

MIRELLA-50-W-PF

~40° wide 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	2.8 kg
Quantity in Box	336 pcs
ROHS compliant	yes ⓘ



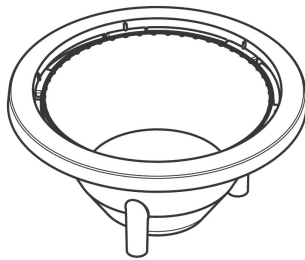
MATERIAL SPECIFICATIONS:

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

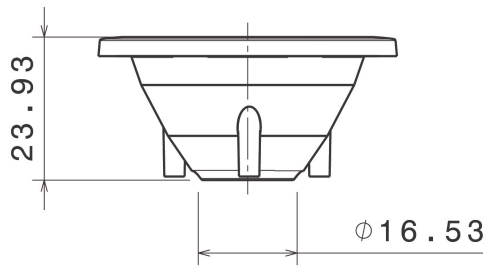
[http://www.delo.de/fileadmin/datasheet/DELO-PUR_9895_\(TIDB-GB\).pdf](http://www.delo.de/fileadmin/datasheet/DELO-PUR_9895_(TIDB-GB).pdf)

NOTE: It is recommended to use glue like DELO-PUR 9895 for pin fastening.

4



Isometric view

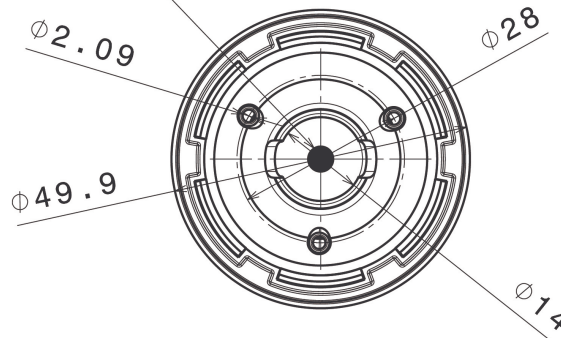


Front view

3

3

LED position



Bottom view

2

2

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C13087	MIRELLA-50-W-PF	PC	metal

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE

C13087_MIRELLA-50-W-PF

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SIZE PART NUMBER

A4

C13087

SCALE 1:1 WEIGHT 4,14 g SHEET 1/1

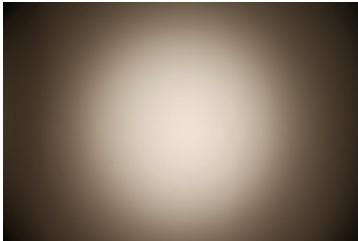
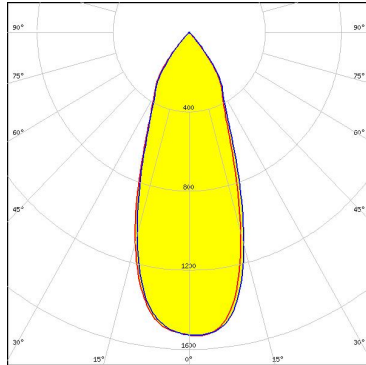
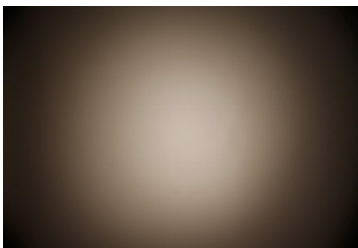
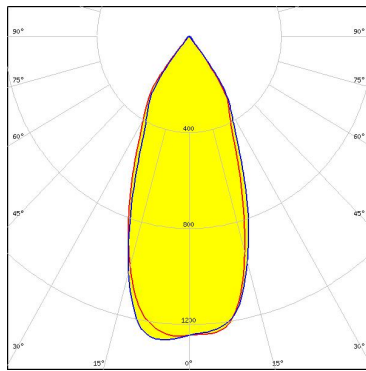


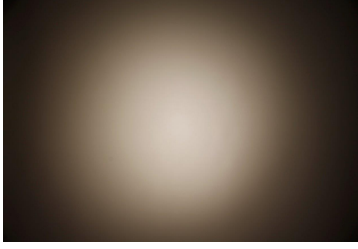
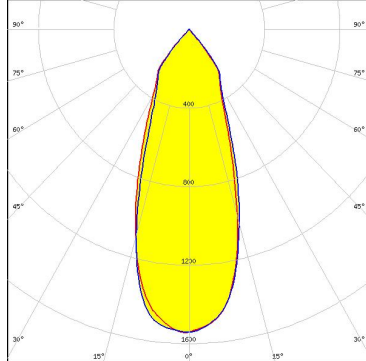
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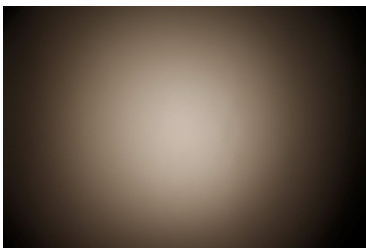
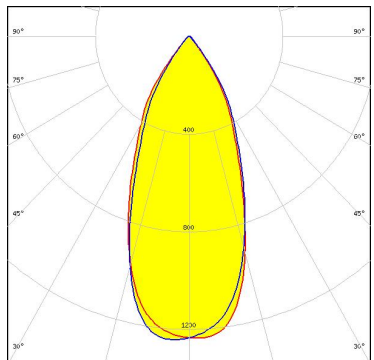
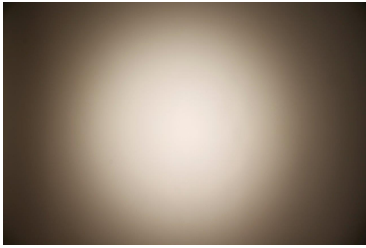
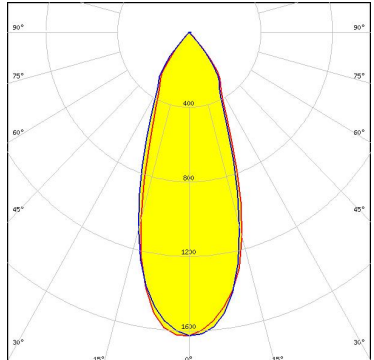
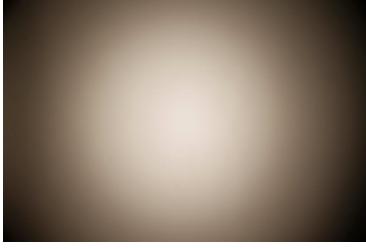
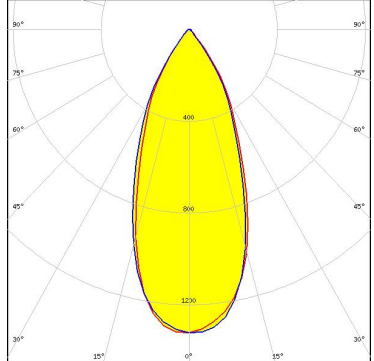
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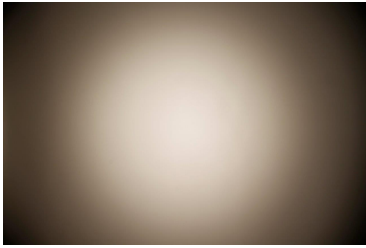
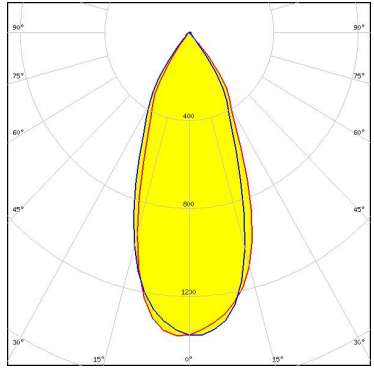
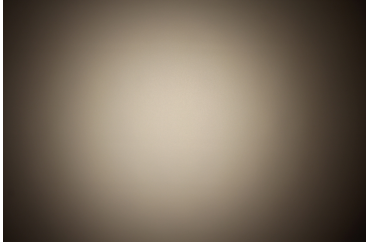

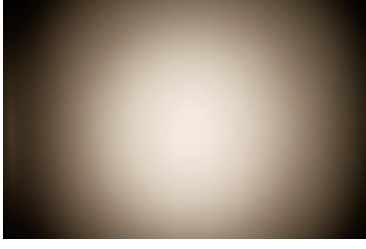
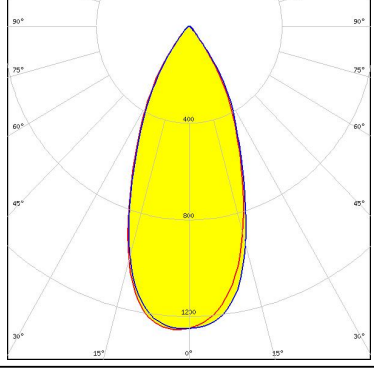
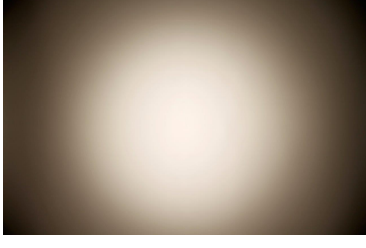
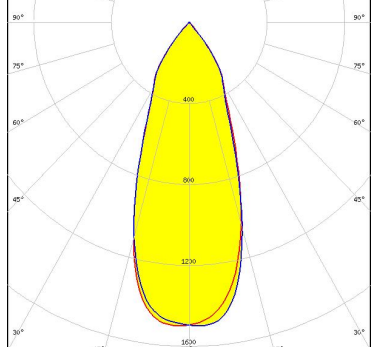
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V10 Gen6</p> <p>FWHM 39.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 1.500 cd/lm</p> <p>Required components: C14115_PF-SOCKET-CXA15-18</p>		
<p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM 44.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>Required components: C13761_PF-SOCKET-CXA15 C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM 31.0°</p> <p>Efficiency 74 %</p> <p>Peak intensity 2.100 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 39.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.500 cd/lm</p> <p>Required components: C13761_PF-SOCKET-CXA15</p>		


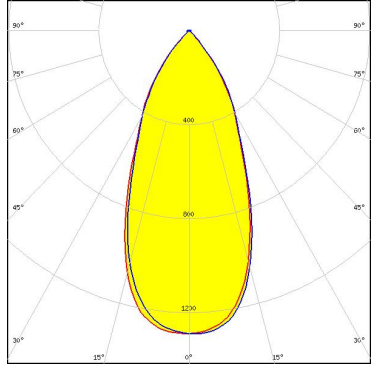
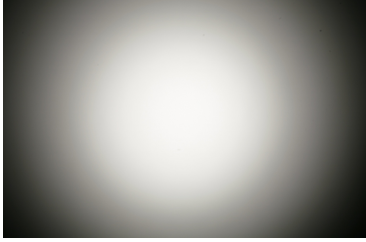
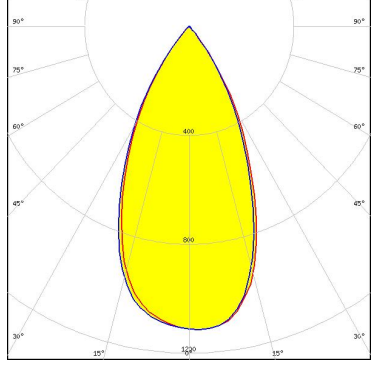
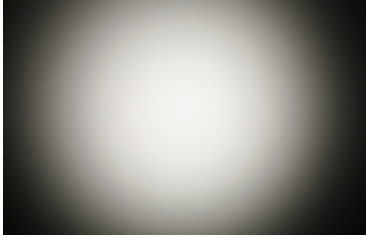
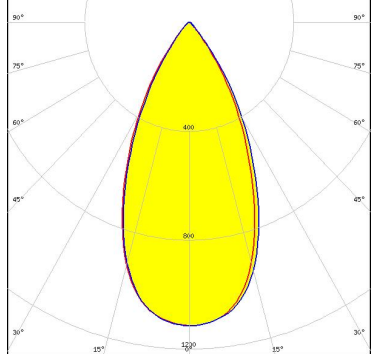
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM 27.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.690 cd/lm</p> <p>Required components: C13709_PF-SOCKET-VERO13-18 Bender Wirth: 460 Typ L1</p>		
<p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM 44.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.250 cd/lm</p> <p>Required components: C13761_PF-SOCKET-CXA15 C12479_MIRELLA-DL</p>		
<p>bridgelux.</p> <p>LED V8 Gen6</p> <p>FWHM 38.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.600 cd/lm</p> <p>Required components: C13761_PF-SOCKET-CXA15</p>		
<p>bridgelux.</p> <p>LED V8 Gen6</p> <p>FWHM 43.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.330 cd/lm</p> <p>Required components: C13761_PF-SOCKET-CXA15 C12479_MIRELLA-DL</p>		

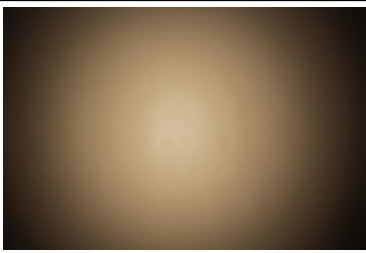
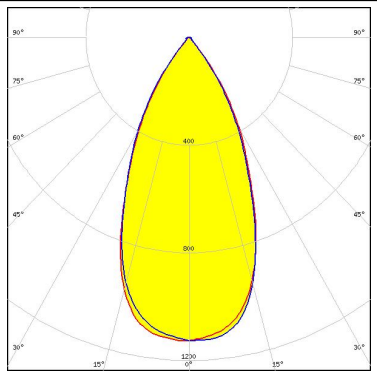

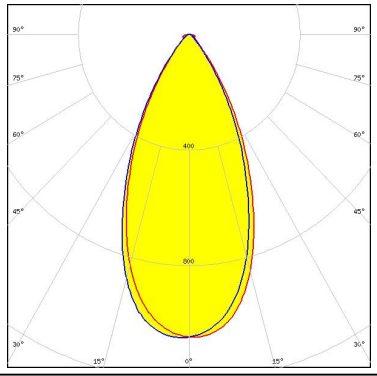
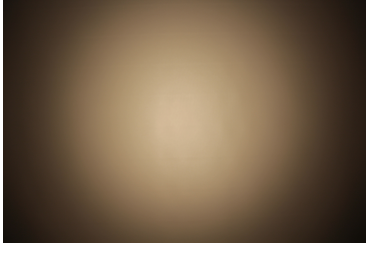
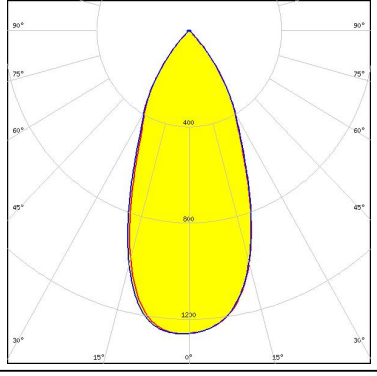
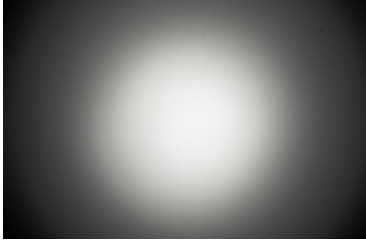

