

MIRELLA-50-S-PF

~15° spot beam

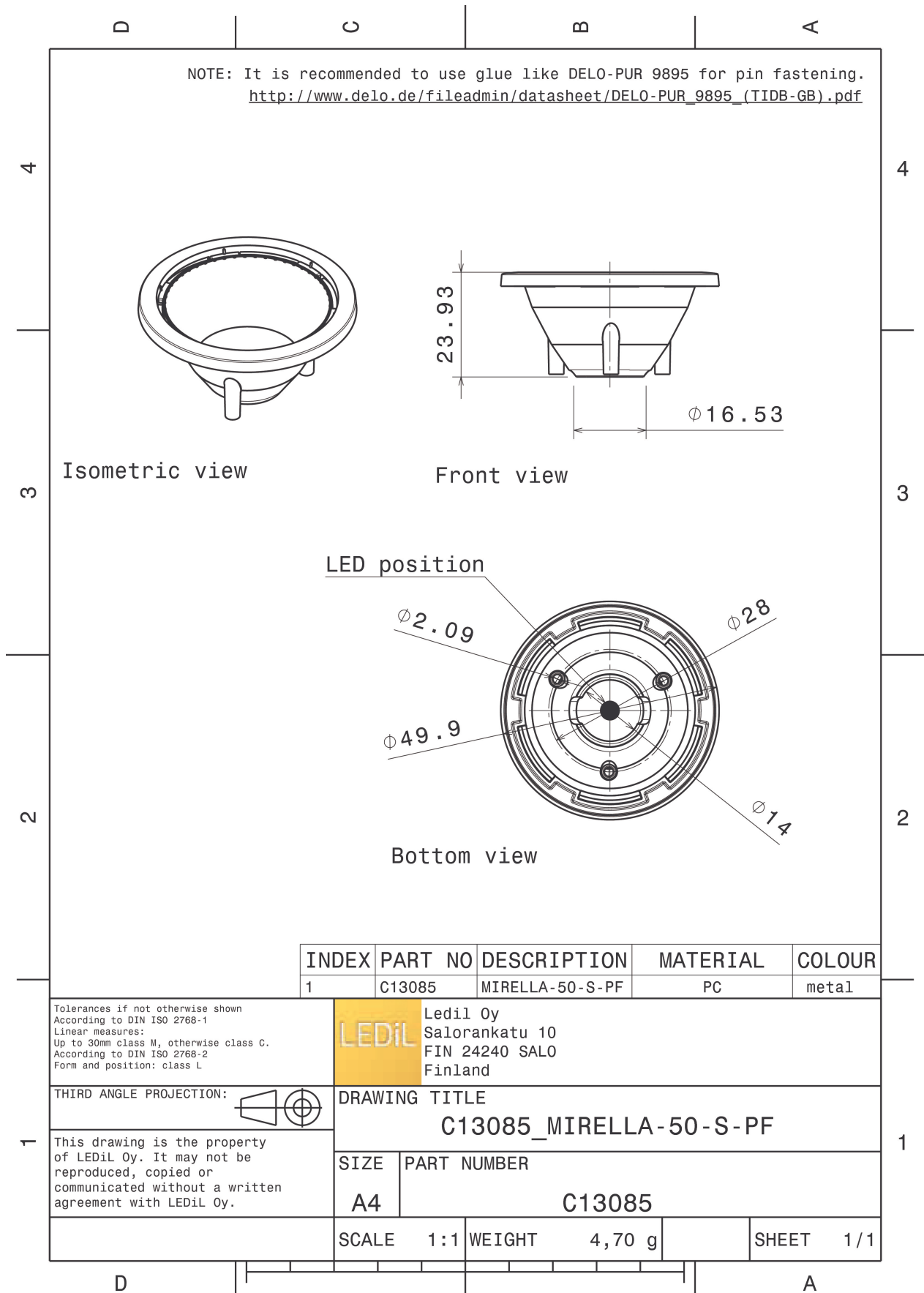
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.9 mm
Height	24 mm
Fastening	socket
Colour	metal
Box size	480 x 280 x 300 mm
Box weight	3 kg
Quantity in Box	336 pcs
ROHS compliant	yes ⓘ


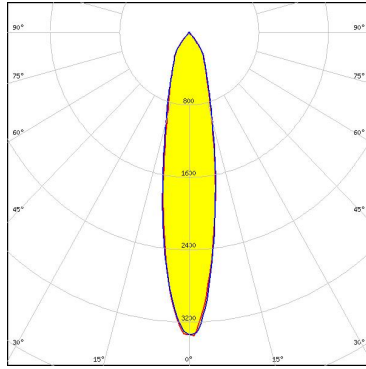
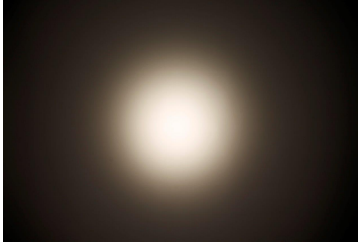
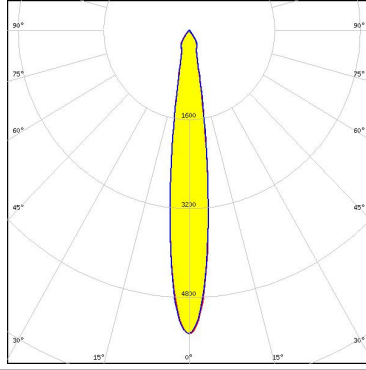


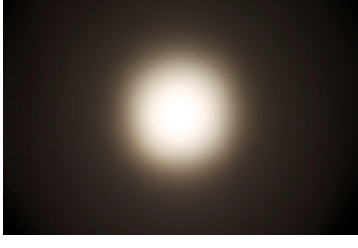
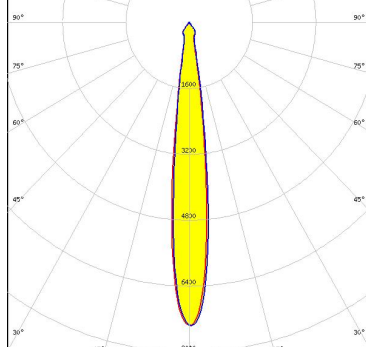


MATERIAL SPECIFICATIONS:


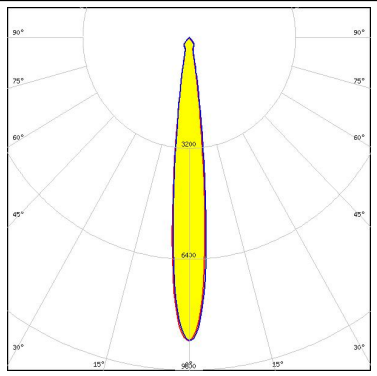

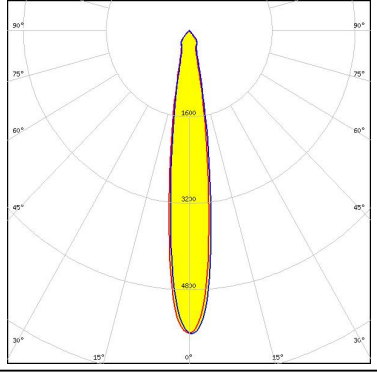

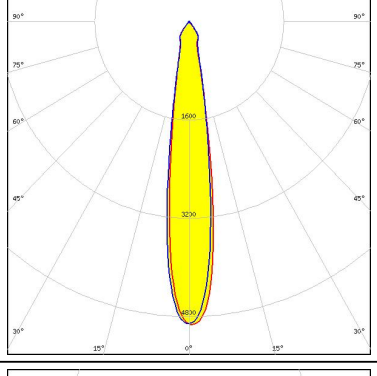
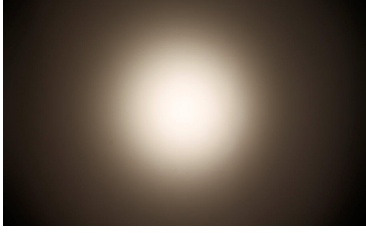
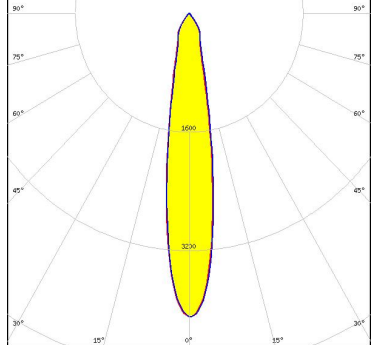
Component	Type	Material	Colour	Coating
MIRELLA-50-S-PF	Reflector	PC	metal	lacquer




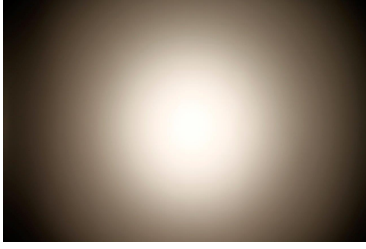
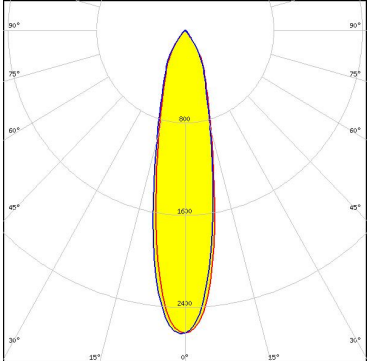
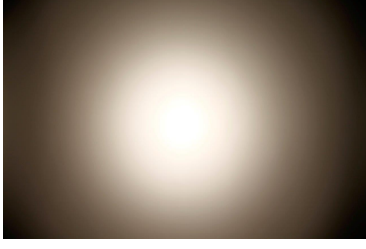
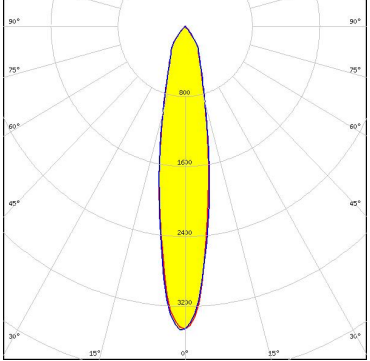
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V10 Gen7</p> <p>FWHM 21.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 3.400 cd/lm</p> <p>Required components: C13709_PF-SOCKET-VERO13-18 Bender Wirth: 434 Typ L1</p>		
<p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM 15.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 5.500 cd/lm</p> <p>Required components: C13761_PF-SOCKET-CXA15 C12479_MIRELLA-DL</p>		
<p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM 18.0°</p> <p>Efficiency 73 %</p> <p>Peak intensity 4.270 cd/lm</p> <p>Required components: C13709_PF-SOCKET-VERO13-18 C12479_MIRELLA-DL Bender Wirth: 460 Typ L1</p>		
<p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM 13.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 7.400 cd/lm</p> <p>Required components: C13761_PF-SOCKET-CXA15 C13333_MIRELLA-CL</p>		

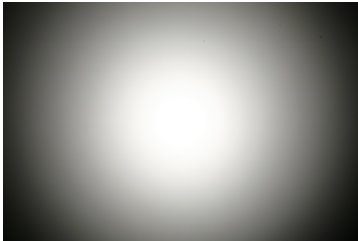
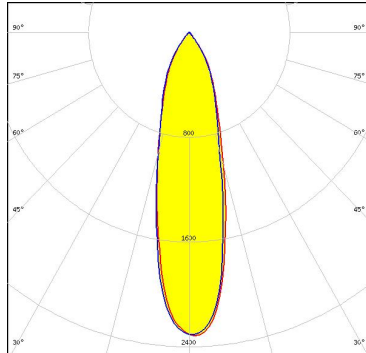
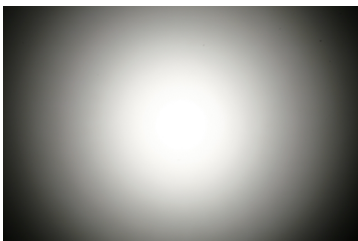
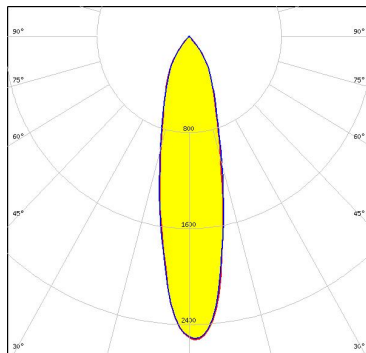
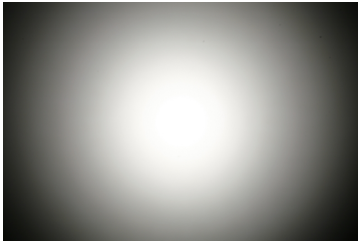
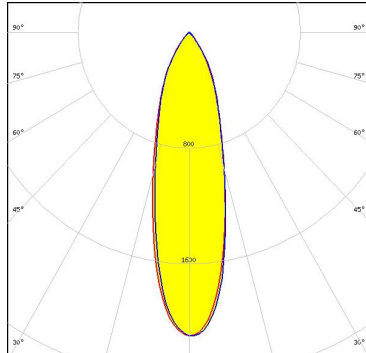

