

MIRELLA-50-M-PF

~30° medium beam

TECHNICAL SPECIFICATIONS:

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

MATERIAL SPECIFICATIONS:


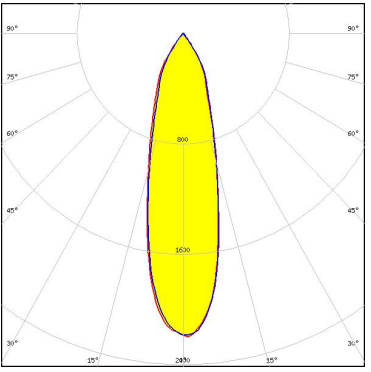
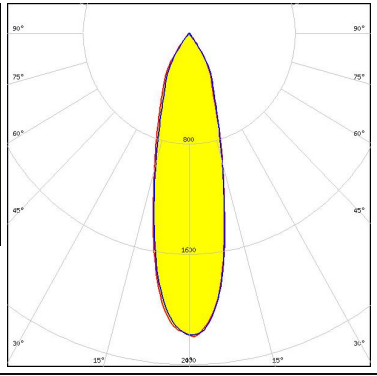
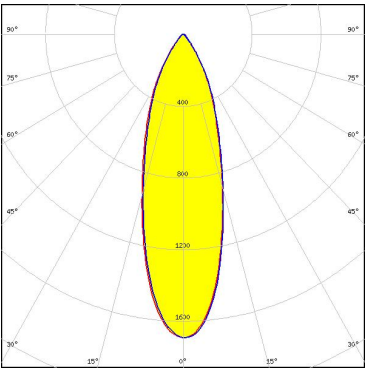

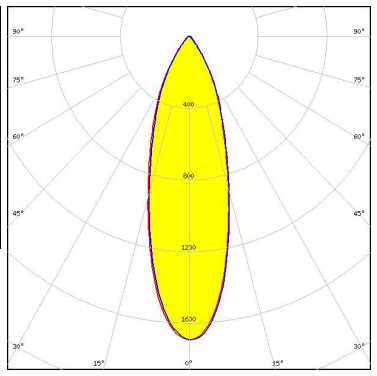

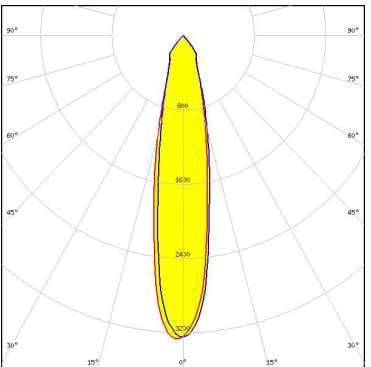
Component	Type	Material	Colour	Finish	Coating
MIRELLA-50-M-PF	Reflector	PC	metal		lacquer

ORDERING INFORMATION:



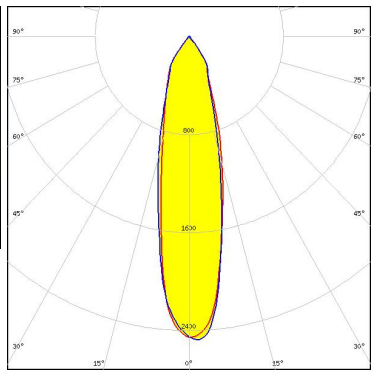

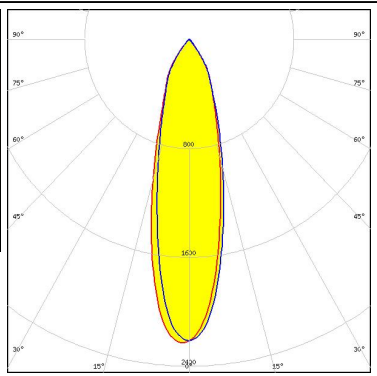

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13086_MIRELLA-50-M-PF » Box size: 480 x 280 x 300 mm	336	112	28	2.8



PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V10 Gen7</p> <p>FWHM / FWTM 28.0° / 67.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 2.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED V10 Gen7</p> <p>FWHM / FWTM 32.0° / 69.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 1.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C12479_MIRELLA-DL</p>		
<p>bridgelux.</p> <p>LED V10 Gen7</p> <p>FWHM / FWTM 26.0° / 69.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 2.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>Bender Wirth: 434 Typ L1</p>		
<p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM / FWTM 21.0° / 55.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 3.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C13761_PF-SOCKET-CXA15</p>		

PHOTOMETRIC DATA (MEASURED):

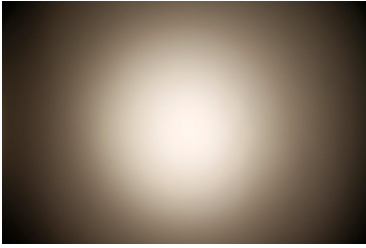
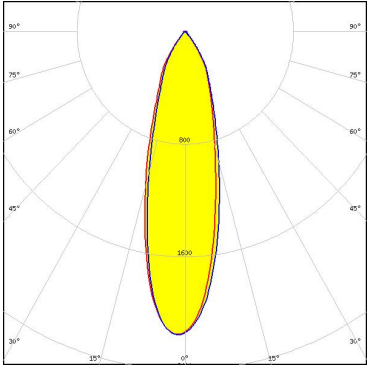
<p>bridgelux.</p> <p>LED V6 Gen6 FWHM / FWTM 21.0° / 62.0° Efficiency 75 % Peak intensity 3.2 cd/m LEDs/each optic 1 Light colour White</p> <p>Required components: C13709_PF-SOCKET-VERO13-18 C12479_MIRELLA-DL Bender Wirth: 460 Typ L1</p>		
<p>bridgelux.</p> <p>LED V6 Gen6 FWHM / FWTM 25.0° / 69.0° Efficiency 82 % Peak intensity 2.3 cd/m LEDs/each optic 1 Light colour White</p> <p>Required components: C13761_PF-SOCKET-CXA15 C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED V6 Gen6 FWHM / FWTM 27.0° / 68.0° Efficiency 82 % Peak intensity 2.2 cd/m LEDs/each optic 1 Light colour White</p> <p>Required components: C13761_PF-SOCKET-CXA15 C12479_MIRELLA-DL</p>		
<p>bridgelux.</p> <p>LED V8 Gen6 FWHM / FWTM 26.0° / 66.0° Efficiency 71 % Peak intensity 2.6 cd/m LEDs/each optic 1 Light colour White</p> <p>Required components: C13709_PF-SOCKET-VERO13-18 C12479_MIRELLA-DL Bender Wirth: 460 Typ L1</p>		

PHOTOMETRIC DATA (MEASURED):

bridgelux.

LED	V8 Gen6
FWHM / FWTM	28.0° / 68.0°
Efficiency	83 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL

bridgelux.

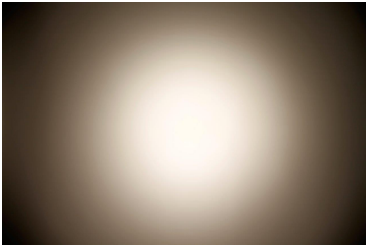
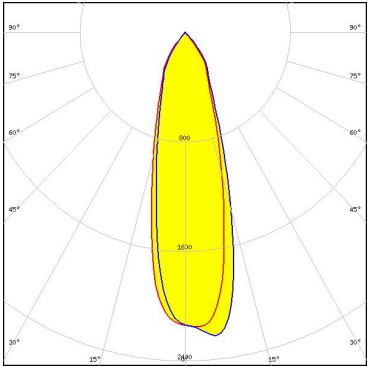
LED	VERO10
FWHM / FWTM	32.0° / 70.0°
Efficiency	80 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
 C13708_PF-SOCKET-VERO10
 C13333_MIRELLA-CL

bridgelux.

LED	VERO10
FWHM / FWTM	28.0° / 71.0°
Efficiency	85 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White

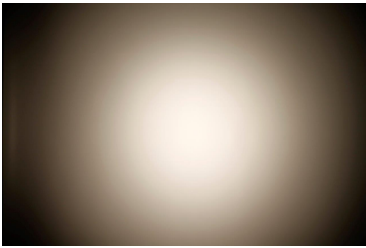
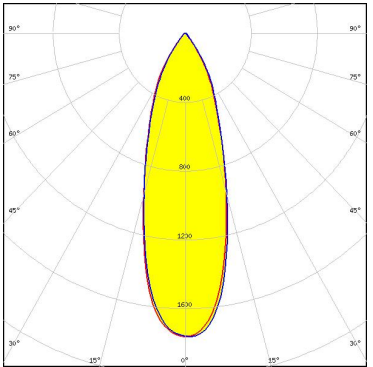
Required components:
 C13708_PF-SOCKET-VERO10


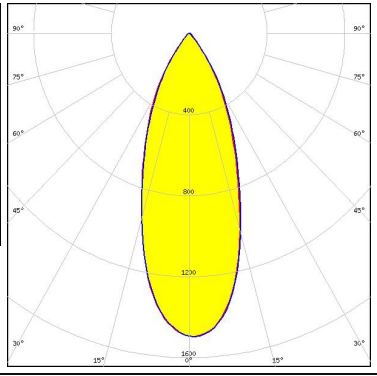
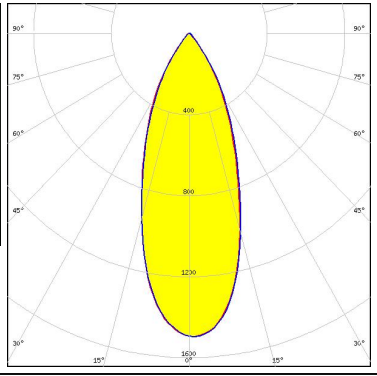
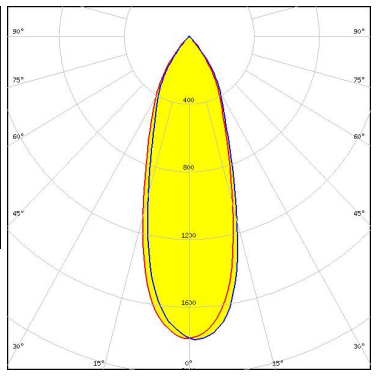

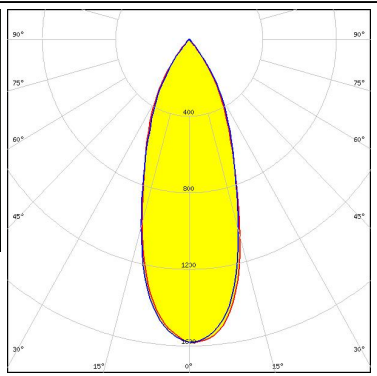

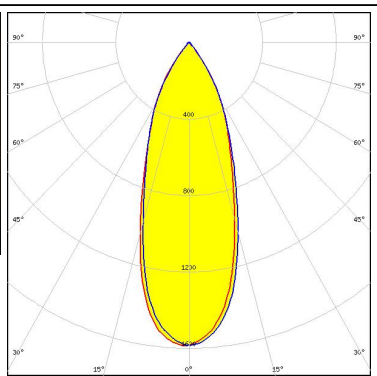
bridgelux.