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V8 Gen6</p> <p>FWHM 42.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.380 cd/lm</p> <p>Required components:</p> <p>C13761_PF-SOCKET-CXA15</p> <p>C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED V8 Gen6</p> <p>FWHM 36.0°</p> <p>Efficiency 73 %</p> <p>Peak intensity 1.800 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C12479_MIRELLA-DL</p> <p>Bender Wirth: 460 Typ L1</p>		
<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 44.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>Required components:</p> <p>C13708_PF-SOCKET-VERO10</p> <p>C12479_MIRELLA-DL</p>		
<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 40.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.500 cd/lm</p> <p>Required components:</p> <p>C13708_PF-SOCKET-VERO10</p>		

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO10 FWHM 44.0° Efficiency 80 % Peak intensity 1.300 cd/lm Required components: C13708_PF-SOCKET-VERO10 C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED VERO13 FWHM 46.0° Efficiency 90 % Peak intensity 1.290 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED VERO13 FWHM 51.0° Efficiency 77 % Peak intensity 1.100 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED VERO13 FWHM 50.0° Efficiency 82 % Peak intensity 1.120 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 C12479_MIRELLA-DL</p>		

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED Xenio Point 13mm FWHM 49.0° Efficiency 81 % Peak intensity 1.130 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED Xenio Point 13mm FWHM 48.0° Efficiency 78 % Peak intensity 1.050 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 C12479_MIRELLA-DL</p>		
<p>bridgelux.</p> <p>LED Xenio Point 13mm FWHM 45.0° Efficiency 85 % Peak intensity 1.260 cd/lm Required components: C13709_PF-SOCKET-VERO13-18</p>		
<p>CITIZEN</p> <p>LED CLL01x FWHM 36.0° Efficiency 90 % Peak intensity 1.800 cd/lm Required components: C13083_PF-SOCKET</p>		

PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL01x
FWHM 44.0°
Efficiency 86 %
Peak intensity 1.400 cd/lm
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



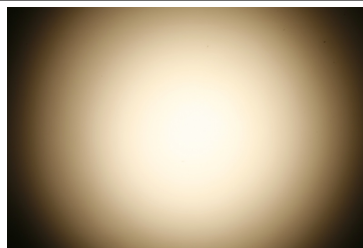
CITIZEN

LED CLL01x
FWHM 42.0°
Efficiency 86 %
Peak intensity 1.400 cd/lm
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



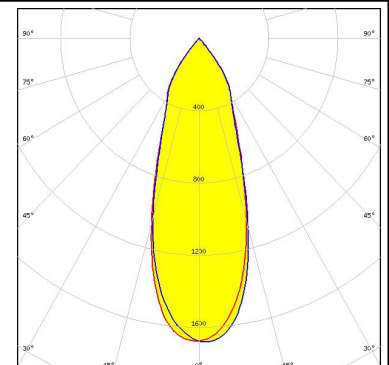
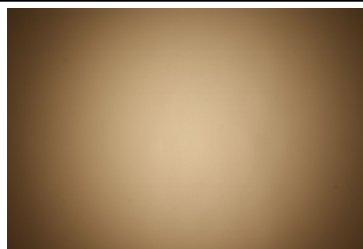
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 46.0°
Efficiency 86 %
Peak intensity 1.500 cd/lm
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 36.0°
Efficiency 84 %
Peak intensity 1.700 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 434 Typ L1



PHOTOMETRIC DATA (MEASURED):

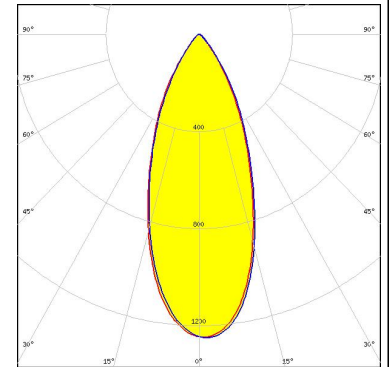
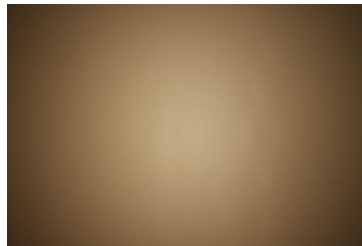
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 46.0°
Efficiency 86 %
Peak intensity 1.500 cd/lm
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



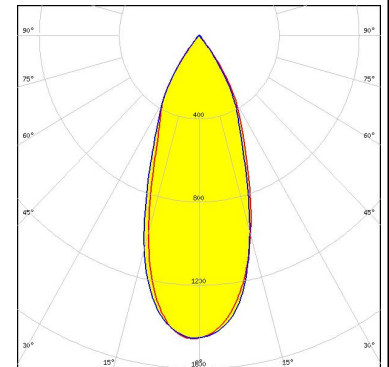
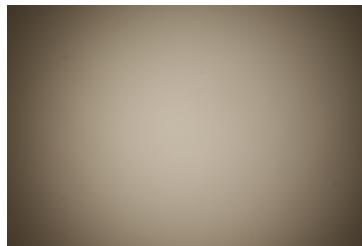
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 41.0°
Efficiency 76 %
Peak intensity 1.300 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 434 Typ L1



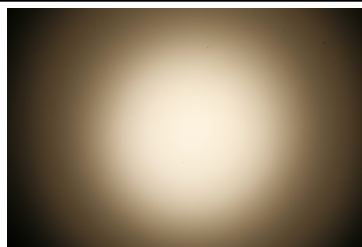
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 39.0°
Efficiency 78 %
Peak intensity 1.500 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 434 Typ L1



CITIZEN

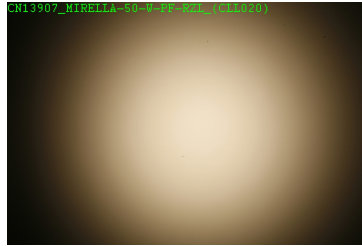
LED CLL02x/CLU02x (LES10)
FWHM 41.0°
Efficiency 90 %
Peak intensity 1.800 cd/lm
Required components:
C13083_PF-SOCKET



PHOTOMETRIC DATA (MEASURED):

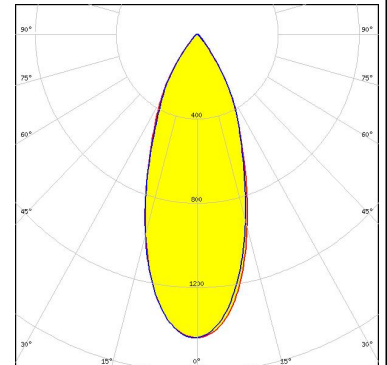
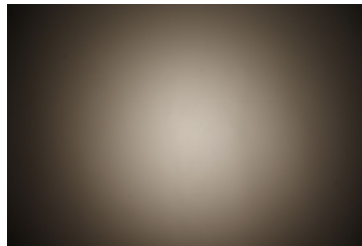
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 46.0°
 Efficiency %
 Peak intensity 0.700 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



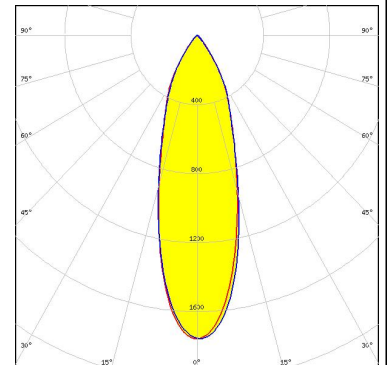
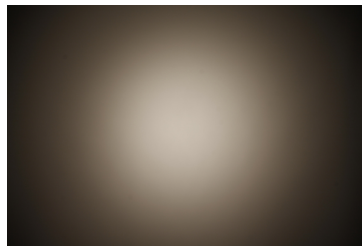
CITIZEN

LED CLU700/701
 FWHM 39.0°
 Efficiency 82 %
 Peak intensity 1.400 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



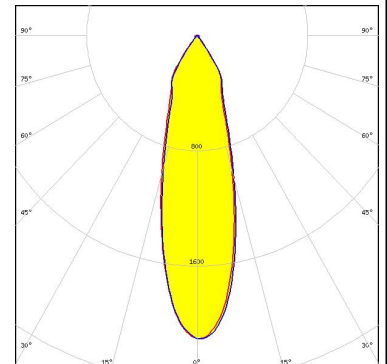
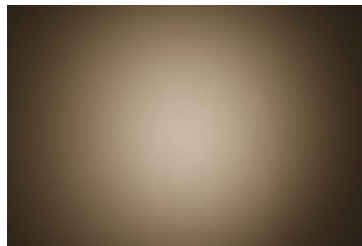
CITIZEN

LED CLU700/701
 FWHM 31.0°
 Efficiency 77 %
 Peak intensity 1.800 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 434 Typ L1



CITIZEN

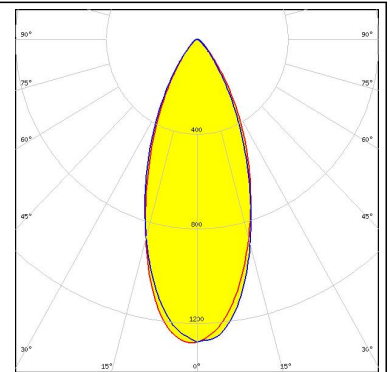
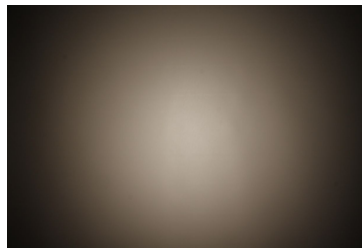
LED CLU700/701
 FWHM 29.0°
 Efficiency 80 %
 Peak intensity 2.100 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 434 Typ L1



PHOTOMETRIC DATA (MEASURED):

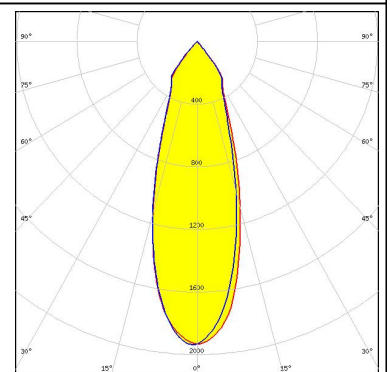
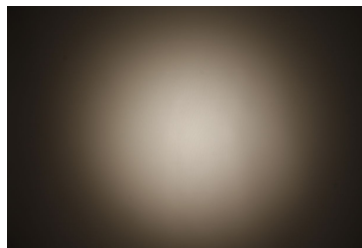
CITIZEN

LED CLU700/701
 FWHM 42.0°
 Efficiency 81 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



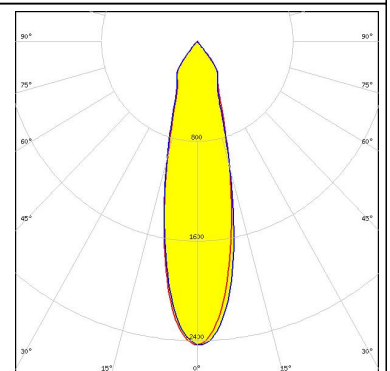
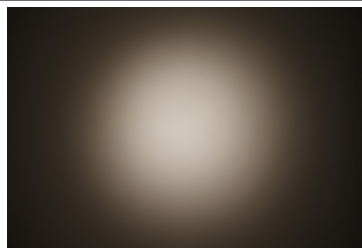
CITIZEN

LED CLU700/701
 FWHM 33.0°
 Efficiency 88 %
 Peak intensity 1.900 cd/lm
 Required components:
 C13083_PF-SOCKET



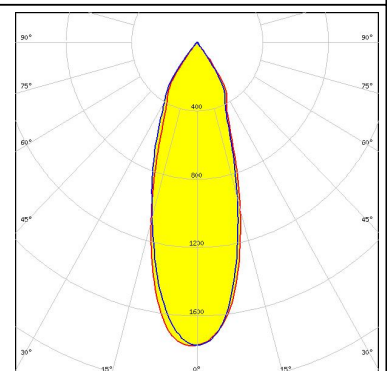
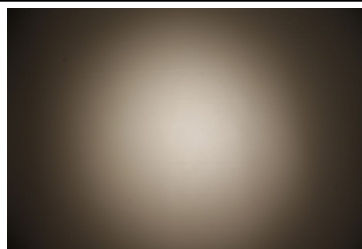
CITIZEN

LED CLU700/701
 FWHM 26.0°
 Efficiency 83 %
 Peak intensity 2.400 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1



CITIZEN

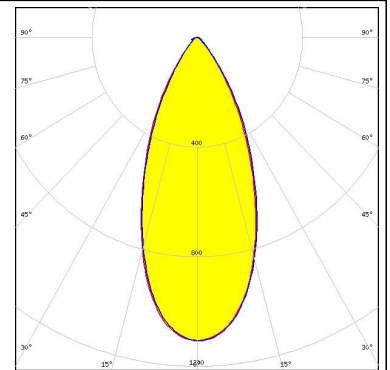
LED CLU700/701
 FWHM 34.0°
 Efficiency 81 %
 Peak intensity 1.800 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

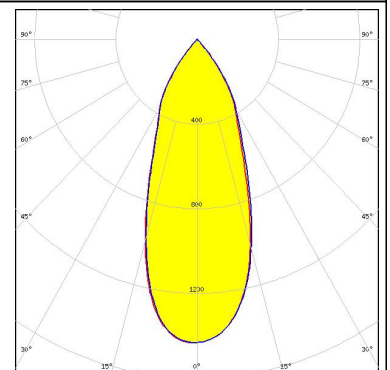
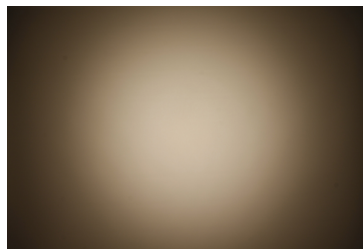
CITIZEN

LED CLU720/721
 FWHM 44.0°
 Efficiency 74 %
 Peak intensity 1.100 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 433 Typ L1



