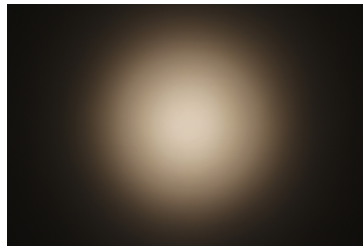
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 23.0° / 67.0°
 Efficiency 89 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2101CR + 50-2100MR



Light distribution files



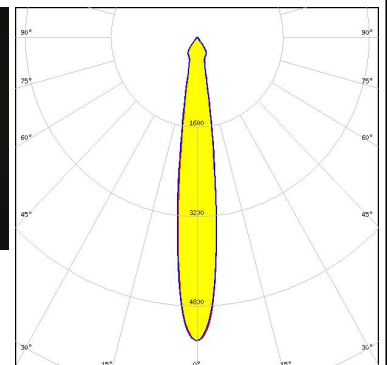
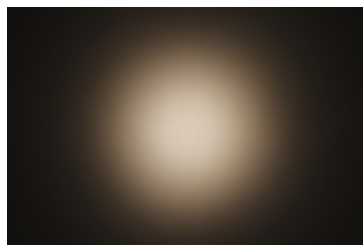
LED MHD-E/G
 FWHM / FWTM 14.0° / 31.0°
 Efficiency 93 %
 Peak intensity 6.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET



Light distribution files



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

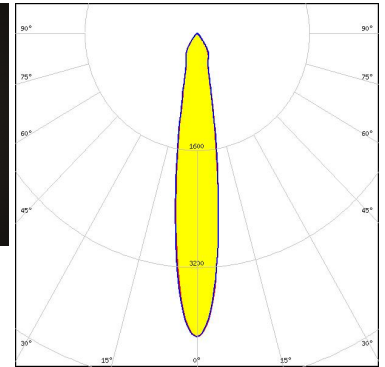
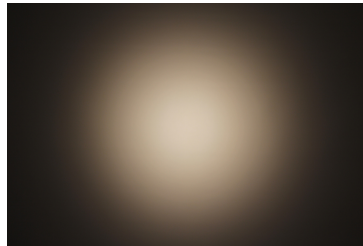


Light distribution files

OPTICAL RESULTS (MEASURED):



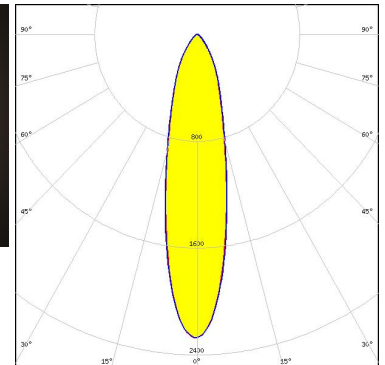
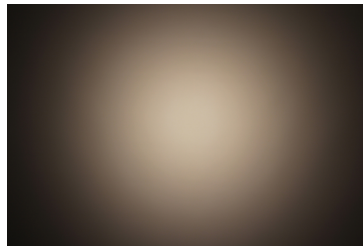
LED MHD-E/G
FWHM / FWTM 17.0° / 44.0°
Efficiency 87 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files



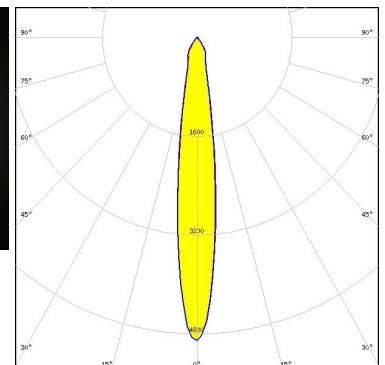
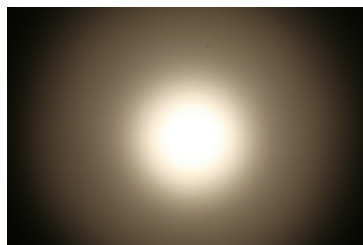
LED MHD-E/G
FWHM / FWTM 24.0° / 65.0°
Efficiency 84 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



LED 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

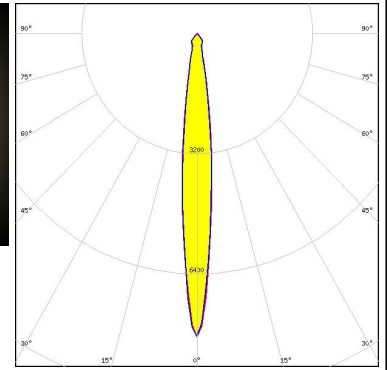


Light distribution files

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



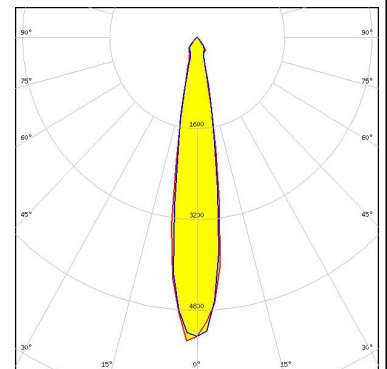
LED MT-G
FWHM / FWTM 19.0° / 46.0°
Efficiency 85 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



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):



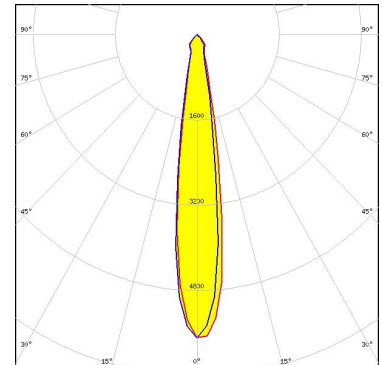
LED MT-G
FWHM / FWTM 18.0° / 34.0°
Efficiency 86 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



Light distribution files



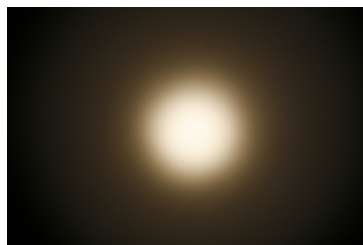
LED MT-G2
FWHM / FWTM 18.0° / 35.0°
Efficiency 88 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET



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):



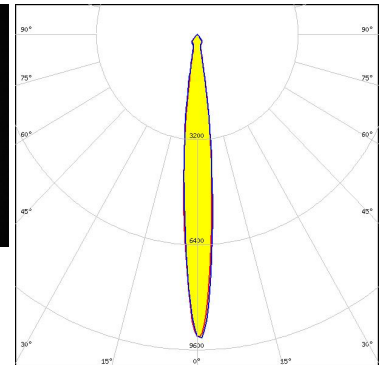
LED MT-G2
FWHM / FWTM 18.0° / 43.0°
Efficiency 85 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files



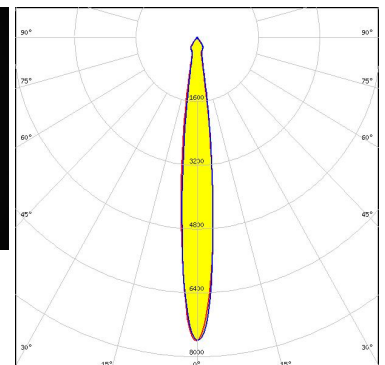
LED XHP50
FWHM / FWTM 11.0° / 23.0°
Efficiency 89 %
Peak intensity 9.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET



Light distribution files



LED 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

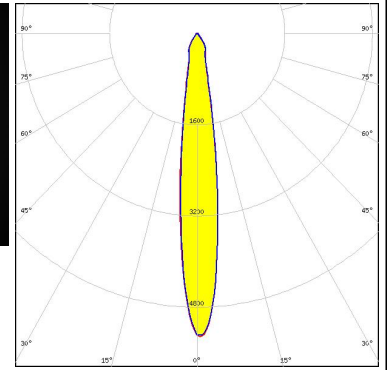


Light distribution files

OPTICAL RESULTS (MEASURED):