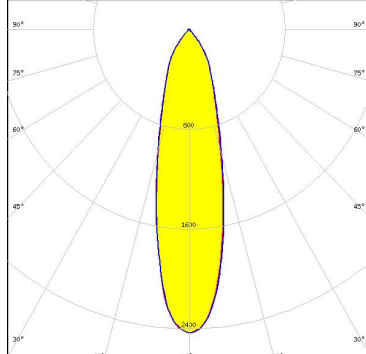
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM 12.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 8.800 cd/lm</p> <p>Required components: C13761_PF-SOCKET-CXA15</p>		
<p>bridgelux.</p> <p>LED V8 Gen6</p> <p>FWHM 15.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 5.600 cd/lm</p> <p>Required components: C13761_PF-SOCKET-CXA15</p>		
<p>bridgelux.</p> <p>LED V8 Gen6</p> <p>FWHM 16.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 4.900 cd/lm</p> <p>Required components: C13761_PF-SOCKET-CXA15 C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED V8 Gen6</p> <p>FWHM 18.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 4.100 cd/lm</p> <p>Required components: C13761_PF-SOCKET-CXA15 C12479_MIRELLA-DL</p>		

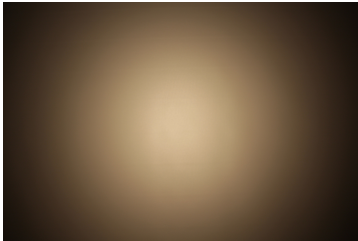
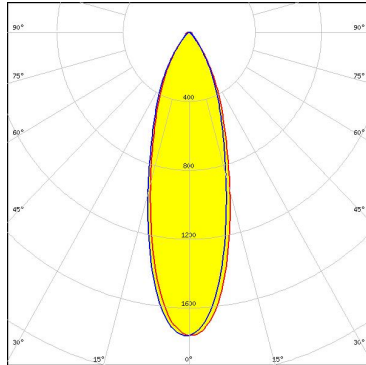
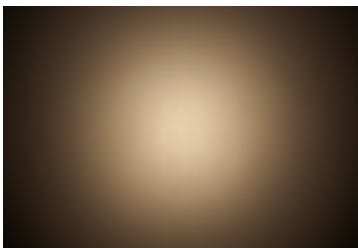
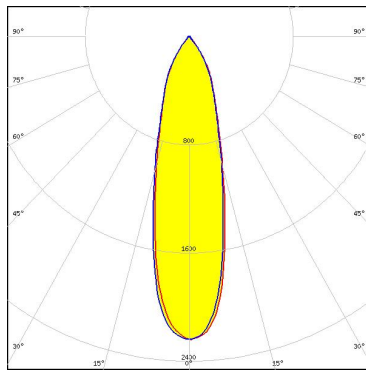

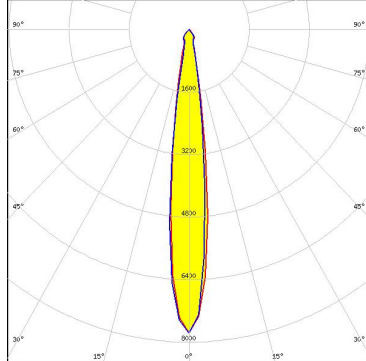
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V8 Gen6</p> <p>FWHM 20.0°</p> <p>Efficiency 71 %</p> <p>Peak intensity 3.370 cd/lm</p> <p>Required components:</p> <ul style="list-style-type: none">C13709_PF-SOCKET-VERO13-18C12479_MIRELLA-DLBender Wirth: 460 Typ L1		
<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 23.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 2.600 cd/lm</p> <p>Required components:</p> <ul style="list-style-type: none">C13708_PF-SOCKET-VERO10C12479_MIRELLA-DL		
<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 20.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 3.500 cd/lm</p> <p>Required components:</p> <ul style="list-style-type: none">C13708_PF-SOCKET-VERO10		
<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 23.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 2.600 cd/lm</p> <p>Required components:</p> <ul style="list-style-type: none">C13708_PF-SOCKET-VERO10C13333_MIRELLA-CL		

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 26.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 2.320 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 25.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 2.540 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p>		
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 28.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 2.100 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C12479_MIRELLA-DL</p>		
<p>bridgelux.</p> <p>LED Xenio Point 13mm</p> <p>FWHM 26.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 2.400 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p>		

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED Xenio Point 13mm</p> <p>FWHM 31.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.760 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C12479_MIRELLA-DL</p>		
<p>bridgelux.</p> <p>LED Xenio Point 13mm</p> <p>FWHM 27.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 2.240 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C13333_MIRELLA-CL</p>		
<p>CITIZEN</p> <p>LED CLL01x</p> <p>FWHM 15.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 5.800 cd/lm</p> <p>Required components:</p> <p>C13083_PF-SOCKET</p> <p>C12479_MIRELLA-DL</p>		
<p>CITIZEN</p> <p>LED CLL01x</p> <p>FWHM 14.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 7.700 cd/lm</p> <p>Required components:</p> <p>C13083_PF-SOCKET</p>		

PHOTOMETRIC DATA (MEASURED):

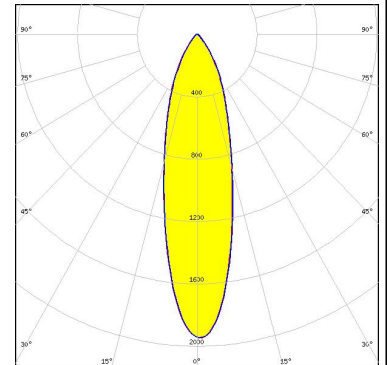
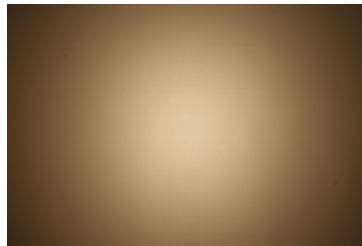
CITIZEN

LED CLL01x
FWHM 13.0°
Efficiency 84 %
Peak intensity 7.600 cd/lm
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



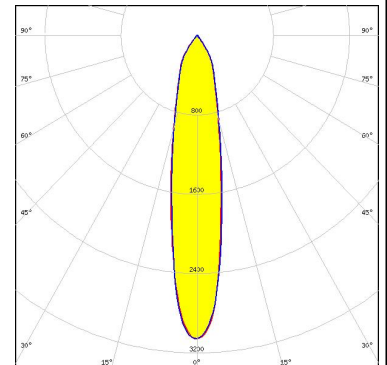
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 27.0°
Efficiency 77 %
Peak intensity 2.000 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 434 Typ L1



CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 20.0°
Efficiency 80 %
Peak intensity 3.100 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 434 Typ L1



CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 18.0°
Efficiency 83 %
Peak intensity 5.100 cd/lm
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

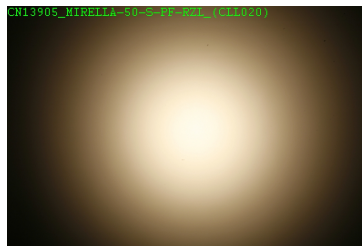
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 20.0°
Efficiency 83 %
Peak intensity 4.200 cd/lm
Required components:
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C12479_MIRELLA-DL



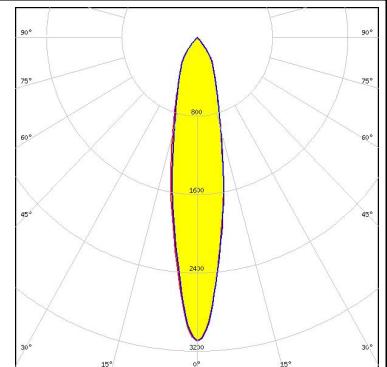
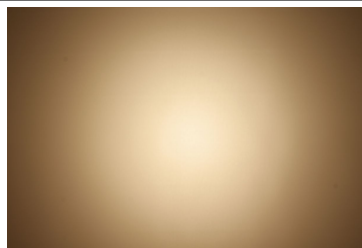
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 25.0°
Efficiency %
Peak intensity 1.500 cd/lm
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



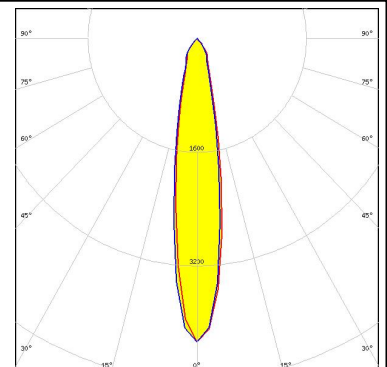
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 21.0°
Efficiency 84 %
Peak intensity 3.100 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 434 Typ L1



CITIZEN

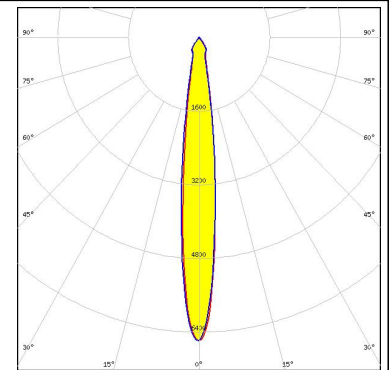
LED CLL02x/CLU02x (LES10)
FWHM 19.0°
Efficiency 87 %
Peak intensity 4.200 cd/lm
Required components:
C13083_PF-SOCKET



PHOTOMETRIC DATA (MEASURED):

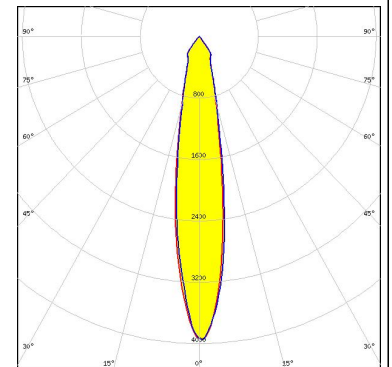
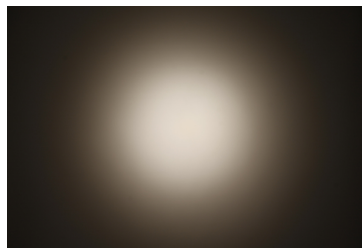
CITIZEN

LED CLU700/701
 FWHM 13.0°
 Efficiency 83 %
 Peak intensity 6.600 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



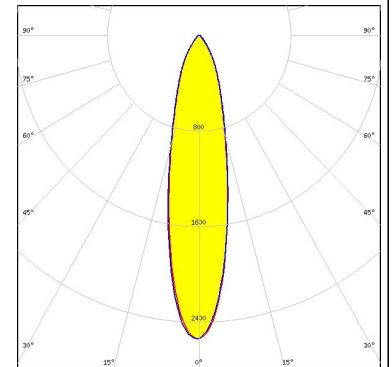
CITIZEN

LED CLU700/701
 FWHM 19.0°
 Efficiency 84 %
 Peak intensity 4.000 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1



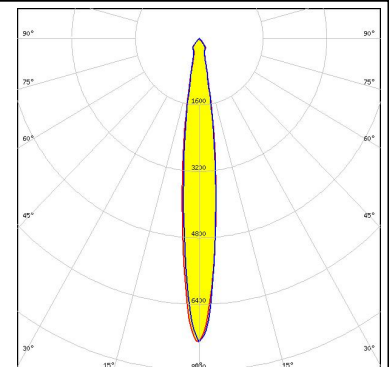
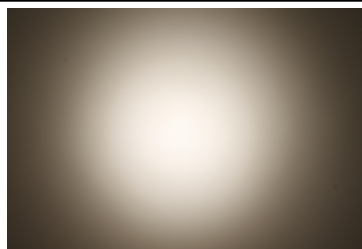
CITIZEN

LED CLU700/701
 FWHM 23.0°
 Efficiency 82 %
 Peak intensity 2.500 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



CITIZEN

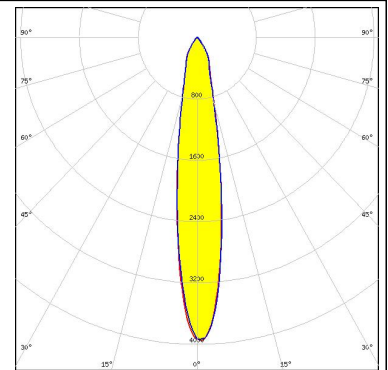
LED CLU700/701
 FWHM 13.0°
 Efficiency 89 %
 Peak intensity 7.300 cd/lm
 Required components:
 C13083_PF-SOCKET



PHOTOMETRIC DATA (MEASURED):