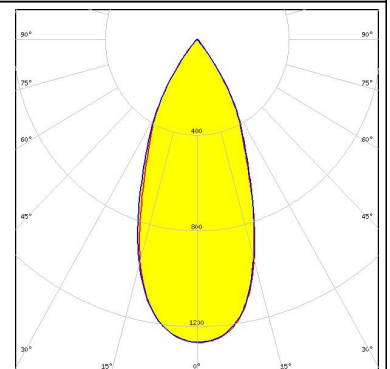
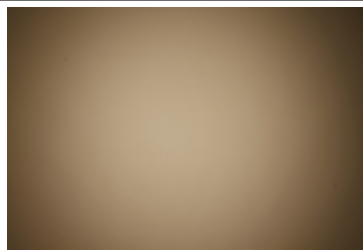
CITIZEN

LED CLU720/721
 FWHM 40.0°
 Efficiency 81 %
 Peak intensity 1.400 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 433 Typ L1



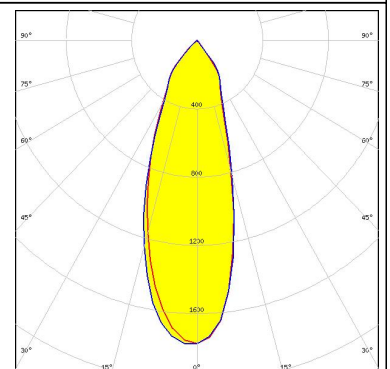
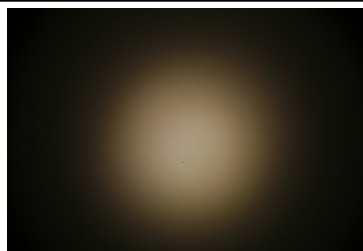
CITIZEN

LED CLU720/721
 FWHM 43.0°
 Efficiency 76 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 433 Typ L1



CREE

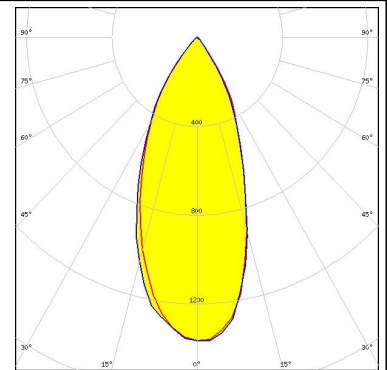
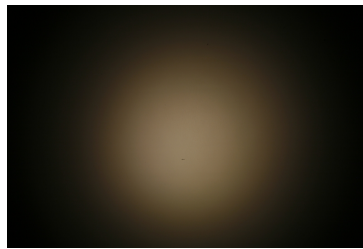
LED CXA/B 13xx
 FWHM 37.0°
 Efficiency 86 %
 Peak intensity 1.800 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15



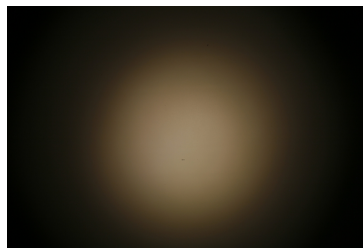
PHOTOMETRIC DATA (MEASURED):



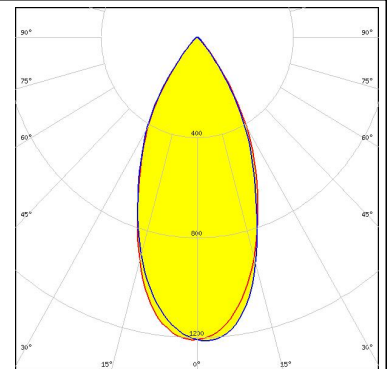
LED CXA/B 13xx
 FWHM 43.0°
 Efficiency 81 %
 Peak intensity 1.400 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



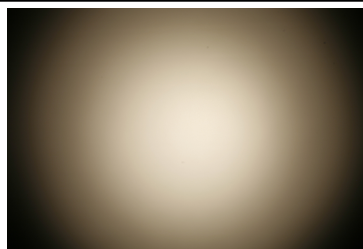
LED CXA/B 13xx
 FWHM 42.0°
 Efficiency 81 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



LED CXA/B 15xx
 FWHM 47.0°
 Efficiency 85 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



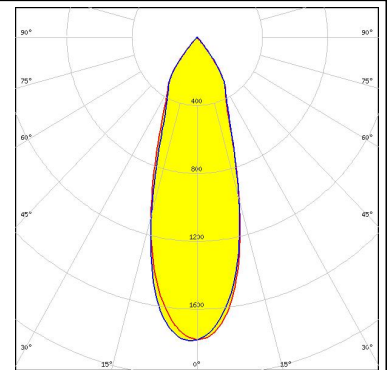
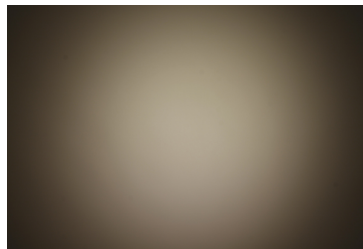
LED CXA/B 15xx
 FWHM 46.0°
 Efficiency 85 %
 Peak intensity 1.400 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



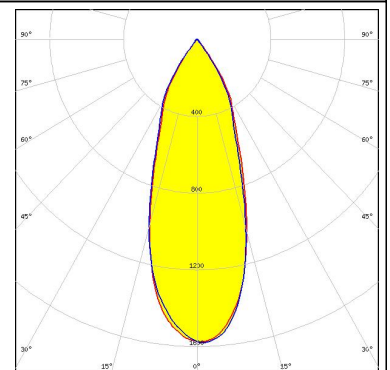
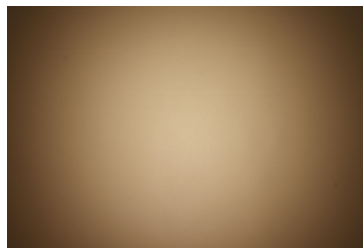
PHOTOMETRIC DATA (MEASURED):



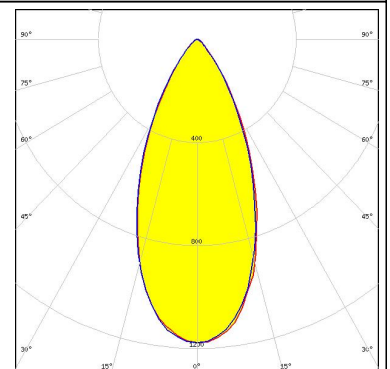
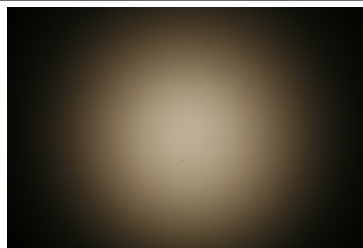
LED CXA/B 15xx
 FWHM 34.0°
 Efficiency 82 %
 Peak intensity 1.800 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 441 Typ L1



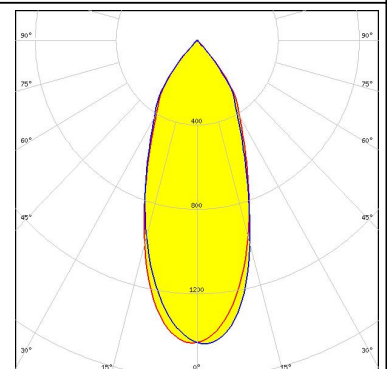
LED CXA/B 15xx
 FWHM 37.0°
 Efficiency 79 %
 Peak intensity 1.600 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 441 Typ L1



LED CXA/B 15xx
 FWHM 47.0°
 Efficiency 81 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15
 C13723_MIRELLA-RZL



LED CXA/B 15xx
 FWHM 41.0°
 Efficiency 90 %
 Peak intensity 1.400 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15



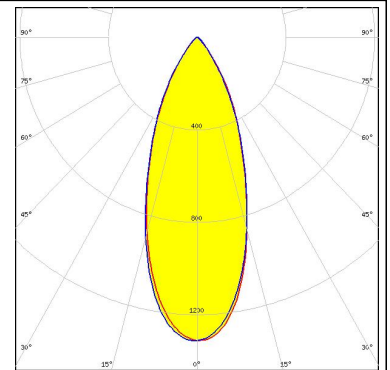
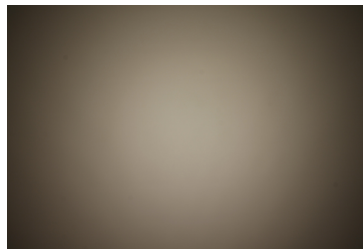
PHOTOMETRIC DATA (MEASURED):

CREE 

LED CXA/B 15xx
 FWHM 39.0°
 Efficiency 75 %
 Peak intensity 1.300 cd/lm

Required components:

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

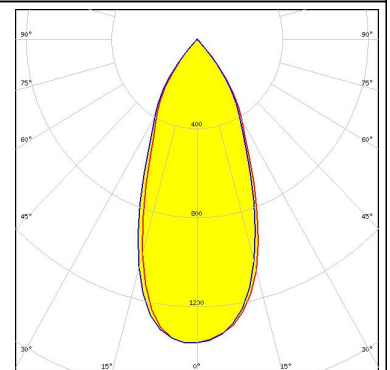
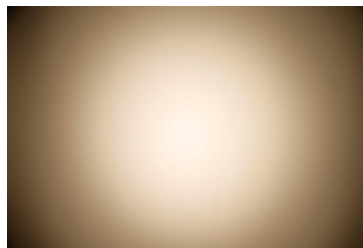


CREE 

LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 43.0°
 Efficiency 87 %
 Peak intensity 1.370 cd/lm

Required components:

IDEAL: 50-2101CR + 50-2100MR

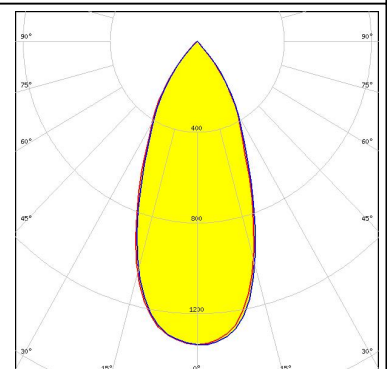
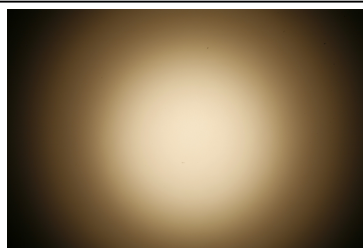


CREE 

LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 45.0°
 Efficiency 84 %
 Peak intensity 1.300 cd/lm

Required components:

C14115_PF-SOCKET-CXA15-18

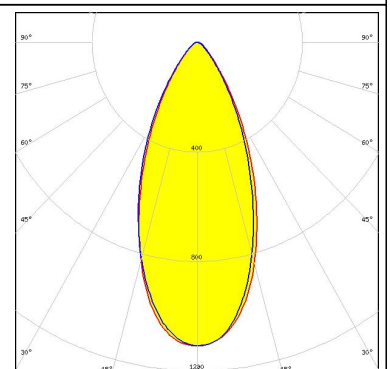
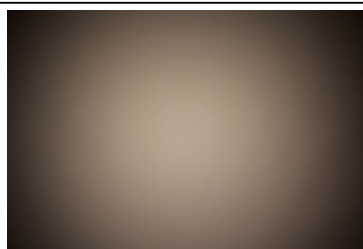


CREE 

LED MHD-E/G
 FWHM 45.0°
 Efficiency 82 %
 Peak intensity 1.100 cd/lm

Required components:

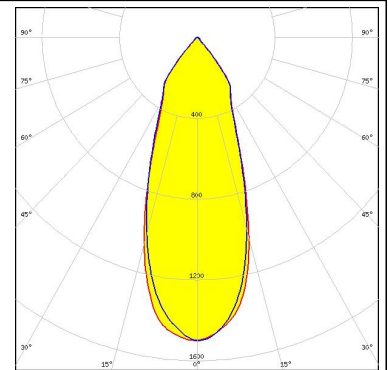
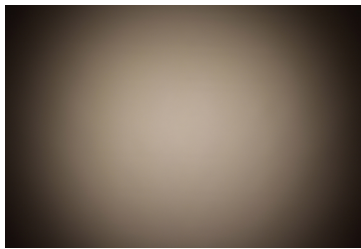
C13083_PF-SOCKET
 C13723_MIRELLA-RZL



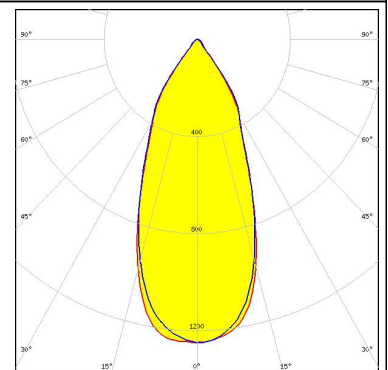
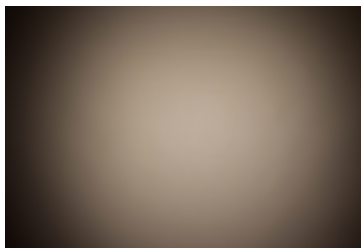
PHOTOMETRIC DATA (MEASURED):



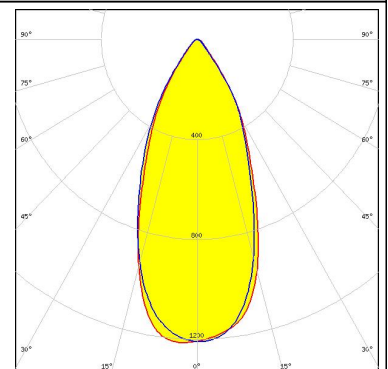
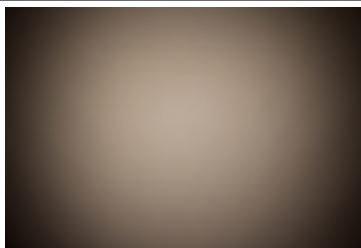
LED MHD-E/G
 FWHM 38.0°
 Efficiency 89 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13083_PF-SOCKET



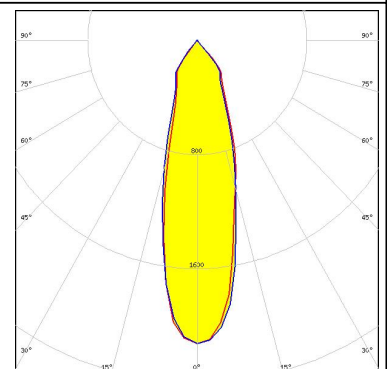
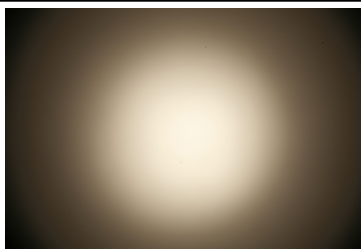
LED MHD-E/G
 FWHM 44.0°
 Efficiency 84 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



LED MHD-E/G
 FWHM 45.0°
 Efficiency 84 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