LED	VERO10
FWHM / FWTM	32.0° / 70.0°
Efficiency	80 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
 C13708_PF-SOCKET-VERO10
 C12479_MIRELLA-DL

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM / FWTM 38.0° / 74.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13709_PF-SOCKET-VERO13-18 C12479_MIRELLA-DL</p>		
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM / FWTM 34.0° / 76.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13709_PF-SOCKET-VERO13-18</p>		
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM / FWTM 37.0° / 73.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13709_PF-SOCKET-VERO13-18 C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED Xenio Point 13mm</p> <p>FWHM / FWTM 36.0° / 73.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13709_PF-SOCKET-VERO13-18 C13333_MIRELLA-CL</p>		

PHOTOMETRIC DATA (MEASURED):

bridgelux.

LED Xenio Point 13mm
 FWHM / FWTM 39.0° / 74.0°
 Efficiency 78 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White

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



bridgelux.

LED Xenio Point 13mm
 FWHM / FWTM 34.0° / 75.0°
 Efficiency 84 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:
 C13709_PF-SOCKET-VERO13-18



CITIZEN

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

Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



CITIZEN

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

Required components:
 C13083_PF-SOCKET



PHOTOMETRIC DATA (MEASURED):

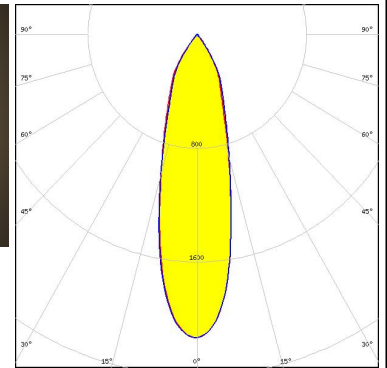
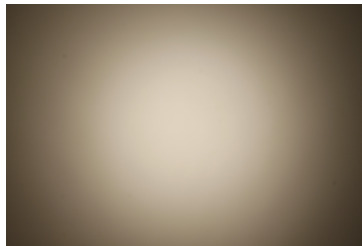
CITIZEN

LED CLL01x
 FWHM / FWTM 28.0° / 68.0°
 Efficiency 86 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



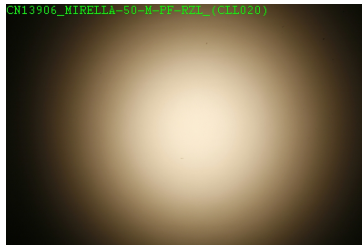
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 28.0° / 68.0°
 Efficiency 79 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 434 Typ L1



CITIZEN

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



CITIZEN

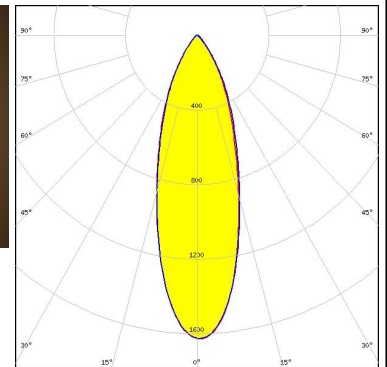
LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 26.0° / 70.0°
 Efficiency 91 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



PHOTOMETRIC DATA (MEASURED):

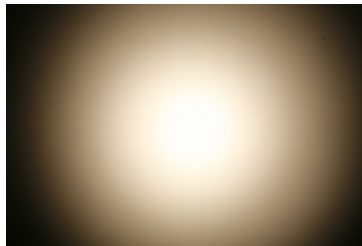
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 33.0° / 70.0°
 Efficiency 76 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 434 Typ L1



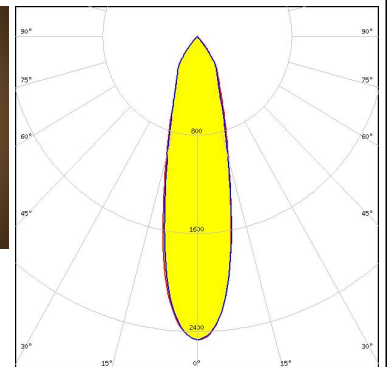
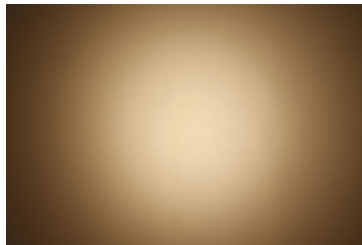
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 31.0° / 72.0°
 Efficiency 87 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



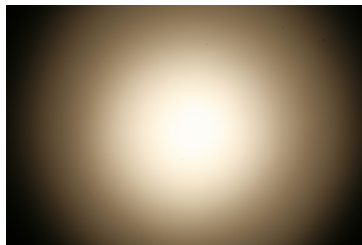
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 26.0° / 69.0°
 Efficiency 84 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1



CITIZEN

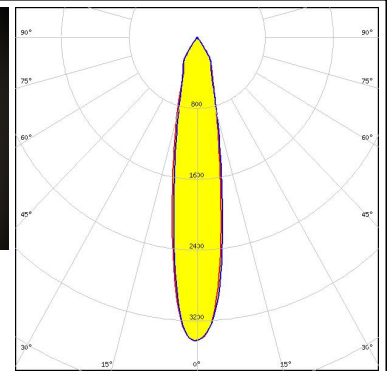
LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 30.0° / 70.0°
 Efficiency 87 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

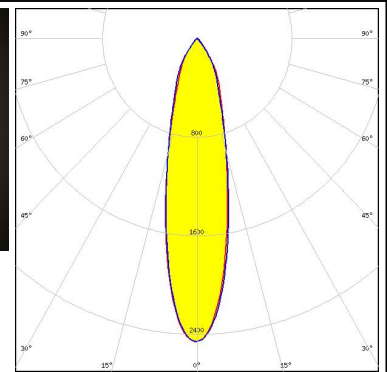
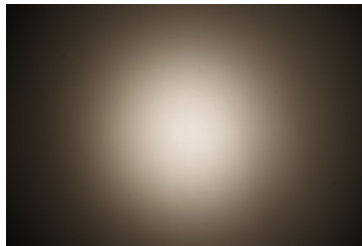
CITIZEN

LED CLU700/701/702
 FWHM / FWTM 19.0° / 56.0°
 Efficiency 78 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 434 Typ L1



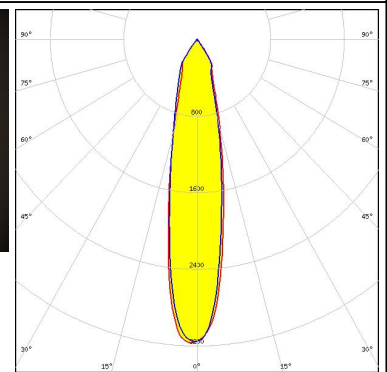
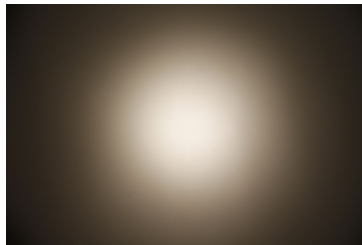
CITIZEN

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



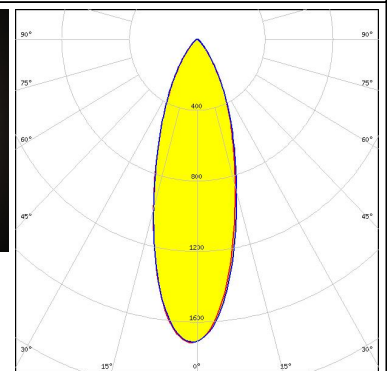
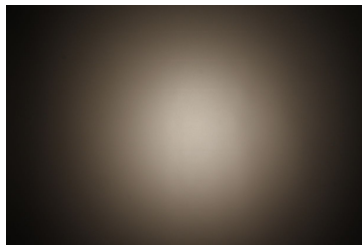
CITIZEN

LED CLU700/701/702
 FWHM / FWTM 21.0° / 62.0°
 Efficiency 82 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



CITIZEN

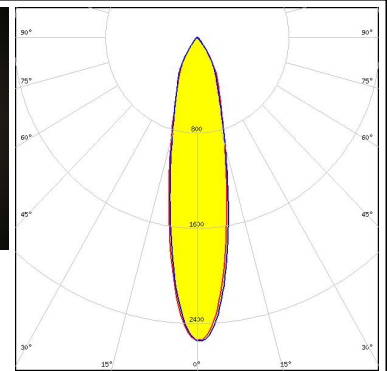
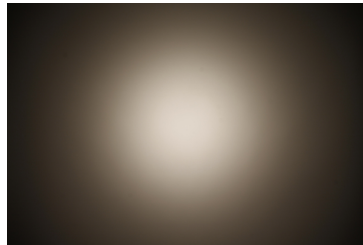
LED CLU700/701/702
 FWHM / FWTM 32.0° / 71.0°
 Efficiency 81 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



PHOTOMETRIC DATA (MEASURED):

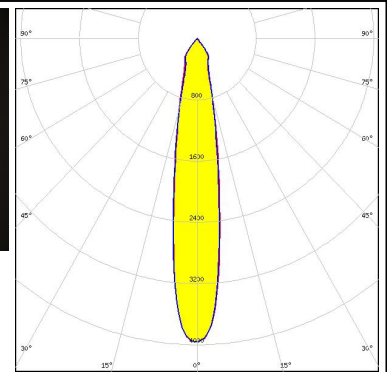
CITIZEN

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



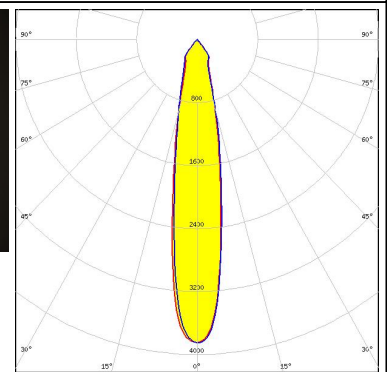
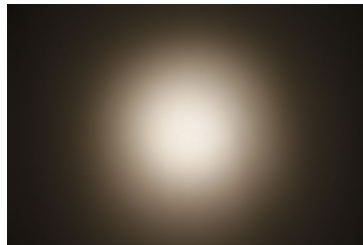
CITIZEN

LED CLU700/701/702
 FWHM / FWTM 18.0° / 46.0°
 Efficiency 82 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1