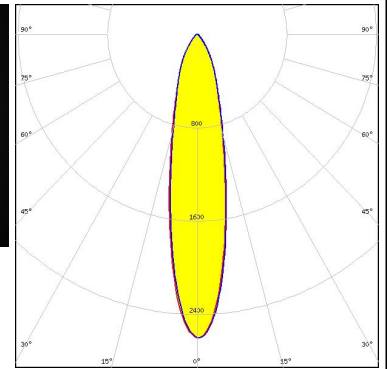
LED XHP50
FWHM / FWTM 15.0° / 34.0°
Efficiency 85 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files



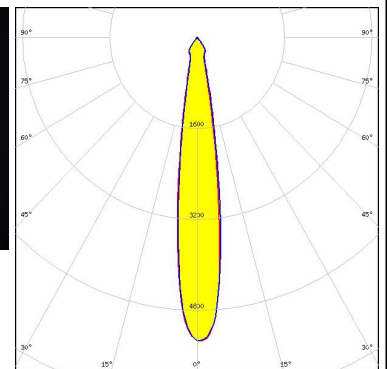
LED XHP50
FWHM / FWTM 22.0° / 60.0°
Efficiency 81 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



LED 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

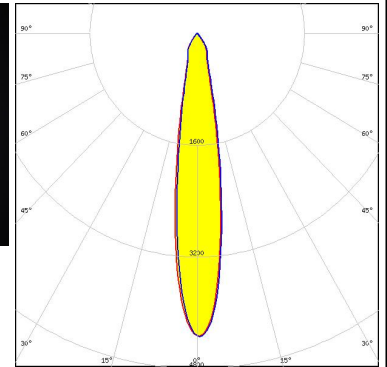


Light distribution files

OPTICAL RESULTS (MEASURED):



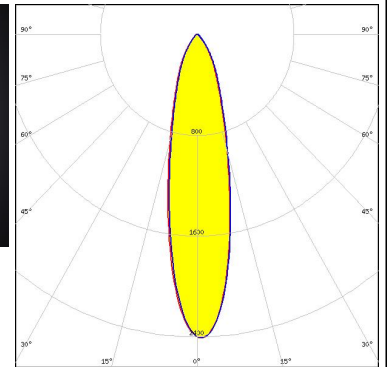
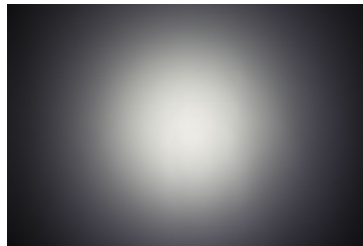
LED XHP70
FWHM / FWTM 17.0° / 40.0°
Efficiency 84 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files



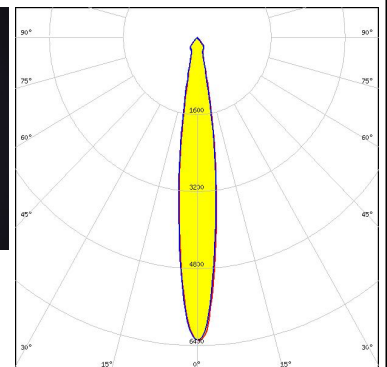
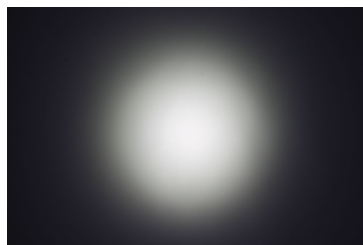
LED XHP70
FWHM / FWTM 24.0° / 62.0°
Efficiency 81 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



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

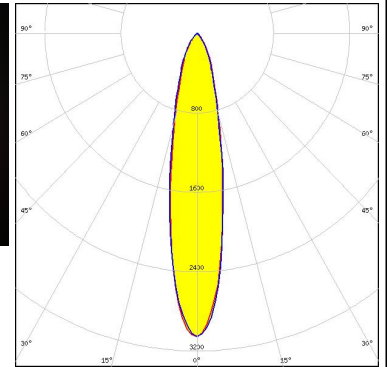
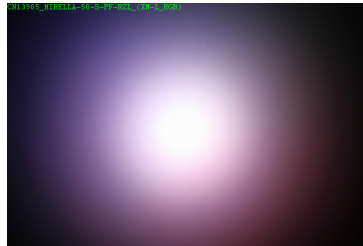


Light distribution files

OPTICAL RESULTS (MEASURED):



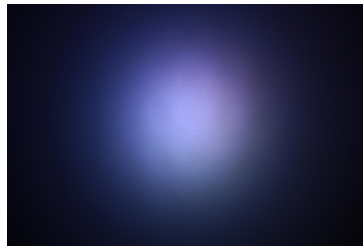
LED XM-L RGBW (XMLCTW)
 FWHM / FWTM 22.0° / 55.0°
 Efficiency 80 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files



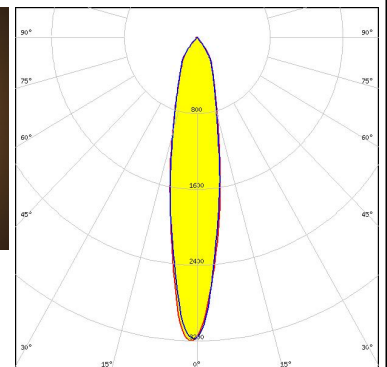
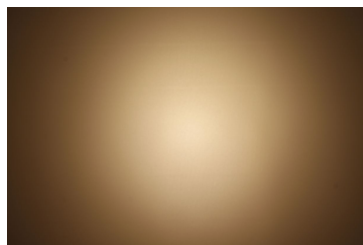
LED XQ-E HI
 FWHM / FWTM 21.0° / 58.0°
 Efficiency 86 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



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

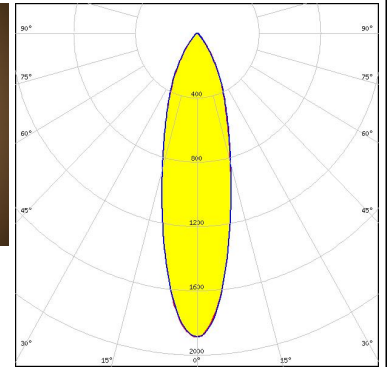
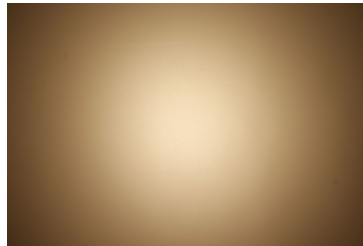


Light distribution files

OPTICAL RESULTS (MEASURED):



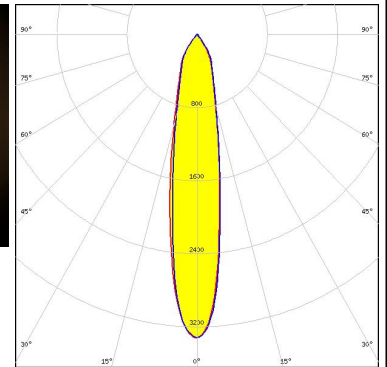
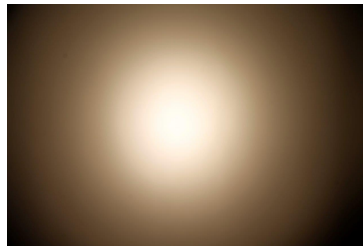
LED LUXEON CoB 1202/1203
FWHM / FWTM 27.0° / 67.0°
Efficiency 76 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