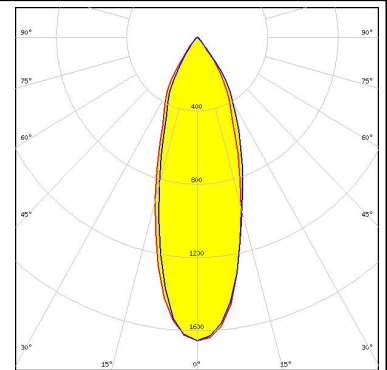
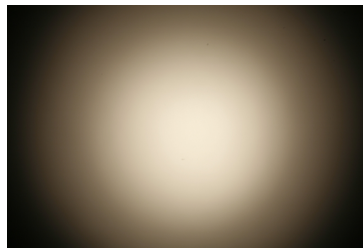
LED MK-R
 FWHM 30.0°
 Efficiency 85 %
 Peak intensity 2.100 cd/lm
 Required components:
 C13083_PF-SOCKET



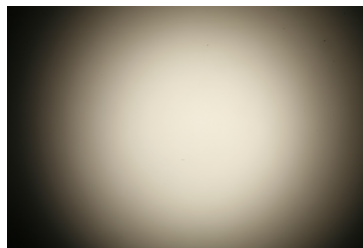
PHOTOMETRIC DATA (MEASURED):



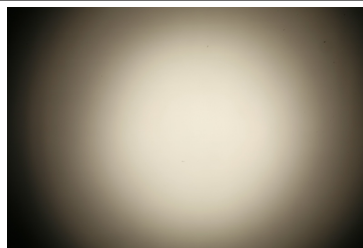
LED MK-R
 FWHM 34.0°
 Efficiency 80 %
 Peak intensity 1.660 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



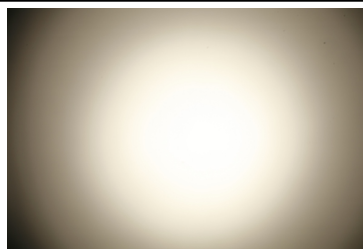
LED MT-G
 FWHM 52.0°
 Efficiency 86 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



LED MT-G
 FWHM 52.0°
 Efficiency 86 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



LED MT-G
 FWHM 48.0°
 Efficiency 90 %
 Peak intensity 1.400 cd/lm
 Required components:
 C13083_PF-SOCKET



PHOTOMETRIC DATA (MEASURED):

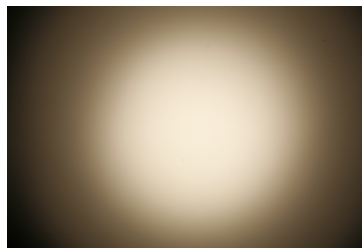
CREE

LED MT-G2
 FWHM 50.0°
 Efficiency 87 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



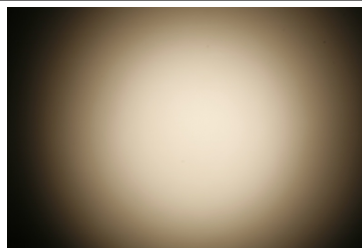
CREE

LED MT-G2
 FWHM 46.0°
 Efficiency 91 %
 Peak intensity 0.800 cd/lm
 Required components:
 C13083_PF-SOCKET



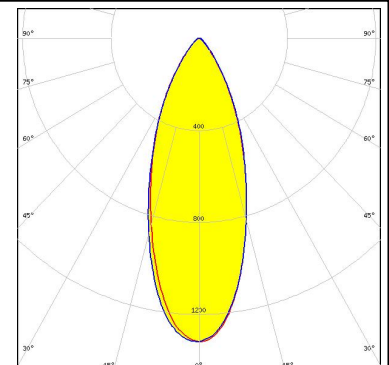
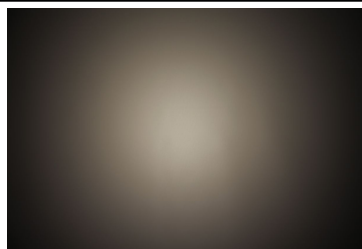
CREE

LED MT-G2
 FWHM 51.0°
 Efficiency 87 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



CREE

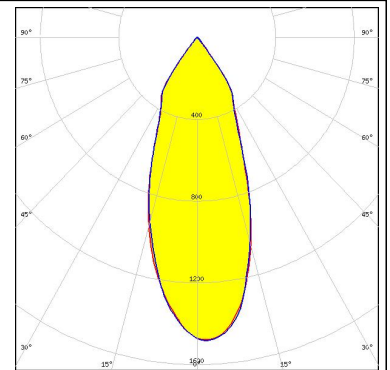
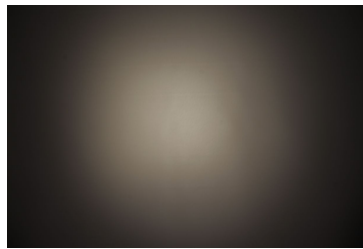
LED XHP50
 FWHM 38.0°
 Efficiency 80 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



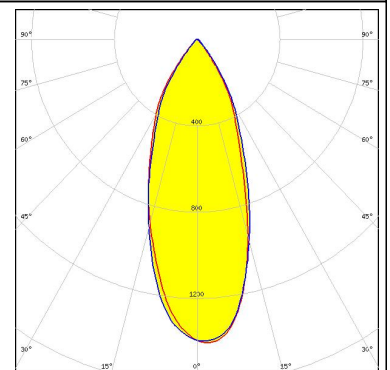
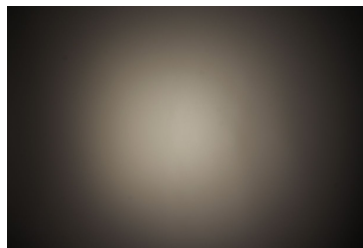
PHOTOMETRIC DATA (MEASURED):



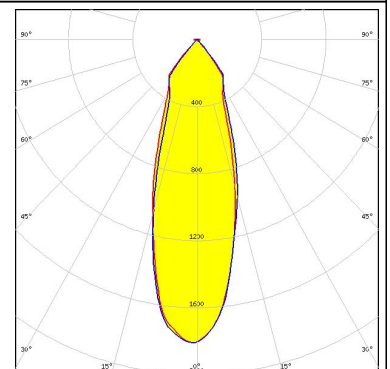
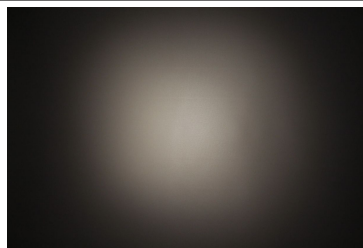
LED XHP50
 FWHM 39.0°
 Efficiency 81 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



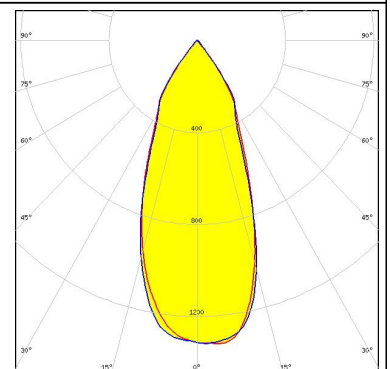
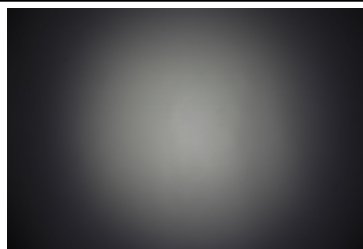
LED XHP50
 FWHM 39.0°
 Efficiency 82 %
 Peak intensity 1.400 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



LED XHP50
 FWHM 33.0°
 Efficiency 87 %
 Peak intensity 1.800 cd/lm
 Required components:
 C13083_PF-SOCKET



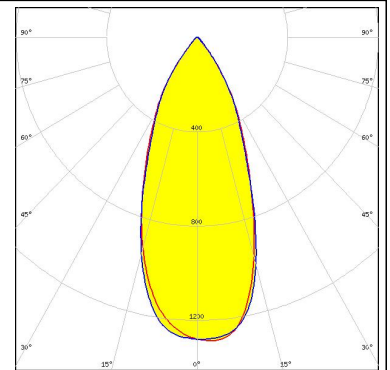
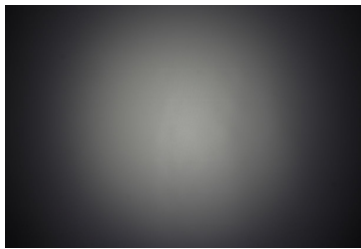
LED XHP70
 FWHM 42.0°
 Efficiency 81 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



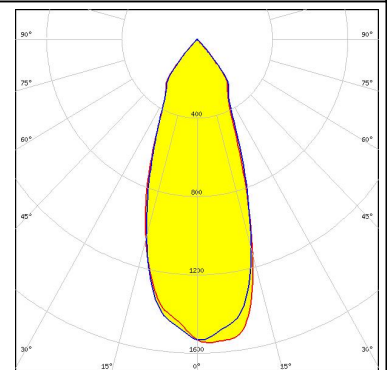
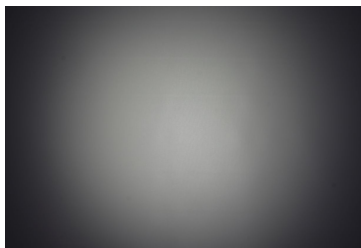
PHOTOMETRIC DATA (MEASURED):



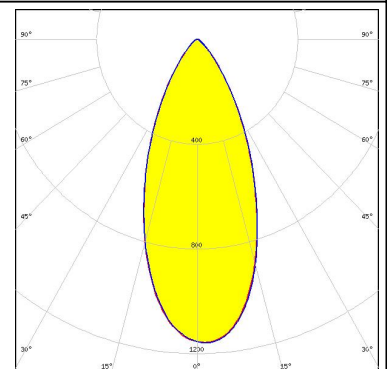
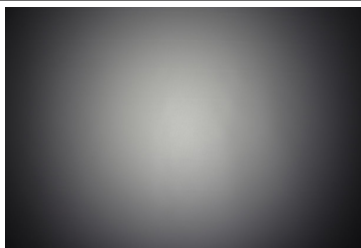
LED XHP70
 FWHM 43.0°
 Efficiency 81 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



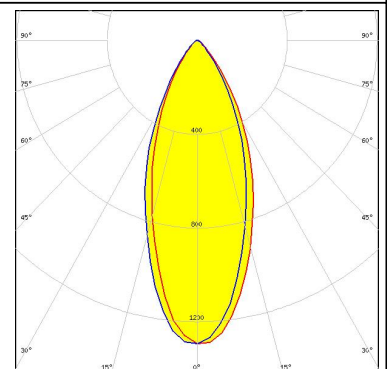
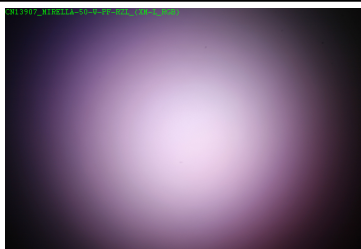
LED XHP70
 FWHM 39.0°
 Efficiency 86 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13083_PF-SOCKET



LED XHP70
 FWHM 44.0°
 Efficiency 79 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



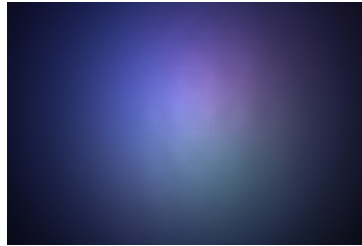
LED XM-L RGB
 FWHM 41.0°
 Efficiency 80 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



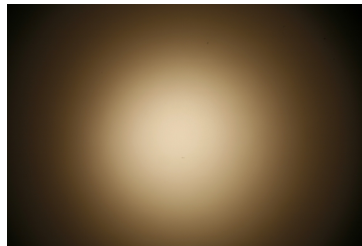
PHOTOMETRIC DATA (MEASURED):



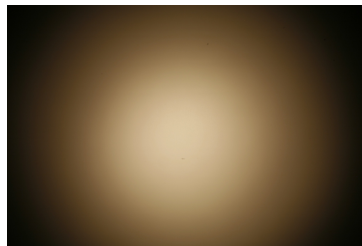
LED XQ-E HI RGBW
FWHM 42.0°
Efficiency 87 %
Peak intensity 1.380 cd/lm
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



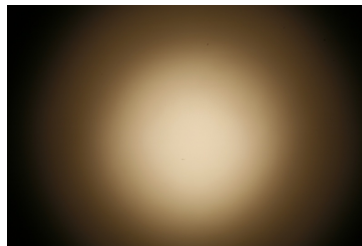
LED COB 4W
FWHM 38.0°
Efficiency 89 %
Peak intensity 1.700 cd/lm
Required components:
C13083_PF-SOCKET



LED COB 4W
FWHM 44.0°
Efficiency 83 %
Peak intensity 1.400 cd/lm
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



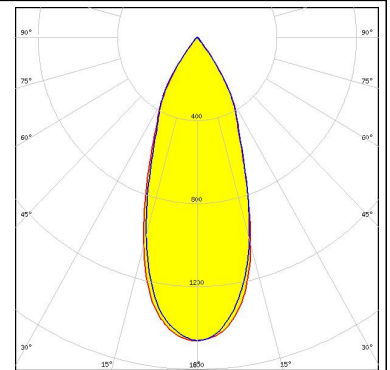
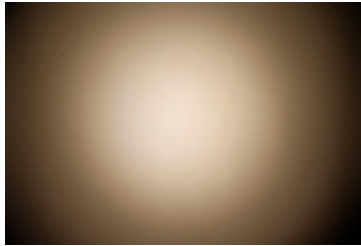
LED COB 4W
FWHM 40.0°
Efficiency 83 %
Peak intensity 1.600 cd/lm
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

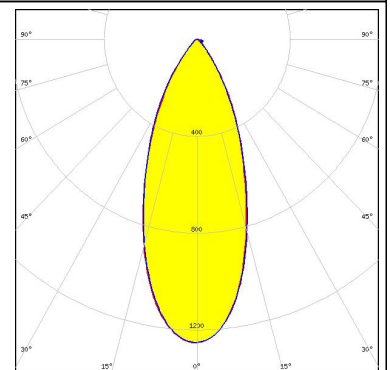
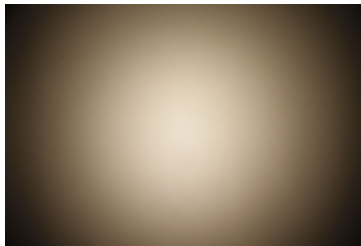
LUMILEDS

LED LUXEON CoB 1202/1203
 FWHM 39.0°
 Efficiency 80 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