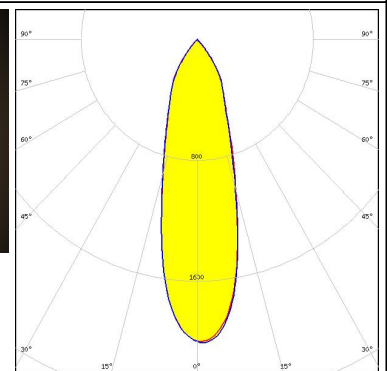
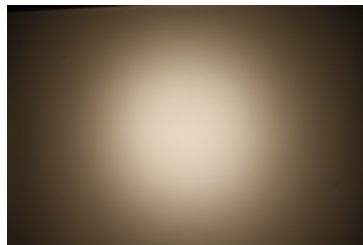
CITIZEN

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



CITIZEN

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



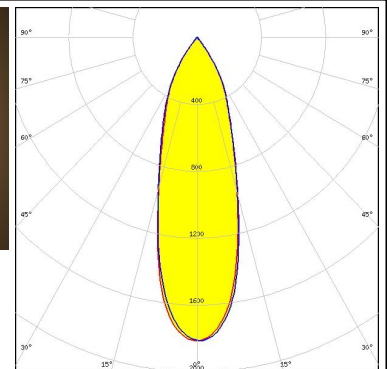
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLU720/721
 FWHM / FWTM 31.0° / 69.0°
 Efficiency 76 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 433 Typ L1

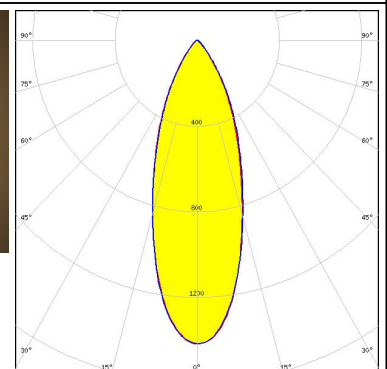


CITIZEN

LED CLU720/721
 FWHM / FWTM 36.0° / 73.0°
 Efficiency 73 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

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

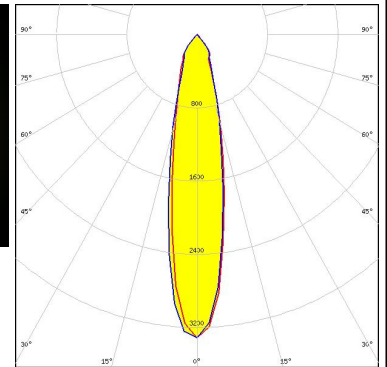


CREE LED

LED CXA/B 13xx
 FWHM / FWTM 20.0° / 55.0°
 Efficiency 85 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

C13761_PF-SOCKET-CXA15

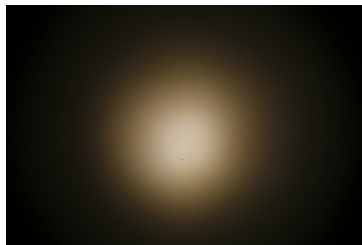


CREE LED

LED CXA/B 13xx
 FWHM / FWTM 23.0° / 68.0°
 Efficiency 81 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



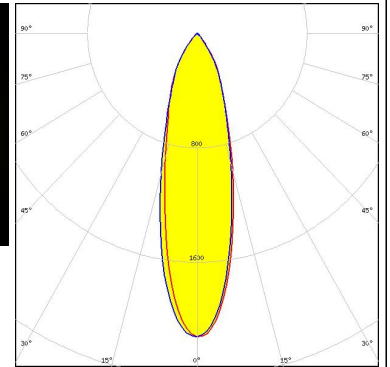
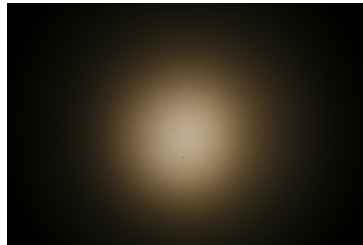
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED CXA/B 13xx
 FWHM / FWTM 26.0° / 67.0°
 Efficiency 80 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL

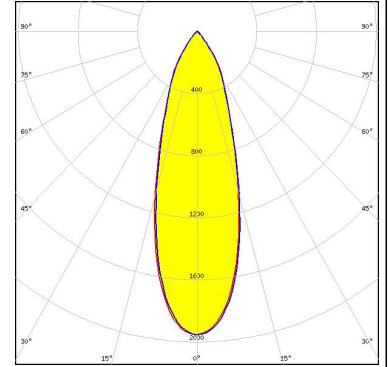


CREE LED

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

Required components:

C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL

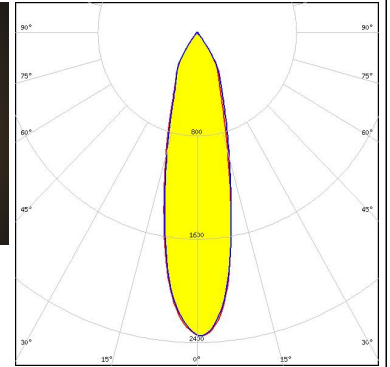
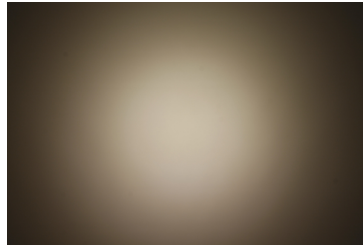


CREE LED

LED CXA/B 15xx
 FWHM / FWTM 26.0° / 66.0°
 Efficiency 78 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 441 Typ L1

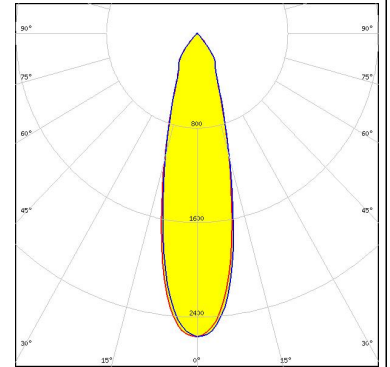


CREE LED

LED CXA/B 15xx
 FWHM / FWTM 27.0° / 71.0°
 Efficiency 91 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

C13761_PF-SOCKET-CXA15



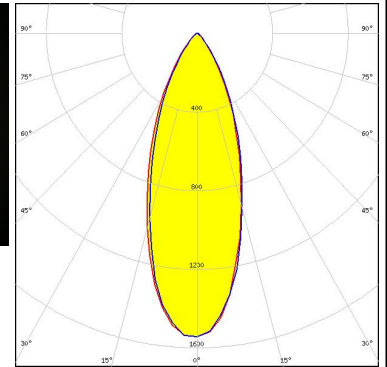
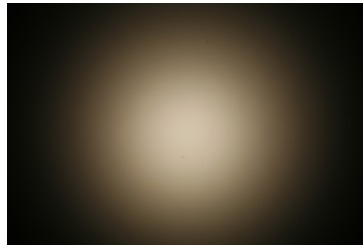
PHOTOMETRIC DATA (MEASURED):

CREE LED

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

Required components:

C13761_PF-SOCKET-CXA15
 C13723_MIRELLA-RZL

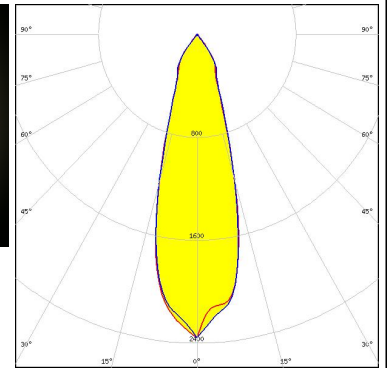


CREE LED

LED CXA/B 15xx
 FWHM / FWTM 30.0° / 71.0°
 Efficiency 83 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL

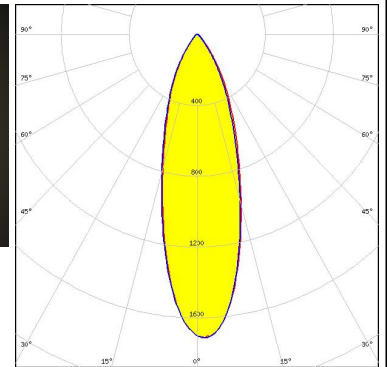
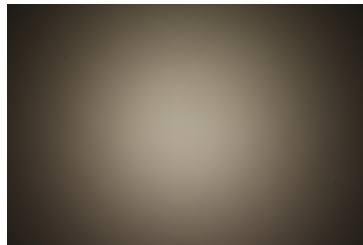


CREE LED

LED CXA/B 15xx
 FWHM / FWTM 31.0° / 69.0°
 Efficiency 75 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

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

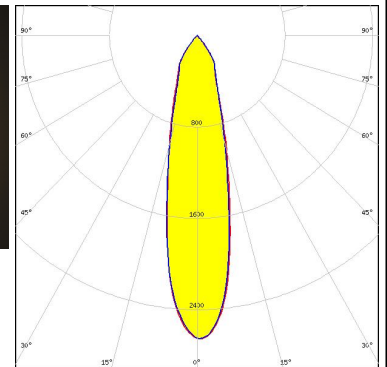
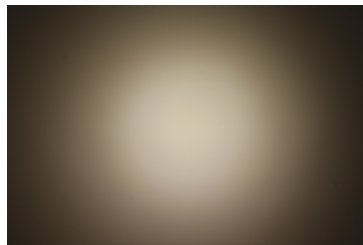


CREE LED


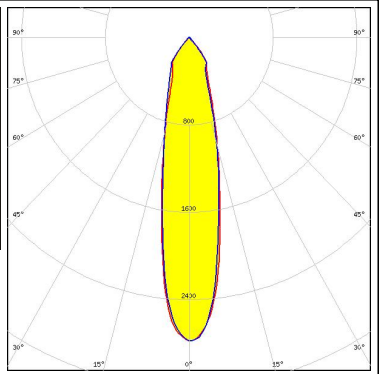

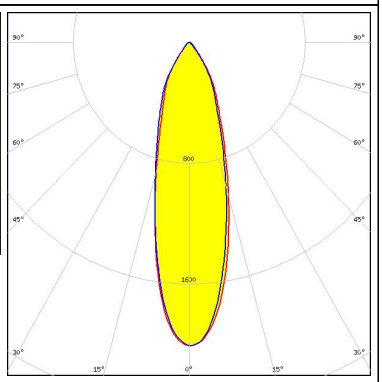

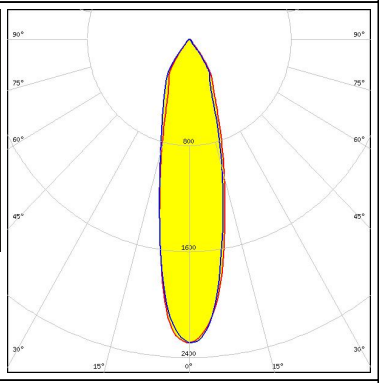

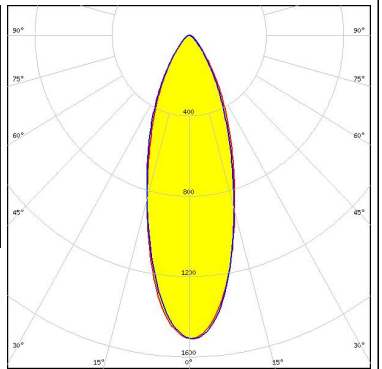
LED CXA/B 15xx
 FWHM / FWTM 24.0° / 68.0°
 Efficiency 83 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:


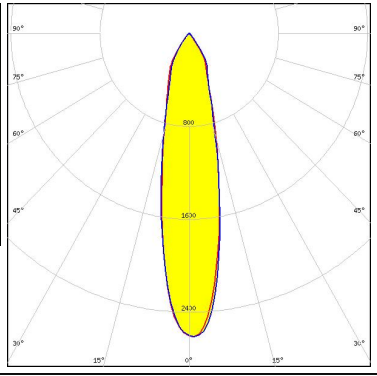


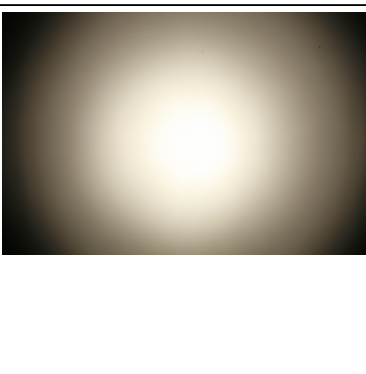
C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 441 Typ L1



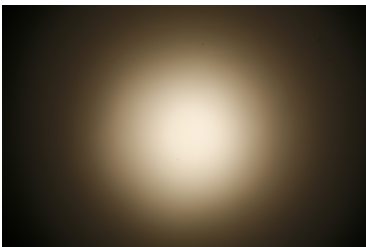
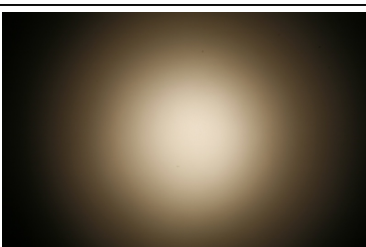
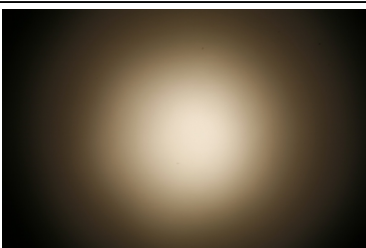
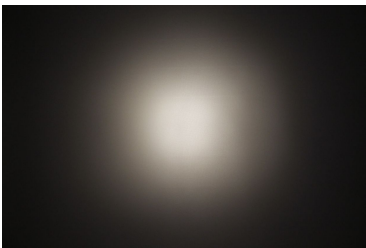
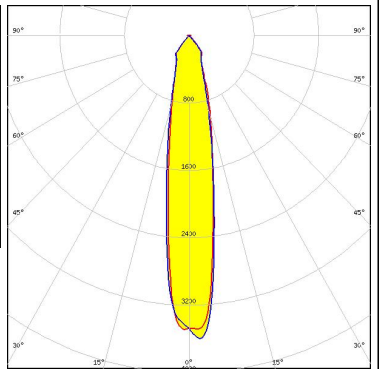
PHOTOMETRIC DATA (MEASURED):

<p>CREE → LED</p> <p>LED MHD-E/G FWHM / FWTM 23.0° / 72.0° Efficiency 91 % Peak intensity 2.8 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET</p>		
<p>CREE → LED</p> <p>LED MHD-E/G FWHM / FWTM 29.0° / 70.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C12479_MIRELLA-DL</p>		
<p>CREE → LED</p> <p>LED MHD-E/G FWHM / FWTM 25.0° / 70.0° Efficiency 85 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>		
<p>CREE → LED</p> <p>LED MHD-E/G FWHM / FWTM 35.0 + 53.0° / 75.0° Efficiency 83 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C13723_MIRELLA-RZL</p>		


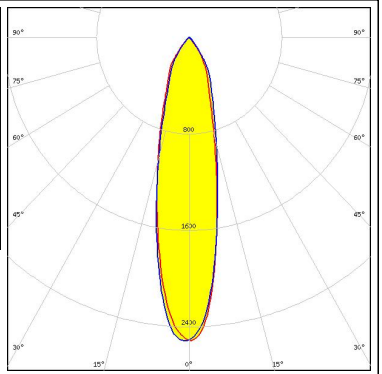

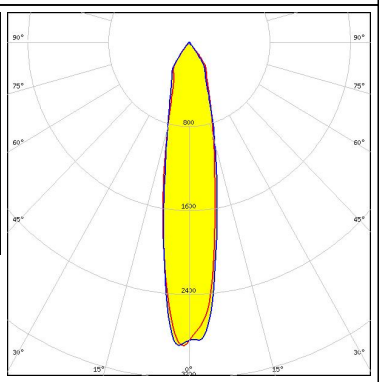

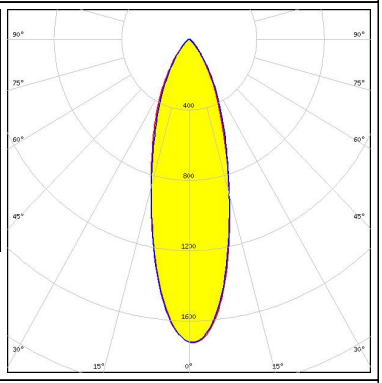

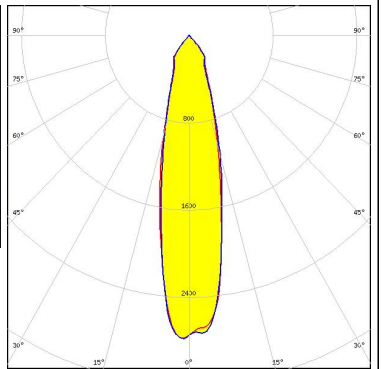
PHOTOMETRIC DATA (MEASURED):

<p>CREE → LED</p> <p>LED MK-R FWHM / FWTM 23.0° / 64.0° Efficiency 80 % Peak intensity 2.6 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C12479_MIRELLA-DL</p>		
<p>CREE → LED</p> <p>LED MT-G FWHM / FWTM 28.0° / 77.0° Efficiency 91 % Peak intensity 2.6 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET</p>		
<p>CREE → LED</p> <p>LED MT-G FWHM / FWTM 36.0° / 74.0° Efficiency 87 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C12479_MIRELLA-DL</p>		
<p>CREE → LED</p> <p>LED MT-G FWHM / FWTM 34.0° / 76.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>		


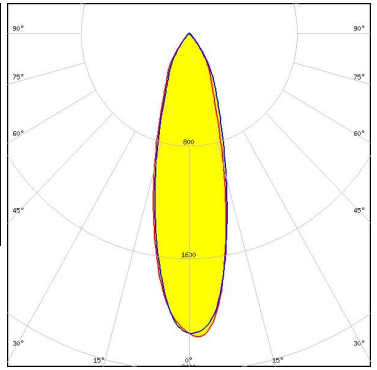

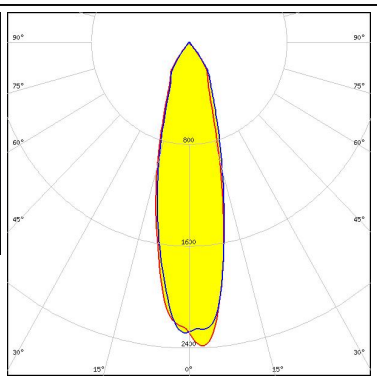

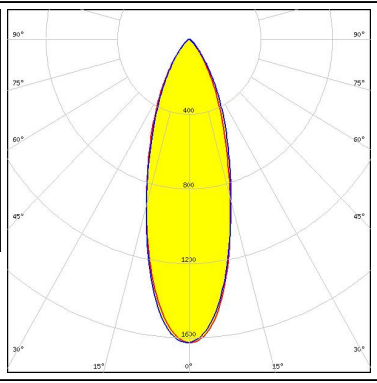

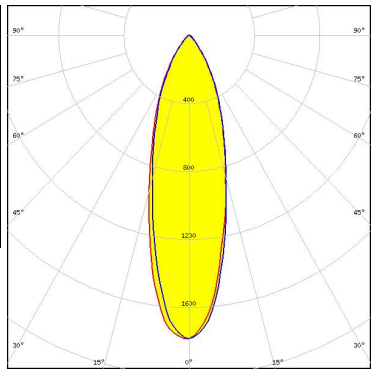
PHOTOMETRIC DATA (MEASURED):

<p>CREE → LED</p> <p>LED MT-G2 FWHM / FWTM 25.0° / 76.0° Efficiency 90 % Peak intensity 2.6 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET</p>	
<p>CREE → LED</p> <p>LED MT-G2 FWHM / FWTM 32.0° / 74.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C12479_MIRELLA-DL</p>	
<p>CREE → LED</p> <p>LED MT-G2 FWHM / FWTM 30.0° / 74.0° Efficiency 87 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>	
<p>CREE → LED</p> <p>LED XHP50 FWHM / FWTM 18.0° / 52.0° Efficiency 88 % Peak intensity 3.6 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET</p>	 

PHOTOMETRIC DATA (MEASURED):

<p>CREE LED</p> <p>LED XHP50 FWHM / FWTM 24.0° / 66.0° Efficiency 84 % Peak intensity 2.5 cd/m LEDs/each optic 1 Light colour White</p> <p>Required components: C13083_PF-SOCKET C12479_MIRELLA-DL</p>		
<p>CREE LED</p> <p>LED XHP50 FWHM / FWTM 21.0° / 66.0° Efficiency 83 % Peak intensity 2.9 cd/m LEDs/each optic 1 Light colour White</p> <p>Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>		
<p>CREE LED</p> <p>LED XHP50 FWHM / FWTM 31.0° / 71.0° Efficiency 81 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White</p> <p>Required components: C13083_PF-SOCKET C13723_MIRELLA-RZL</p>		
<p>CREE LED</p> <p>LED XHP70 FWHM / FWTM 24.0° / 62.0° Efficiency 87 % Peak intensity 2.8 cd/m LEDs/each optic 1 Light colour White</p> <p>Required components: C13083_PF-SOCKET</p>		

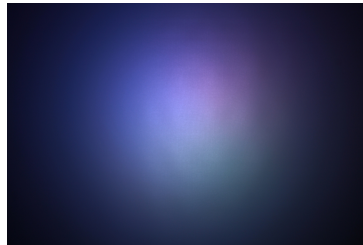
PHOTOMETRIC DATA (MEASURED):