Light distribution files



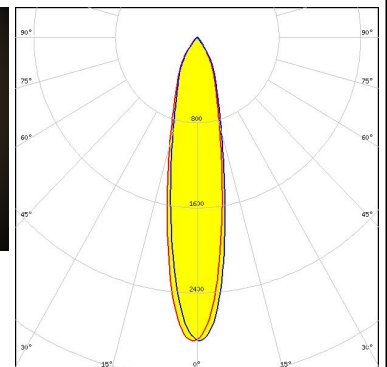
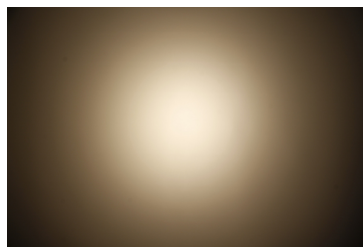
LED LUXEON CoB 1202/1203
FWHM / FWTM 19.0° / 59.0°
Efficiency 82 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



Light distribution files



LED LUXEON CoB 1202/1203
FWHM / FWTM 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

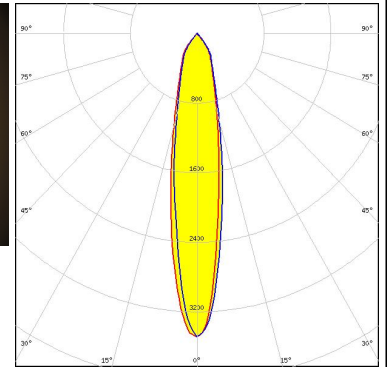
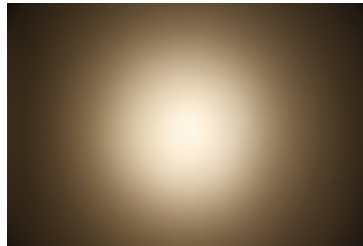


Light distribution files

OPTICAL RESULTS (MEASURED):



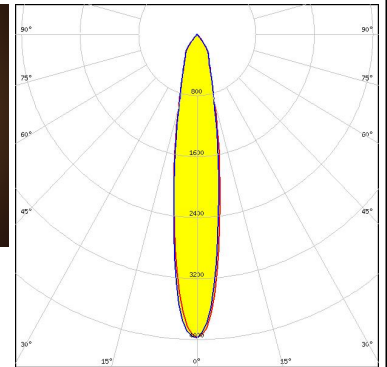
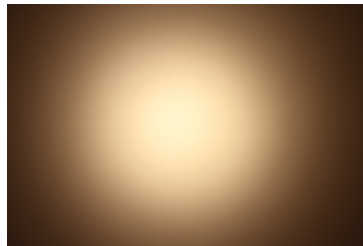
LED LUXEON CoB 1202/1203
 FWHM / FWTM 19.0° / 58.0°
 Efficiency 88 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2100NC +50-2100MR



Light distribution files



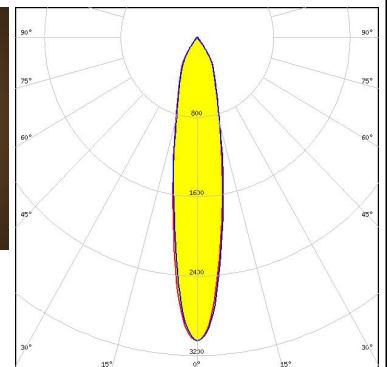
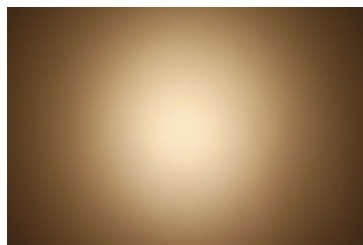
LED LUXEON CoB 1202/1203
 FWHM / FWTM 19.0° / 50.0°
 Efficiency 87 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14037_PF-NSX-SOCKET



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 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



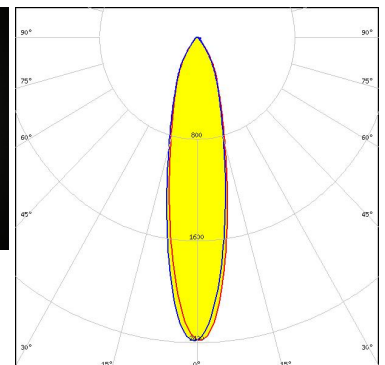
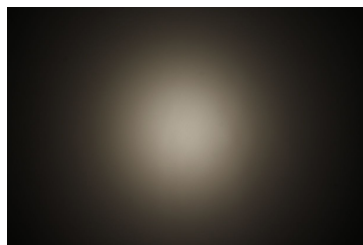
LED LUXEON CoB 1202s
FWHM / FWTM 13.0° / 30.0°
Efficiency 89 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13761_PF-SOCKET-CXA15



Light distribution files



LED LUXEON 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):



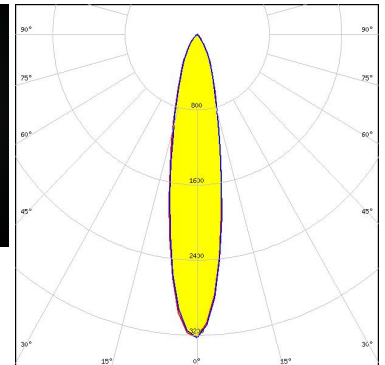
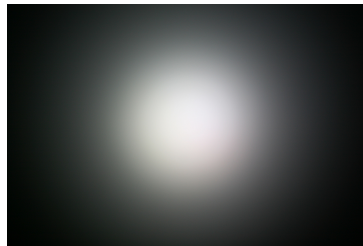
LED LUXEON CoB 1202s
FWHM / FWTM 13.0° / 28.0°
Efficiency 84 %
Peak intensity 7.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13761_PF-SOCKET-CXA15
C13333_MIRELLA-CL



Light distribution files



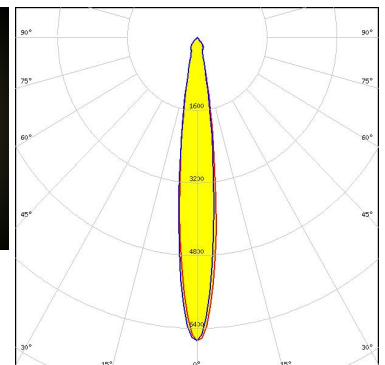
LED LUXEON Z
FWHM / FWTM 21.0° / 54.0°
Efficiency 78 %
Peak intensity 3.2 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



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

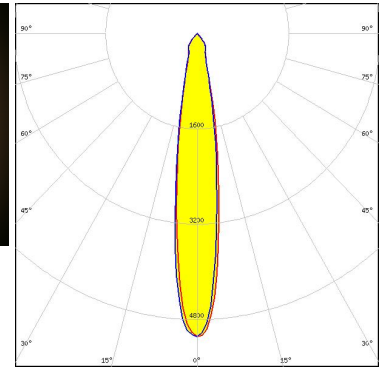


Light distribution files

OPTICAL RESULTS (MEASURED):



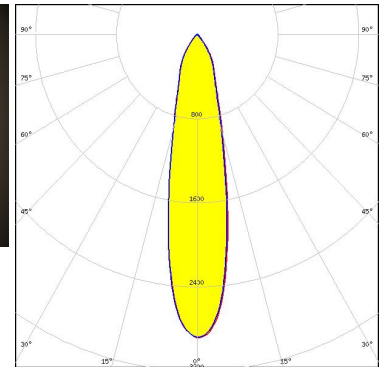
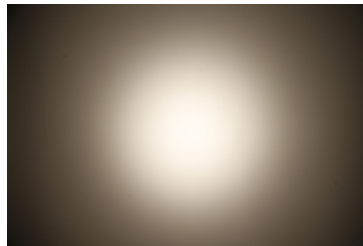
LED CXM-7 (13x13)
FWHM / FWTM 17.0° / 38.0°
Efficiency 87 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET



