


## MIRELLA-50-W-PF

~40° wide beam

### TECHNICAL SPECIFICATIONS:

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

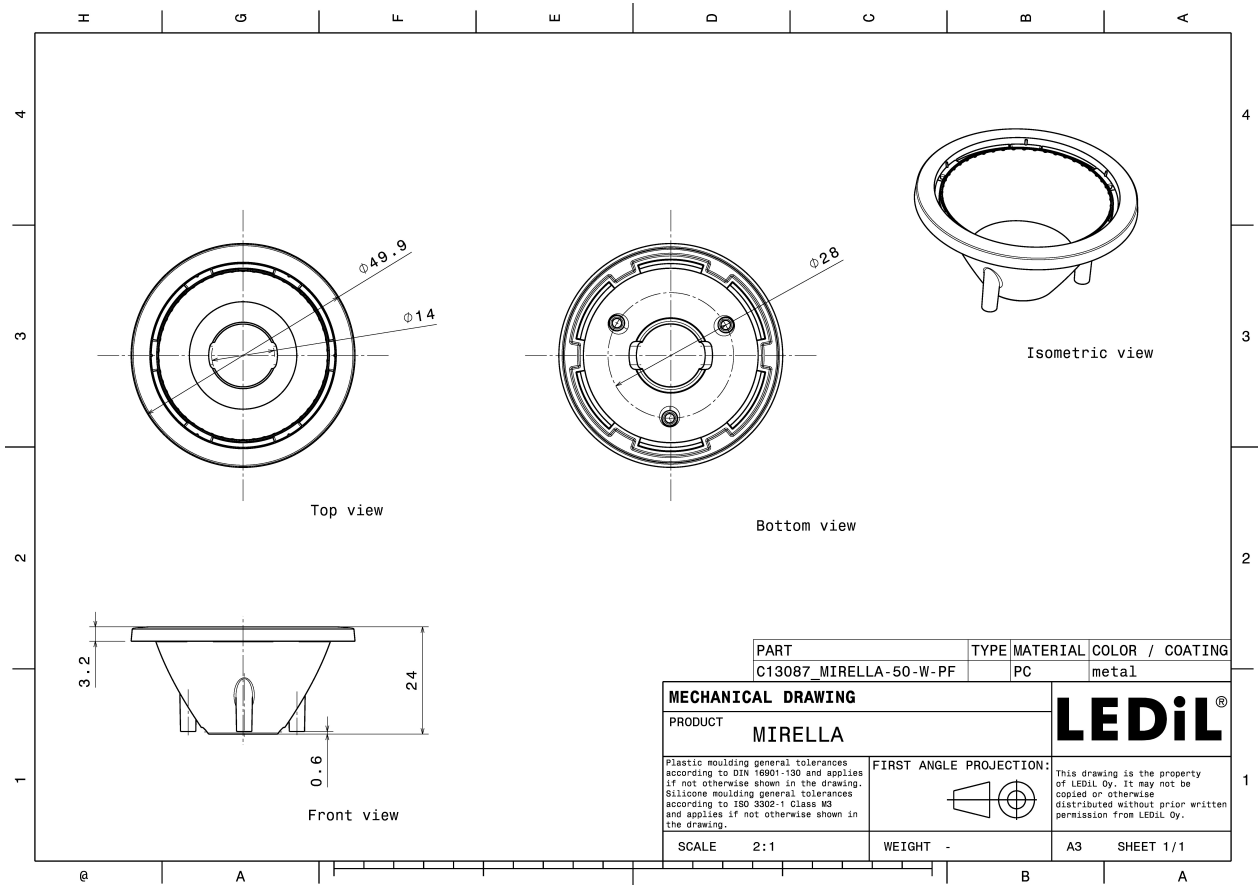
### MATERIAL SPECIFICATIONS:

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

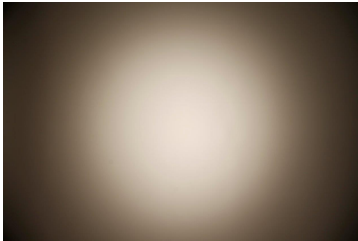
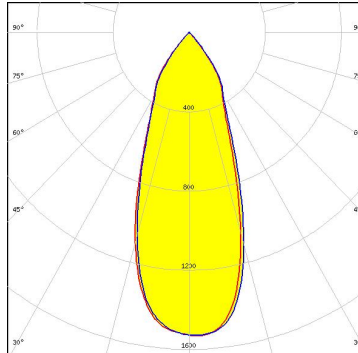
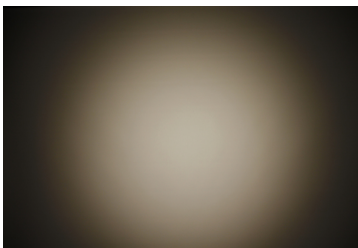
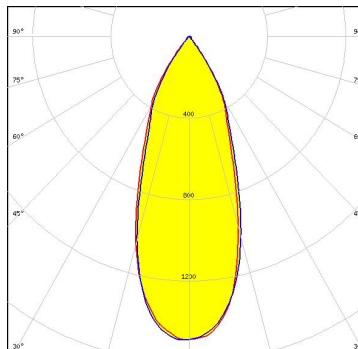
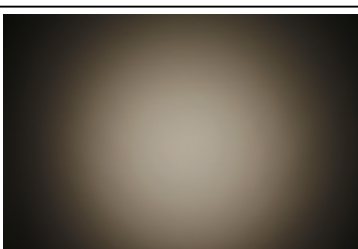
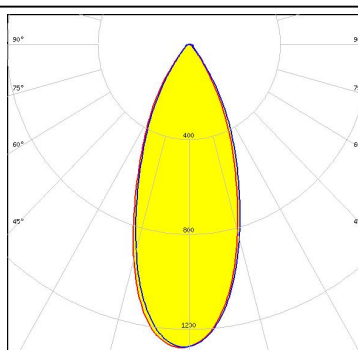
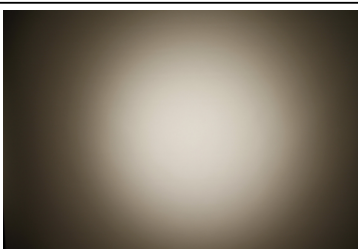
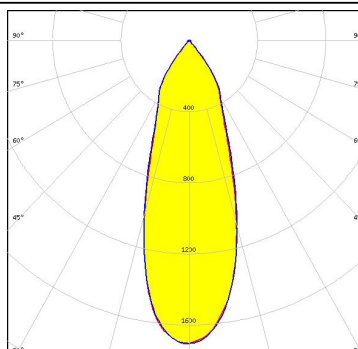
### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13087_MIRELLA-50-W-PF » Box size: 480 x 280 x 300 mm	336	112	28	2.8





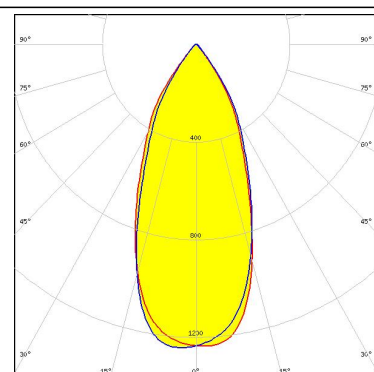
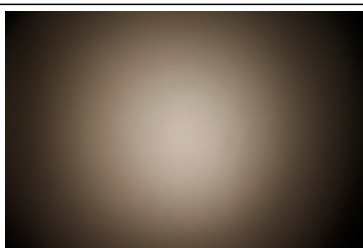
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V10 Gen6</p> <p>FWHM 39.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C14115_PF-SOCKET-CXA15-18</p>		
<p>bridgelux.</p> <p>LED V10 Gen7</p> <p>FWHM 39.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 1.5 cd/lm</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 40.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 1.3 cd/lm</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 35.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p>		

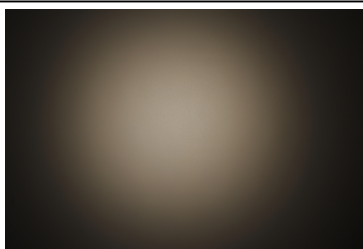
#### PHOTOMETRIC DATA (MEASURED):



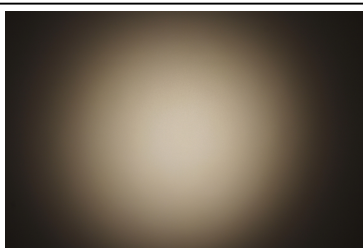
LED V6 Gen6  
FWHM 44.0°  
Efficiency 81 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13761\_PF-SOCKET-CXA15  
C12479\_MIRELLA-DL