<p>CREE LED</p> <p>LED XHP70 FWHM / FWTM 28.0° / 68.0° Efficiency 82 % Peak intensity 2.2 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C12479_MIRELLA-DL</p>		
<p>CREE LED</p> <p>LED XHP70 FWHM / FWTM 27.0° / 69.0° Efficiency 82 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>		
<p>CREE LED</p> <p>LED XHP70 FWHM / FWTM 33.0° / 72.0° Efficiency 80 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C13723_MIRELLA-RZL</p>		
<p>CREE LED</p> <p>LED XM-L RGB FWHM / FWTM 31.0° / 71.0° Efficiency 79 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C13723_MIRELLA-RZL</p>		

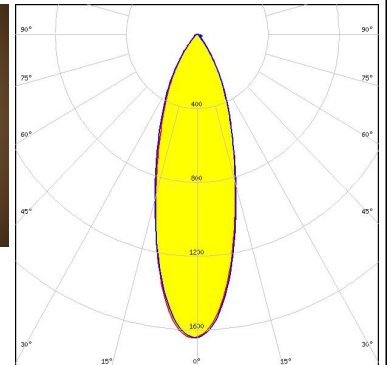
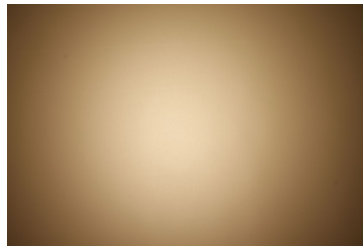
PHOTOMETRIC DATA (MEASURED):



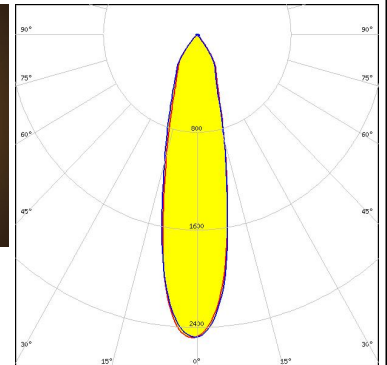
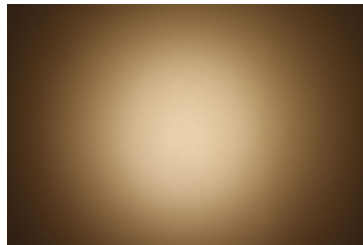
LED XQ-E HI
FWHM / FWTM 30.0° / 74.0°
Efficiency 87 %
Peak intensity 2 cd/lm
LEDs/each optic 4
Light colour RGBW
Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



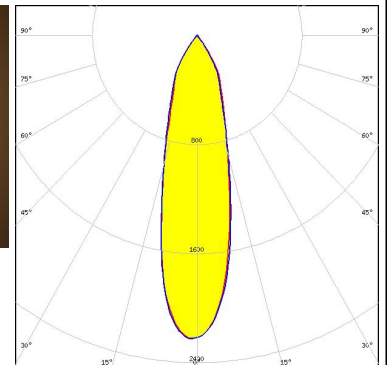
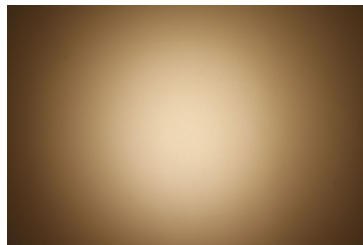
LED LUXEON CoB 1202/1203
FWHM / FWTM 32.0° / 69.0°
Efficiency 75 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1




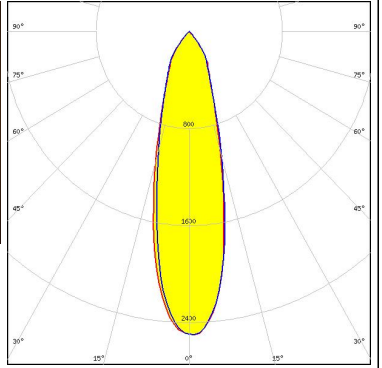
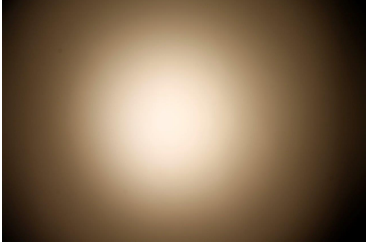
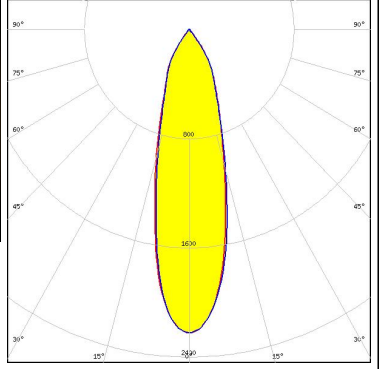
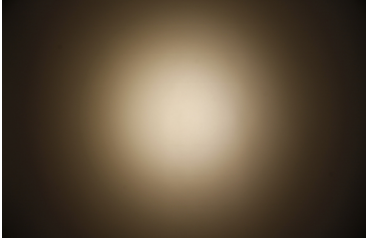
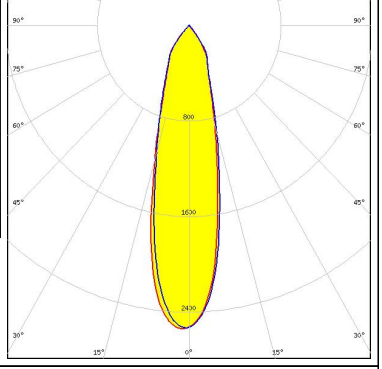
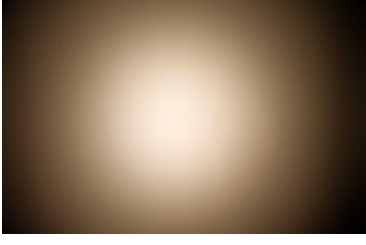
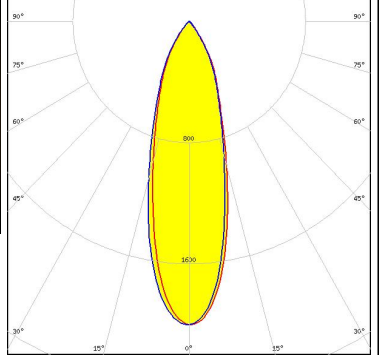
LED LUXEON CoB 1202/1203
FWHM / FWTM 25.0° / 69.0°
Efficiency 82 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1




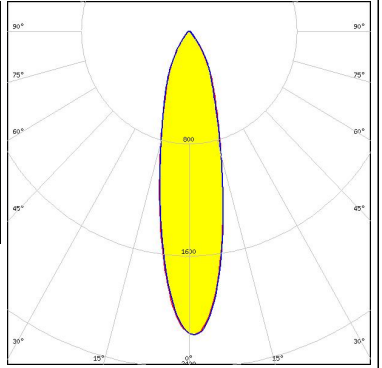



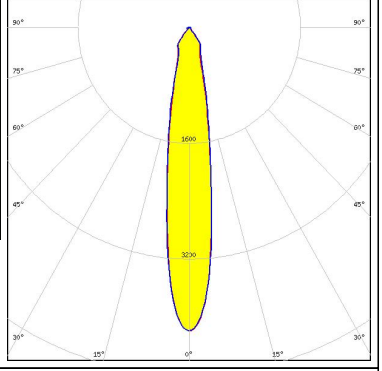

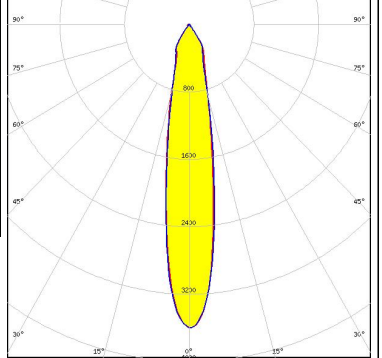
LED LUXEON CoB 1202/1203
FWHM / FWTM 27.0° / 67.0°
Efficiency 77 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 438 Typ L1



PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM / FWTM 27.0° / 70.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 2.5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14037_PF-NSX-SOCKET</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM / FWTM 28.0° / 68.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 2.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13333_MIRELLA-CL IDEAL: 50-2100NC +50-2100MR</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM / FWTM 25.0° / 69.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 2.5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: IDEAL: 50-2100NC +50-2100MR</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM / FWTM 30.0° / 68.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C12479_MIRELLA-DL IDEAL: 50-2100NC +50-2100MR</p>		

PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1202s</p> <p>FWHM / FWTM 25.0° / 65.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 2.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</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 / FWTM 20.0° / 58.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 3.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C13761_PF-SOCKET-CXA15</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202s</p> <p>FWHM / FWTM 17.0° / 45.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 4.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>Bender Wirth: 452 Typ L1</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202s</p> <p>FWHM / FWTM 19.0° / 55.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 3.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C13333_MIRELLA-CL</p> <p>Bender Wirth: 452 Typ L1</p>		

PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON CoB 1202s
 FWHM / FWTM 23.0° / 72.0°
 Efficiency 83 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



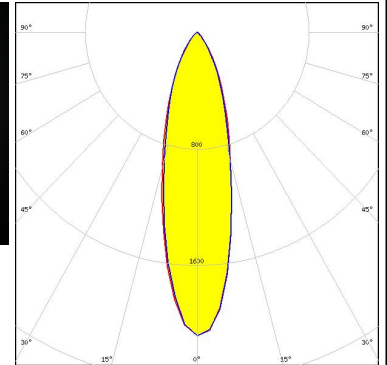
LUMILEDS

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



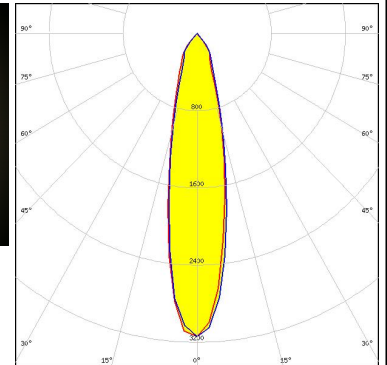
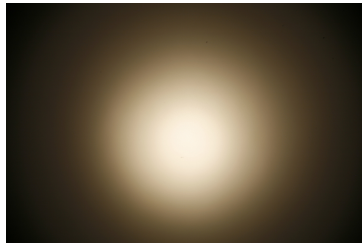
LUMILEDS

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



LUMINUS

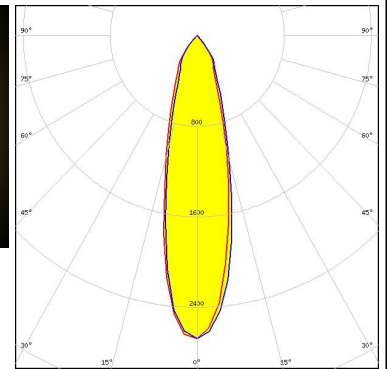
LED CxM-6 (12x13)
 FWHM / FWTM 23.0° / 57.0°
 Efficiency 85 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