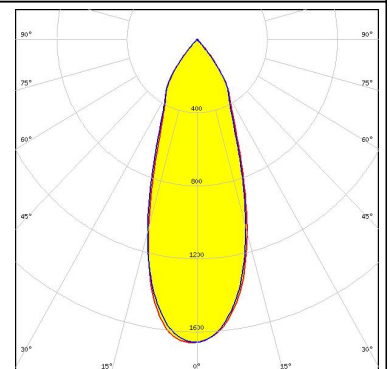
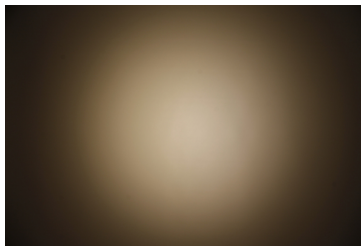
LUMILEDS

LED LUXEON CoB 1202/1203
 FWHM 40.0°
 Efficiency 75 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



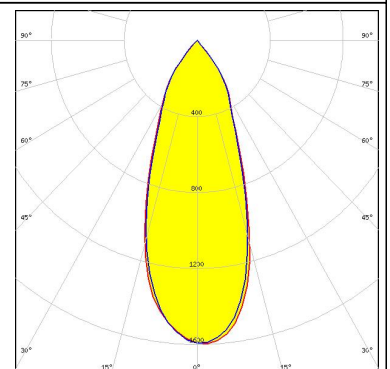
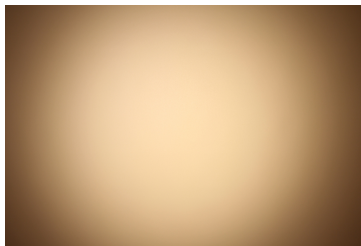
LUMILEDS

LED LUXEON CoB 1202/1203
 FWHM 37.0°
 Efficiency 87 %
 Peak intensity 1.700 cd/lm
 Required components:
 IDEAL: 50-2100NC +50-2100MR



LUMILEDS

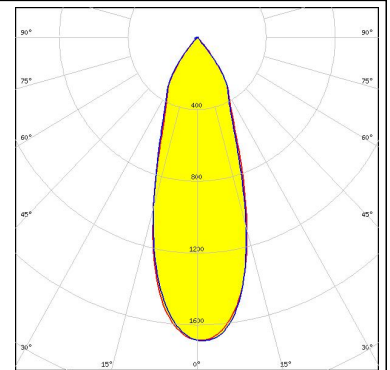
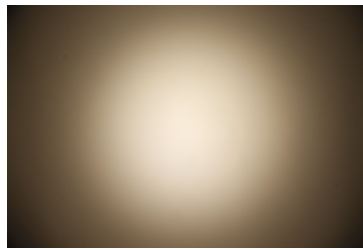
LED LUXEON CoB 1202/1203
 FWHM 39.0°
 Efficiency 86 %
 Peak intensity 1.600 cd/lm
 Required components:
 C14037_PF-NSX-SOCKET



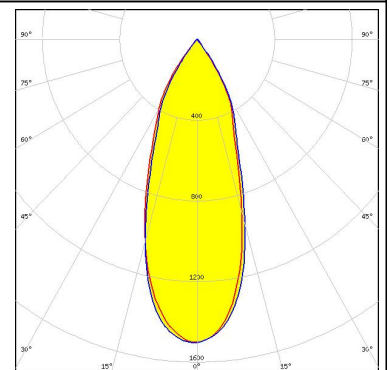
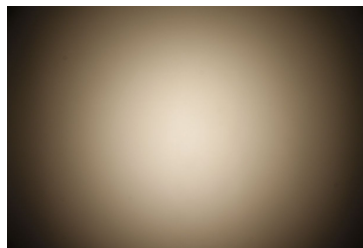
PHOTOMETRIC DATA (MEASURED):



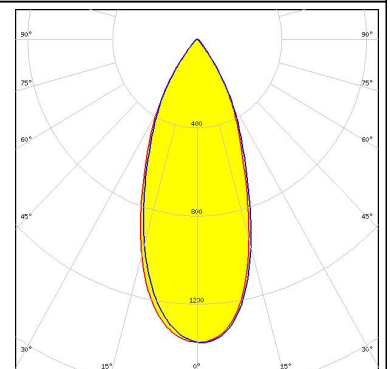
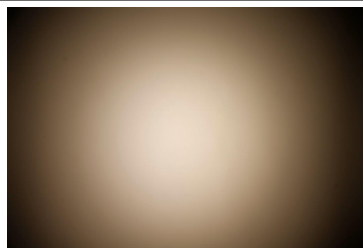
LED LUXEON CoB 1202/1203
 FWHM 35.0°
 Efficiency 83 %
 Peak intensity 1.700 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



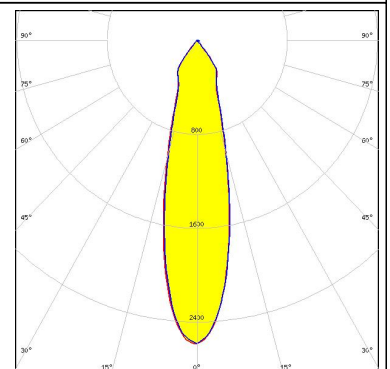
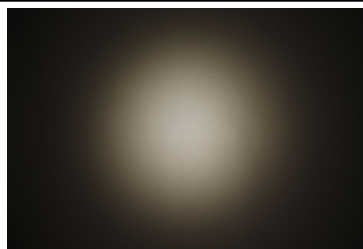
LED LUXEON CoB 1202/1203
 FWHM 37.0°
 Efficiency 77 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 438 Typ L1





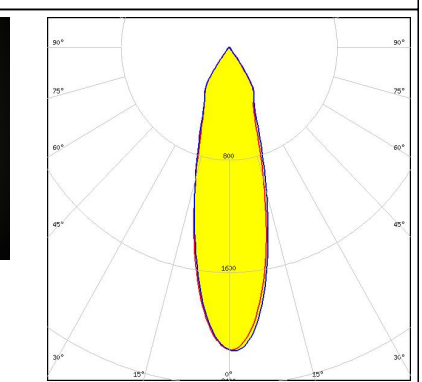

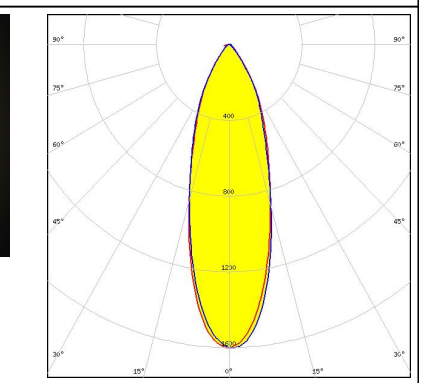

LED LUXEON CoB 1202/1203
 FWHM 41.0°
 Efficiency 81 %
 Peak intensity 1.400 cd/lm
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



LED LUXEON CoB 1202s
 FWHM 25.0°
 Efficiency 85 %
 Peak intensity 2.600 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 452 Typ L1



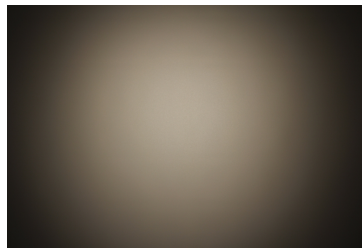
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1202s</p> <p>FWHM 41.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.500 cd/lm</p> <p>Required components:</p> <p>C13761_PF-SOCKET-CXA15</p> <p>C13333_MIRELLA-CL</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202s</p> <p>FWHM 28.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 2.200 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C13333_MIRELLA-CL</p> <p>Bender Wirth: 452 Typ L1</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202s</p> <p>FWHM 32.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 1.600 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C12479_MIRELLA-DL</p> <p>Bender Wirth: 452 Typ L1</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202s</p> <p>FWHM 35.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.900 cd/lm</p> <p>Required components:</p> <p>C13761_PF-SOCKET-CXA15</p>		

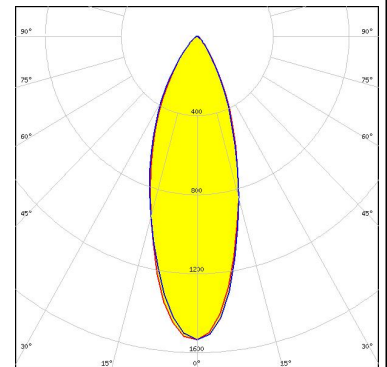
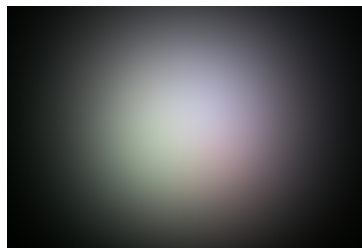
PHOTOMETRIC DATA (MEASURED):



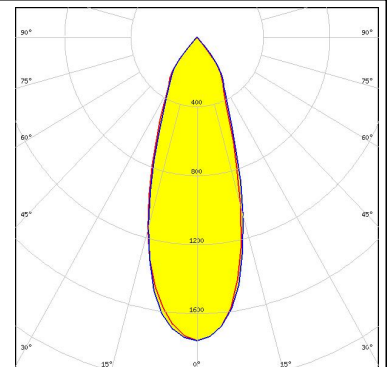
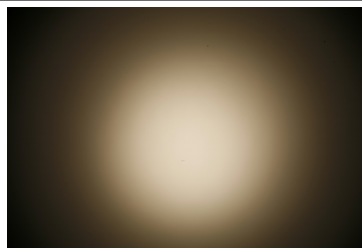
LED LUXEON CoB 1202s
 FWHM 40.0°
 Efficiency 82 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



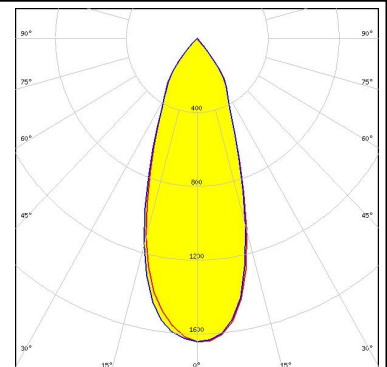
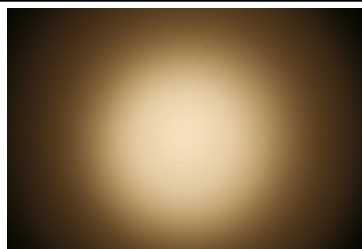
LED LUXEON Z RGB
 FWHM 36.0°
 Efficiency 79 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



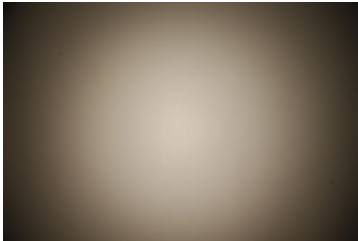
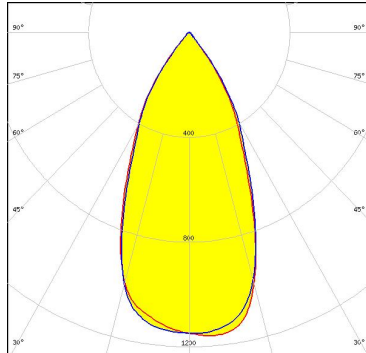
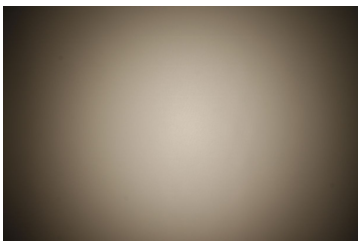
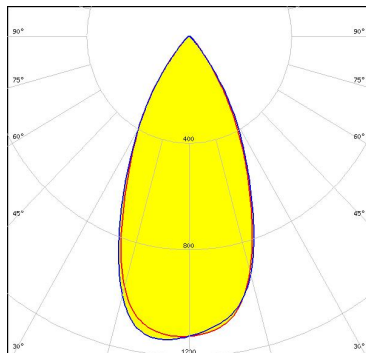
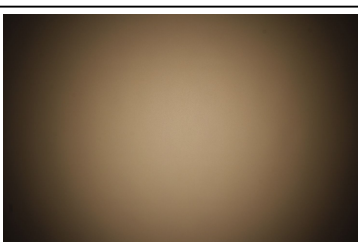
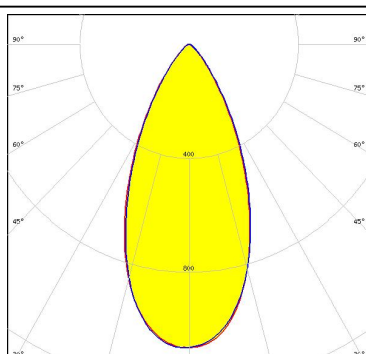
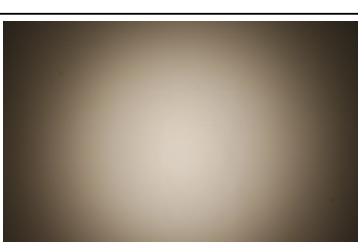
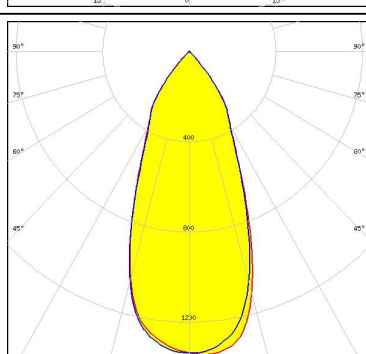
LED CXM-6
 FWHM 36.0°
 Efficiency 85 %
 Peak intensity 1.800 cd/lm
 Required components:
 C13083_PF-SOCKET



LED CXM-7
 FWHM 38.0°
 Efficiency 86 %
 Peak intensity 1.600 cd/lm
 Required components:
 C13083_PF-SOCKET



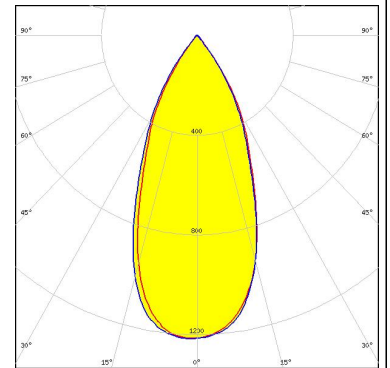
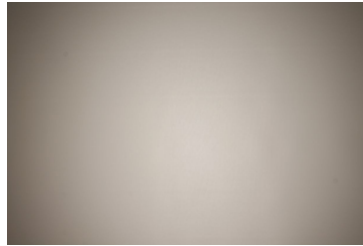
PHOTOMETRIC DATA (MEASURED):

<p>LUMINUS</p> <p>LED CXM-9 FWHM 48.0° Efficiency 83 % Peak intensity 1.200 cd/lm Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>		
<p>LUMINUS</p> <p>LED CXM-9 FWHM 49.0° Efficiency 83 % Peak intensity 1.100 cd/lm Required components: C13083_PF-SOCKET C12479_MIRELLA-DL</p>		
<p>LUMINUS</p> <p>LED CXM-9 FWHM 48.0° Efficiency 80 % Peak intensity 1.100 cd/lm Required components: C13083_PF-SOCKET C13723_MIRELLA-RZL</p>		
<p>LUMINUS</p> <p>LED CXM-9 FWHM 44.0° Efficiency 88 % Peak intensity 1.300 cd/lm Required components: C13083_PF-SOCKET</p>		