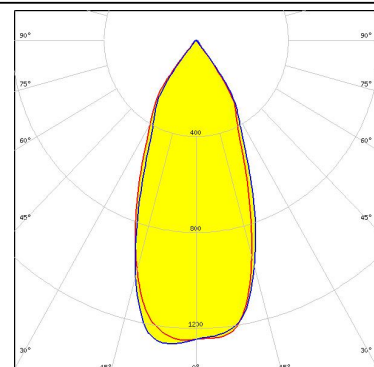
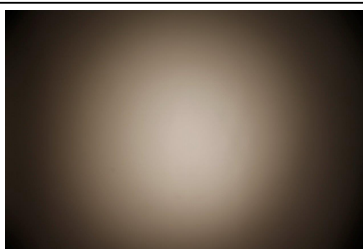
LED V6 Gen6  
FWHM 31.0°  
Efficiency 74 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C12479\_MIRELLA-DL  
Bender Wirth: 460 Typ L1



LED V6 Gen6  
FWHM 27.0°  
Efficiency 82 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 460 Typ L1



LED V6 Gen6  
FWHM 44.0°  
Efficiency 81 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13761\_PF-SOCKET-CXA15  
C13333\_MIRELLA-CL

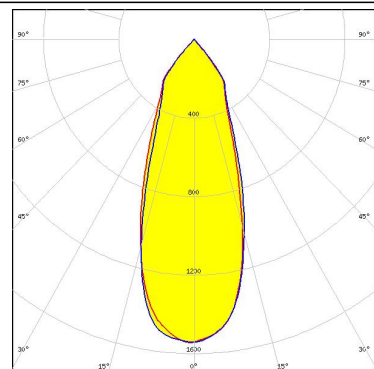
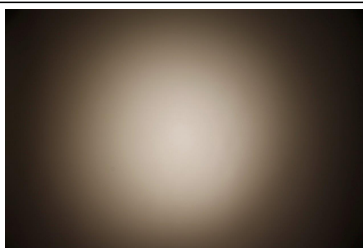




#### PHOTOMETRIC DATA (MEASURED):

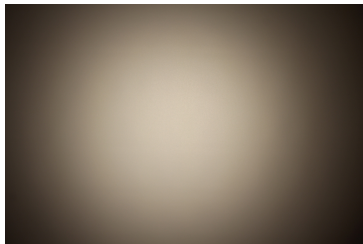
bridgelux.

LED V6 Gen6  
FWHM 39.0°  
Efficiency 87 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13761\_PF-SOCKET-CXA15



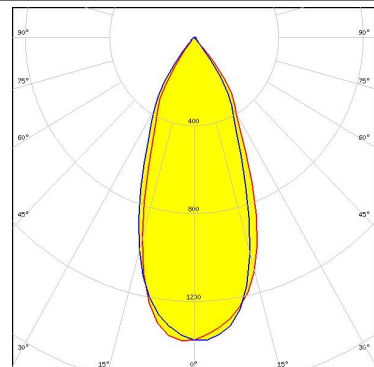
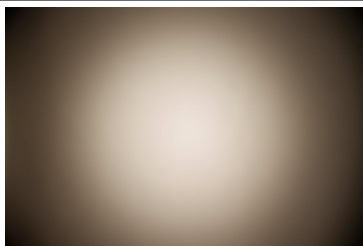
bridgelux.

LED V8 Gen6  
FWHM 36.0°  
Efficiency 73 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C12479\_MIRELLA-DL  
Bender Wirth: 460 Typ L1



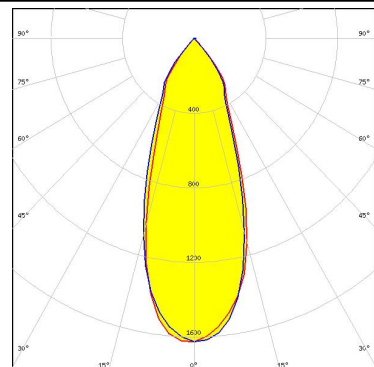
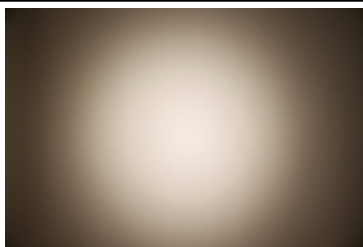
bridgelux.

LED V8 Gen6  
FWHM 42.0°  
Efficiency 82 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13761\_PF-SOCKET-CXA15  
C13333\_MIRELLA-CL



bridgelux.

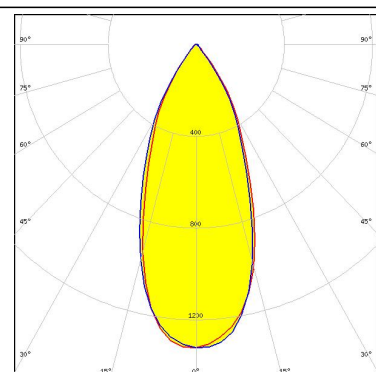
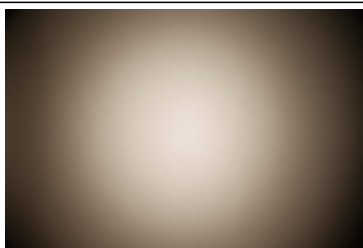
LED V8 Gen6  
FWHM 38.0°  
Efficiency 87 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13761\_PF-SOCKET-CXA15



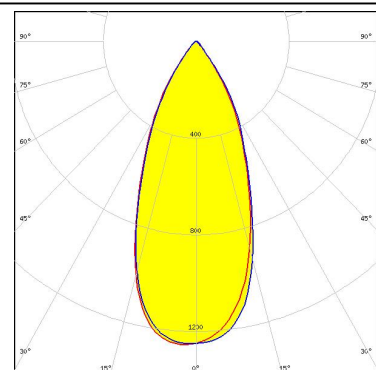
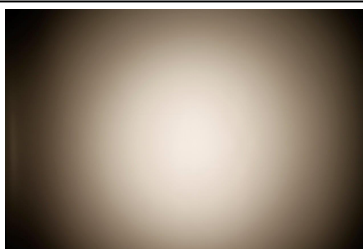
#### PHOTOMETRIC DATA (MEASURED):



LED V8 Gen6  
FWHM 43.0°  
Efficiency 82 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13761\_PF-SOCKET-CXA15  
C12479\_MIRELLA-DL



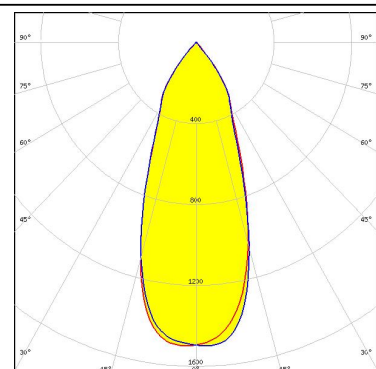
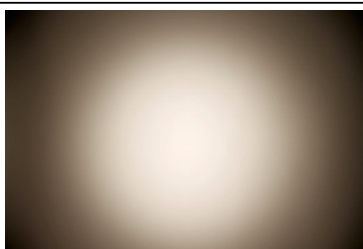
LED VERO10  
FWHM 44.0°  
Efficiency 80 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13708\_PF-SOCKET-VERO10  
C12479\_MIRELLA-DL



LED VERO10  
FWHM 44.0°  
Efficiency 80 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13708\_PF-SOCKET-VERO10  
C13333\_MIRELLA-CL



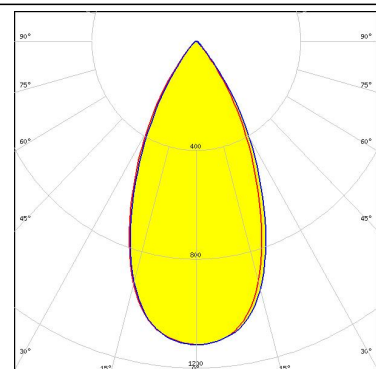
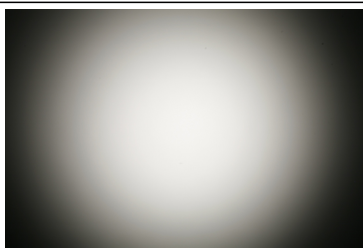
LED VERO10  
FWHM 40.0°  
Efficiency 85 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13708\_PF-SOCKET-VERO10



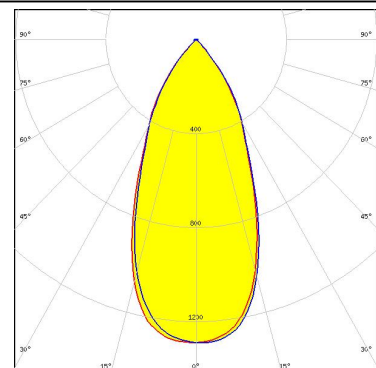
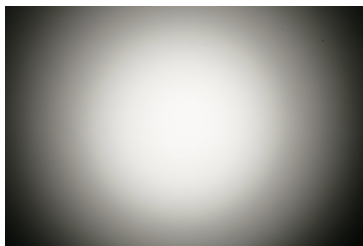
#### PHOTOMETRIC DATA (MEASURED):