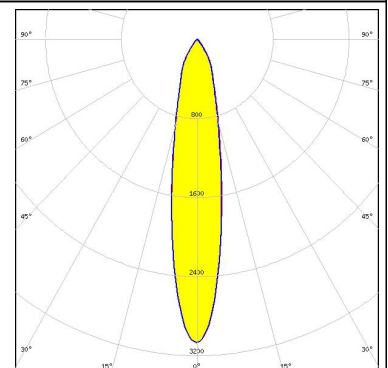
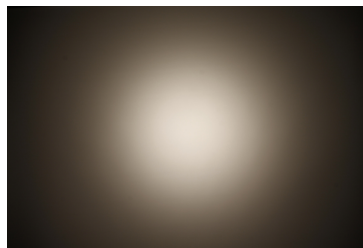
CITIZEN

LED CLU700/701
 FWHM 17.0°
 Efficiency 82 %
 Peak intensity 4.000 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



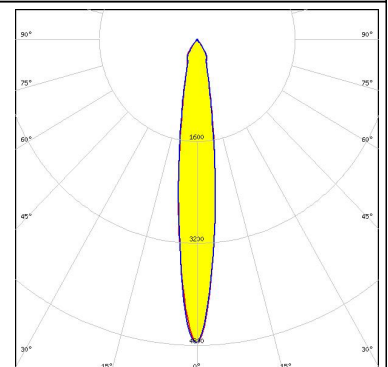
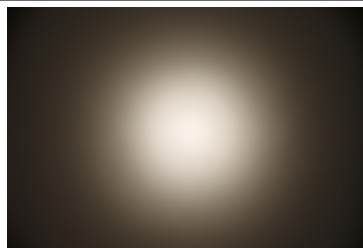
CITIZEN

LED CLU700/701
 FWHM 20.0°
 Efficiency 79 %
 Peak intensity 3.100 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 434 Typ L1



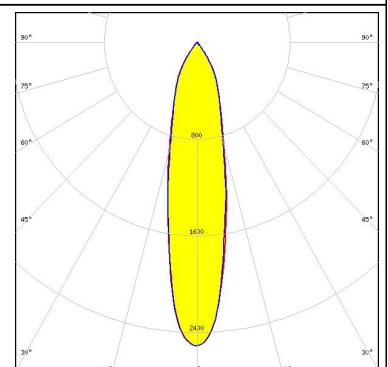
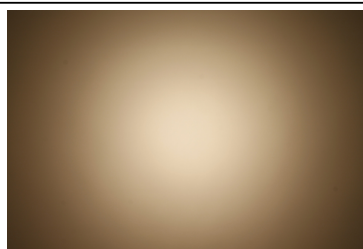
CITIZEN

LED CLU700/701
 FWHM 14.0°
 Efficiency 79 %
 Peak intensity 4.800 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 434 Typ L1



CITIZEN

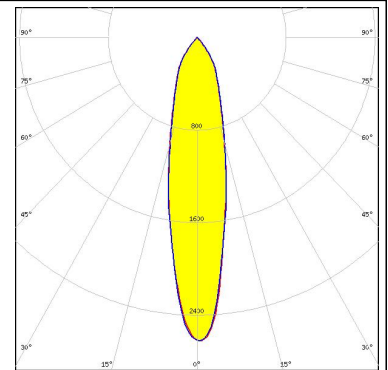
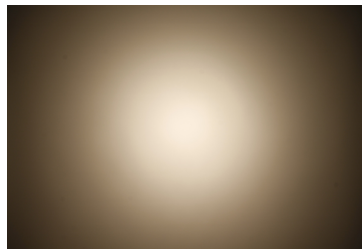
LED CLU720/721
 FWHM 23.0°
 Efficiency 77 %
 Peak intensity 2.500 cd/lm
 Required components:
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 C13333_MIRELLA-CL
 Bender Wirth: 433 Typ L1



PHOTOMETRIC DATA (MEASURED):

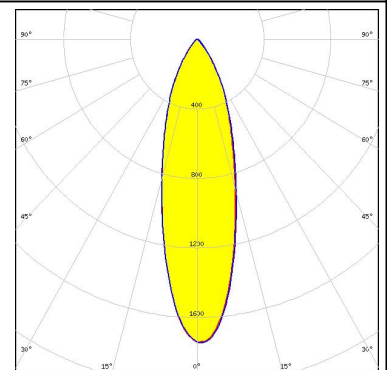
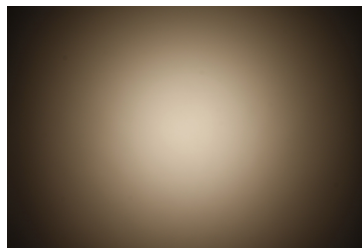
CITIZEN

LED CLU720/721
 FWHM 23.0°
 Efficiency 82 %
 Peak intensity 2.600 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 433 Typ L1



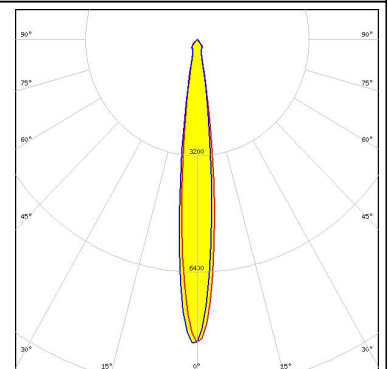
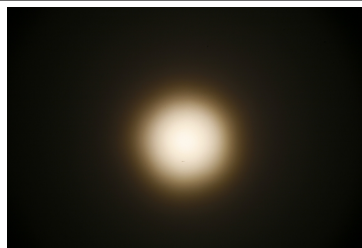
CITIZEN

LED CLU720/721
 FWHM 29.0°
 Efficiency 75 %
 Peak intensity 1.700 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 433 Typ L1



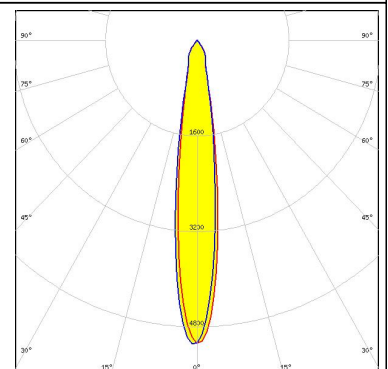
CREE

LED CXA/B 13xx
 FWHM 12.0°
 Efficiency 87 %
 Peak intensity 9.500 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15



CREE

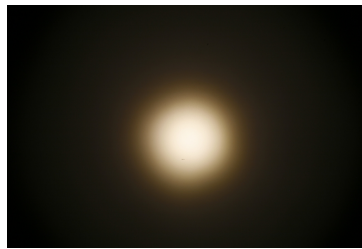
LED CXA/B 13xx
 FWHM 15.0°
 Efficiency 81 %
 Peak intensity 5.400 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



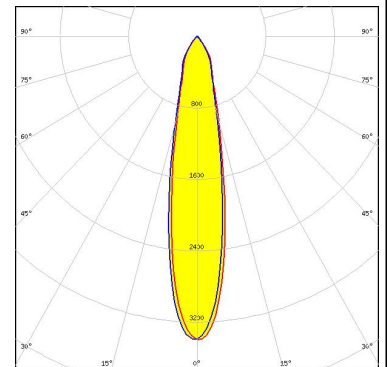
PHOTOMETRIC DATA (MEASURED):



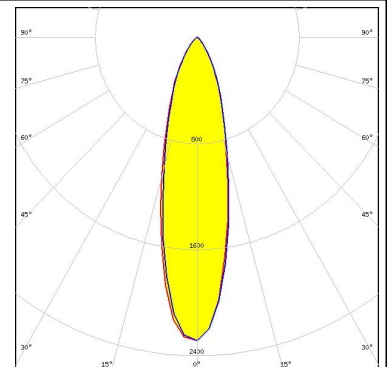
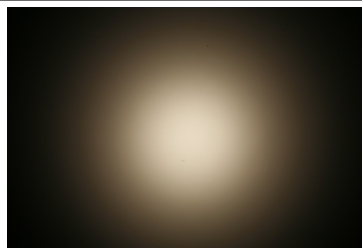
LED CXA/B 13xx
 FWHM 12.0°
 Efficiency 82 %
 Peak intensity 8.500 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



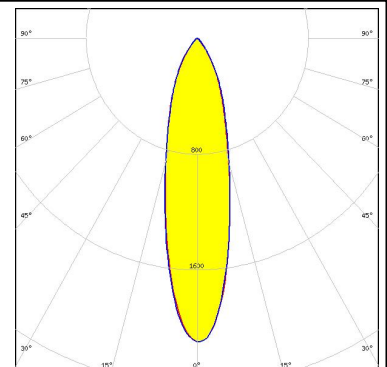
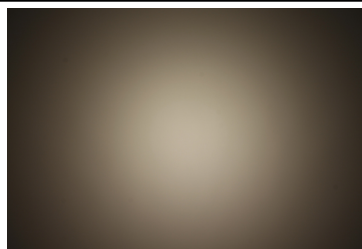
LED CXA/B 15xx
 FWHM 21.0°
 Efficiency 87 %
 Peak intensity 3.400 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



LED CXA/B 15xx
 FWHM 27.0°
 Efficiency 82 %
 Peak intensity 2.300 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15
 C13723_MIRELLA-RZL



LED CXA/B 15xx
 FWHM 26.0°
 Efficiency 77 %
 Peak intensity 2.100 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 441 Typ L1



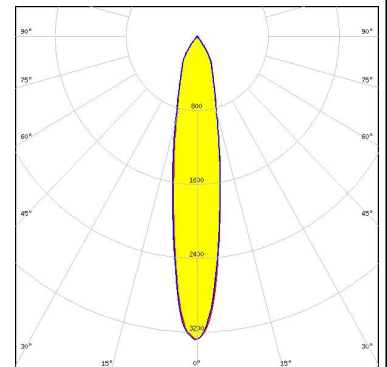
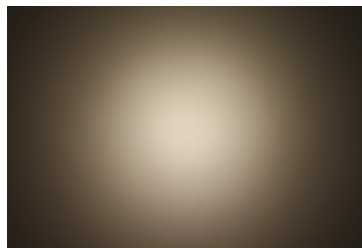
PHOTOMETRIC DATA (MEASURED):



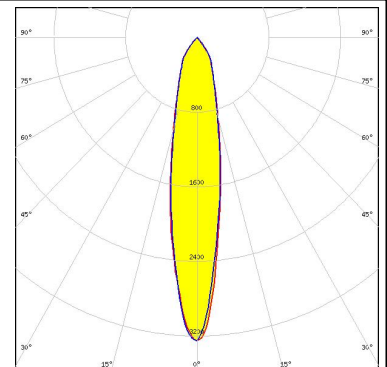
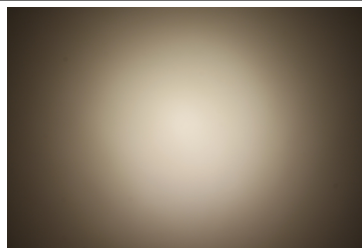
LED CXA/B 15xx
 FWHM 19.0°
 Efficiency 84 %
 Peak intensity 4.300 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



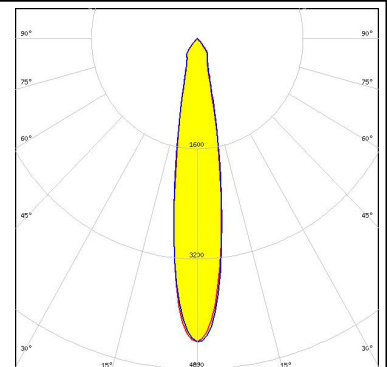
LED CXA/B 15xx
 FWHM 19.0°
 Efficiency 79 %
 Peak intensity 3.300 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 441 Typ L1



LED CXA/B 15xx
 FWHM 20.0°
 Efficiency 84 %
 Peak intensity 3.300 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 441 Typ L1



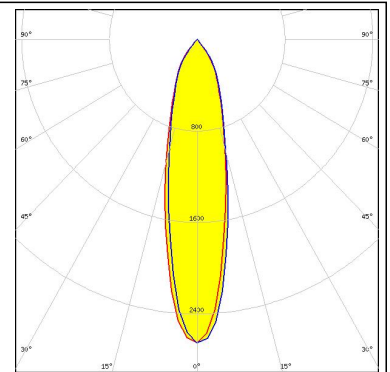
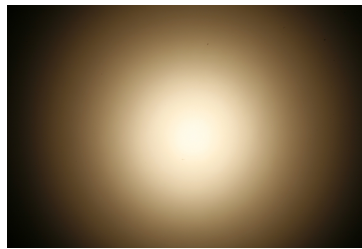
LED CXA/B 15xx
 FWHM 18.0°
 Efficiency 91 %
 Peak intensity 4.400 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15



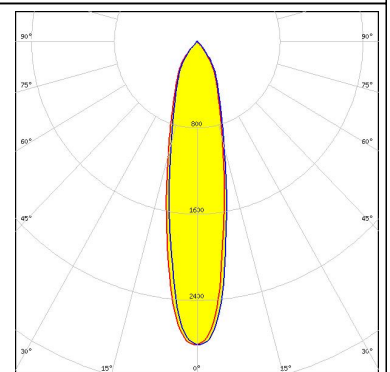
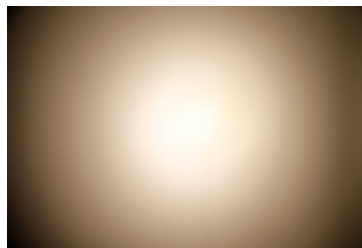
PHOTOMETRIC DATA (MEASURED):