Light distribution files



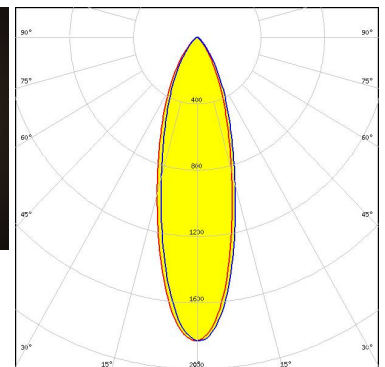
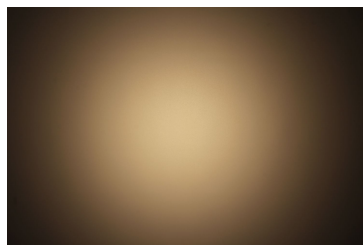
LED CxM-9 (13.5x13.5)
FWHM / FWTM 23.0° / 61.0°
Efficiency 86 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



Light distribution files



LED CxM-9 (13.5x13.5)
FWHM / FWTM 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

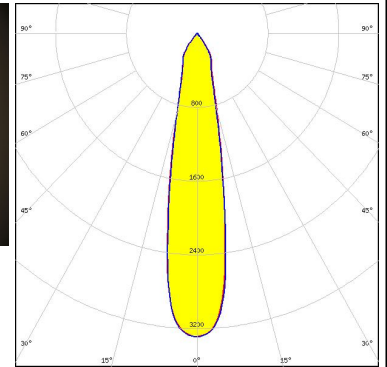


Light distribution files

OPTICAL RESULTS (MEASURED):



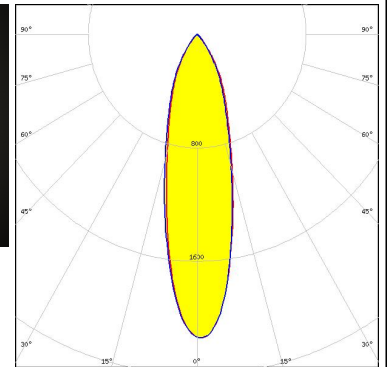
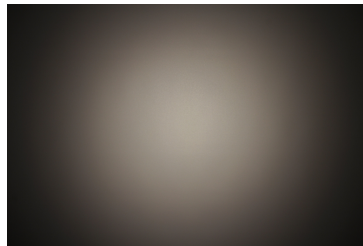
LED CxM-9 (13.5x13.5)
 FWHM / FWTM 21.0° / 58.0°
 Efficiency 85 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



Light distribution files



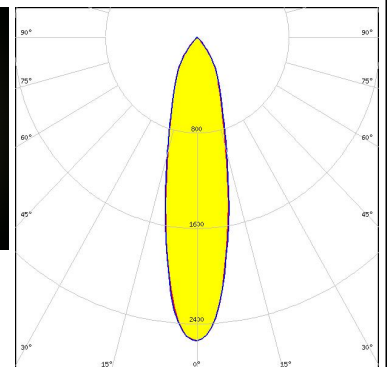
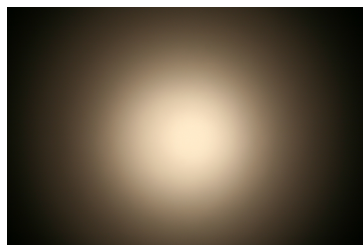
LED COB L-Type (LES 11)
 FWHM / FWTM 26.0° / 67.0°
 Efficiency 80 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



Light distribution files



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

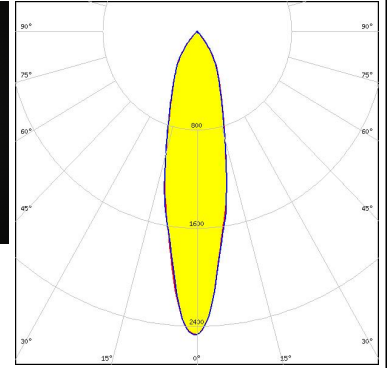


Light distribution files

OPTICAL RESULTS (MEASURED):



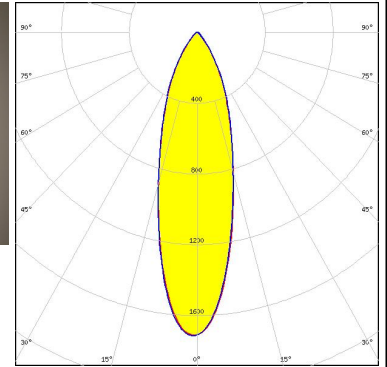
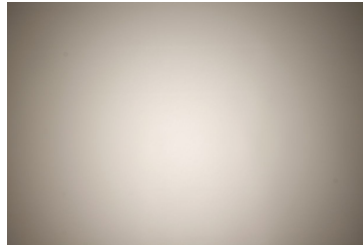
LED COB L-Type (LES 11)
 FWHM / FWTM 25.0° / 68.0°
 Efficiency 83 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2100NC +50-2100MR



Light distribution files



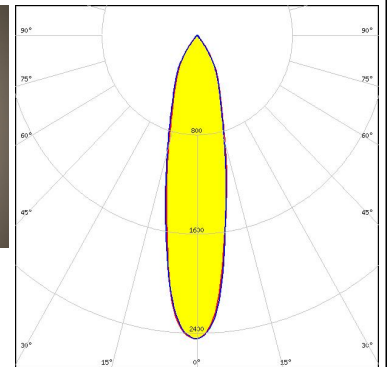
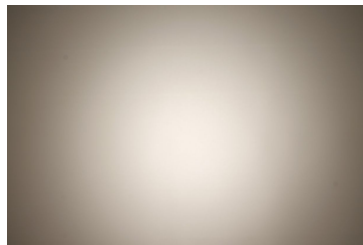
LED COB L-Type (LES 11)
 FWHM / FWTM 30.0° / 70.0°
 Efficiency 76 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