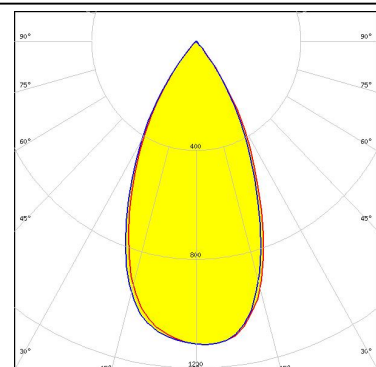
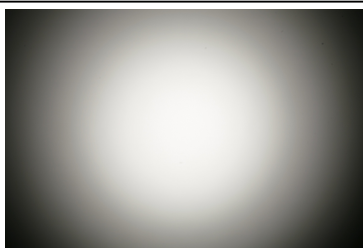
LED VERO13  
FWHM 50.0°  
Efficiency 82 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C12479\_MIRELLA-DL



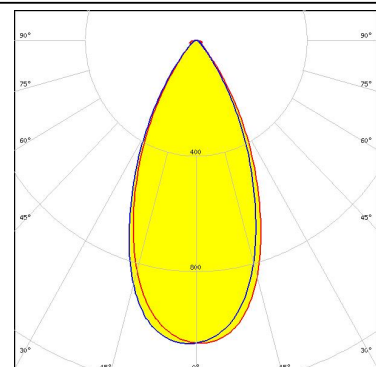
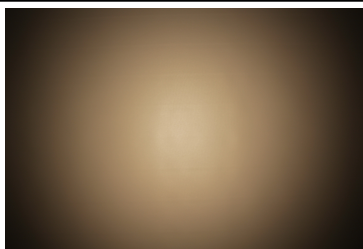
LED VERO13  
FWHM 46.0°  
Efficiency 90 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18



LED VERO13  
FWHM 51.0°  
Efficiency 77 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C13333\_MIRELLA-CL



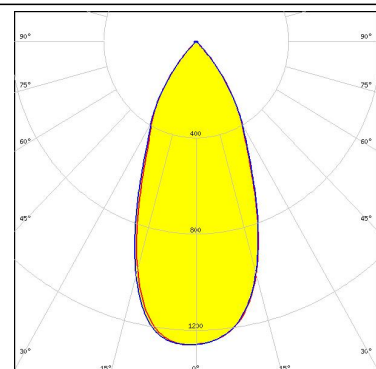
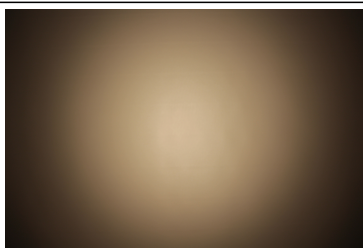
LED Xenio Point 13mm  
FWHM 48.0°  
Efficiency 78 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C12479\_MIRELLA-DL



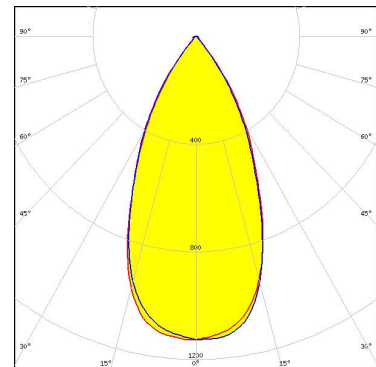
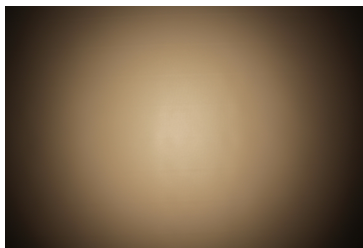
#### PHOTOMETRIC DATA (MEASURED):



LED Xenio Point 13mm  
 FWHM 45.0°  
 Efficiency 85 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18



LED Xenio Point 13mm  
 FWHM 49.0°  
 Efficiency 81 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C13333\_MIRELLA-CL



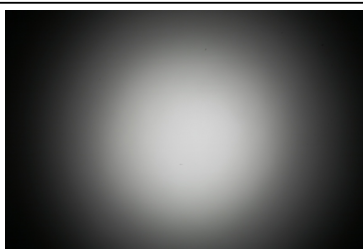
#### CITIZEN

LED CLL01x  
 FWHM 36.0°  
 Efficiency 90 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET



#### CITIZEN

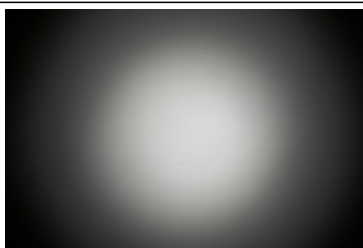
LED CLL01x  
 FWHM 44.0°  
 Efficiency 86 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET  
 C12479\_MIRELLA-DL



#### PHOTOMETRIC DATA (MEASURED):

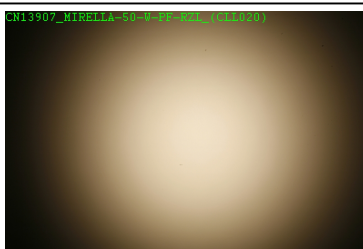
#### CITIZEN

LED CLL01x  
FWHM 42.0°  
Efficiency 86 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C13333\_MIRELLA-CL



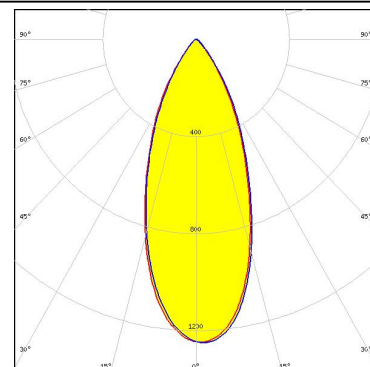
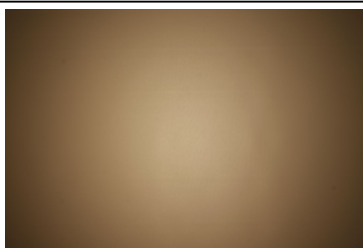
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM 46.0°  
Efficiency %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C13723\_MIRELLA-RZL



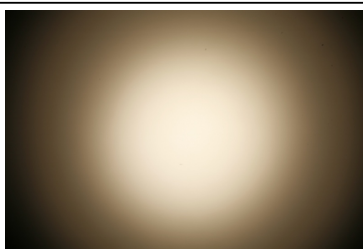
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM 41.0°  
Efficiency 76 %  
Peak intensity 1.3 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 41.0°  
Efficiency 90 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET





#### PHOTOMETRIC DATA (MEASURED):

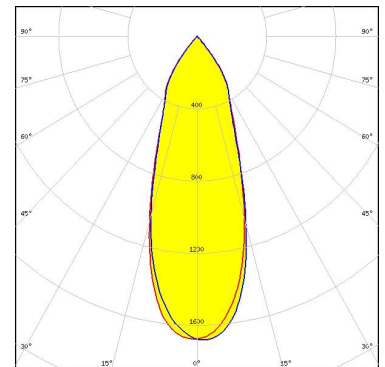
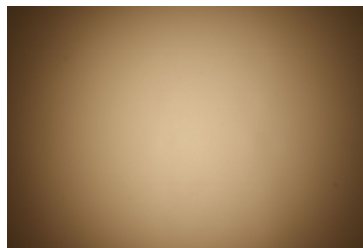
##### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM 46.0°  
Efficiency 86 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C12479\_MIRELLA-DL



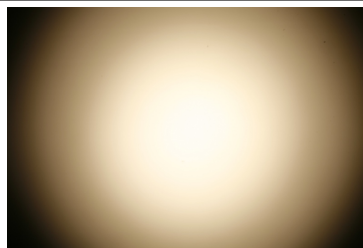
##### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM 36.0°  
Efficiency 84 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 434 Typ L1



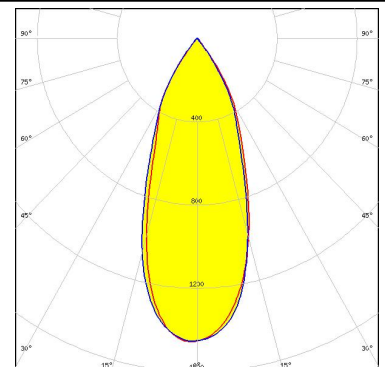
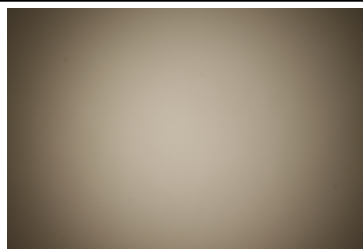
##### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM 46.0°  
Efficiency 86 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C13333\_MIRELLA-CL



##### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM 39.0°  
Efficiency 78 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C13333\_MIRELLA-CL  
Bender Wirth: 434 Typ L1