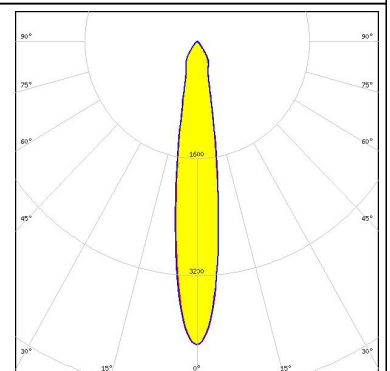
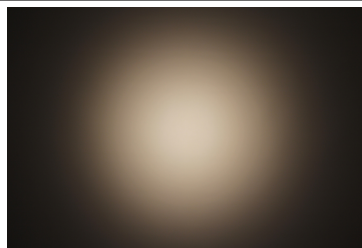
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 25.0°
 Efficiency 85 %
 Peak intensity 2.700 cd/lm
 Required components:
 C14115_PF-SOCKET-CXA15-18



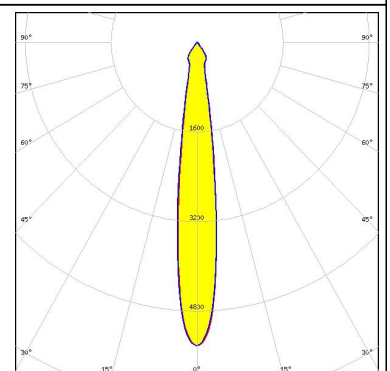
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 23.0°
 Efficiency 89 %
 Peak intensity 2.800 cd/lm
 Required components:
 IDEAL: 50-2101CR + 50-2100MR



LED MHD-E/G
 FWHM 17.0°
 Efficiency 87 %
 Peak intensity 4.100 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



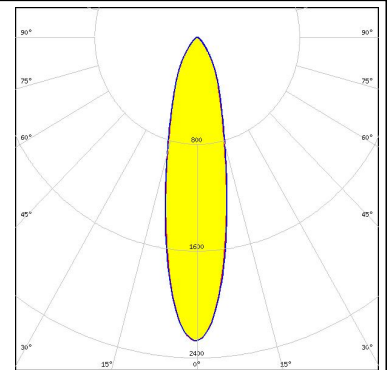
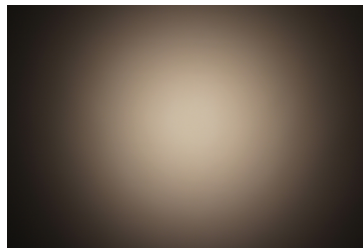
LED MHD-E/G
 FWHM 15.0°
 Efficiency 87 %
 Peak intensity 5.400 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



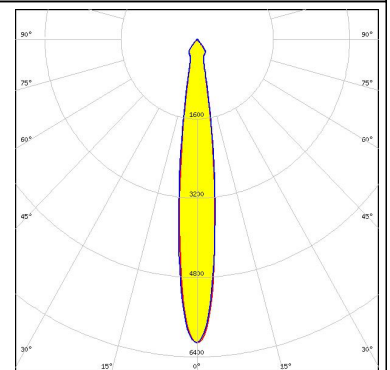
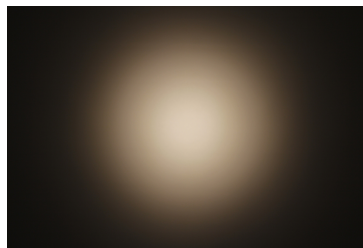
PHOTOMETRIC DATA (MEASURED):



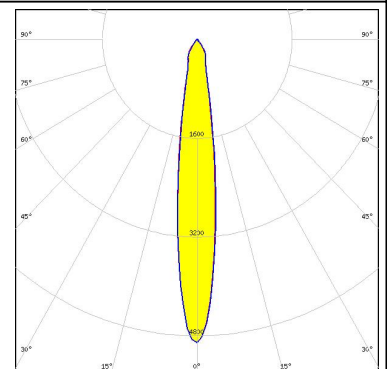
LED MHD-E/G
 FWHM 24.0°
 Efficiency 84 %
 Peak intensity 2.300 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



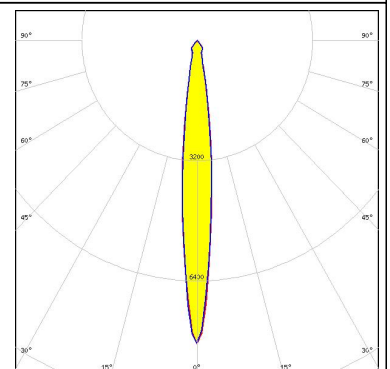
LED MHD-E/G
 FWHM 14.0°
 Efficiency 93 %
 Peak intensity 6.100 cd/lm
 Required components:
 C13083_PF-SOCKET



LED MK-R
 FWHM 15.0°
 Efficiency 82 %
 Peak intensity 4.900 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



LED MK-R
 FWHM 12.0°
 Efficiency 87 %
 Peak intensity 8.100 cd/lm
 Required components:
 C13083_PF-SOCKET



PHOTOMETRIC DATA (MEASURED):

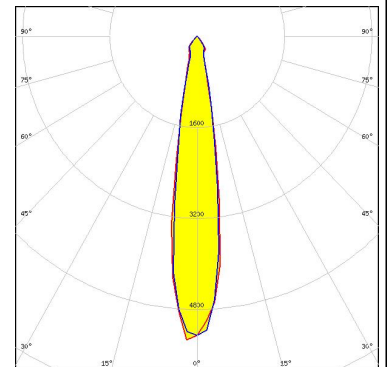
CREE

LED MT-G
FWHM 19.0°
Efficiency 85 %
Peak intensity 4.400 cd/lm
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



CREE

LED MT-G
FWHM 17.0°
Efficiency 90 %
Peak intensity 5.300 cd/lm
Required components:
C13083_PF-SOCKET



CREE

LED MT-G
FWHM 18.0°
Efficiency 86 %
Peak intensity 5.500 cd/lm
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



CREE

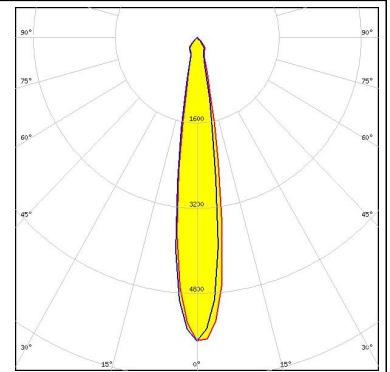
LED MT-G2
FWHM 18.0°
Efficiency 85 %
Peak intensity 4.600 cd/lm
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):



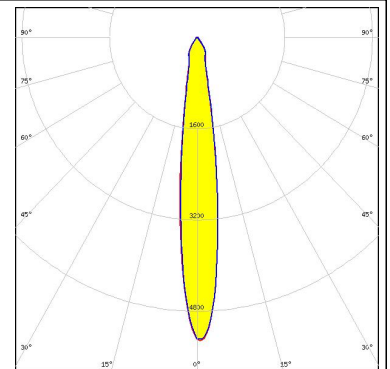
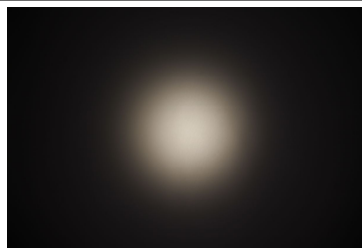
LED MT-G2
FWHM 18.0°
Efficiency 88 %
Peak intensity 4.200 cd/lm
Required components:
C13083_PF-SOCKET



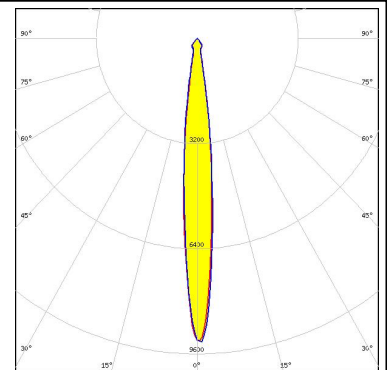
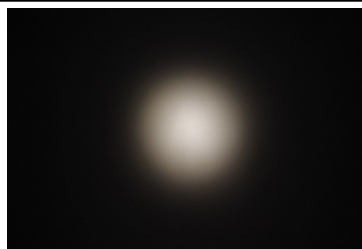
LED MT-G2
FWHM 16.0°
Efficiency 84 %
Peak intensity 5.800 cd/lm
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



LED XHP50
FWHM 15.0°
Efficiency 85 %
Peak intensity 5.300 cd/lm
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



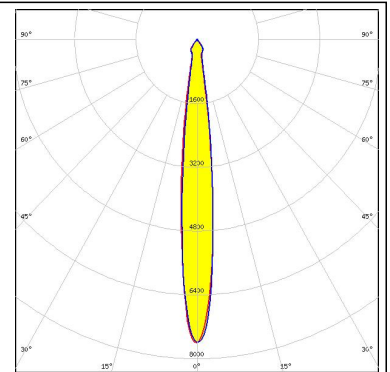
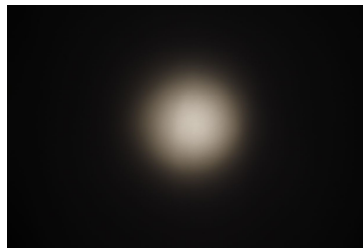
LED XHP50
FWHM 11.0°
Efficiency 89 %
Peak intensity 9.200 cd/lm
Required components:
C13083_PF-SOCKET



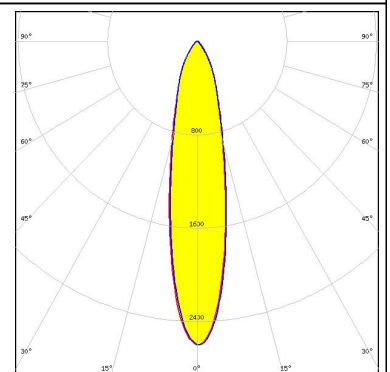
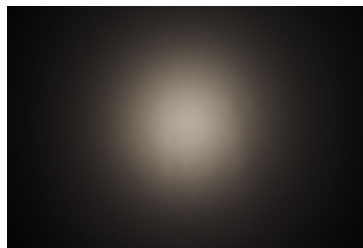
PHOTOMETRIC DATA (MEASURED):



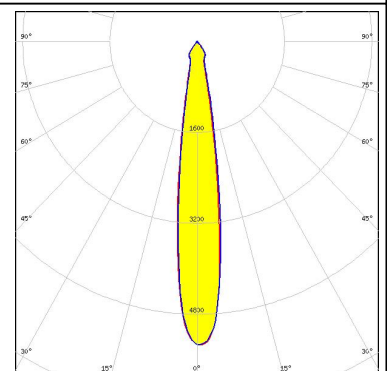
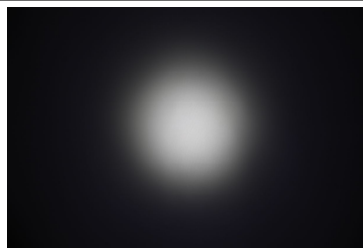
LED XHP50
 FWHM 12.0°
 Efficiency 84 %
 Peak intensity 7.600 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



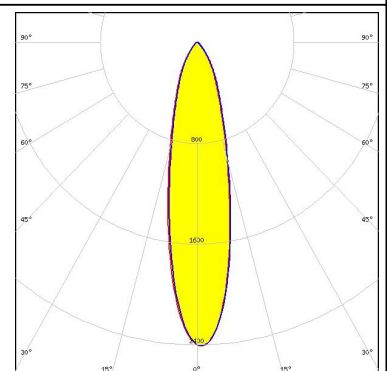
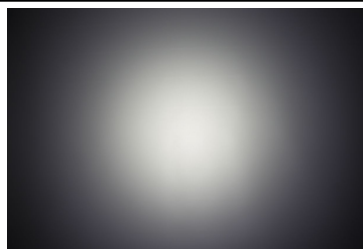
LED XHP50
 FWHM 22.0°
 Efficiency 81 %
 Peak intensity 2.600 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



LED XHP70
 FWHM 16.0°
 Efficiency 83 %
 Peak intensity 5.300 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



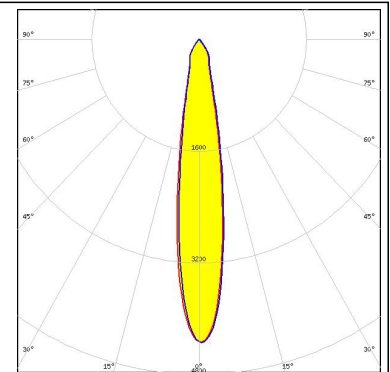
LED XHP70
 FWHM 24.0°
 Efficiency 81 %
 Peak intensity 2.400 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