Light distribution files

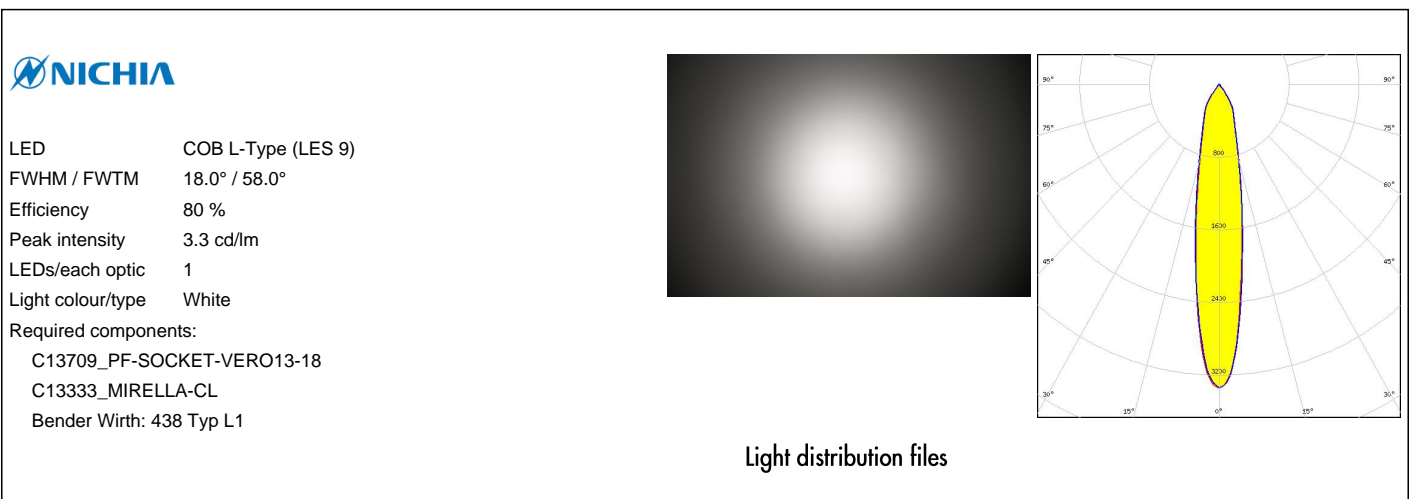
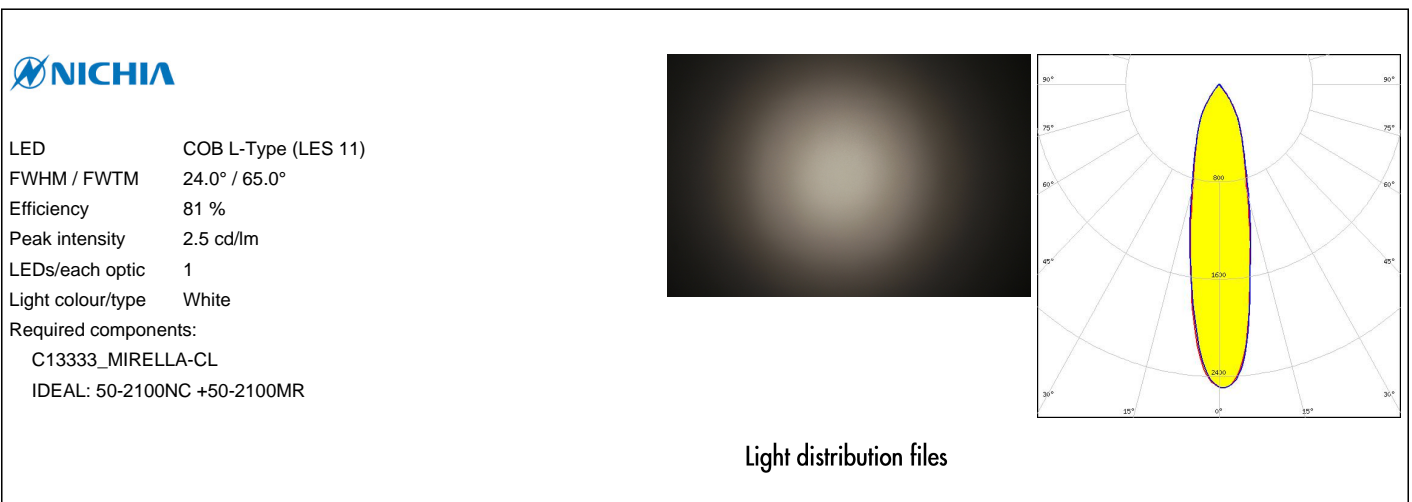
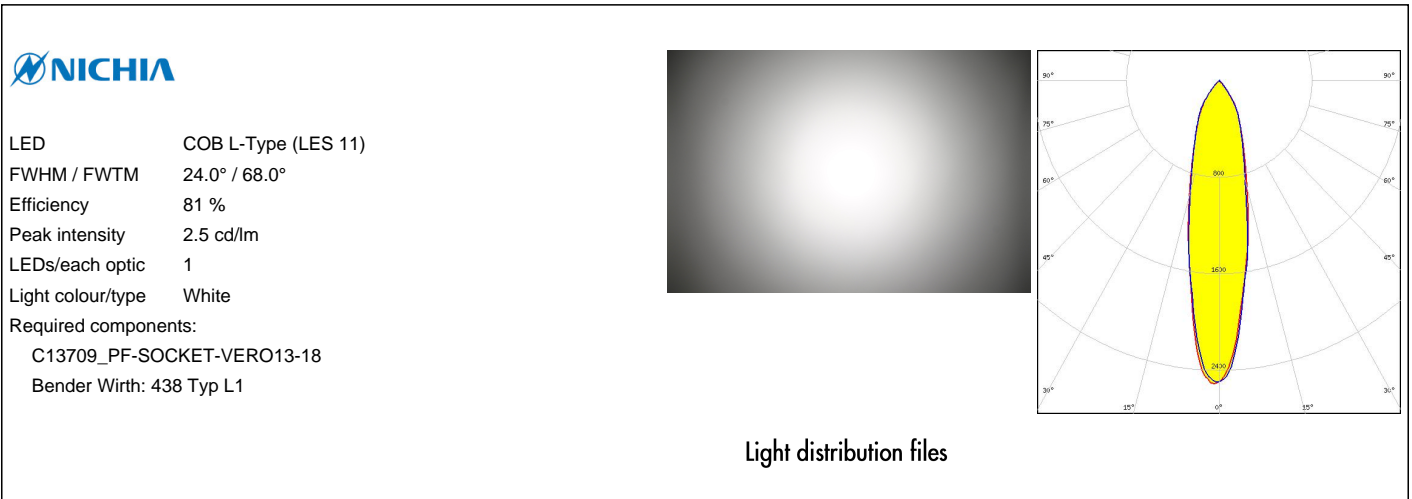


LED COB L-Type (LES 11)
 FWHM / FWTM 24.0° / 65.0°
 Efficiency 78 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 438 Typ L1



Light distribution files

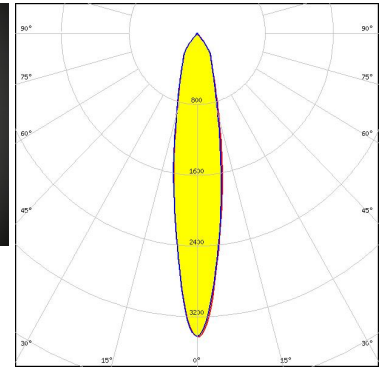
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):



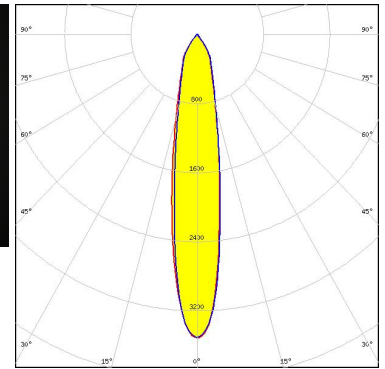
LED COB L-Type (LES 9)
 FWHM / FWTM 19.0° / 57.0°
 Efficiency 85 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



Light distribution files



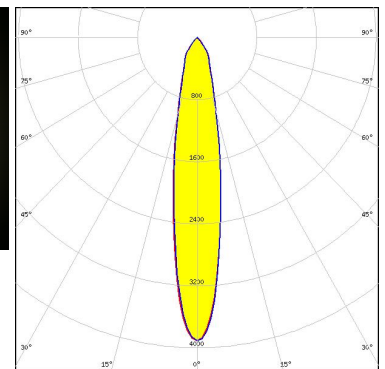
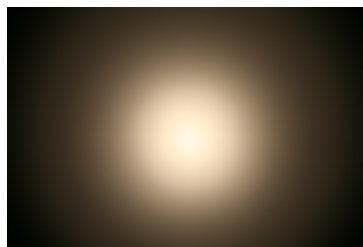
LED COB L-Type (LES 9)
 FWHM / FWTM 18.0° / 56.0°
 Efficiency 83 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



Light distribution files



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):



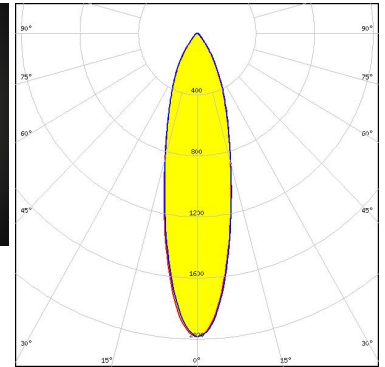
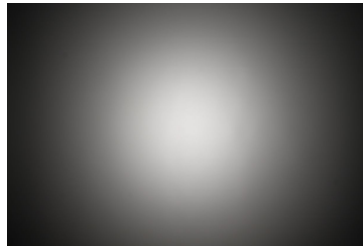
LED COB L-Type (LES 9)
FWHM / FWTM 27.0° / 67.0°
Efficiency 77 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL

Bender Wirth: 438 Typ L1



Light distribution files

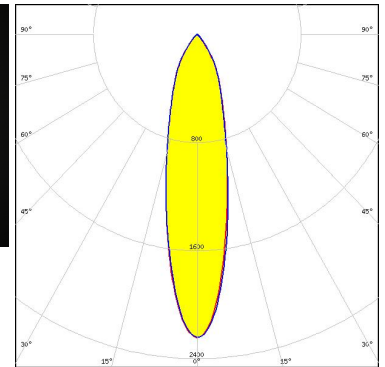
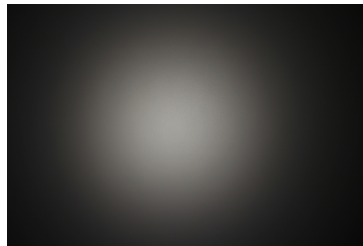


LED COB L-Type (LES 9)
FWHM / FWTM 24.0° / 66.0°
Efficiency 78 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C12479_MIRELLA-DL

IDEAL: 50-2100NC +50-2100MR



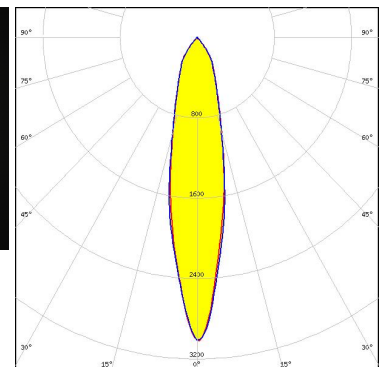
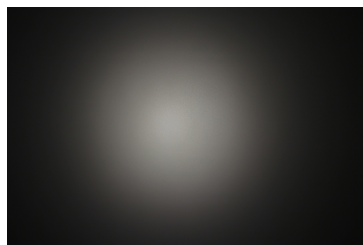
Light distribution files



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

OPTICAL RESULTS (MEASURED):



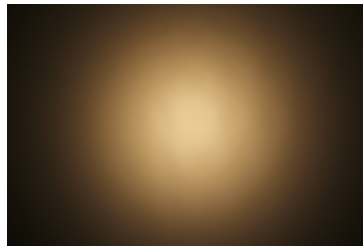
LED NSCxL036A
FWHM / FWTM 16.0° / 38.0°
Efficiency 86 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14037_PF-NSX-SOCKET

Light distribution files



Osram 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

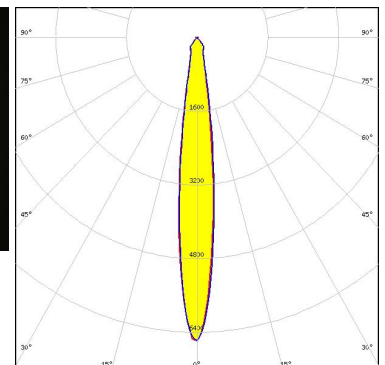
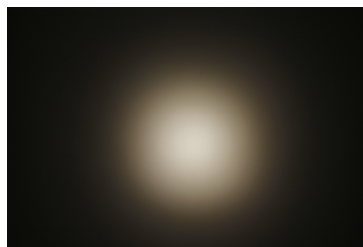


Light distribution files



Osram 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



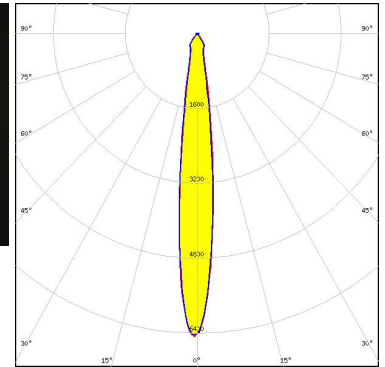
Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

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

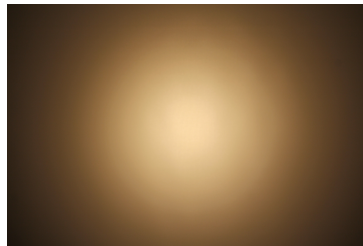


Light distribution files

OSRAM
Opto Semiconductors

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

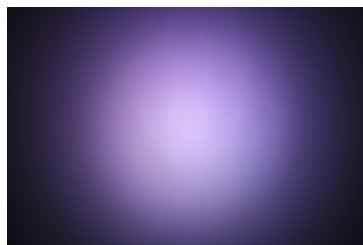


Light distribution files

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

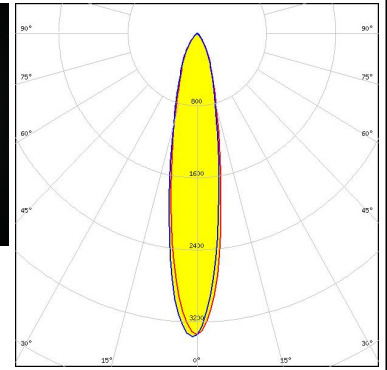
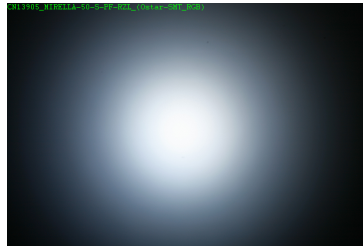


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

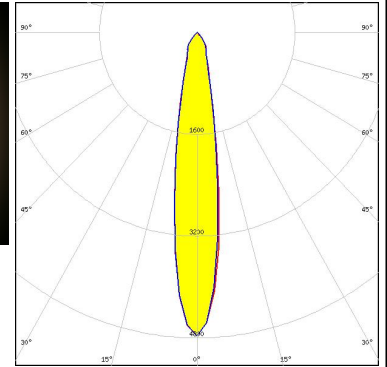
LED Ostar-SMT RGB
 FWHM / FWTM 20.0° / 55.0°
 Efficiency 82 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



Light distribution files

SEOL
SEOUL SEMICONDUCTOR

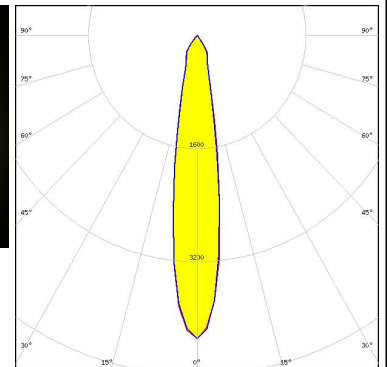
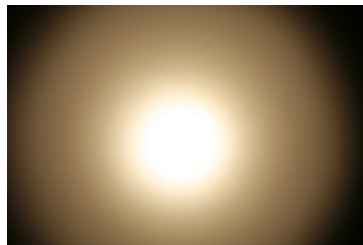
LED ZC4/6
 FWHM / FWTM 18.0° / 42.0°
 Efficiency 88 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13083_PF-SOCKET