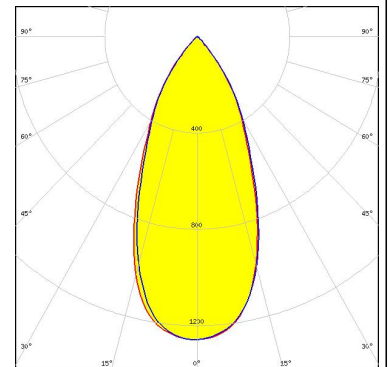
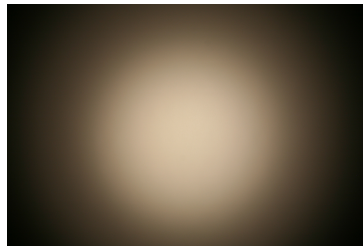
PHOTOMETRIC DATA (MEASURED):



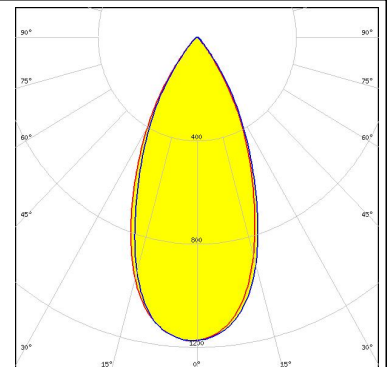
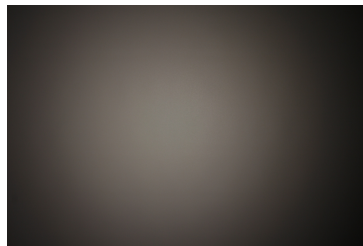
LED COB L-Type (LES 11)
 FWHM 45.0°
 Efficiency 77 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 438 Typ L1



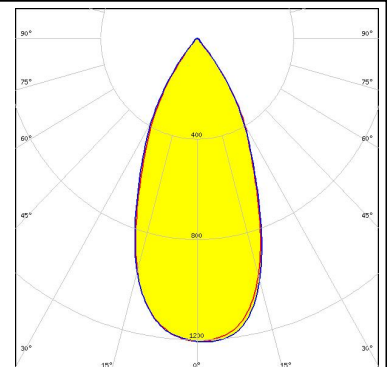
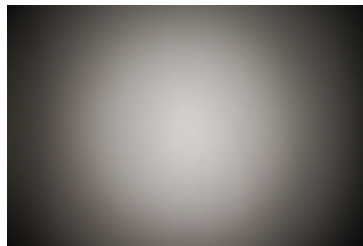
LED COB L-Type (LES 11)
 FWHM 46.0°
 Efficiency 84 %
 Peak intensity 1.260 cd/lm
 Required components:
 C14037_PF-NSX-SOCKET



LED COB L-Type (LES 11)
 FWHM 46.0°
 Efficiency 80 %
 Peak intensity 1.200 cd/lm
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



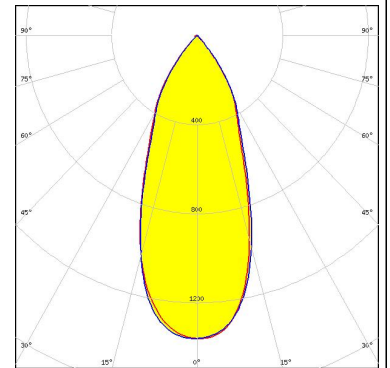
LED COB L-Type (LES 11)
 FWHM 47.0°
 Efficiency 81 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



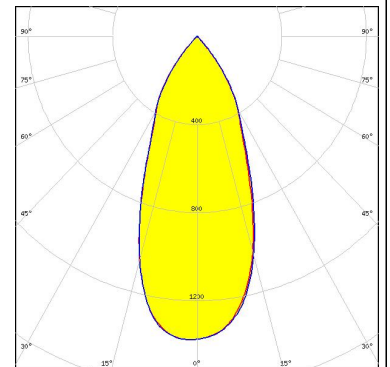
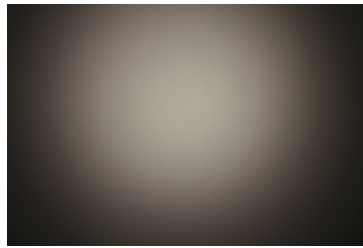
PHOTOMETRIC DATA (MEASURED):



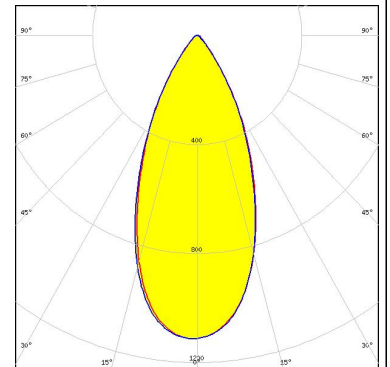
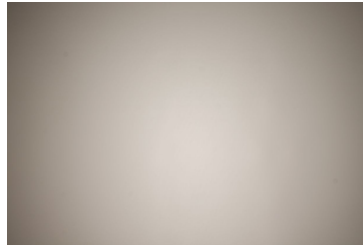
LED COB L-Type (LES 11)
 FWHM 41.0°
 Efficiency 81 %
 Peak intensity 1.400 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



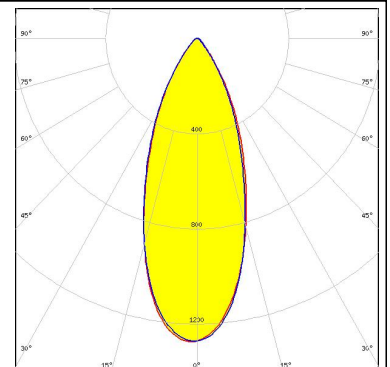
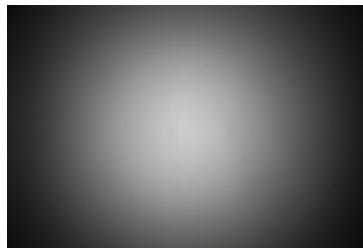
LED COB L-Type (LES 11)
 FWHM 43.0°
 Efficiency 86 %
 Peak intensity 1.400 cd/lm
 Required components:
 IDEAL: 50-2100NC +50-2100MR



LED COB L-Type (LES 11)
 FWHM 46.0°
 Efficiency 75 %
 Peak intensity 1.100 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



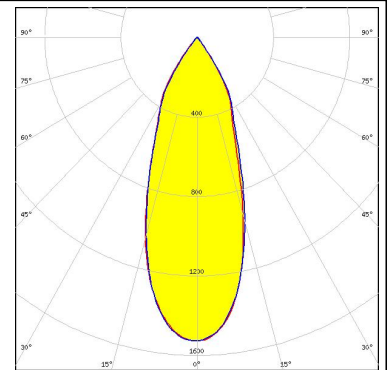
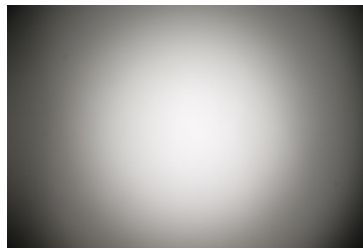
LED COB L-Type (LES 9)
 FWHM 40.0°
 Efficiency 76 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



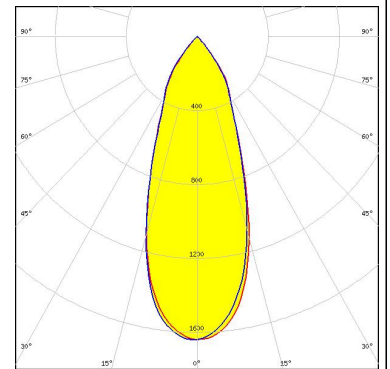
PHOTOMETRIC DATA (MEASURED):



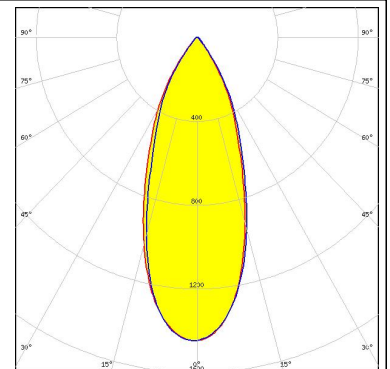
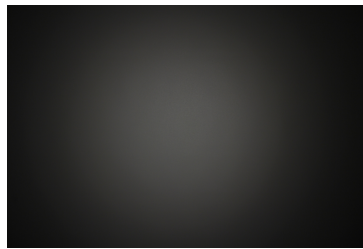
LED COB L-Type (LES 9)
 FWHM 37.0°
 Efficiency 79 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 438 Typ L1



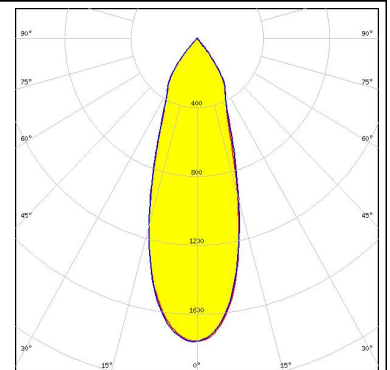
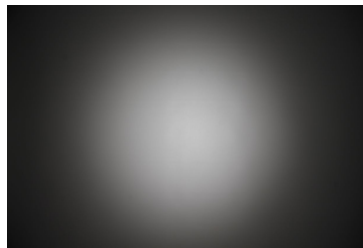
LED COB L-Type (LES 9)
 FWHM 38.0°
 Efficiency 86 %
 Peak intensity 1.640 cd/lm
 Required components:
 C14037_PF-NSX-SOCKET



LED COB L-Type (LES 9)
 FWHM 39.0°
 Efficiency 80 %
 Peak intensity 1.400 cd/lm
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



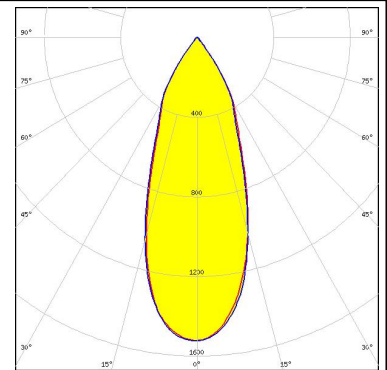
LED COB L-Type (LES 9)
 FWHM 34.0°
 Efficiency 84 %
 Peak intensity 1.800 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



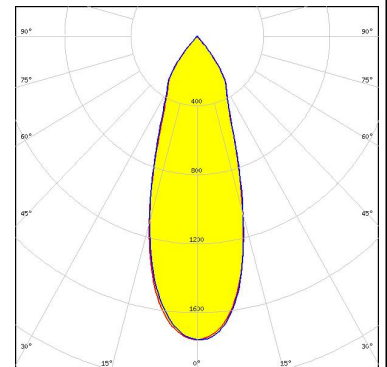
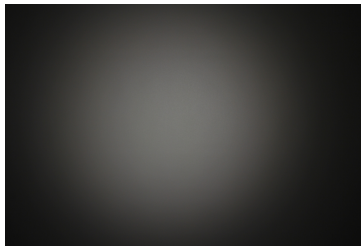
PHOTOMETRIC DATA (MEASURED):



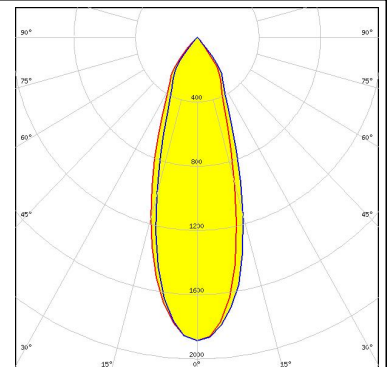
LED COB L-Type (LES 9)
 FWHM 38.0°
 Efficiency 81 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13333_MIRELLA-CL
 IDEAL: 50-2100NC +50-2100MR



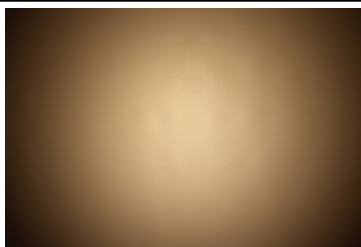
LED COB L-Type (LES 9)
 FWHM 35.0°
 Efficiency 87 %
 Peak intensity 1.800 cd/lm
 Required components:
 IDEAL: 50-2100NC +50-2100MR




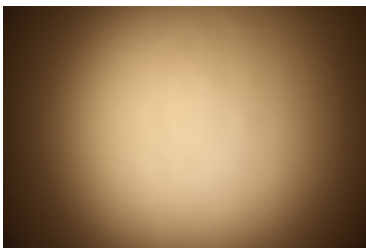

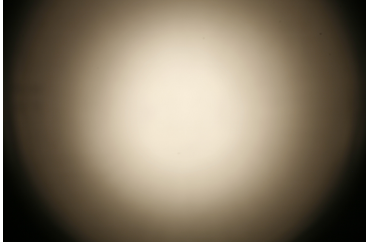
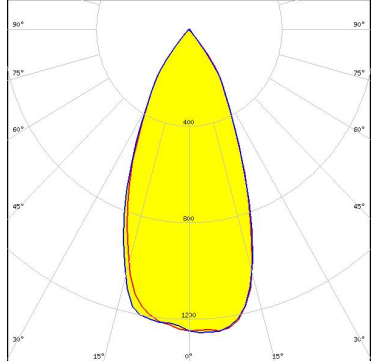
LED NSCxL036A
 FWHM 34.0°
 Efficiency 85 %
 Peak intensity 1.880 cd/lm
 Required components:
 C14037_PF-NSX-SOCKET



LED Duris S10
 FWHM 45.0°
 Efficiency 80 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



PHOTOMETRIC DATA (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED Duris S10 FWHM 38.0° Efficiency 87 % Peak intensity 1.700 cd/lm Required components: C13083_PF-SOCKET</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S10 FWHM 43.0° Efficiency % Peak intensity cd/lm Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S10 FWHM 45.0° Efficiency 79 % Peak intensity 1.300 cd/lm Required components: C13083_PF-SOCKET C12479_MIRELLA-DL</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED Ostar Lighting+ FWHM 47.0° Efficiency 79 % Peak intensity 1.300 cd/lm Required components: C13708_PF-SOCKET-VERO10 C13333_MIRELLA-CL</p>	 