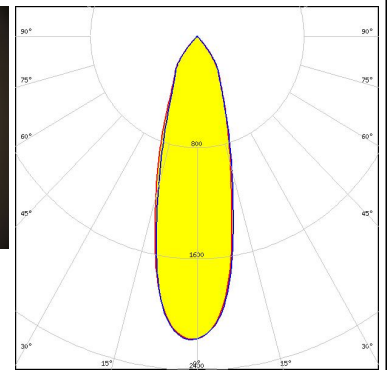
PHOTOMETRIC DATA (MEASURED):



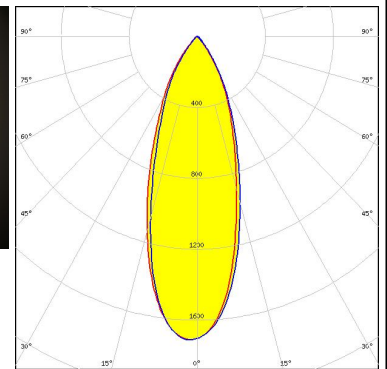
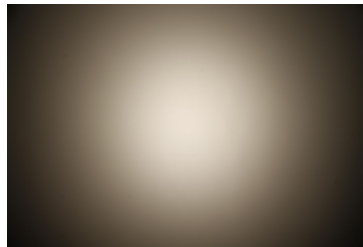
LED CXM-7 (13x13)
 FWHM / FWTM 26.0° / 69.0°
 Efficiency 86 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



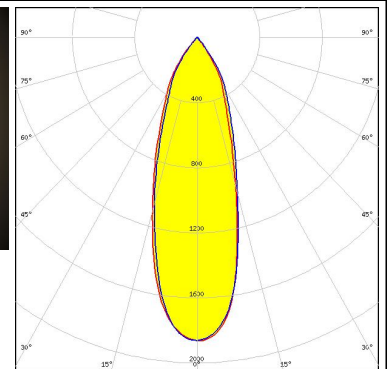
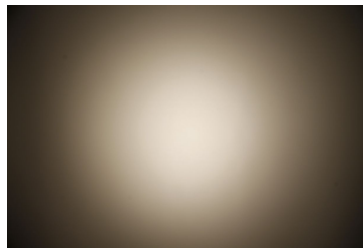
LED CxM-9 (13.5x13.5)
 FWHM / FWTM 30.0° / 74.0°
 Efficiency 89 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



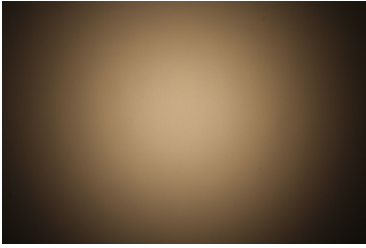
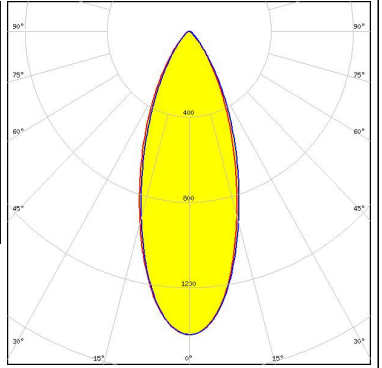

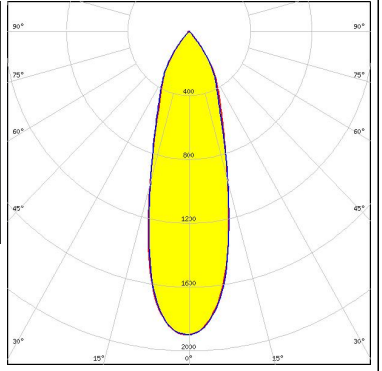
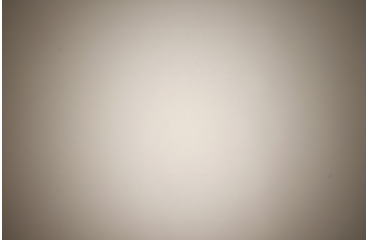
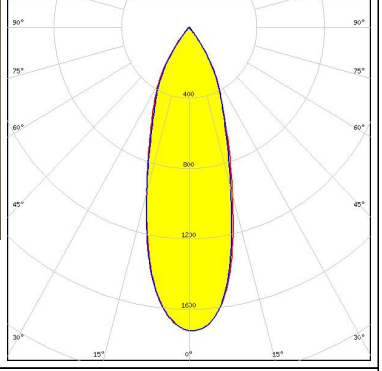
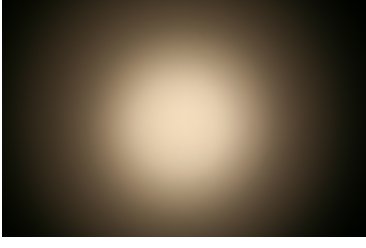
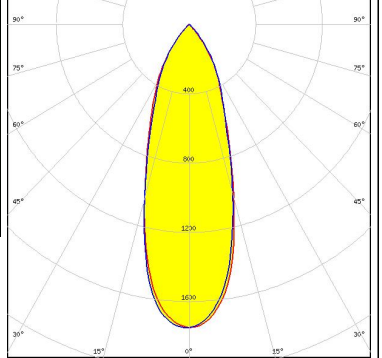
LED CxM-9 (13.5x13.5)
 FWHM / FWTM 35.0° / 72.0°
 Efficiency 84 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL




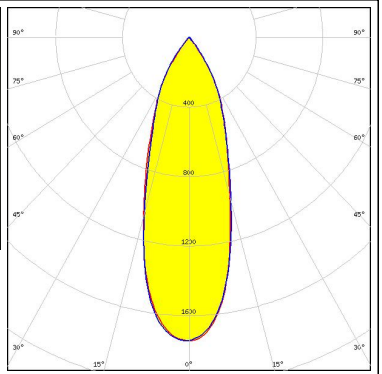

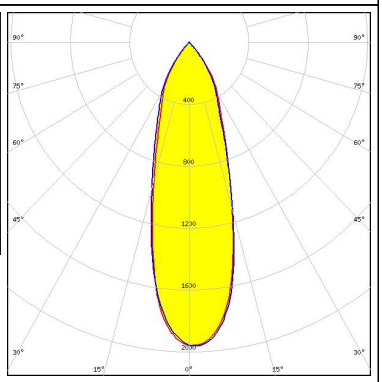
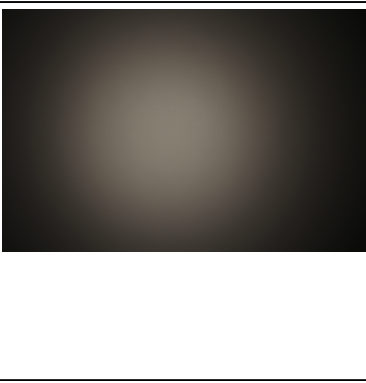
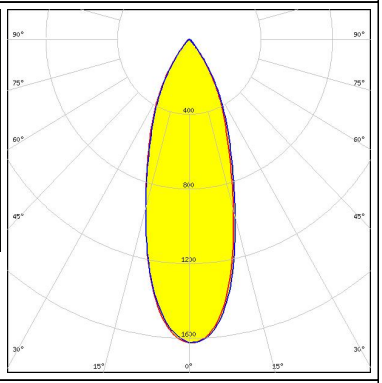
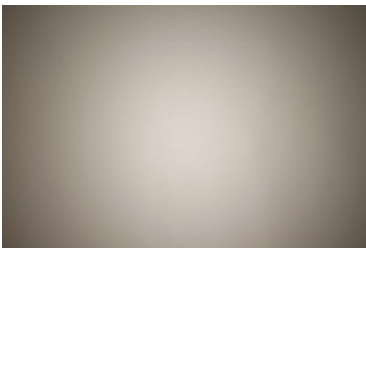
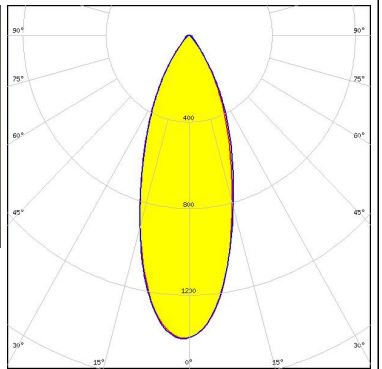
LED CxM-9 (13.5x13.5)
 FWHM / FWTM 33.0° / 72.0°
 Efficiency 84 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



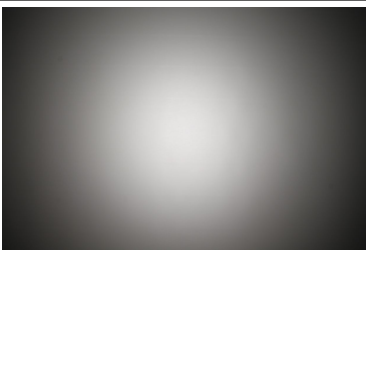
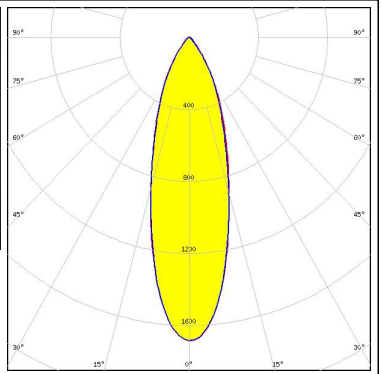

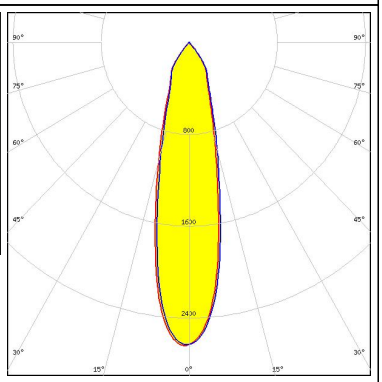

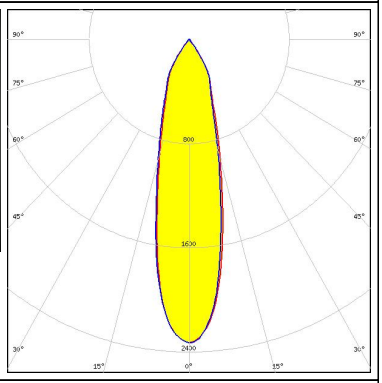

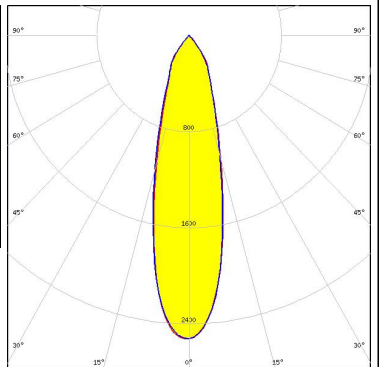
PHOTOMETRIC DATA (MEASURED):