Light distribution files

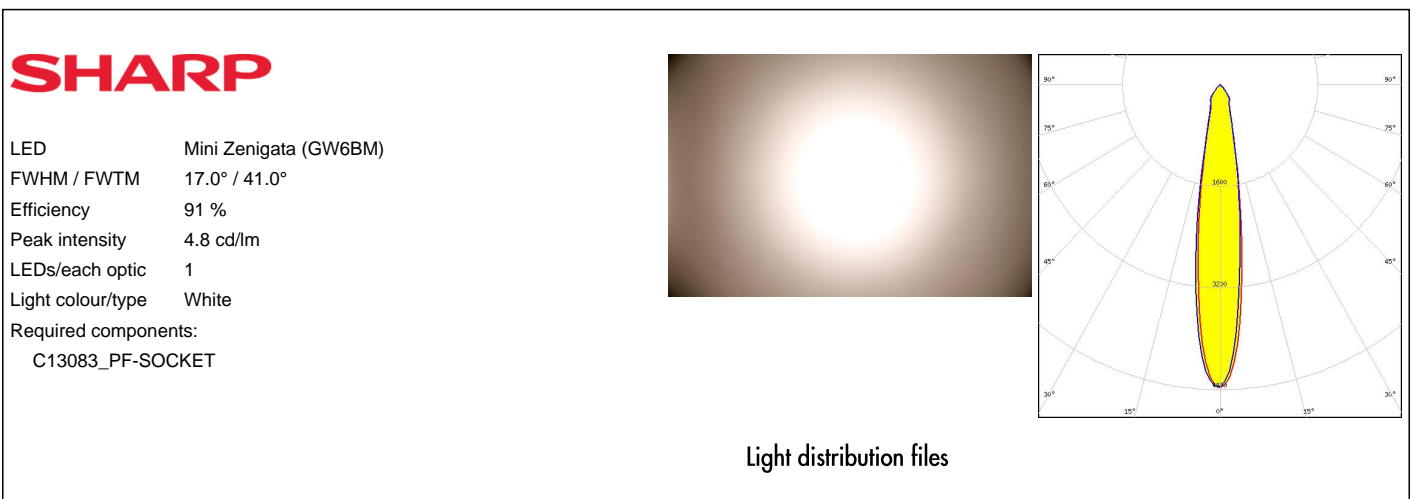
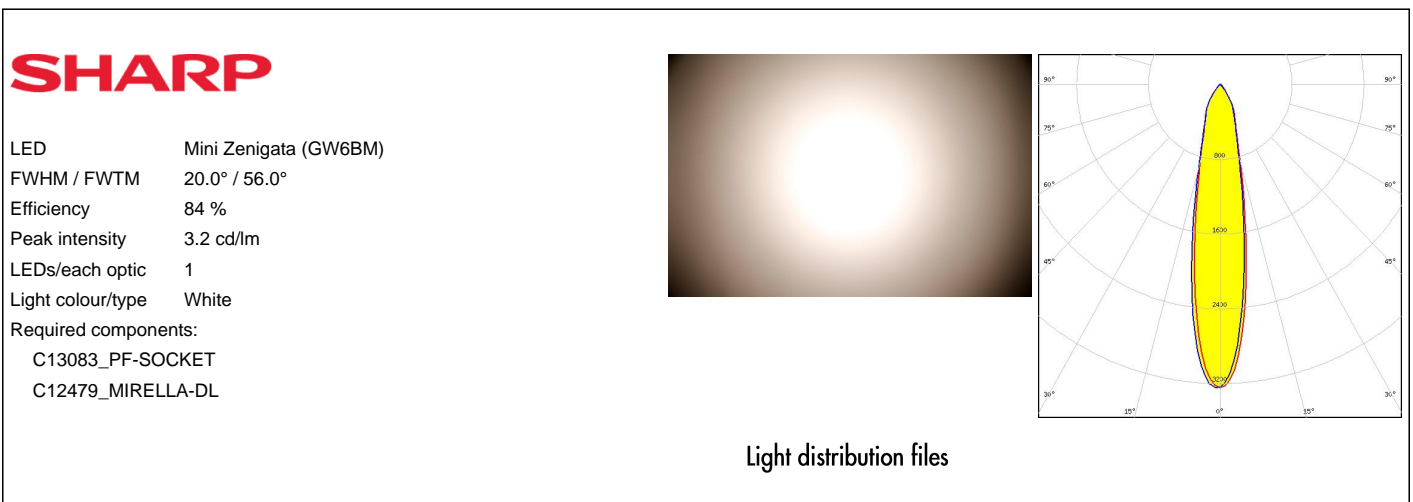
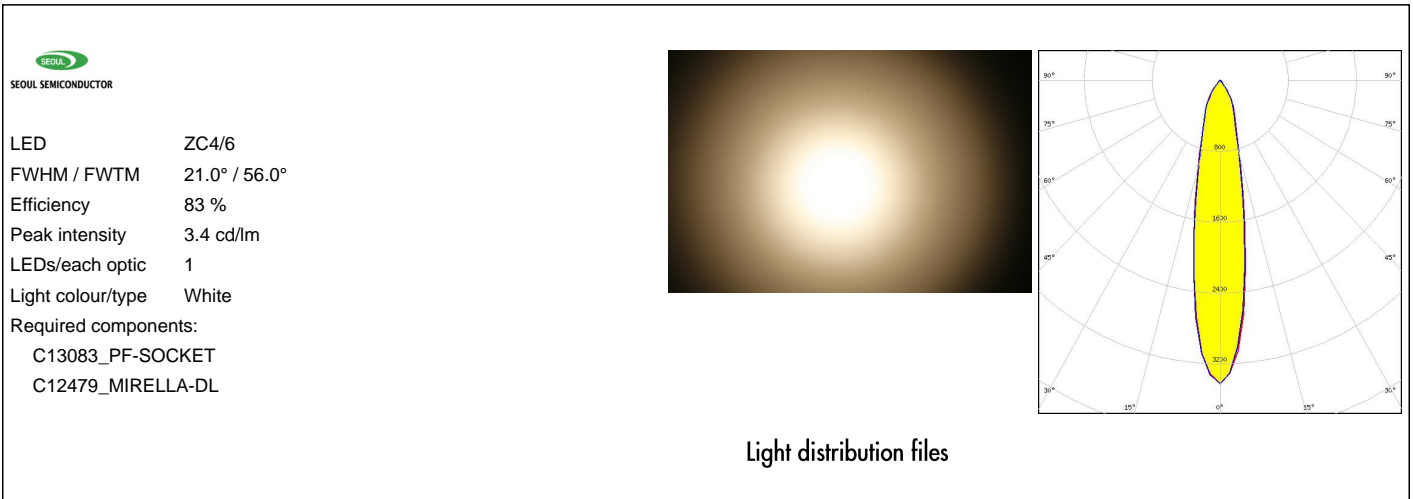
SEOL
SEOUL SEMICONDUCTOR

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

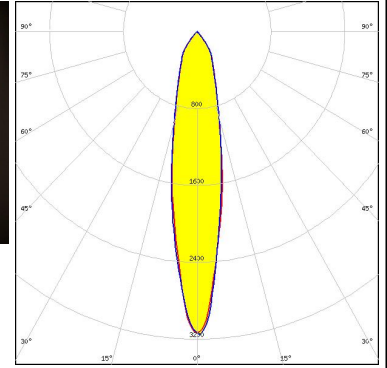
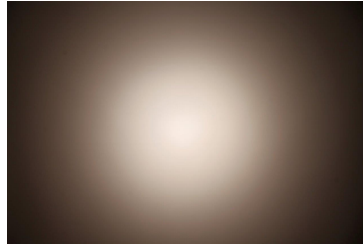
OPTICAL RESULTS (MEASURED):



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

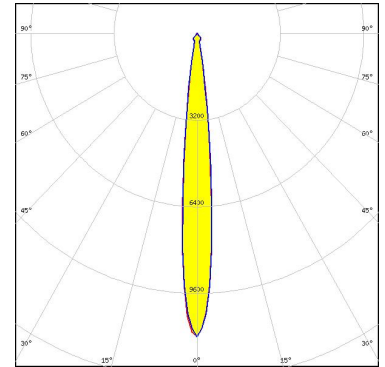


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED 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



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

OPTICAL RESULTS (SIMULATED):



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

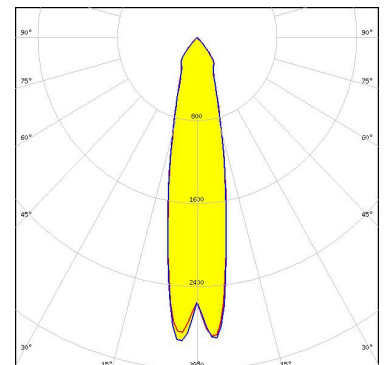
[Light distribution files](#)