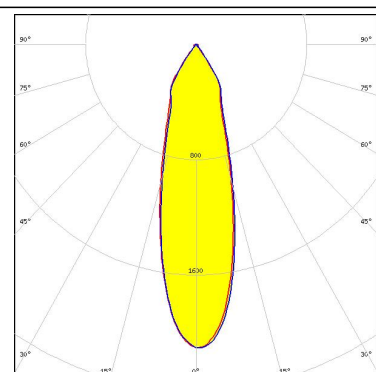
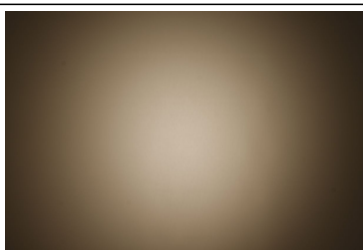




#### PHOTOMETRIC DATA (MEASURED):

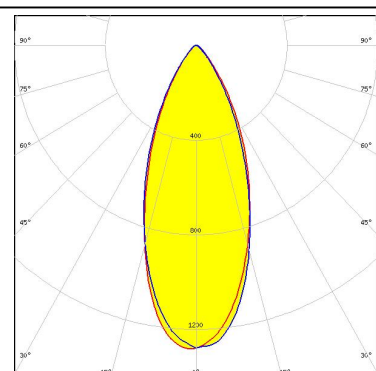
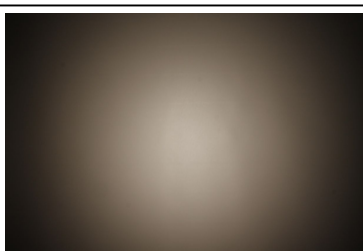
#### CITIZEN

LED CLU700/701/702  
 FWHM 29.0°  
 Efficiency 80 %  
 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



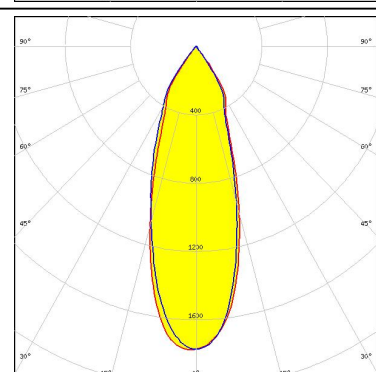
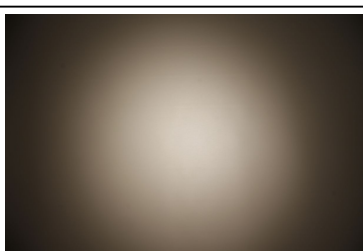
#### CITIZEN

LED CLU700/701/702  
 FWHM 42.0°  
 Efficiency 81 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET  
 C13723\_MIRELLA-RZL



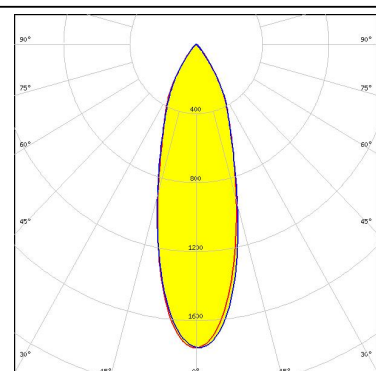
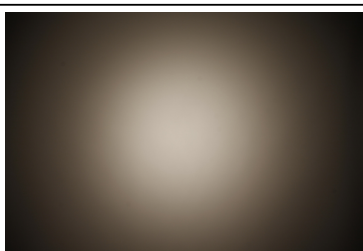
#### CITIZEN

LED CLU700/701/702  
 FWHM 34.0°  
 Efficiency 81 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET  
 C13333\_MIRELLA-CL



#### CITIZEN

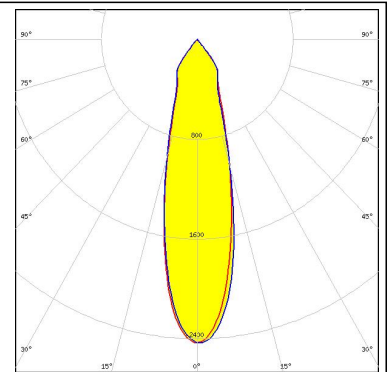
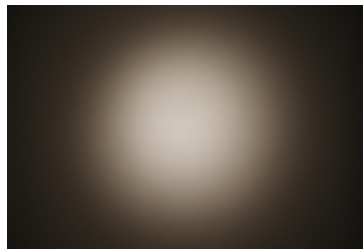
LED CLU700/701/702  
 FWHM 31.0°  
 Efficiency 77 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C12479\_MIRELLA-DL  
 Bender Wirth: 434 Typ L1



#### PHOTOMETRIC DATA (MEASURED):

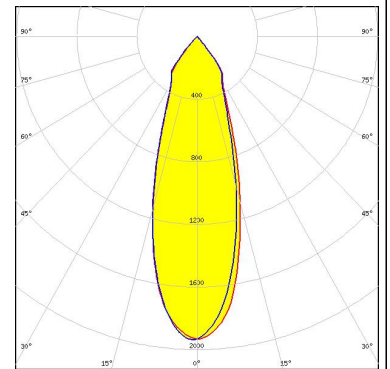
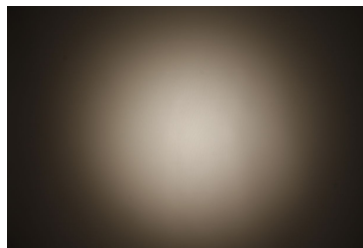
#### CITIZEN

LED CLU700/701/702  
 FWHM 26.0°  
 Efficiency 83 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 Bender Wirth: 434 Typ L1



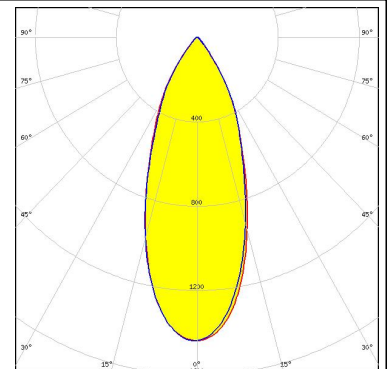
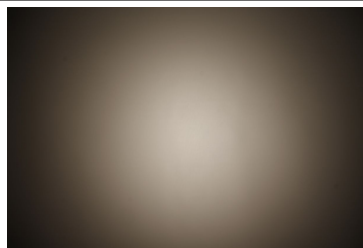
#### CITIZEN

LED CLU700/701/702  
 FWHM 33.0°  
 Efficiency 88 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET



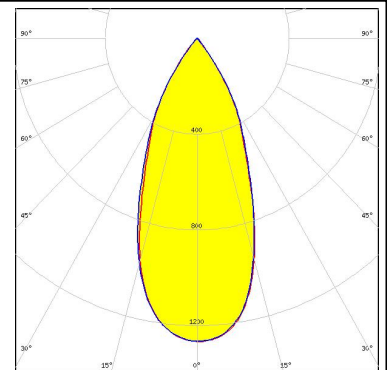
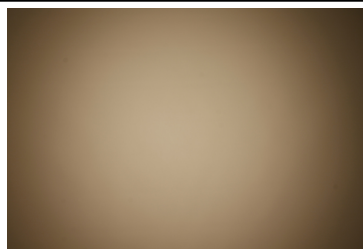
#### CITIZEN

LED CLU700/701/702  
 FWHM 39.0°  
 Efficiency 82 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET  
 C12479\_MIRELLA-DL



#### CITIZEN

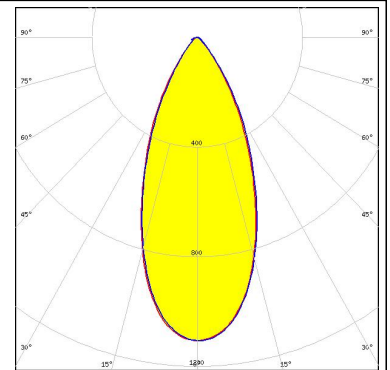
LED CLU720/721  
 FWHM 43.0°  
 Efficiency 76 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C13333\_MIRELLA-CL  
 Bender Wirth: 433 Typ L1



#### PHOTOMETRIC DATA (MEASURED):

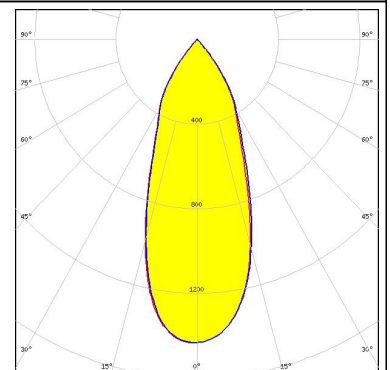
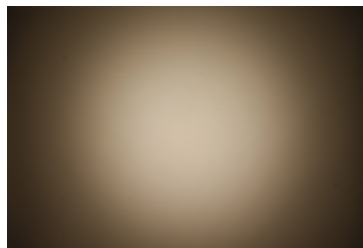
#### CITIZEN