<p>LUMINUS</p> <p>LED CxM-9 (13.5x13.5)</p> <p>FWHM / FWTM 38.0° / 76.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13083_PF-SOCKET C13723_MIRELLA-RZL</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 11)</p> <p>FWHM / FWTM 31.0° / 73.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13709_PF-SOCKET-VERO13-18 Bender Wirth: 438 Typ L1</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 11)</p> <p>FWHM / FWTM 33.0° / 70.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>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)</p> <p>FWHM / FWTM 35.0° / 75.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14037_PF-NSX-SOCKET</p>		


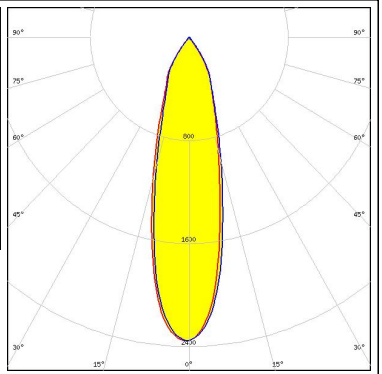

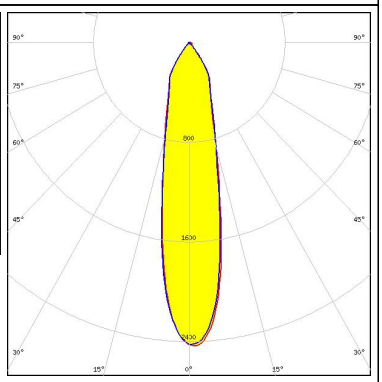

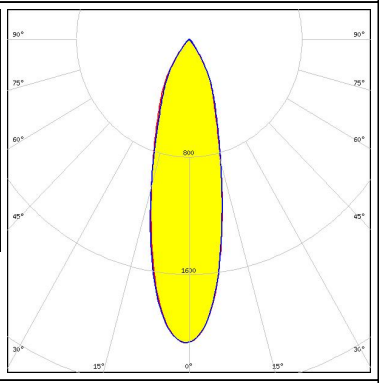

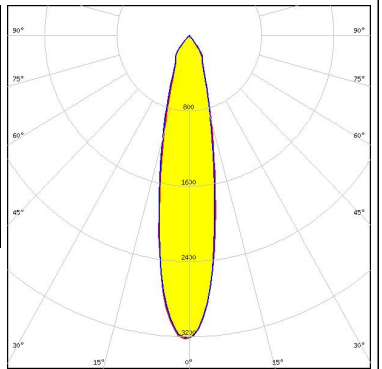
PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED COB L-Type (LES 11)</p> <p>FWHM / FWTM 34.0° / 71.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13333_MIRELLA-CL IDEAL: 50-2100NC +50-2100MR</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 11)</p> <p>FWHM / FWTM 31.0° / 74.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: IDEAL: 50-2100NC +50-2100MR</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 11)</p> <p>FWHM / FWTM 35.0° / 71.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C12479_MIRELLA-DL IDEAL: 50-2100NC +50-2100MR</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 11)</p> <p>FWHM / FWTM 37.0° / 73.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13709_PF-SOCKET-VERO13-18 C12479_MIRELLA-DL Bender Wirth: 438 Typ L1</p>		

PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED COB L-Type (LES 9)</p> <p>FWHM / FWTM 31.0° / 69.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 1.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C12479_MIRELLA-DL</p> <p>Bender Wirth: 438 Typ L1</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 9)</p> <p>FWHM / FWTM 24.0° / 68.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 2.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>Bender Wirth: 438 Typ L1</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 9)</p> <p>FWHM / FWTM 25.0° / 66.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 2.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C13333_MIRELLA-CL</p> <p>Bender Wirth: 438 Typ L1</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 9)</p> <p>FWHM / FWTM 27.0° / 69.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 2.5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C14037_PF-NSX-SOCKET</p>		

PHOTOMETRIC DATA (MEASURED):

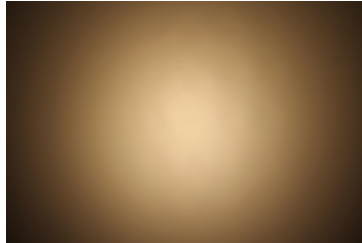
<p>NICHIA</p> <p>LED COB L-Type (LES 9)</p> <p>FWHM / FWTM 27.0° / 67.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13333_MIRELLA-CL IDEAL: 50-2100NC +50-2100MR</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 9)</p> <p>FWHM / FWTM 23.0° / 68.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 2.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: IDEAL: 50-2100NC +50-2100MR</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 9)</p> <p>FWHM / FWTM 28.0° / 67.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 2.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C12479_MIRELLA-DL IDEAL: 50-2100NC +50-2100MR</p>		
<p>NICHIA</p> <p>LED NSCxL036A</p> <p>FWHM / FWTM 22.0° / 55.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 3.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14037_PF-NSX-SOCKET</p>		

PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

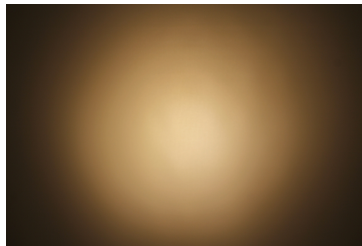
LED Duris S10
FWHM / FWTM 31.0° / 72.0°
Efficiency 80 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



OSRAM

Opto Semiconductors

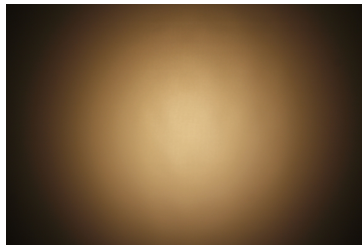
LED Duris S10
FWHM / FWTM 25.0° / 70.0°
Efficiency 82 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



OSRAM

Opto Semiconductors

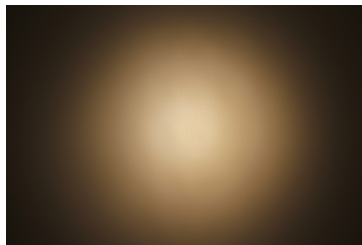
LED Duris S10
FWHM / FWTM 33.0° / 73.0°
Efficiency 81 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



OSRAM

Opto Semiconductors

LED Duris S10
FWHM / FWTM 21.0° / 60.0°
Efficiency 87 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET

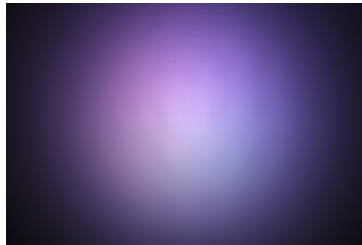


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

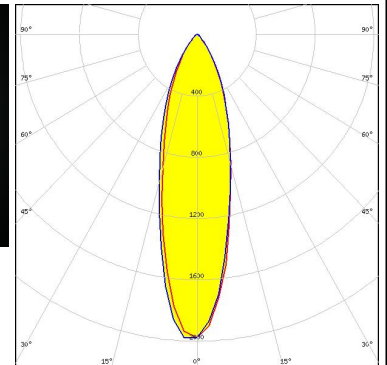
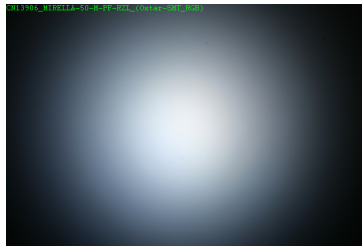
LED OSTAR Stage (S2WP)
 FWHM / FWTM 27.0° / 70.0°
 Efficiency 83 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



OSRAM

Opto Semiconductors

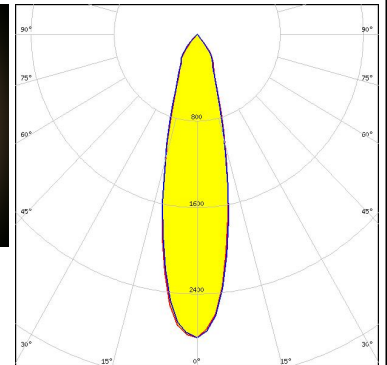
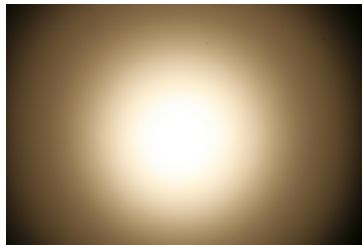
LED Ostar-SMT RGB
 FWHM / FWTM 29.0° / 69.0°
 Efficiency 80 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



SEOL

SEOUL SEMICONDUCTOR

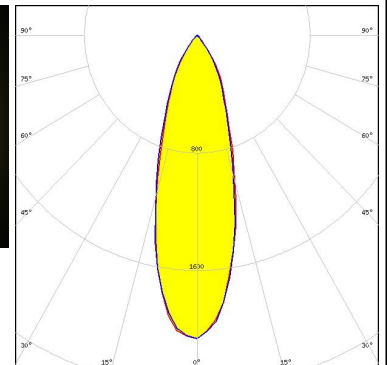
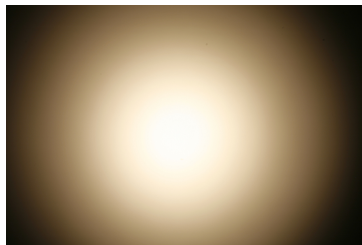
LED ZC4/6
 FWHM / FWTM 26.0° / 66.0°
 Efficiency 87 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET





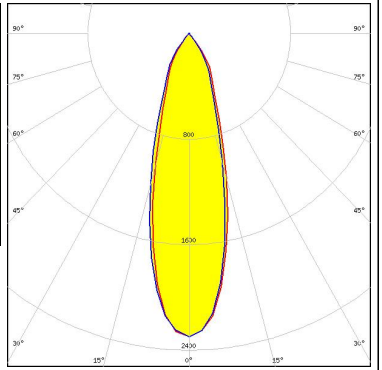

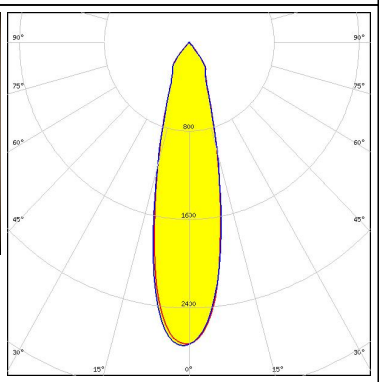

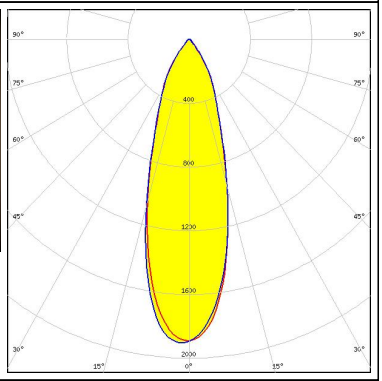

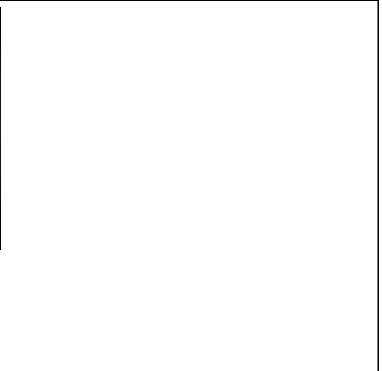
SEOL

SEOUL SEMICONDUCTOR

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



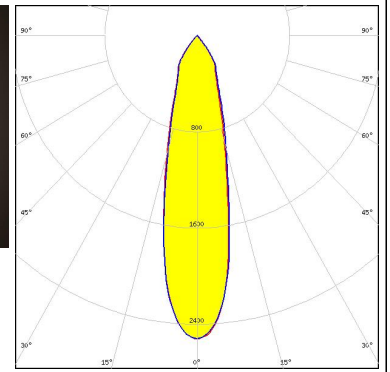
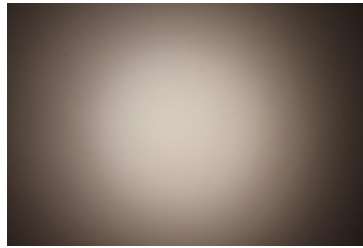
PHOTOMETRIC DATA (MEASURED):

<p> SEOL SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM / FWTM 31.0° / 69.0° Efficiency 82 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>		
<p>SHARP</p> <p>LED Mini Zenigata (GW6BM) FWHM / FWTM 25.0° / 73.0° Efficiency 90 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C13083_PF-SOCKET</p>		
<p>SHARP</p> <p>LED Mini Zenigata (GW6BM) FWHM / FWTM 30.0° / 70.0° Efficiency 83 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C13083_PF-SOCKET C12479_MIRELLA-DL</p>		
<p>SHARP</p> <p>LED Mini Zenigata (GW6BM) FWHM / FWTM 28.0° / 71.0° Efficiency 83 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>		

PHOTOMETRIC DATA (MEASURED):

XICATO

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



PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON CoB Compact
FWHM / FWTM 19.0° / 55.0°
Efficiency 81 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 452 Typ L1

LUMILEDS

LED LUXEON CoB Compact
FWHM / FWTM 17.0° / 45.0°
Efficiency 86 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 452 Typ L1

LUMILEDS

LED LUXEON CoB Compact
FWHM / FWTM 25.0° / 65.0°
Efficiency 79 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 452 Typ L1

LUMILEDS

LED LUXEON CoB Compact
FWHM / FWTM 23.0° / 72.0°
Efficiency 83 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13761_PF-SOCKET-CXA15
C13333_MIRELLA-CL

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

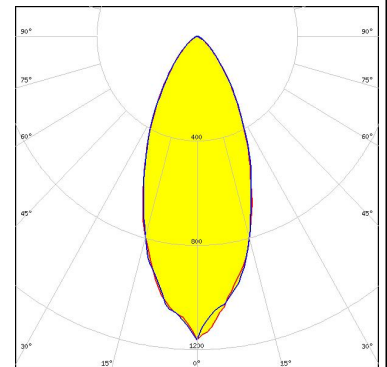
LED LUXEON CoB Compact
 FWHM / FWTM 26.0° / 70.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL

LUMILEDS

LED LUXEON CoB Compact
 FWHM / FWTM 20.0° / 58.0°
 Efficiency 88 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15

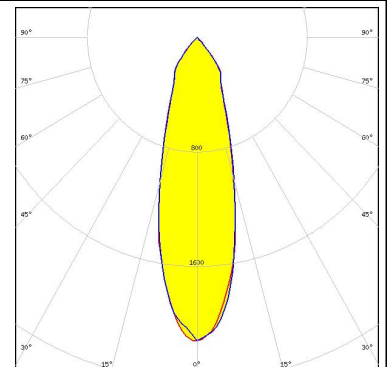
LUMILEDS

LED LUXEON K4
 FWHM / FWTM 44.0° / 88.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



LUMILEDS

LED LUXEON K4
 FWHM / FWTM 30.0° / 78.0°
 Efficiency 88 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15



PHOTOMETRIC DATA (SIMULATED):

LUMINUS

LED CxM-14 (19x19)
FWHM / FWTM 41.0° / 75.0°
Efficiency 71 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 433 Typ L1

LUMINUS

LED CxM-14 (19x19)
FWHM / FWTM 38.0° / 78.0°
Efficiency 75 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18

LUMINUS

LED CxM-14 (19x19)
FWHM / FWTM 42.0° / 76.0°
Efficiency 70 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 433 Typ L1

LUMINUS

LED CxM-9 (13.5x13.5)
FWHM / FWTM 28.0° / 68.0°
Efficiency 79 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 434 Typ L1

PHOTOMETRIC DATA (SIMULATED):

LUMINUS

LED CxM-9 (13.5x13.5)
FWHM / FWTM 26.0° / 69.0°
Efficiency 84 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 434 Typ L1

LUMINUS

LED CxM-9 (13.5x13.5)
FWHM / FWTM 33.0° / 70.0°
Efficiency 76 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 434 Typ L1

NICHIA

LED COB S-Type (LES 7)
FWHM / FWTM 19.0° / 55.0°
Efficiency 81 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 452 Typ L1

NICHIA

LED COB S-Type (LES 7)
FWHM / FWTM 17.0° / 45.0°
Efficiency 86 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 452 Typ L1

PHOTOMETRIC DATA (SIMULATED):

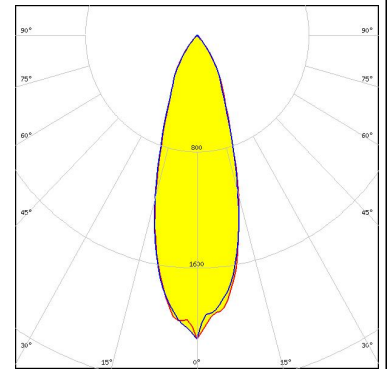
<p>NICHIA</p> <p>LED COB S-Type (LES 7)</p> <p>FWHM / FWTM 25.0° / 65.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13709_PF-SOCKET-VERO13-18 C12479_MIRELLA-DL Bender Wirth: 452 Typ L1</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Soleriq S15</p> <p>FWHM / FWTM 38.0° / 79.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13709_PF-SOCKET-VERO13-18 Bender Wirth: 433 Typ L1</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Soleriq S9</p> <p>FWHM / FWTM 32.0° / 70.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Soleriq S9</p> <p>FWHM / FWTM 23.0° / 60.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 3.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13709_PF-SOCKET-VERO13-18 Bender Wirth: 434 Typ L1</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

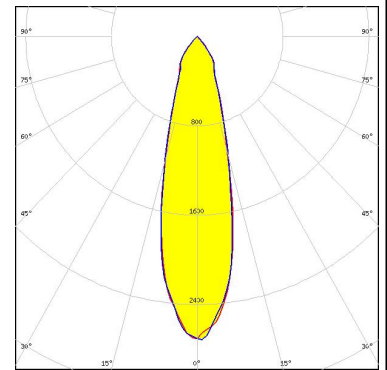
LED Soleriq S9
 FWHM / FWTM 32.0° / 69.0°
 Efficiency 85 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



OSRAM

Opto Semiconductors

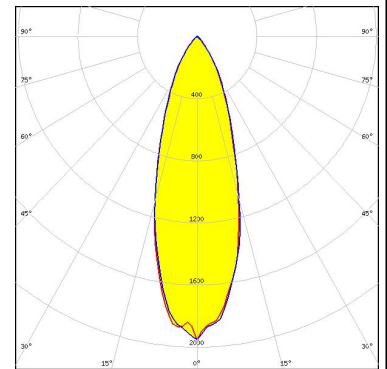
LED Soleriq S9
 FWHM / FWTM 27.0° / 68.0°
 Efficiency 91 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



OSRAM

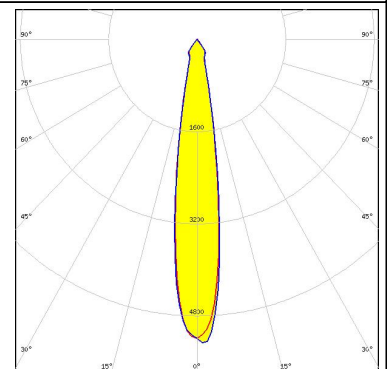
Opto Semiconductors

LED Soleriq S9
 FWHM / FWTM 32.0° / 70.0°
 Efficiency 86 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



SAMSUNG

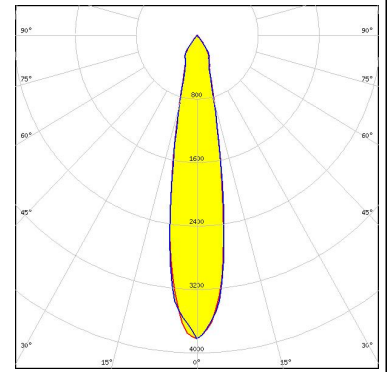
LED LC010C
 FWHM / FWTM 17.0° / 35.0°
 Efficiency 87 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 479 Typ L1



PHOTOMETRIC DATA (SIMULATED):

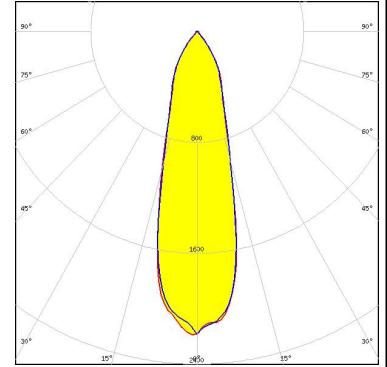
SAMSUNG

LED LC020C
 FWHM / FWTM 20.0° / 48.0°
 Efficiency 86 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 479 Typ L1



SAMSUNG

LED LC040C
 FWHM / FWTM 28.0° / 70.0°
 Efficiency 84 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 480 Typ L1



SEOUL SEMICONDUCTOR


LED ZC4/6
 FWHM / FWTM 28.0° / 68.0°
 Efficiency 79 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 434 Typ L1



SEOUL SEMICONDUCTOR

LED ZC4/6
 FWHM / FWTM 26.0° / 69.0°
 Efficiency 84 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 434 Typ L1

PHOTOMETRIC DATA (SIMULATED):

	
SEOUL SEMICONDUCTOR	
LED	ZC4/6
FWHM / FWTM	33.0° / 70.0°
Efficiency	76 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C13709_PF-SOCKET-VERO13-18	
C12479_MIRELLA-DL	
Bender Wirth: 434 Typ L1	

GENERAL INFORMATION:

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

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

MATERIALS:

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

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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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