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](#)

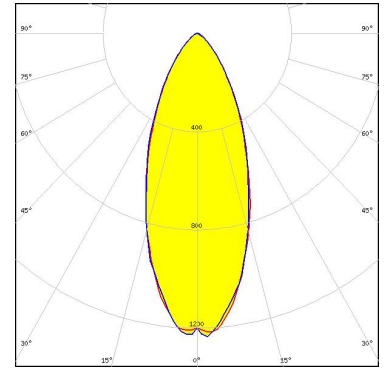
OPTICAL RESULTS (SIMULATED):



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 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-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-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	
Light distribution files	
Bender Wirth: 434 Typ L1	

	
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	
Light distribution files	
Bender Wirth: 434 Typ L1	

OPTICAL RESULTS (SIMULATED):



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



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

[Light distribution files](#)

Bender Wirth: 452 Typ L1



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

[Light distribution files](#)

Bender Wirth: 452 Typ L1

OPTICAL RESULTS (SIMULATED):

NICHIA

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

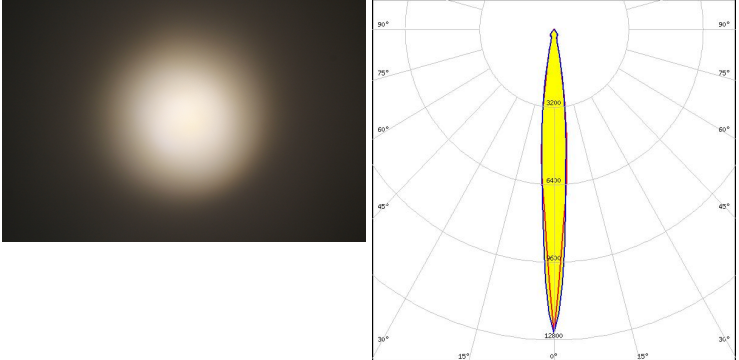
Light distribution files

Bender Wirth: 452 Typ L1

OSRAM
Opto Semiconductors

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

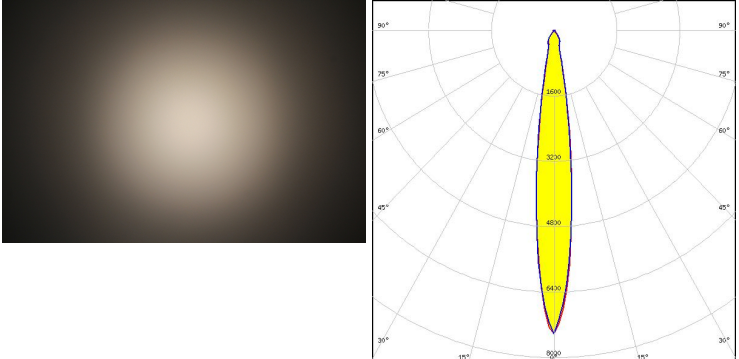


Light distribution files

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

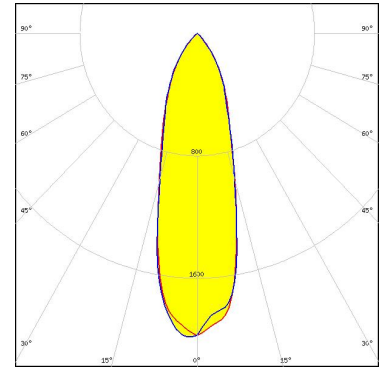
OPTICAL RESULTS (SIMULATED):

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

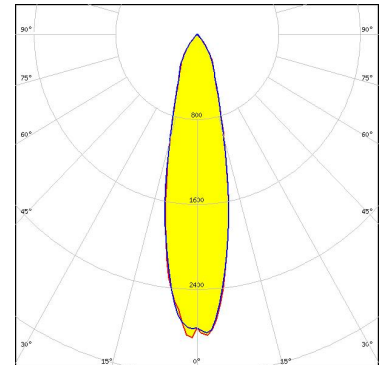


Light distribution files

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



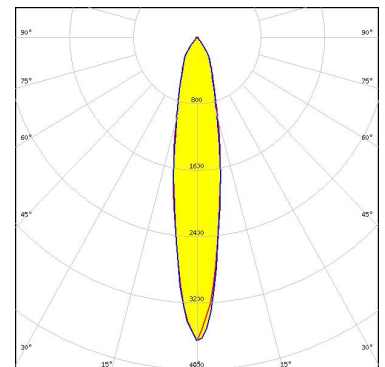
Light distribution files

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

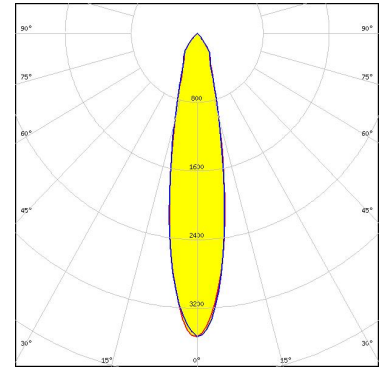


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

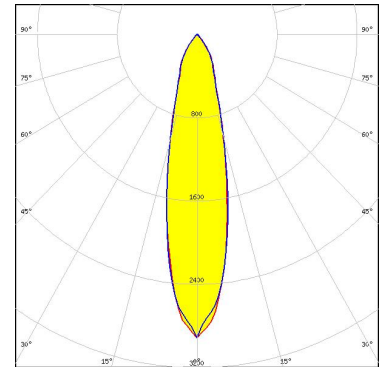
LED Soleriq S9
FWHM / FWTM 21.0° / 54.0°
Efficiency 91 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET



Light distribution files

OSRAM
Opto Semiconductors

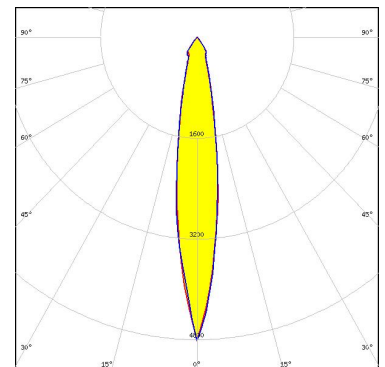
LED Soleriq S9
FWHM / FWTM 24.0° / 61.0°
Efficiency 86 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



Light distribution files

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



Light distribution files

Bender Wirth: 479 Typ L1

OPTICAL RESULTS (SIMULATED):

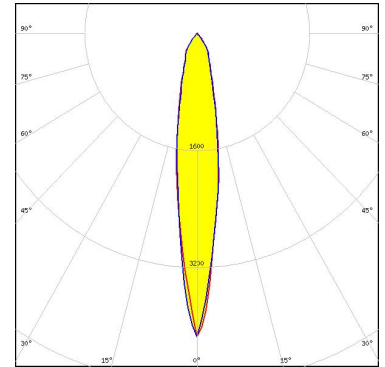
SAMSUNG

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

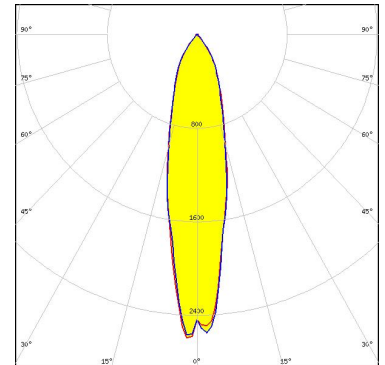
SAMSUNG

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




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

OPTICAL RESULTS (SIMULATED):

 SEOUL SEMICONDUCTOR	
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	

 SEOUL SEMICONDUCTOR	
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:

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