LED CLU720/721  
 FWHM 44.0°  
 Efficiency 74 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C12479\_MIRELLA-DL  
 Bender Wirth: 433 Typ L1



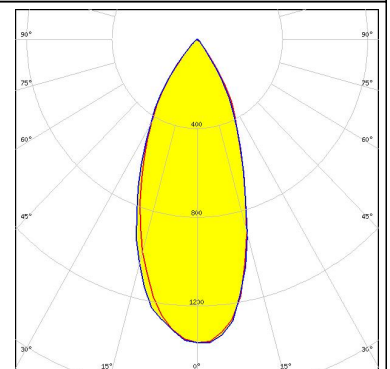
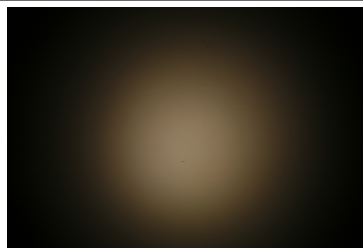
#### CITIZEN

LED CLU720/721  
 FWHM 40.0°  
 Efficiency 81 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 Bender Wirth: 433 Typ L1



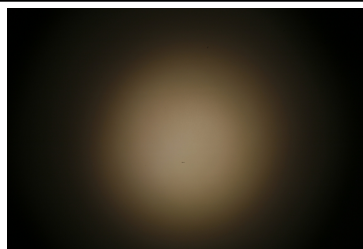
#### CREE

LED CXA/B 13xx  
 FWHM 43.0°  
 Efficiency 81 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13761\_PF-SOCKET-CXA15  
 C12479\_MIRELLA-DL



#### CREE

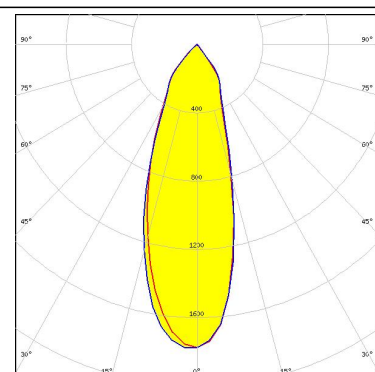
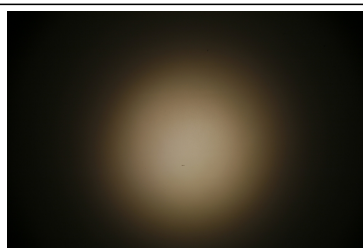
LED CXA/B 13xx  
 FWHM 42.0°  
 Efficiency 81 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13761\_PF-SOCKET-CXA15  
 C13333\_MIRELLA-CL



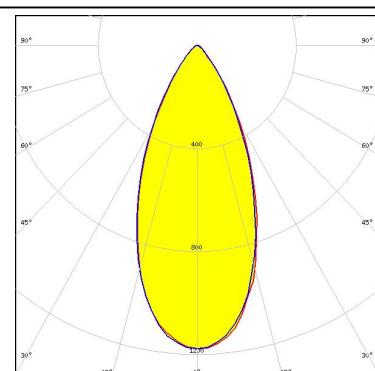
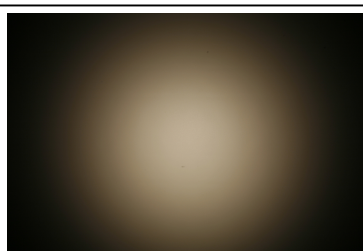
#### PHOTOMETRIC DATA (MEASURED):



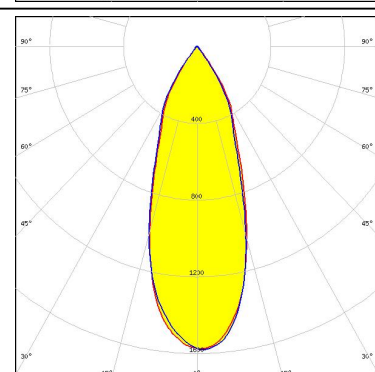
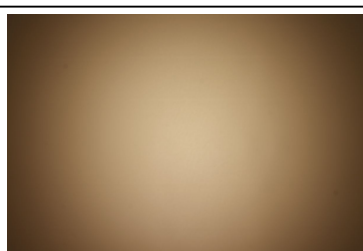
LED CXA/B 13xx  
FWHM 37.0°  
Efficiency 86 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13761\_PF-SOCKET-CXA15



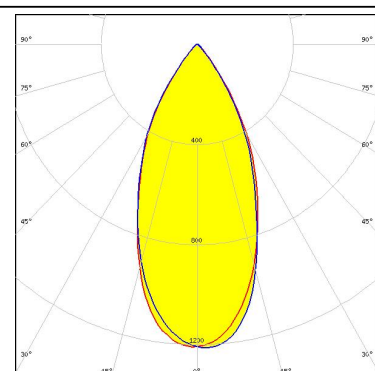
LED CXA/B 15xx  
FWHM 47.0°  
Efficiency 81 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13761\_PF-SOCKET-CXA15  
C13723\_MIRELLA-RZL



LED CXA/B 15xx  
FWHM 37.0°  
Efficiency 79 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C13333\_MIRELLA-CL  
Bender Wirth: 441 Typ L1



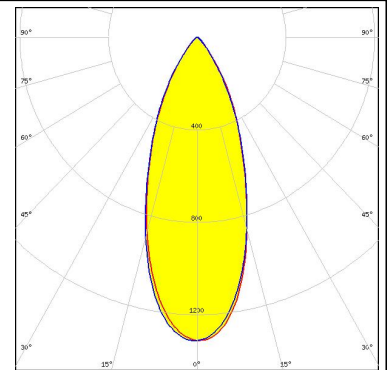
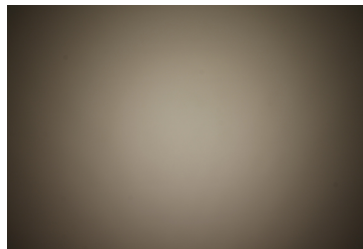
LED CXA/B 15xx  
FWHM 47.0°  
Efficiency 85 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13761\_PF-SOCKET-CXA15  
C12479\_MIRELLA-DL



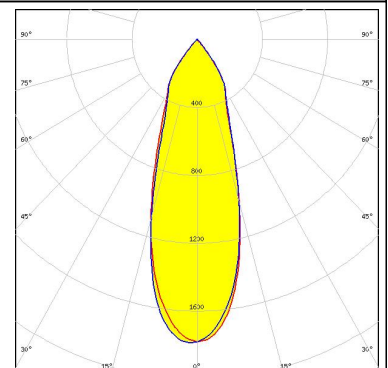
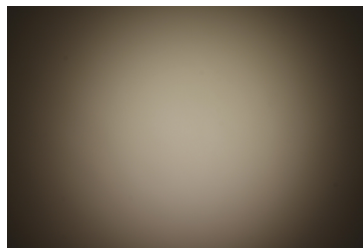
#### PHOTOMETRIC DATA (MEASURED):



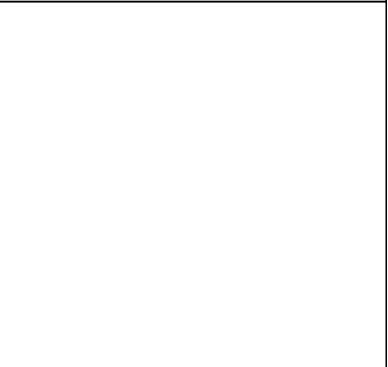
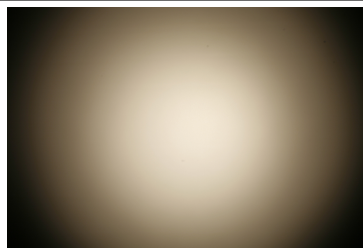
LED CXA/B 15xx  
 FWHM 39.0°  
 Efficiency 75 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C12479\_MIRELLA-DL  
 Bender Wirth: 441 Typ L1



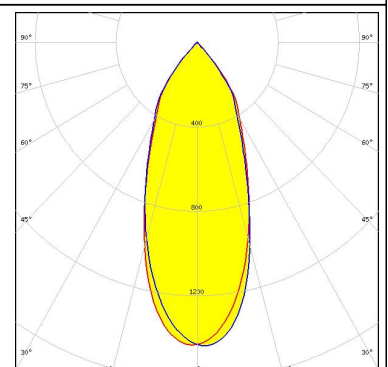
LED CXA/B 15xx  
 FWHM 34.0°  
 Efficiency 82 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 Bender Wirth: 441 Typ L1



LED CXA/B 15xx  
 FWHM 46.0°  
 Efficiency 85 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13761\_PF-SOCKET-CXA15  
 C13333\_MIRELLA-CL



LED CXA/B 15xx  
 FWHM 41.0°  
 Efficiency 90 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13761\_PF-SOCKET-CXA15