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED Ostar Lighting+

FWHM 49.0°

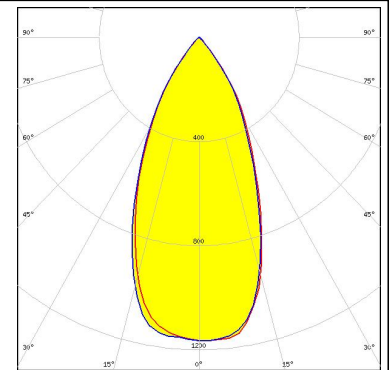
Efficiency 79 %

Peak intensity 1.200 cd/lm

Required components:

C13708_PF-SOCKET-VERO10

C12479_MIRELLA-DL



OSRAM
Opto Semiconductors

LED Ostar Lighting+

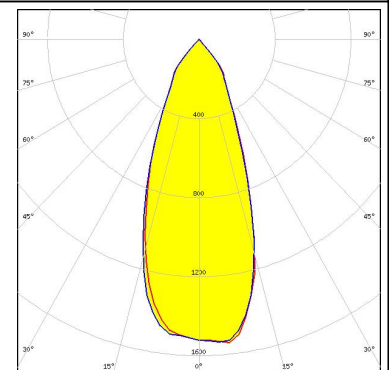
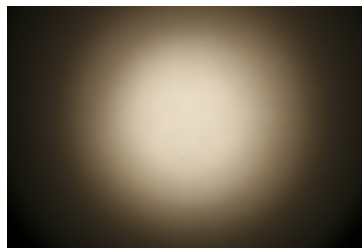
FWHM 41.0°

Efficiency 85 %

Peak intensity 1.500 cd/lm

Required components:

C13708_PF-SOCKET-VERO10



OSRAM
Opto Semiconductors

LED OSTAR Stage (S2WP)

FWHM 36.0°

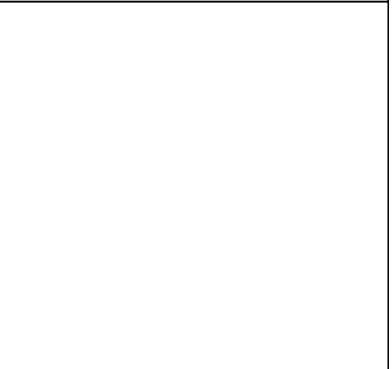
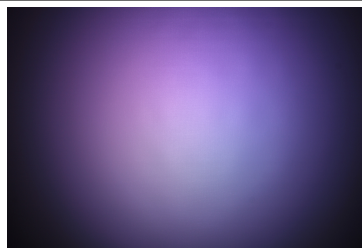
Efficiency 83 %

Peak intensity 1.600 cd/lm

Required components:

C13083_PF-SOCKET

C13723_MIRELLA-RZL



OSRAM
Opto Semiconductors

LED Ostar-SMT RGB

FWHM 37.0°

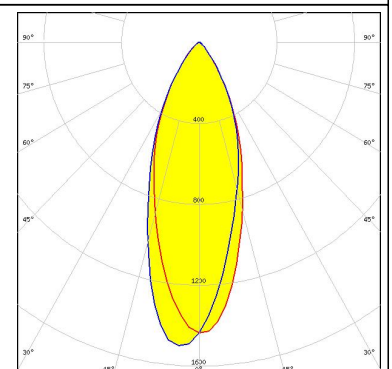
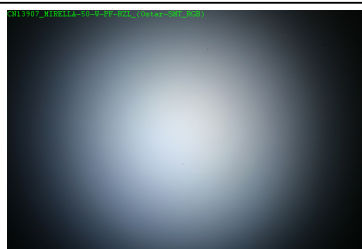
Efficiency 81 %

Peak intensity 1.500 cd/lm

Required components:

C13083_PF-SOCKET

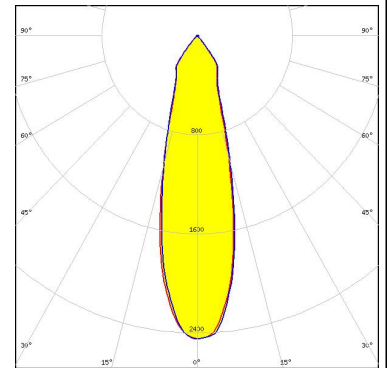
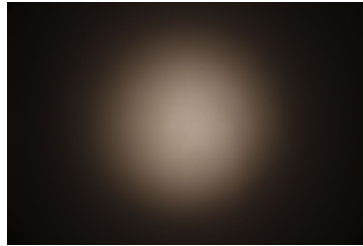
C13723_MIRELLA-RZL



PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED Soleriq P6
 FWHM 28.0°
 Efficiency 87 %
 Peak intensity 2.400 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 446 Typ L1



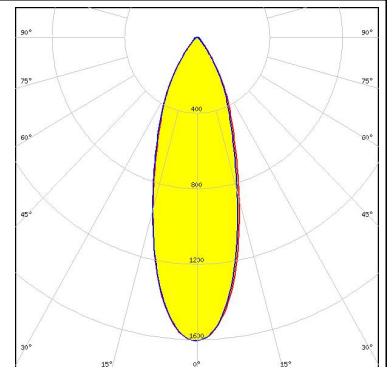
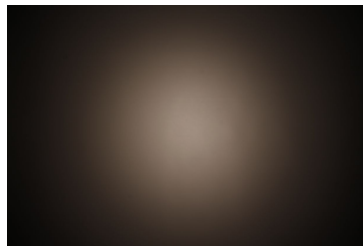
OSRAM
Opto Semiconductors

LED Soleriq P6
 FWHM 41.0°
 Efficiency 82 %
 Peak intensity 1.550 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



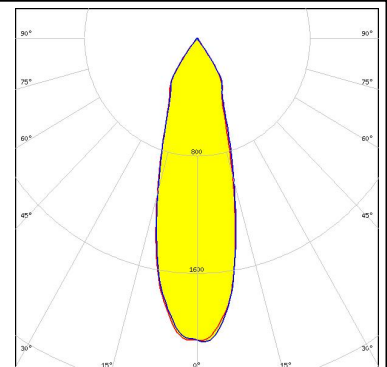
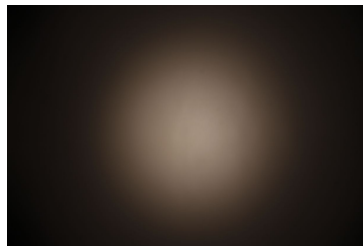
OSRAM
Opto Semiconductors

LED Soleriq P6
 FWHM 30.0°
 Efficiency 82 %
 Peak intensity 2.100 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 446 Typ L1



OSRAM
Opto Semiconductors

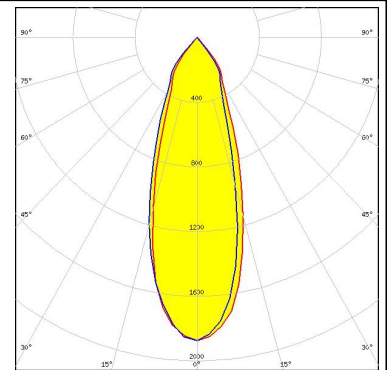
LED Soleriq P6
 FWHM 30.0°
 Efficiency 82 %
 Peak intensity 2.100 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 446 Typ L1



PHOTOMETRIC DATA (MEASURED):

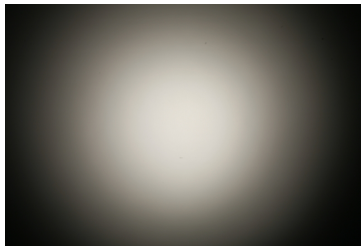
OSRAM
Opto Semiconductors

LED Soleriq P6
 FWHM 36.0°
 Efficiency 87 %
 Peak intensity 1.900 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15



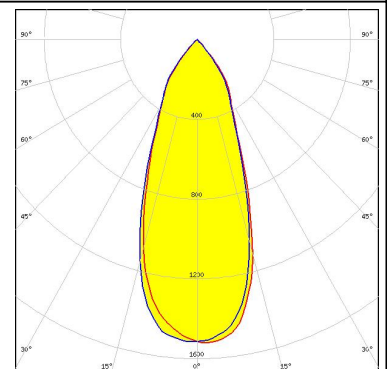
OSRAM
Opto Semiconductors

LED Soleriq P6
 FWHM 43.0°
 Efficiency 81 %
 Peak intensity 1.380 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



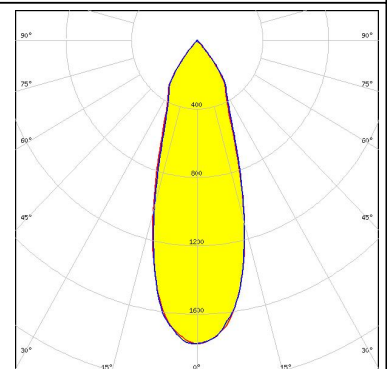
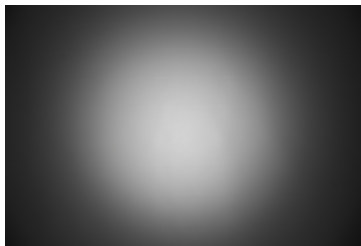
OSRAM
Opto Semiconductors

LED Soleriq P9
 FWHM 42.0°
 Efficiency 86 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13761_PF-SOCKET-CXA15



OSRAM
Opto Semiconductors

LED Soleriq P9
 FWHM 34.0°
 Efficiency 85 %
 Peak intensity 1.800 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 461 Typ L1



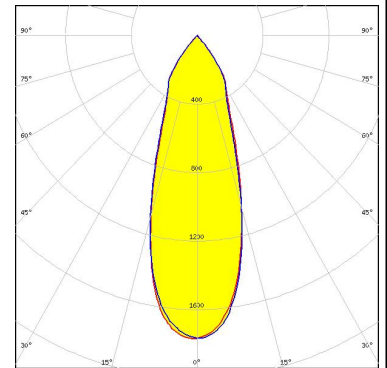
PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED Soleriq P9
FWHM 34.0°
Efficiency 83 %
Peak intensity 1.800 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 461 Typ L1

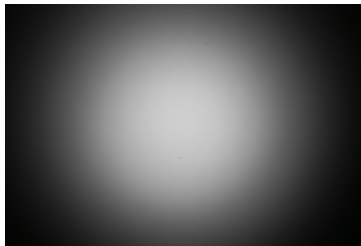


OSRAM
Opto Semiconductors

LED Soleriq P9
FWHM 47.0°
Efficiency 82 %
Peak intensity 1.270 cd/lm

Required components:

C13761_PF-SOCKET-CXA15
C12479_MIRELLA-DL

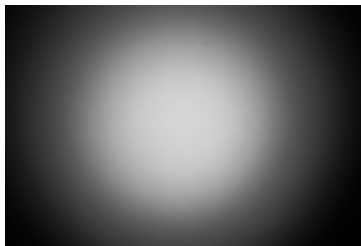


OSRAM
Opto Semiconductors

LED Soleriq P9
FWHM 46.0°
Efficiency 82 %
Peak intensity 1.330 cd/lm

Required components:

C13761_PF-SOCKET-CXA15
C13333_MIRELLA-CL

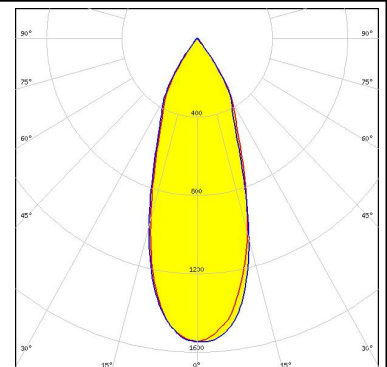
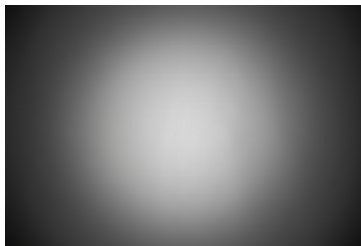


OSRAM
Opto Semiconductors



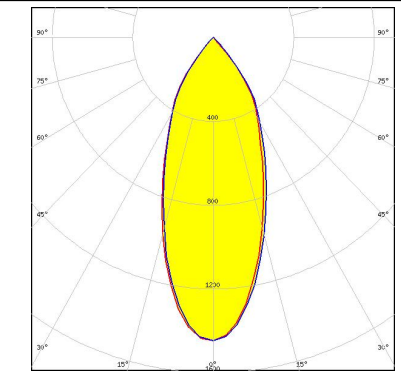

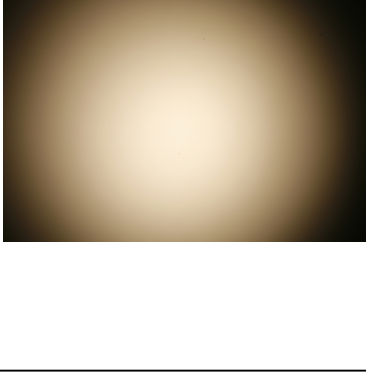
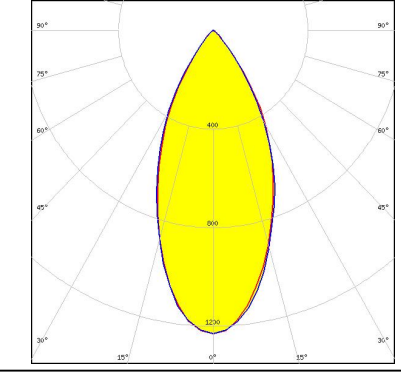

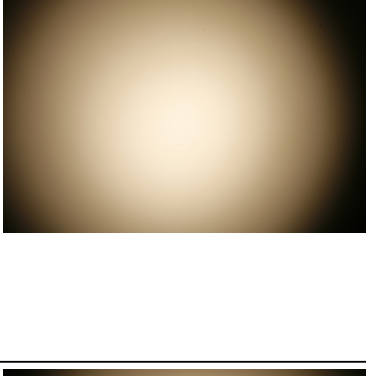
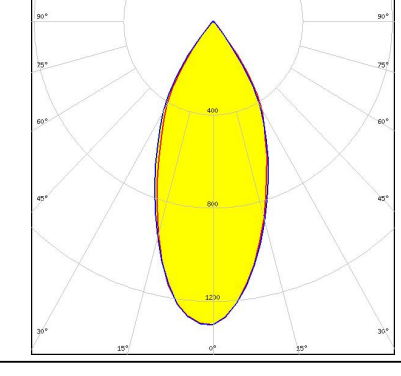
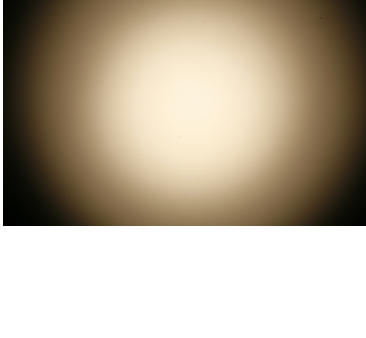
LED Soleriq P9
FWHM 37.0°
Efficiency 80 %
Peak intensity 1.500 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 461 Typ L1