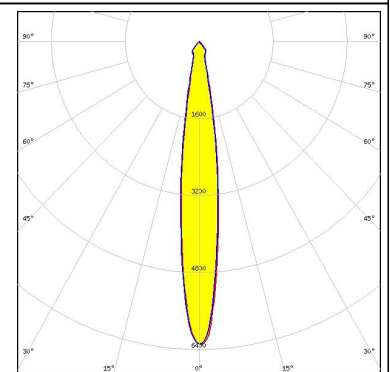
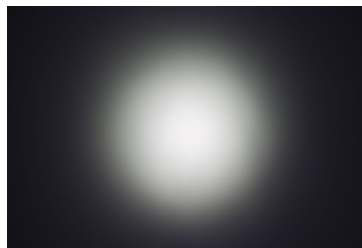
PHOTOMETRIC DATA (MEASURED):



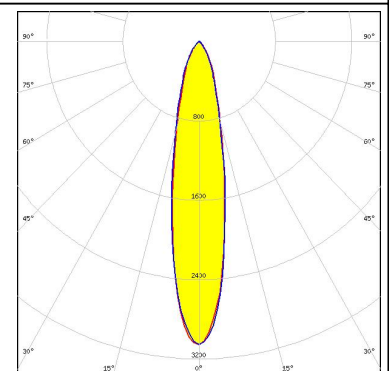
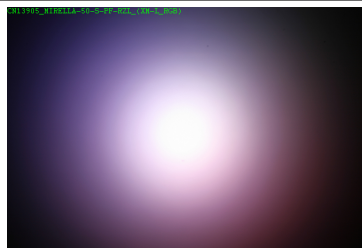
LED XHP70
FWHM 17.0°
Efficiency 84 %
Peak intensity 4.300 cd/lm
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



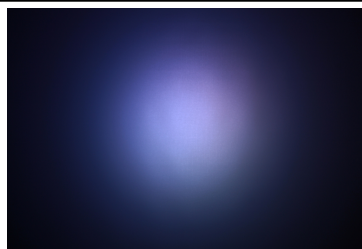
LED XHP70
FWHM 15.0°
Efficiency 89 %
Peak intensity 0.630 cd/lm
Required components:
C13083_PF-SOCKET



LED XM-L RGB
FWHM 22.0°
Efficiency 80 %
Peak intensity 3.060 cd/lm
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



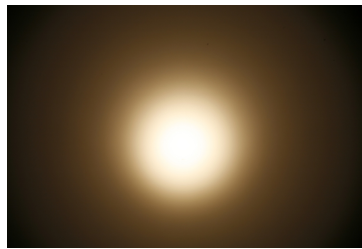
LED XQ-E HI RGBW
FWHM 21.0°
Efficiency 86 %
Peak intensity 3.140 cd/lm
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



PHOTOMETRIC DATA (MEASURED):

LG Innotek

LED COB 4W
FWHM 14.0°
Efficiency 91 %
Peak intensity 6.700 cd/lm
Required components:
C13083_PF-SOCKET



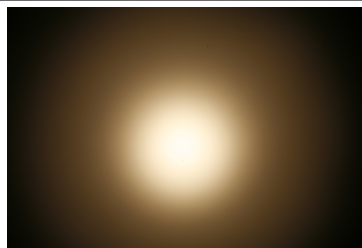
LG Innotek

LED COB 4W
FWHM 13.0°
Efficiency 84 %
Peak intensity 7.800 cd/lm
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



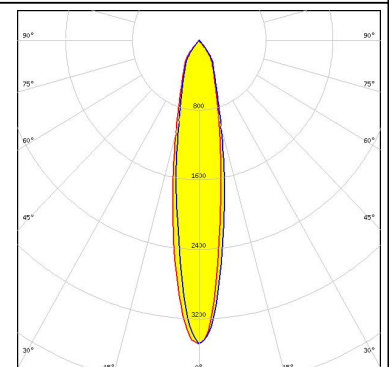
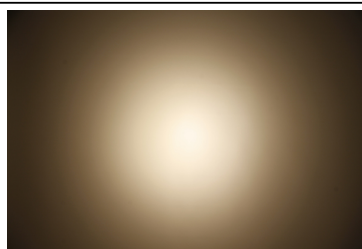
LG Innotek

LED COB 4W
FWHM 14.0°
Efficiency 86 %
Peak intensity 4.400 cd/lm
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



LUMILEDS

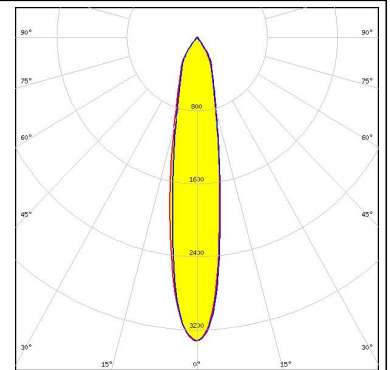
LED LUXEON CoB 1202/1203
FWHM 19.0°
Efficiency 88 %
Peak intensity 3.500 cd/lm
Required components:
IDEAL: 50-2100NC +50-2100MR



PHOTOMETRIC DATA (MEASURED):

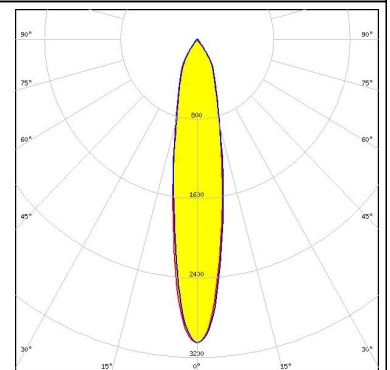
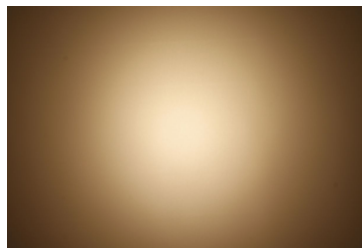
LUMILEDS

LED LUXEON CoB 1202/1203
 FWHM 19.0°
 Efficiency 82 %
 Peak intensity 3.300 cd/lm
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



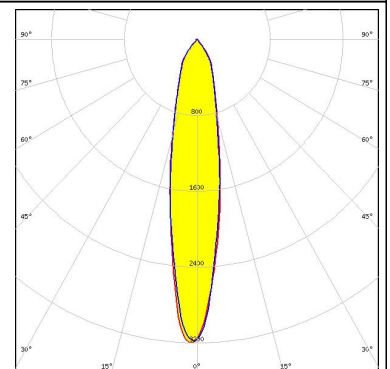
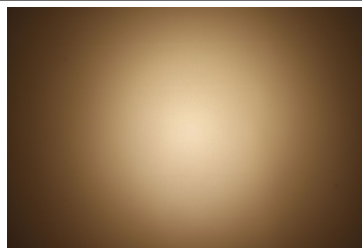
LUMILEDS

LED LUXEON CoB 1202/1203
 FWHM 20.0°
 Efficiency 78 %
 Peak intensity 3.100 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 438 Typ L1



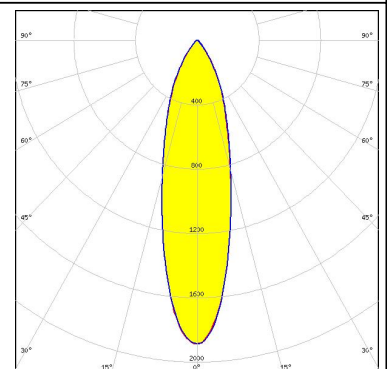
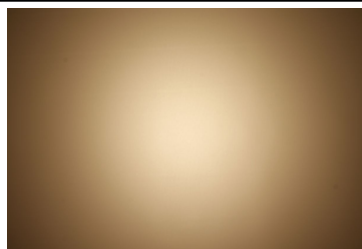
LUMILEDS

LED LUXEON CoB 1202/1203
 FWHM 20.0°
 Efficiency 84 %
 Peak intensity 3.200 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



LUMILEDS

LED LUXEON CoB 1202/1203
 FWHM 27.0°
 Efficiency 76 %
 Peak intensity 1.900 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON CoB 1202/1203

FWHM 22.0°

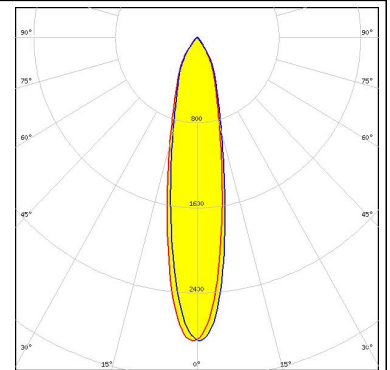
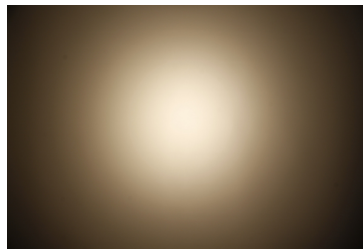
Efficiency 83 %

Peak intensity 2.900 cd/lm

Required components:

C12479_MIRELLA-DL

IDEAL: 50-2100NC +50-2100MR



LUMILEDS

LED LUXEON CoB 1202/1203

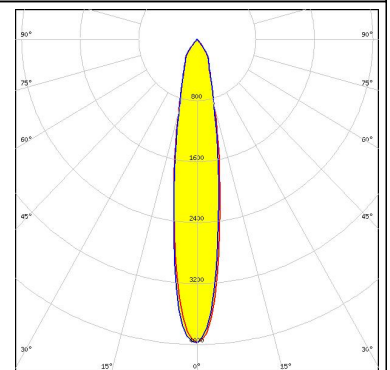
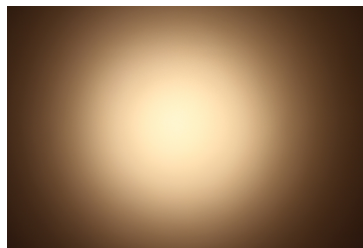
FWHM 19.0°

Efficiency 87 %

Peak intensity 4.000 cd/lm

Required components:

C14037_PF-NSX-SOCKET



LUMILEDS

LED LUXEON CoB 1202s

FWHM 15.0°

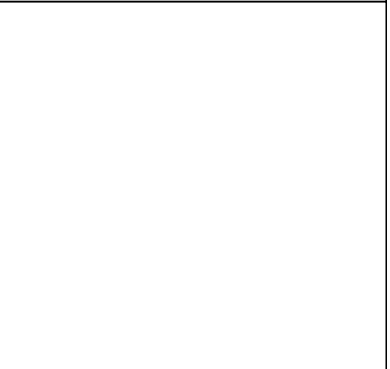
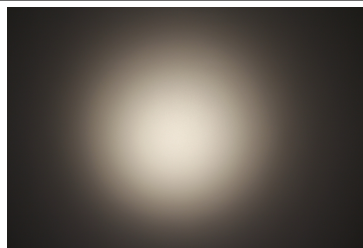
Efficiency 84 %

Peak intensity 5.900 cd/lm

Required components:

C13761_PF-SOCKET-CXA15

C12479_MIRELLA-DL



LUMILEDS

LED LUXEON CoB 1202s

FWHM 23.0°

Efficiency 79 %

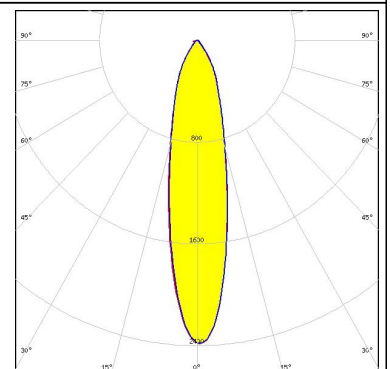
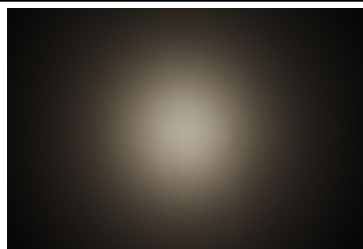
Peak intensity 2.400 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL

Bender Wirth: 452 Typ L1



PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON CoB 1202s
FWHM 13.0°
Efficiency 89 %
Peak intensity 7.900 cd/lm
Required components:
C13761_PF-SOCKET-CXA15



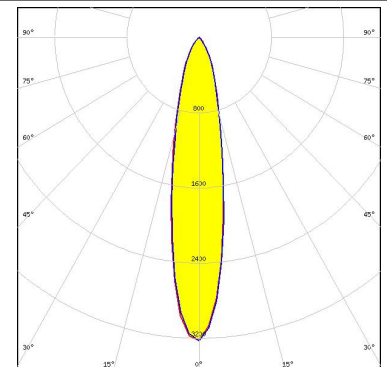
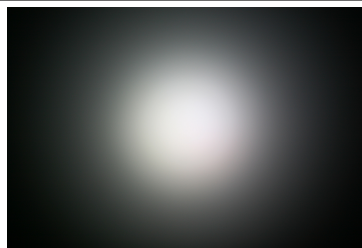
LUMILEDS