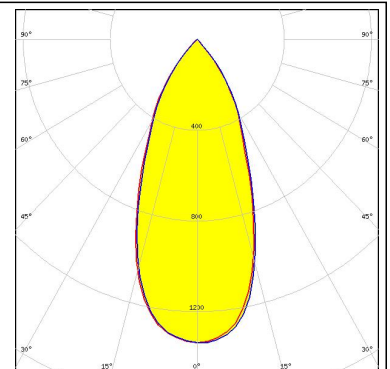
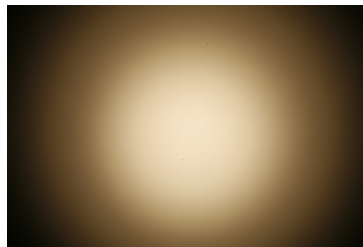




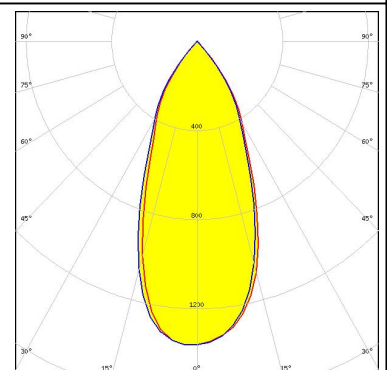
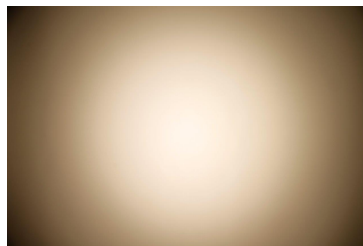
#### PHOTOMETRIC DATA (MEASURED):



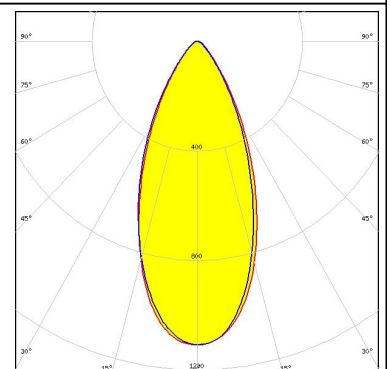
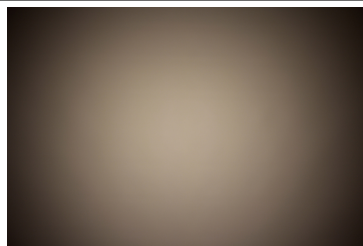
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM 45.0°  
 Efficiency 84 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14115\_PF-SOCKET-CXA15-18



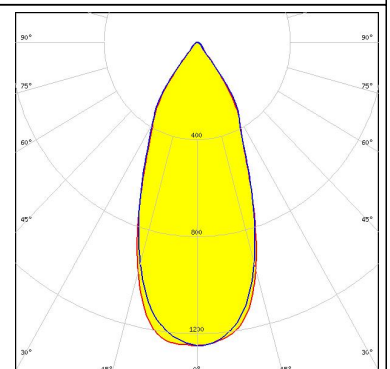
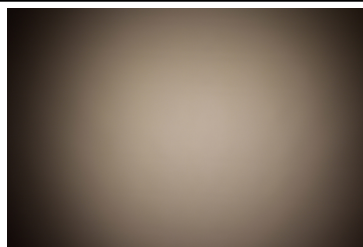
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM 43.0°  
 Efficiency 87 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 IDEAL: 50-2101CR + 50-2100MR



LED MHD-E/G  
 FWHM 45.0°  
 Efficiency 82 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET  
 C13723\_MIRELLA-RZL



LED MHD-E/G  
 FWHM 44.0°  
 Efficiency 84 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET  
 C13333\_MIRELLA-CL

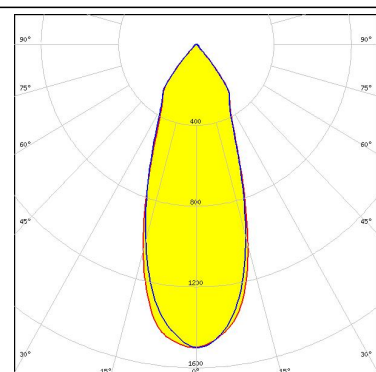
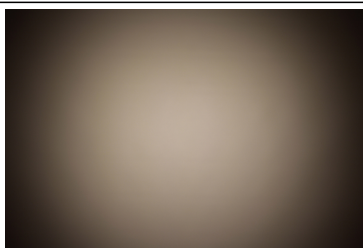




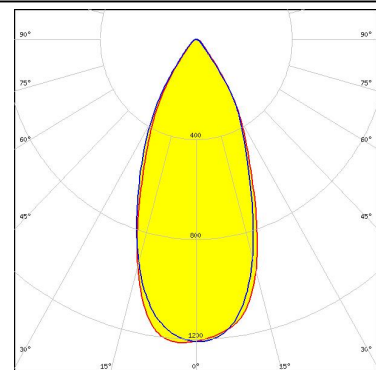
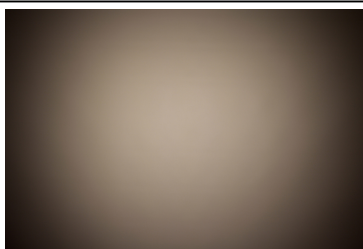
#### PHOTOMETRIC DATA (MEASURED):



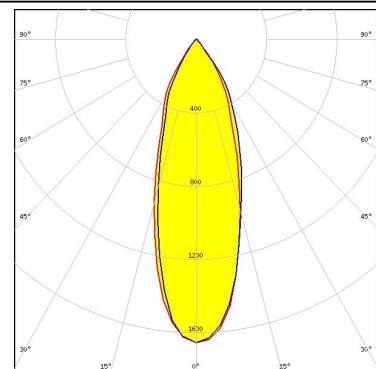
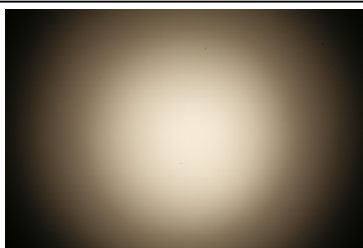
LED MHD-E/G  
FWHM 38.0°  
Efficiency 89 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET



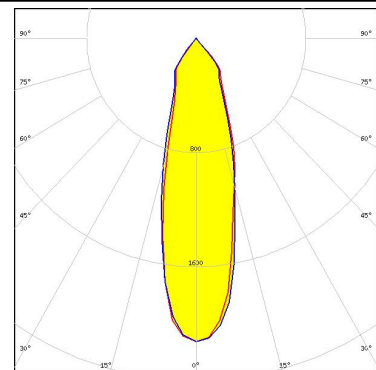
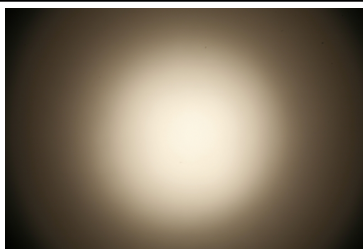
LED MHD-E/G  
FWHM 45.0°  
Efficiency 84 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C12479\_MIRELLA-DL



LED MK-R  
FWHM 34.0°  
Efficiency 80 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C12479\_MIRELLA-DL



LED MK-R  
FWHM 30.0°  
Efficiency 85 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET



### PHOTOMETRIC DATA (MEASURED):

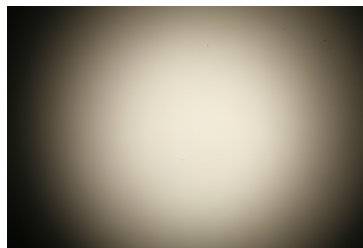
#### CREE

LED MT-G  
FWHM 52.0°  
Efficiency 86 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C13333\_MIRELLA-CL



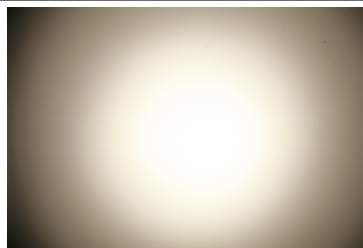
#### CREE

LED MT-G  
FWHM 52.0°  
Efficiency 86 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C12479\_MIRELLA-DL



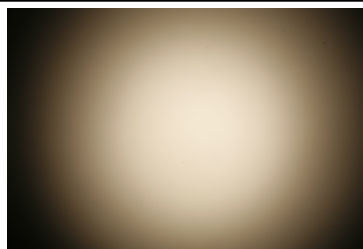
#### CREE

LED MT-G  
FWHM 48.0°  
Efficiency 90 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET



#### CREE

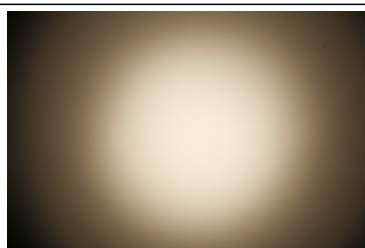
LED MT-G2  
FWHM 51.0°  
Efficiency 87 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C12479\_MIRELLA-DL