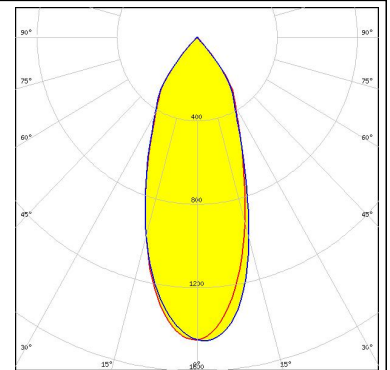
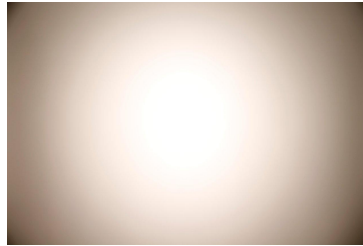
PHOTOMETRIC DATA (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM 42.0° Efficiency 86 % Peak intensity 1.400 cd/lm Required components: C13083_PF-SOCKET</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM 48.0° Efficiency 81 % Peak intensity 1.200 cd/lm Required components: C13083_PF-SOCKET C12479_MIRELLA-DL</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM 46.0° Efficiency 80 % Peak intensity 1.300 cd/lm Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>		
<p>SHARP</p> <p>LED Mini Zenigata (GW6BM) FWHM 46.0° Efficiency 81 % Peak intensity 1.300 cd/lm Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>		

PHOTOMETRIC DATA (MEASURED):

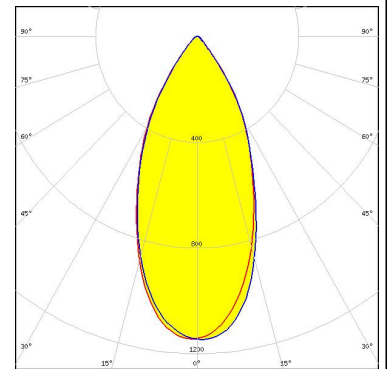
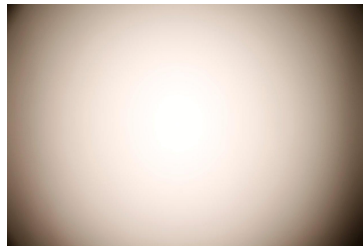
SHARP

LED Mini Zenigata (GW6BM)
 FWHM 38.0°
 Efficiency 88 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13083_PF-SOCKET



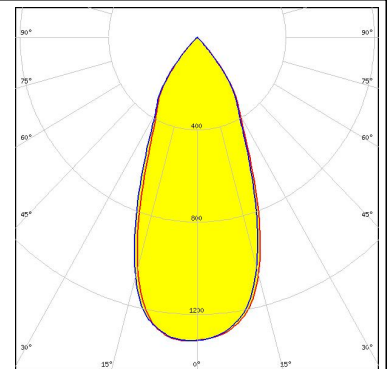
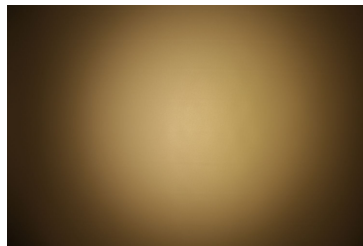
SHARP

LED Mini Zenigata (GW6BM)
 FWHM 45.0°
 Efficiency 81 %
 Peak intensity 1.100 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



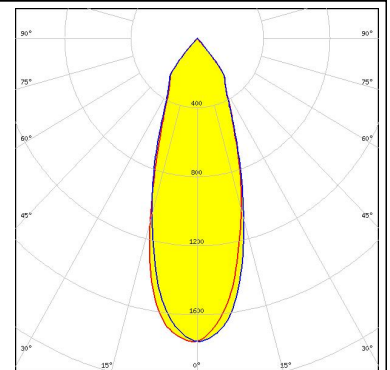
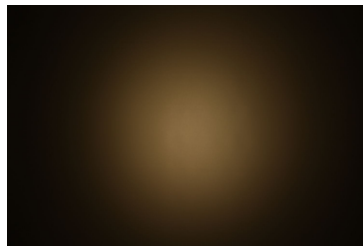
TRIDONIC

LED SLE G5 LES11
 FWHM 45.0°
 Efficiency 87 %
 Peak intensity 1.320 cd/lm
 Required components:
 C13083_PF-SOCKET



TRIDONIC

LED SLE G5 LES6
 FWHM 35.0°
 Efficiency 88 %
 Peak intensity 1.760 cd/lm
 Required components:
 C13083_PF-SOCKET



PHOTOMETRIC DATA (MEASURED):

XICATO

LED XTM - 9mm LES

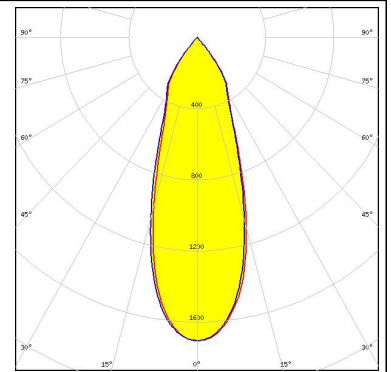
FWHM 35.0°

Efficiency 83 %

Peak intensity 1.700 cd/lm

Required components:

C14636_XTM-PF-ADAPTER



PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON CoB Compact
FWHM 25.0°
Efficiency 85 %
Peak intensity 2.600 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 452 Typ L1

LUMILEDS

LED LUXEON CoB Compact
FWHM 40.0°
Efficiency 82 %
Peak intensity 1.500 cd/lm
Required components:
C13761_PF-SOCKET-CXA15
C12479_MIRELLA-DL

LUMILEDS

LED LUXEON CoB Compact
FWHM 35.0°
Efficiency 88 %
Peak intensity 1.900 cd/lm
Required components:
C13761_PF-SOCKET-CXA15

LUMILEDS

LED LUXEON CoB Compact
FWHM 32.0°
Efficiency 77 %
Peak intensity 1.600 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 452 Typ L1

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

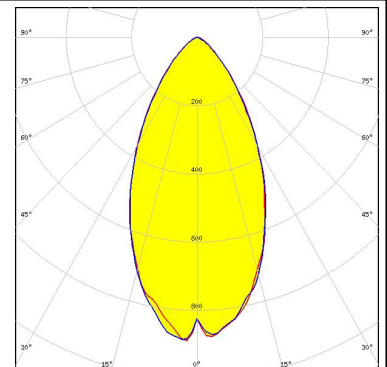
LED LUXEON CoB Compact
FWHM 41.0°
Efficiency 82 %
Peak intensity 1.500 cd/lm
Required components:
C13761_PF-SOCKET-CXA15
C13333_MIRELLA-CL

LUMILEDS

LED LUXEON CoB Compact
FWHM 37.0°
Efficiency 77 %
Peak intensity 1.500 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 452 Typ L1

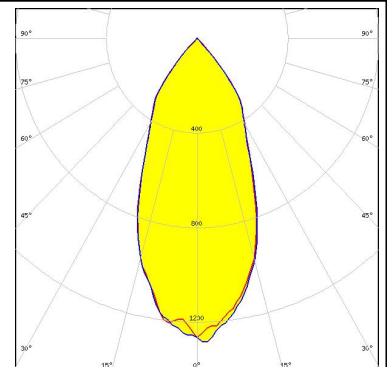
LUMILEDS

LED LUXEON K4
FWHM 54.0°
Efficiency 83 %
Peak intensity 0.870 cd/lm
Required components:
C13761_PF-SOCKET-CXA15
C12479_MIRELLA-DL



LUMILEDS

LED LUXEON K4
FWHM 46.0°
Efficiency 88 %
Peak intensity 1.260 cd/lm
Required components:
C13761_PF-SOCKET-CXA15



PHOTOMETRIC DATA (SIMULATED):



LED CXM-14
FWHM 51.0°
Efficiency 70 %
Peak intensity 0.900 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 433 Typ L1



LED CXM-14
FWHM 49.0°
Efficiency 75 %
Peak intensity 1.000 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
Bender Wirth: 433 Typ L1



LED CXM-9
FWHM 36.0°
Efficiency 84 %
Peak intensity 1.700 cd/lm

Required components:

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



LED CXM-9
FWHM 39.0°
Efficiency 78 %
Peak intensity 1.500 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 41.0°
Efficiency 76 %
Peak intensity 1.300 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 32.0°
Efficiency 77 %
Peak intensity 1.600 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 28.0°
Efficiency 81 %
Peak intensity 2.200 cd/lm

Required components:

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

NICHIA

LED COB S-Type (LES 7)
FWHM 25.0°
Efficiency 85 %
Peak intensity 2.600 cd/lm

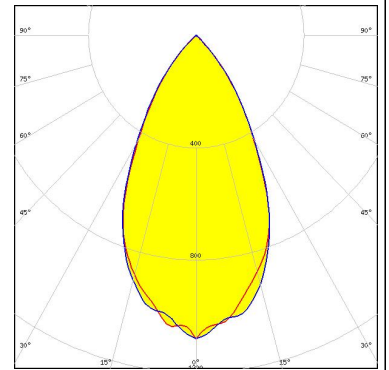
Required components:

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

PHOTOMETRIC DATA (SIMULATED):

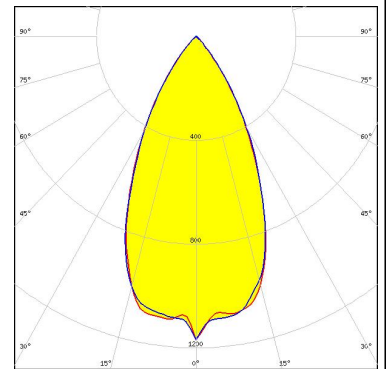
OSRAM
Opto Semiconductors

LED Soleriq S15
 FWHM 56.0°
 Efficiency 86 %
 Peak intensity 1.081 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 433 Typ L1



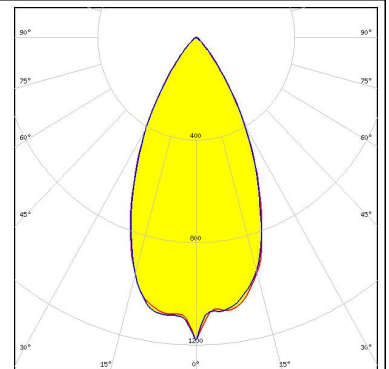
OSRAM
Opto Semiconductors

LED Soleriq S9
 FWHM 51.0°
 Efficiency 85 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



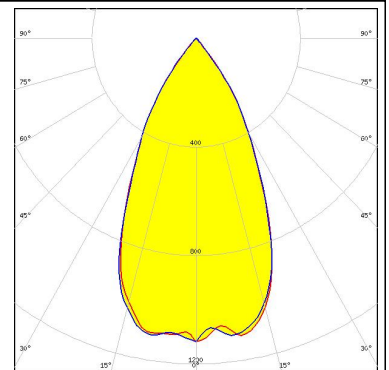
OSRAM
Opto Semiconductors

LED Soleriq S9
 FWHM 50.0°
 Efficiency 85 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



OSRAM
Opto Semiconductors

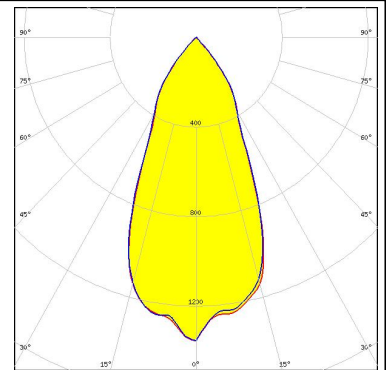
LED Soleriq S9
 FWHM 52.0°
 Efficiency 85 %
 Peak intensity 1.100 cd/lm
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (SIMULATED):

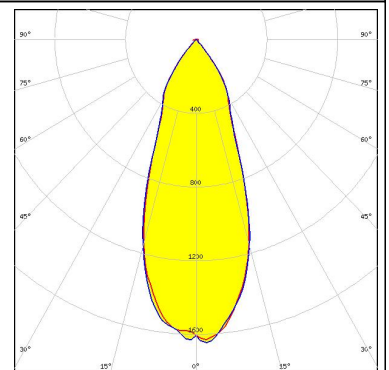
OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM 46.0°
Efficiency 91 %
Peak intensity 1.400 cd/lm
Required components:
C13083_PF-SOCKET



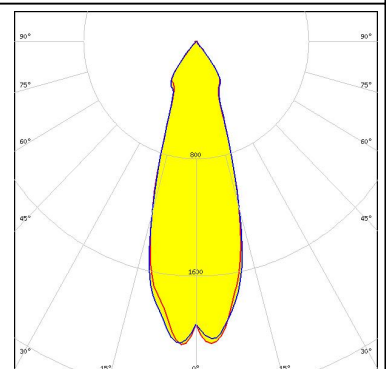
OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM 38.0°
Efficiency 88 %
Peak intensity 1.700 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18



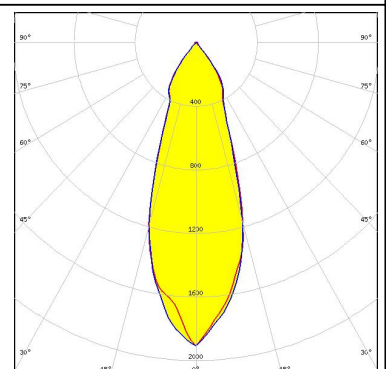
SAMSUNG

LED LC010C
FWHM 32.0°
Efficiency 87 %
Peak intensity 2.200 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 479 Typ L1



SAMSUNG

LED LC020C
FWHM 35.0°
Efficiency 86 %
Peak intensity 1.900 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 479 Typ L1



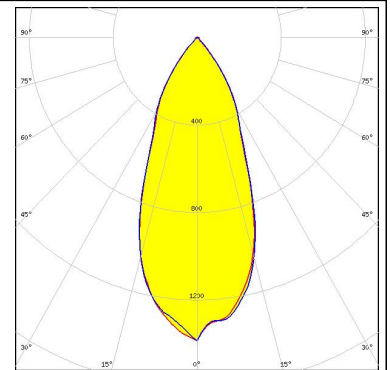
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LC040C
FWHM 42.0°
Efficiency 84 %
Peak intensity 1.400 cd/lm

Required components:

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



SEOUL SEMICONDUCTOR

LED ZC4/6
FWHM 41.0°
Efficiency 76 %
Peak intensity 1.300 cd/lm

Required components:

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



SEOUL SEMICONDUCTOR

LED ZC4/6
FWHM 36.0°
Efficiency 84 %
Peak intensity 1.700 cd/lm

Required components:

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



SEOUL SEMICONDUCTOR

LED ZC4/6
FWHM 39.0°
Efficiency 78 %
Peak intensity 1.500 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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