LED LUXEON CoB 1202s
FWHM 13.0°
Efficiency 84 %
Peak intensity 7.600 cd/lm
Required components:
C13761_PF-SOCKET-CXA15
C13333_MIRELLA-CL



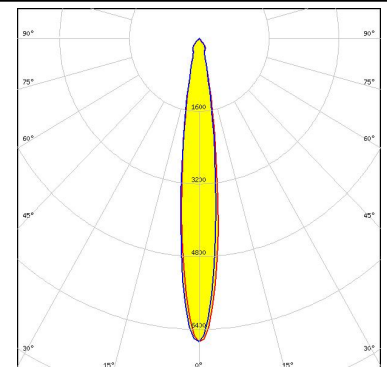
LUMILEDS

LED LUXEON Z RGB
FWHM 21.0°
Efficiency 78 %
Peak intensity 3.200 cd/lm
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



LUMINUS

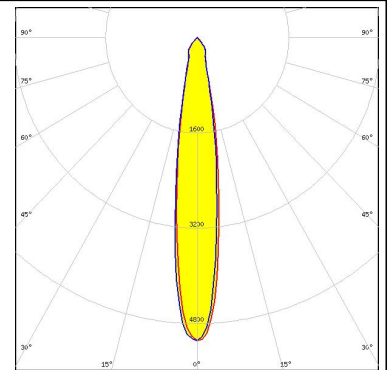
LED CXM-6
FWHM 14.0°
Efficiency 86 %
Peak intensity 6.700 cd/lm
Required components:
C13083_PF-SOCKET



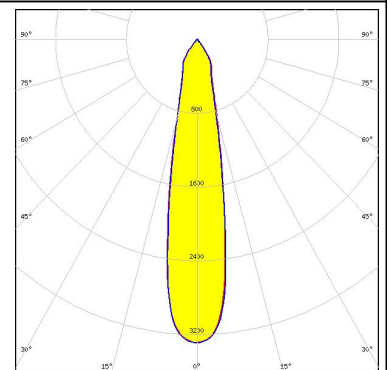
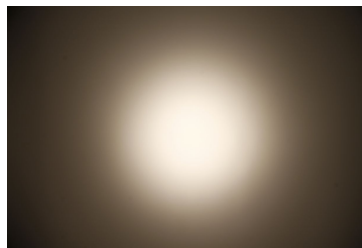
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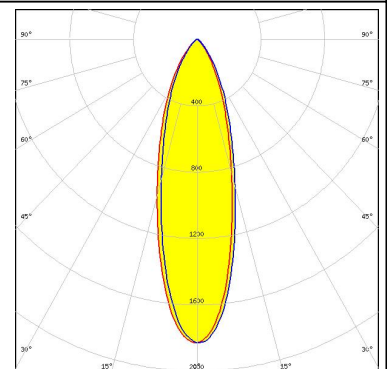
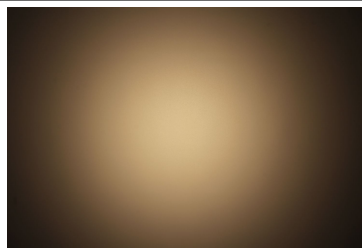
LED CXM-7
 FWHM 17.0°
 Efficiency 87 %
 Peak intensity 5.100 cd/lm
 Required components:
 C13083_PF-SOCKET



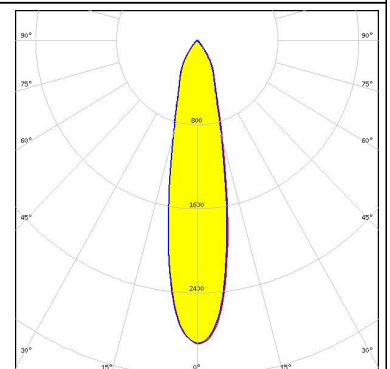
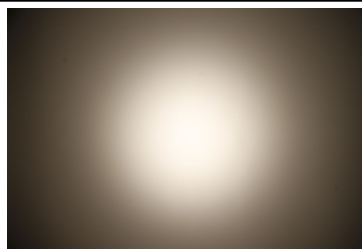
LED CXM-9
 FWHM 21.0°
 Efficiency 85 %
 Peak intensity 3.300 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



LED CXM-9
 FWHM 30.0°
 Efficiency 81 %
 Peak intensity 1.800 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



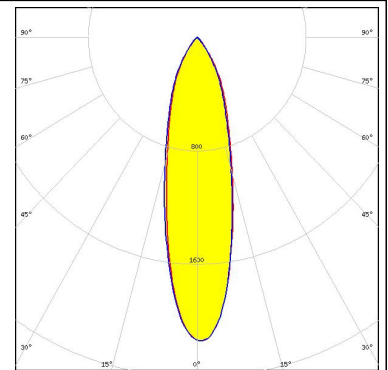
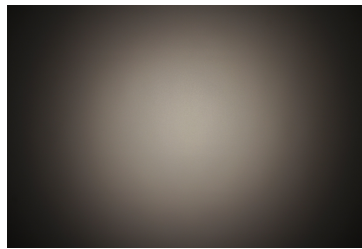
LED CXM-9
 FWHM 23.0°
 Efficiency 86 %
 Peak intensity 2.900 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



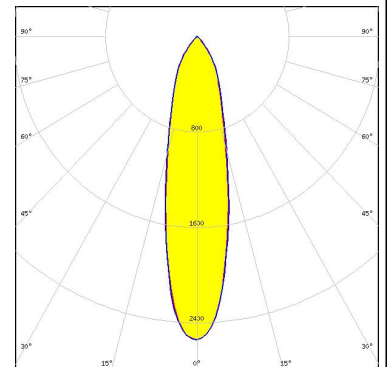
PHOTOMETRIC DATA (MEASURED):



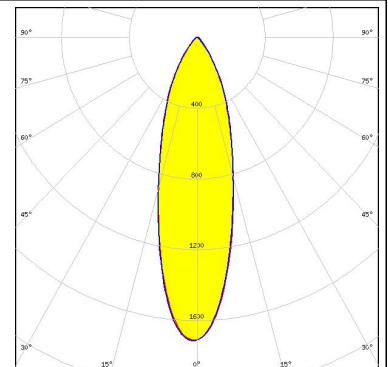
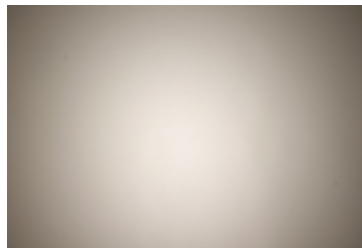
LED COB L-Type (LES 11)
 FWHM 26.0°
 Efficiency 80 %
 Peak intensity 2.100 cd/lm
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



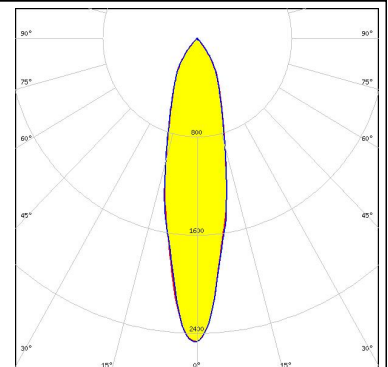
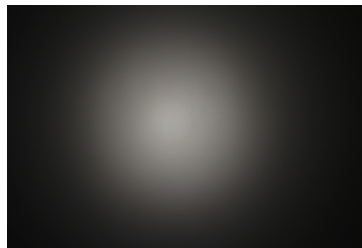
LED COB L-Type (LES 11)
 FWHM 25.0°
 Efficiency 86 %
 Peak intensity 2.540 cd/lm
 Required components:
 C14037_PF-NSX-SOCKET




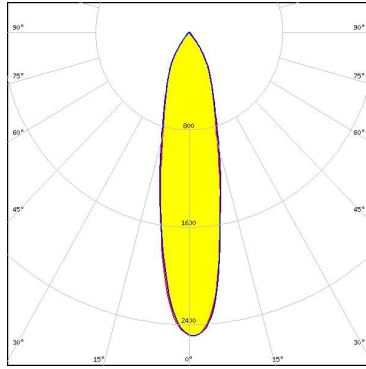
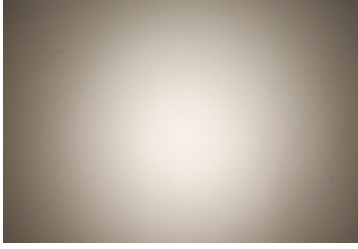
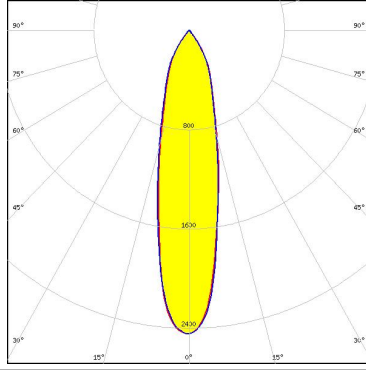
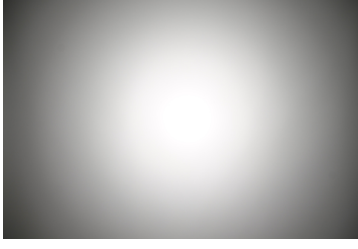
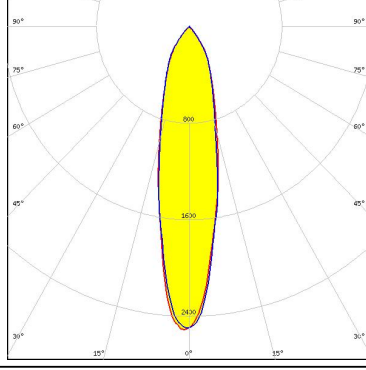

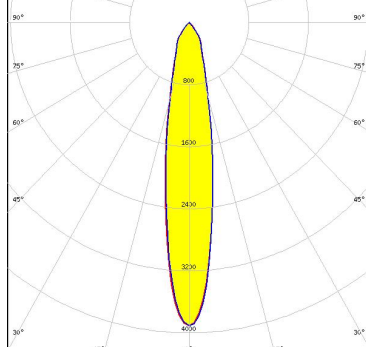
LED COB L-Type (LES 11)
 FWHM 30.0°
 Efficiency 76 %
 Peak intensity 1.700 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



LED COB L-Type (LES 11)
 FWHM 25.0°
 Efficiency 83 %
 Peak intensity 2.500 cd/lm
 Required components:
 IDEAL: 50-2100NC +50-2100MR



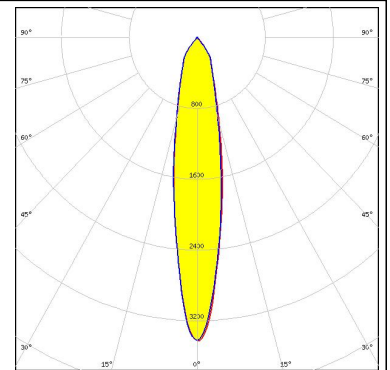
PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED COB L-Type (LES 11) FWHM 24.0° Efficiency 81 % Peak intensity 2.500 cd/lm Required components: C13333_MIRELLA-CL IDEAL: 50-2100NC +50-2100MR</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 11) FWHM 24.0° Efficiency 78 % Peak intensity 2.400 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 C13333_MIRELLA-CL Bender Wirth: 438 Typ L1</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 11) FWHM 24.0° Efficiency 81 % Peak intensity 2.500 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 Bender Wirth: 438 Typ L1</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 9) FWHM 19.0° Efficiency 88 % Peak intensity 3.900 cd/lm Required components: C14037_PF-NSX-SOCKET</p>		

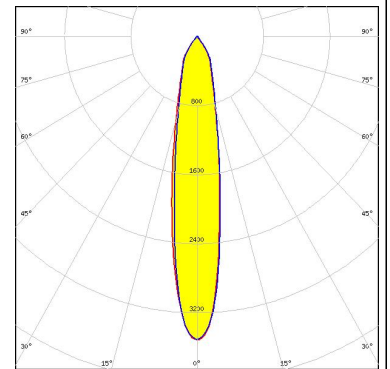
PHOTOMETRIC DATA (MEASURED):



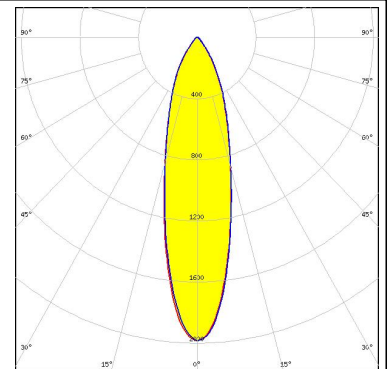
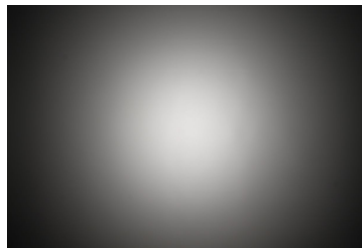
LED COB L-Type (LES 9)
 FWHM 19.0°
 Efficiency 85 %
 Peak intensity 3.400 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