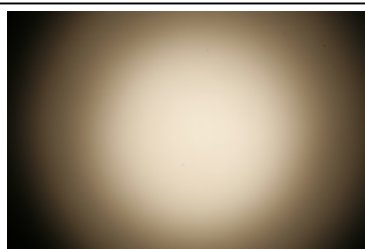
#### PHOTOMETRIC DATA (MEASURED):



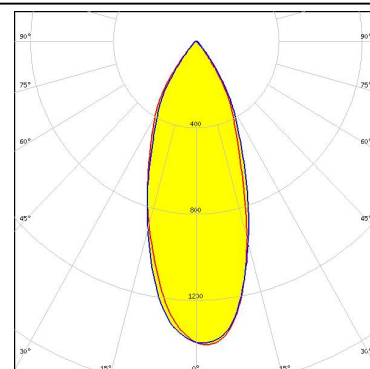
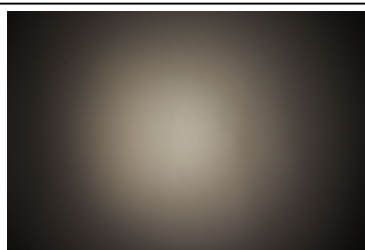
LED MT-G2  
FWHM 46.0°  
Efficiency 91 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET



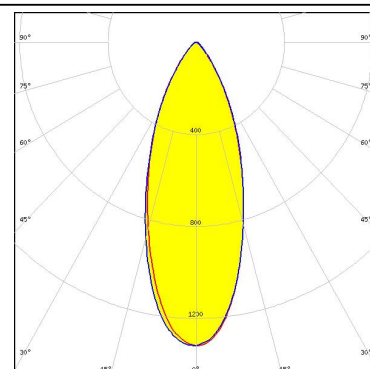
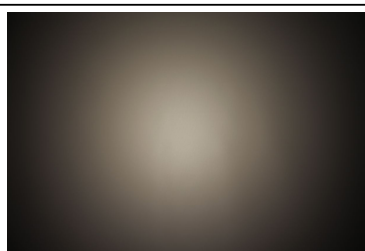
LED MT-G2  
FWHM 50.0°  
Efficiency 87 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C13333\_MIRELLA-CL



LED XHP50  
FWHM 39.0°  
Efficiency 82 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C12479\_MIRELLA-DL



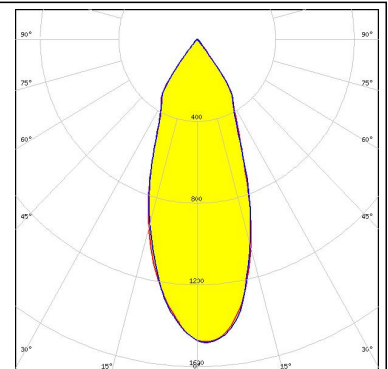
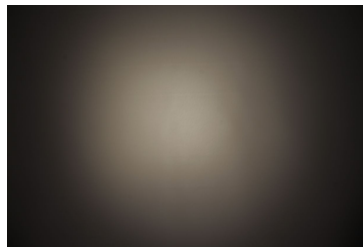
LED XHP50  
FWHM 38.0°  
Efficiency 80 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C13723\_MIRELLA-RZL



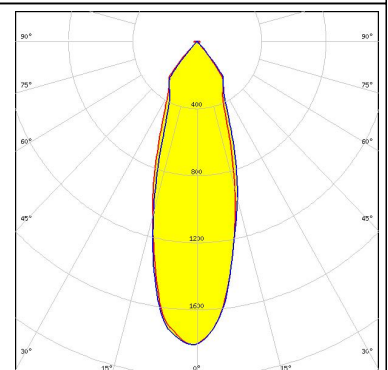
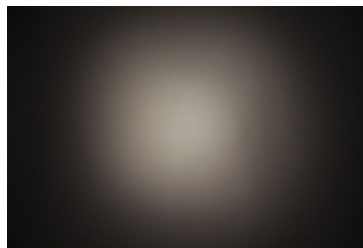
#### PHOTOMETRIC DATA (MEASURED):



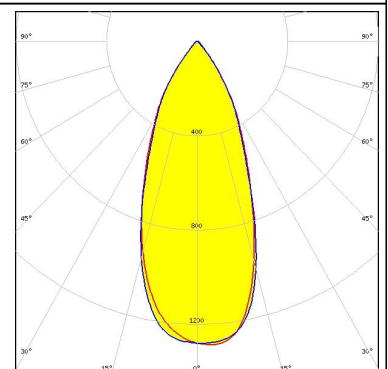
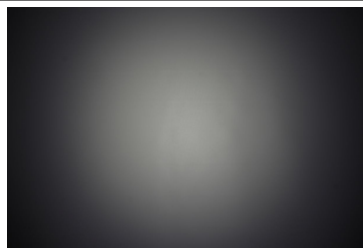
LED XHP50  
FWHM 39.0°  
Efficiency 81 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C13333\_MIRELLA-CL



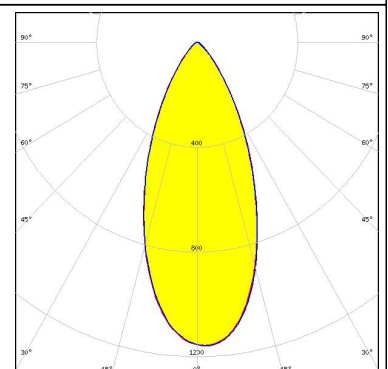
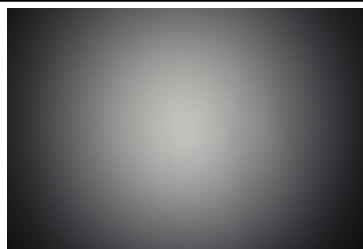
LED XHP50  
FWHM 33.0°  
Efficiency 87 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET



LED XHP70  
FWHM 43.0°  
Efficiency 81 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C12479\_MIRELLA-DL



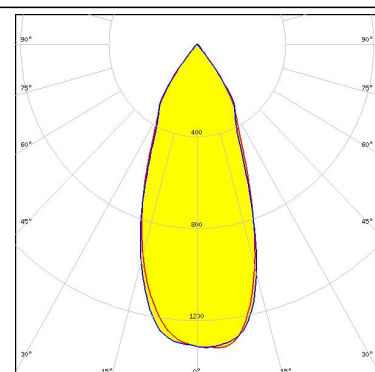
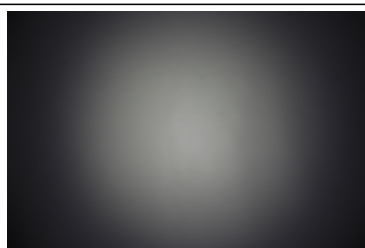
LED XHP70  
FWHM 44.0°  
Efficiency 79 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C13723\_MIRELLA-RZL



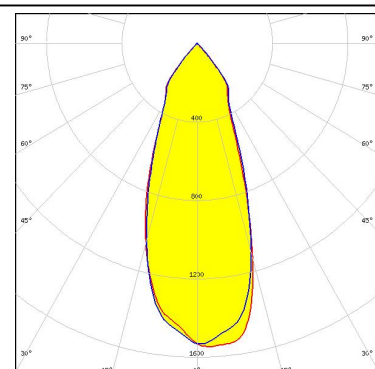
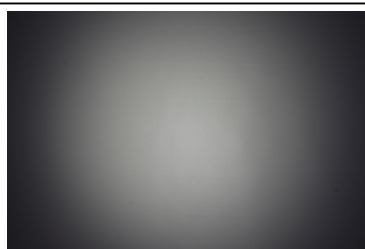
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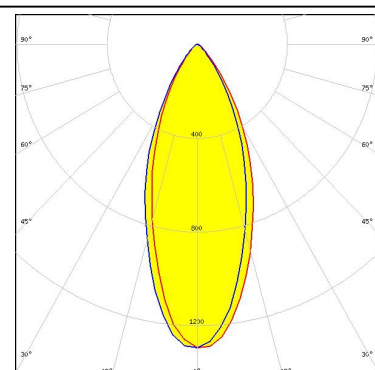
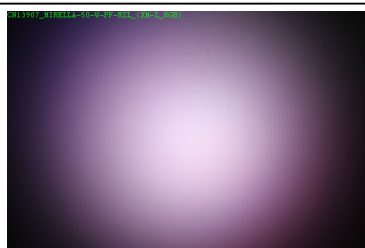
LED XHP70  
FWHM 42.0°  
Efficiency 81 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C13333\_MIRELLA-CL



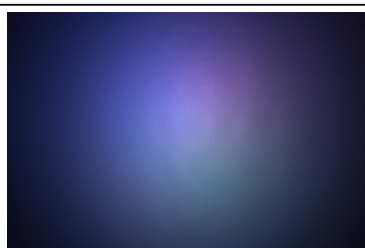
LED XHP70  
FWHM 39.0°  
Efficiency 86 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET