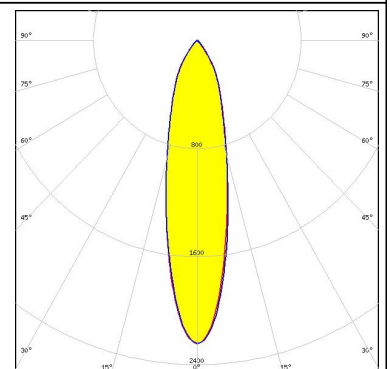
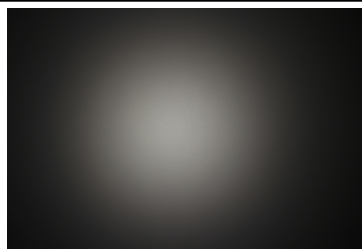
LED COB L-Type (LES 9)
 FWHM 18.0°
 Efficiency 83 %
 Peak intensity 3.500 cd/lm
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



LED COB L-Type (LES 9)
 FWHM 27.0°
 Efficiency 77 %
 Peak intensity 2.000 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



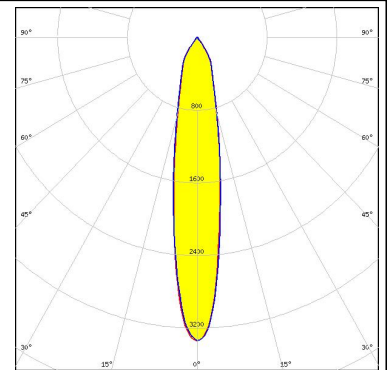
LED COB L-Type (LES 9)
 FWHM 24.0°
 Efficiency 78 %
 Peak intensity 2.200 cd/lm
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



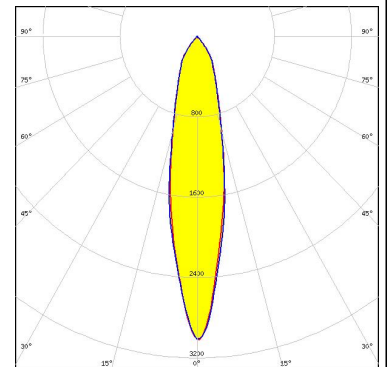
PHOTOMETRIC DATA (MEASURED):



LED COB L-Type (LES 9)
FWHM 18.0°
Efficiency 80 %
Peak intensity 3.300 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 438 Typ L1



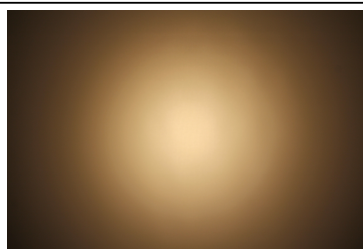
LED COB L-Type (LES 9)
FWHM 22.0°
Efficiency 84 %
Peak intensity 3.000 cd/lm
Required components:
IDEAL: 50-2100NC +50-2100MR



LED NSCxL036A
FWHM 16.0°
Efficiency 86 %
Peak intensity 5.060 cd/lm
Required components:
C14037_PF-NSX-SOCKET



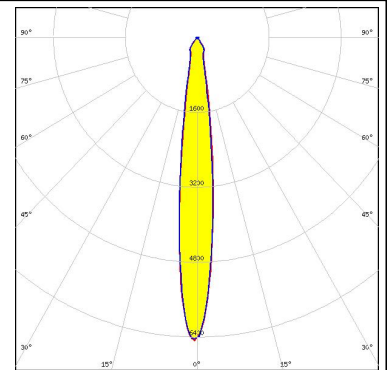
LED Duris S10
FWHM 18.0°
Efficiency 80 %
Peak intensity 3.600 cd/lm
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

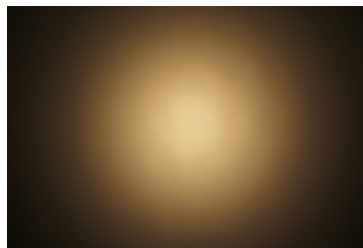
OSRAM
Opto Semiconductors

LED Duris S10
FWHM 13.0°
Efficiency 81 %
Peak intensity 6.500 cd/lm
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



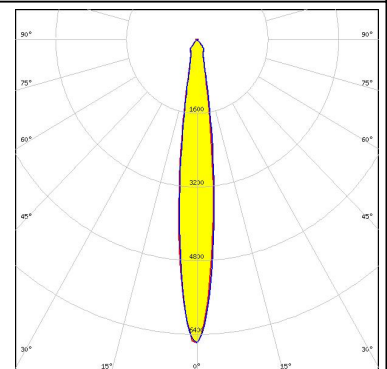
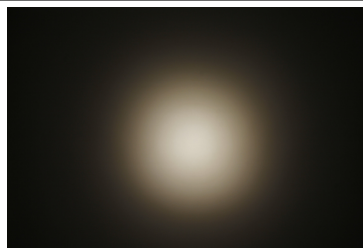
OSRAM
Opto Semiconductors

LED Duris S10
FWHM 22.0°
Efficiency 82 %
Peak intensity 3.000 cd/lm
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



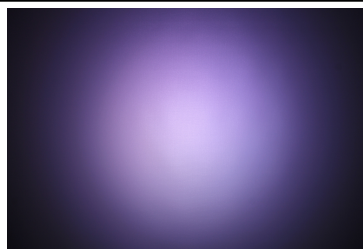
OSRAM
Opto Semiconductors

LED Duris S10
FWHM 13.0°
Efficiency 87 %
Peak intensity 6.600 cd/lm
Required components:
C13083_PF-SOCKET



OSRAM
Opto Semiconductors

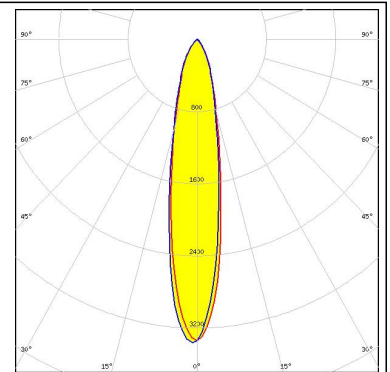
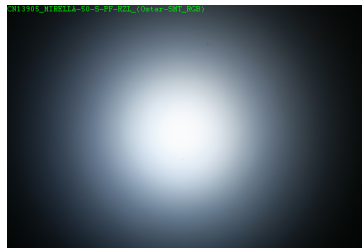
LED OSTAR Stage (S2WP)
FWHM 21.0°
Efficiency 83 %
Peak intensity 3.340 cd/lm
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



PHOTOMETRIC DATA (MEASURED):

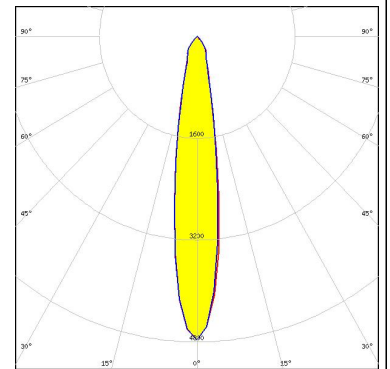
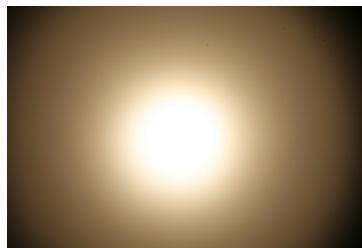
OSRAM
Opto Semiconductors

LED Ostar-SMT RGB
 FWHM 20.0°
 Efficiency 82 %
 Peak intensity 3.400 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



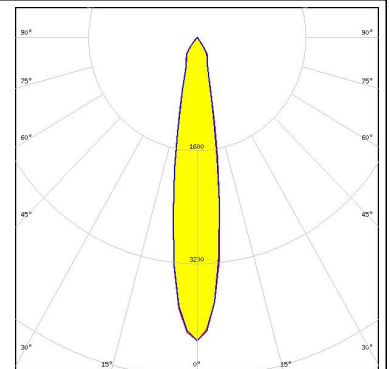
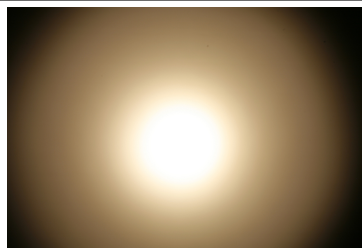
SEOL
SEOUL SEMICONDUCTOR

LED ZC4/6
 FWHM 18.0°
 Efficiency 88 %
 Peak intensity 4.800 cd/lm
 Required components:
 C13083_PF-SOCKET



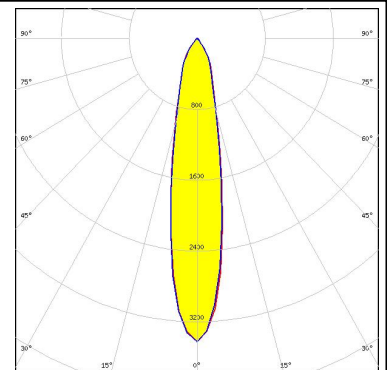
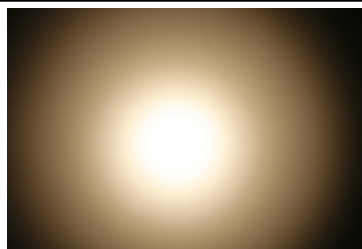
SEOL
SEOUL SEMICONDUCTOR

LED ZC4/6
 FWHM 19.0°
 Efficiency 83 %
 Peak intensity 4.300 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



SEOL
SEOUL SEMICONDUCTOR

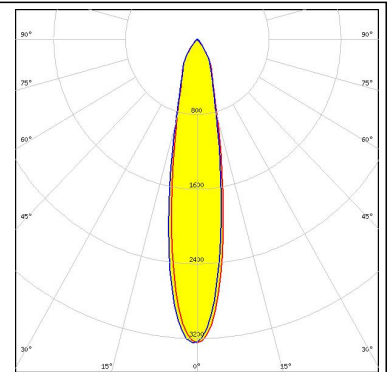
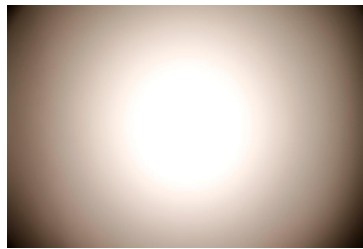
LED ZC4/6
 FWHM 21.0°
 Efficiency 83 %
 Peak intensity 3.400 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

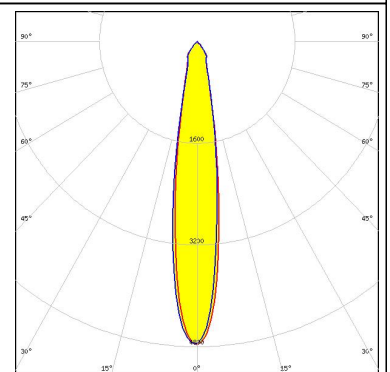
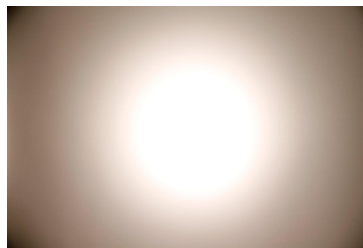
SHARP

LED Mini Zenigata (GW6BM)
FWHM 20.0°
Efficiency 84 %
Peak intensity 3.200 cd/lm
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



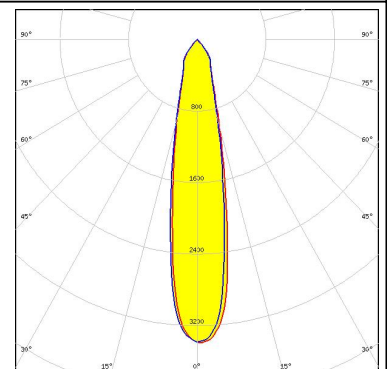
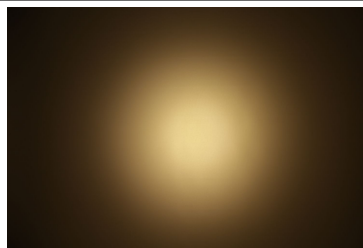
SHARP

LED Mini Zenigata (GW6BM)
FWHM 17.0°
Efficiency 91 %
Peak intensity 4.800 cd/lm
Required components:
C13083_PF-SOCKET



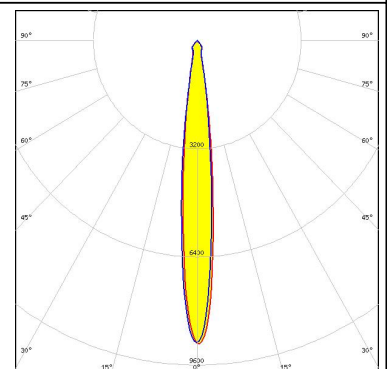
TRIDONIC

LED SLE G5 LES11
FWHM 21.0°
Efficiency 88 %
Peak intensity 3.390 cd/lm
Required components:
C13083_PF-SOCKET



TRIDONIC

LED SLE G5 LES6
FWHM 12.0°
Efficiency 89 %
Peak intensity 8.980 cd/lm
Required components:
C13083_PF-SOCKET



PHOTOMETRIC DATA (MEASURED):

XICATO

LED XTM - 9mm LES

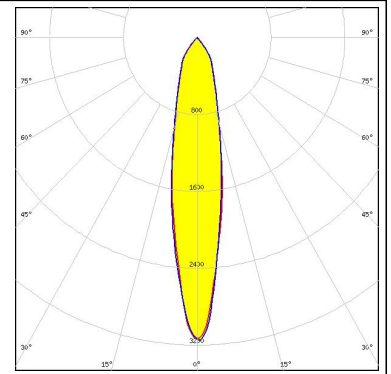
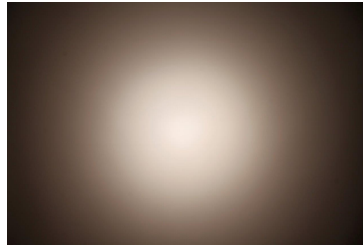
FWHM 20.0°

Efficiency 82 %

Peak intensity 3.200 cd/lm

Required components:

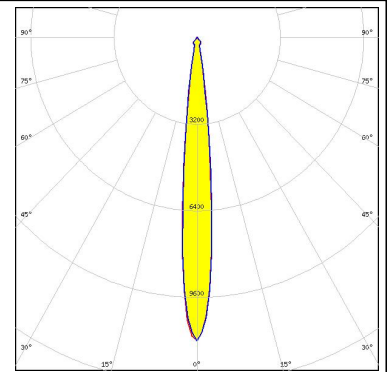
C14636_XTM-PF-ADAPTER



PHOTOMETRIC DATA (SIMULATED):



LED XHP50.2
FWHM 11.0°
Efficiency 90 %
Peak intensity 11.200 cd/lm
Required components:



LED LUXEON CoB Compact
FWHM 15.0°
Efficiency 84 %
Peak intensity 4.800 cd/lm
Required components:
C13761_PF-SOCKET-CXA15
C12479_MIRELLA-DL



LED LUXEON CoB Compact
FWHM 13.0°
Efficiency 89 %
Peak intensity 7.900 cd/lm
Required components:
C13761_PF-SOCKET-CXA15



LED LUXEON CoB Compact
FWHM 23.0°
Efficiency 79 %
Peak intensity 2.400 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 452 Typ L1

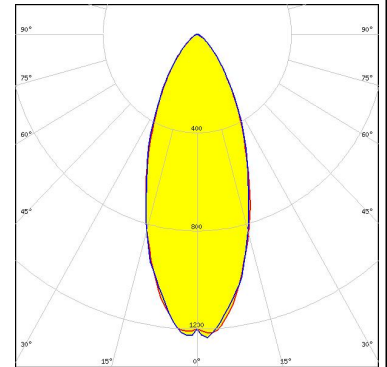
PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON CoB Compact
FWHM 13.0°
Efficiency 84 %
Peak intensity 7.600 cd/lm
Required components:
C13761_PF-SOCKET-CXA15
C13333_MIRELLA-CL

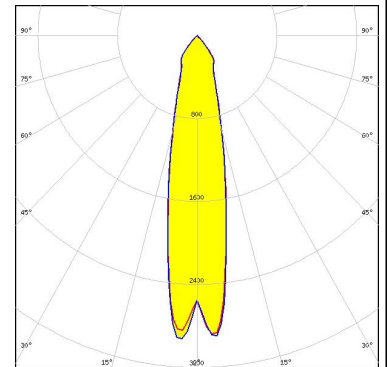
LUMILEDS

LED LUXEON K4
FWHM 42.0°
Efficiency 84 %
Peak intensity 1.210 cd/lm
Required components:
C13761_PF-SOCKET-CXA15
C12479_MIRELLA-DL



LUMILEDS

LED LUXEON K4
FWHM 24.0°
Efficiency 88 %
Peak intensity 2.880 cd/lm
Required components:
C13761_PF-SOCKET-CXA15



LUMINUS

LED CXM-14
FWHM 33.0°
Efficiency 69 %
Peak intensity 1.400 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 433 Typ L1

PHOTOMETRIC DATA (SIMULATED):

LUMINUS

LED CXM-14
FWHM 29.0°
Efficiency 76 %
Peak intensity 1.800 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

LUMINUS

LED CXM-14
FWHM 31.0°
Efficiency 72 %
Peak intensity 1.700 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL

Bender Wirth: 433 Typ L1

LUMINUS

LED CXM-9
FWHM 21.0°
Efficiency 84 %
Peak intensity 3.100 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1

LUMINUS

LED CXM-9
FWHM 20.0°
Efficiency 80 %
Peak intensity 3.100 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL

Bender Wirth: 434 Typ L1

PHOTOMETRIC DATA (SIMULATED):

LUMINUS

LED CXM-9
FWHM 27.0°
Efficiency 77 %
Peak intensity 2.000 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 434 Typ L1

NICHIA

LED COB S-Type (LES 7)
FWHM 19.0°
Efficiency 87 %
Peak intensity 3.900 cd/lm

Required components:

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

NICHIA

LED COB S-Type (LES 7)
FWHM 23.0°
Efficiency 79 %
Peak intensity 2.400 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 452 Typ L1

NICHIA

LED COB S-Type (LES 7)
FWHM 15.0°
Efficiency 83 %
Peak intensity 4.900 cd/lm

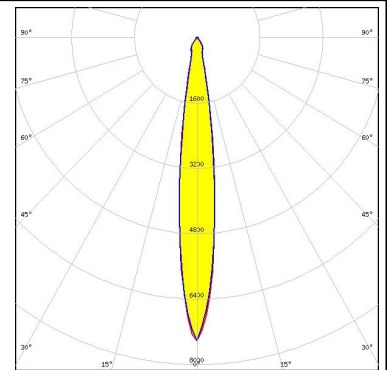
Required components:

C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 452 Typ L1

PHOTOMETRIC DATA (SIMULATED):

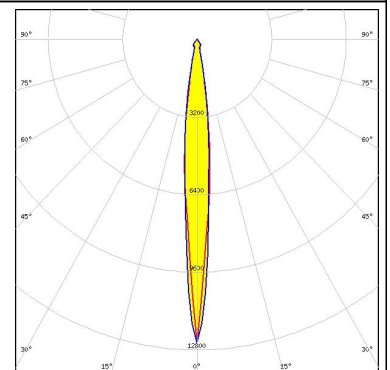
OSRAM
Opto Semiconductors

LED Duris S8
 FWHM 14.0°
 Efficiency 90 %
 Peak intensity 7.400 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



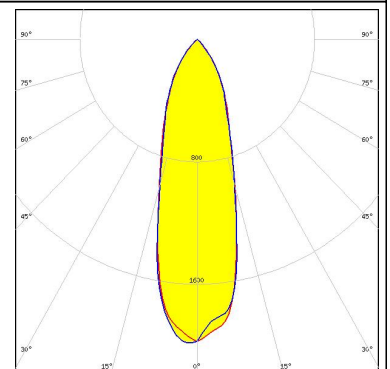
OSRAM
Opto Semiconductors

LED Duris S8
 FWHM 9.5°
 Efficiency 94 %
 Peak intensity 12.500 cd/lm
 Required components:
 C13083_PF-SOCKET



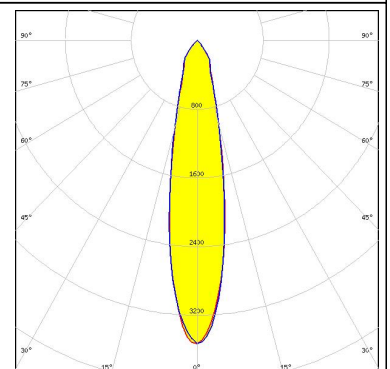
OSRAM
Opto Semiconductors

LED Soleriq S15
 FWHM 28.0°
 Efficiency 85 %
 Peak intensity 1.990 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 433 Typ L1



OSRAM
Opto Semiconductors

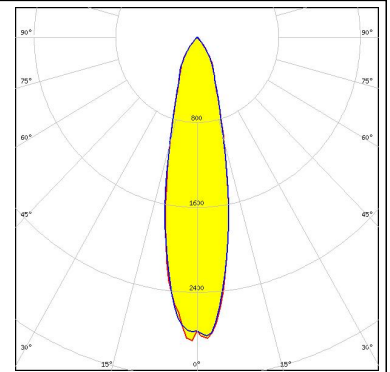
LED Soleriq S9
 FWHM 21.0°
 Efficiency 91 %
 Peak intensity 3.500 cd/lm
 Required components:
 C13083_PF-SOCKET



PHOTOMETRIC DATA (SIMULATED):

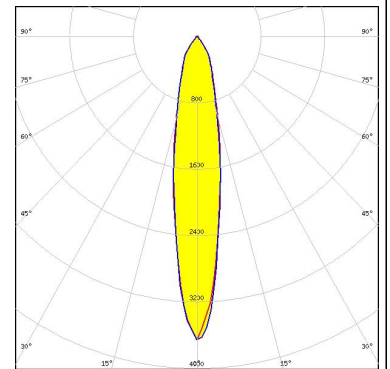
OSRAM
Opto Semiconductors

LED Soleriq S9
 FWHM 24.0°
 Efficiency 87 %
 Peak intensity 2.900 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



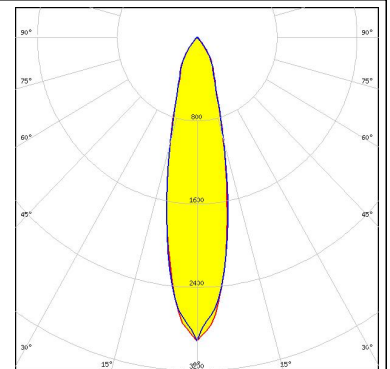
OSRAM
Opto Semiconductors

LED Soleriq S9
 FWHM 19.0°
 Efficiency 87 %
 Peak intensity 3.700 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1



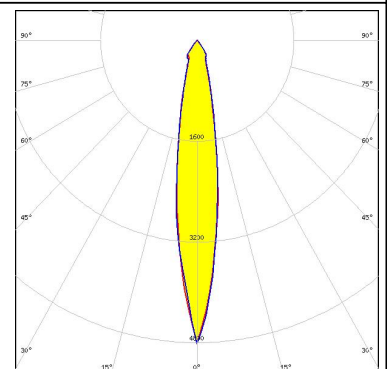
OSRAM
Opto Semiconductors

LED Soleriq S9
 FWHM 24.0°
 Efficiency 86 %
 Peak intensity 2.900 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



SAMSUNG

LED LC010C
 FWHM 16.0°
 Efficiency 87 %
 Peak intensity 4.800 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 479 Typ L1



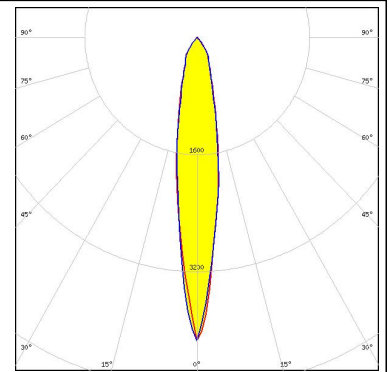
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LC020C
FWHM 16.0°
Efficiency 86 %
Peak intensity 4.100 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
Bender Wirth: 479 Typ L1

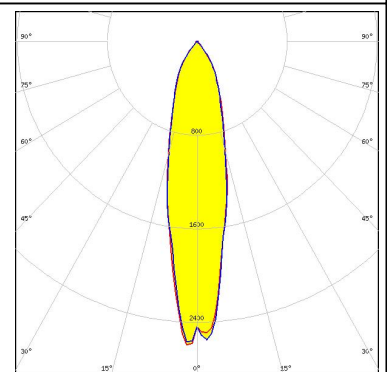


SAMSUNG

LED LC040C
FWHM 23.0°
Efficiency 84 %
Peak intensity 2.600 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
Bender Wirth: 480 Typ L1



SEOUL SEMICONDUCTOR

LED ZC4/6
FWHM 27.0°
Efficiency 77 %
Peak intensity 2.000 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 434 Typ L1



SEOUL SEMICONDUCTOR

LED ZC4/6
FWHM 21.0°
Efficiency 84 %
Peak intensity 3.100 cd/lm

Required components:

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

PHOTOMETRIC DATA (SIMULATED):



SEOUL SEMICONDUCTOR

LED	ZC4/6
FWHM	20.0°
Efficiency	80 %
Peak intensity	3.100 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 434 Typ L1

GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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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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