LED XM-L RGB  
FWHM 41.0°  
Efficiency 80 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C13723\_MIRELLA-RZL



LED XQ-E HI  
FWHM 42.0°  
Efficiency 87 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 4  
Light colour RGBW  
Required components:  
C13083\_PF-SOCKET  
C13723\_MIRELLA-RZL





#### PHOTOMETRIC DATA (MEASURED):

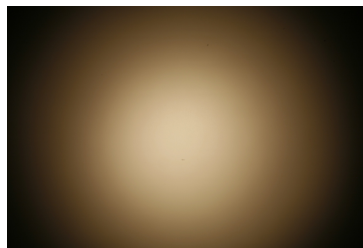
##### LG Innotech

LED COB 4W  
FWHM 38.0°  
Efficiency 89 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET



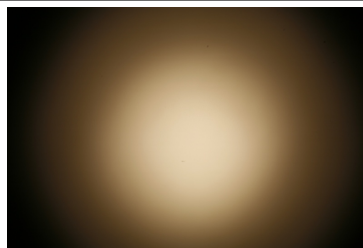
##### LG Innotech

LED COB 4W  
FWHM 44.0°  
Efficiency 83 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C12479\_MIRELLA-DL



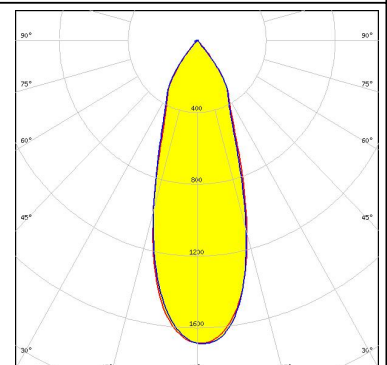
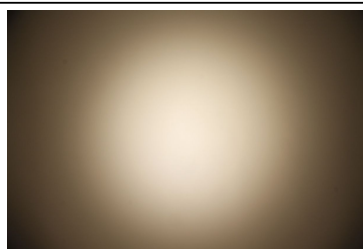
##### LG Innotech

LED COB 4W  
FWHM 40.0°  
Efficiency 83 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C13333\_MIRELLA-CL



##### LUMILEDS

LED LUXEON CoB 1202/1203  
FWHM 35.0°  
Efficiency 83 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 438 Typ L1

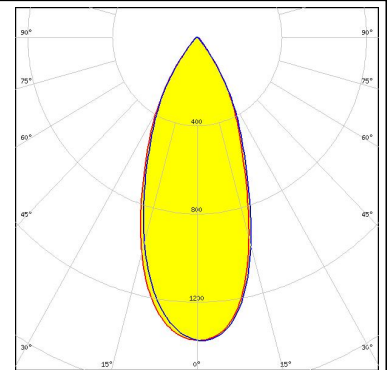
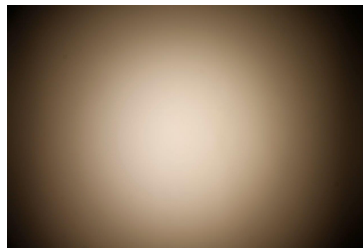




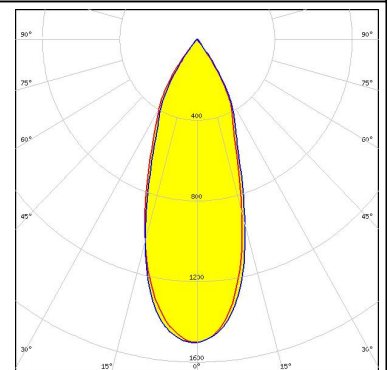
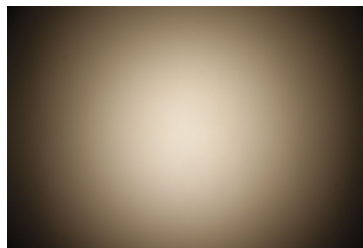
#### PHOTOMETRIC DATA (MEASURED):



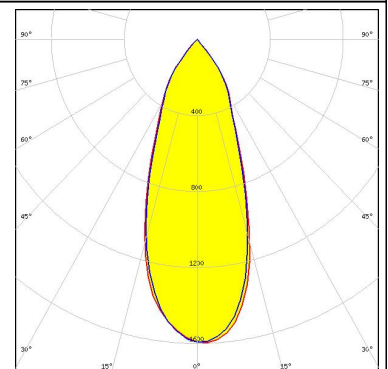
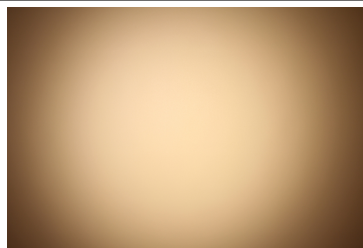
LED LUXEON CoB 1202/1203  
 FWHM 41.0°  
 Efficiency 81 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL  
 IDEAL: 50-2100NC +50-2100MR



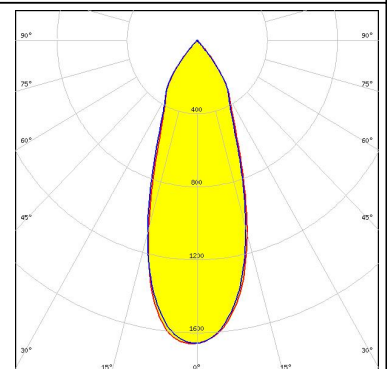
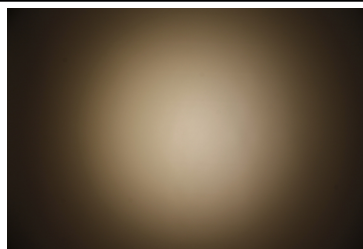
LED LUXEON CoB 1202/1203  
 FWHM 37.0°  
 Efficiency 77 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C13333\_MIRELLA-CL  
 Bender Wirth: 438 Typ L1



LED LUXEON CoB 1202/1203  
 FWHM 39.0°  
 Efficiency 86 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14037\_PF-NSX-SOCKET



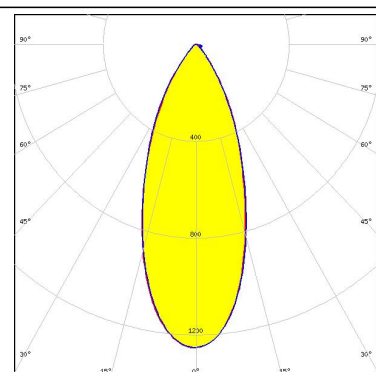
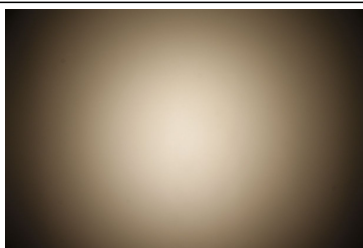
LED LUXEON CoB 1202/1203  
 FWHM 37.0°  
 Efficiency 87 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 IDEAL: 50-2100NC +50-2100MR



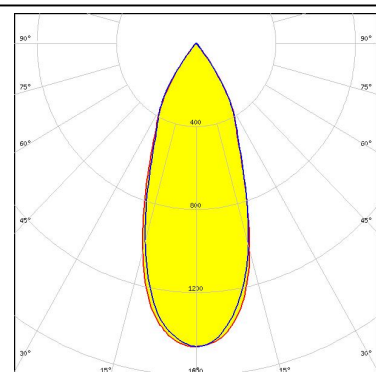
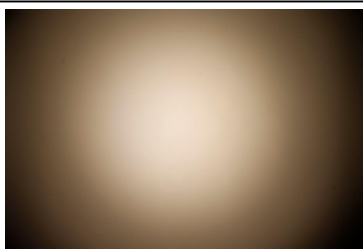
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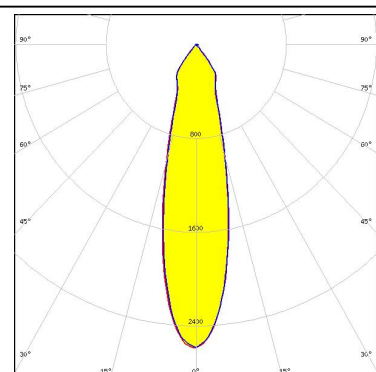
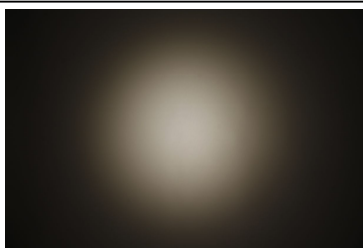
LED LUXEON CoB 1202/1203  
 FWHM 40.0°  
 Efficiency 75 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C12479\_MIRELLA-DL  
 Bender Wirth: 438 Typ L1



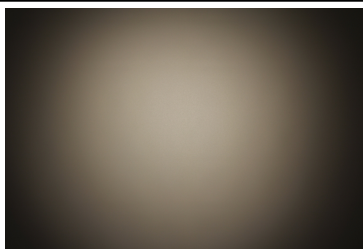
LED LUXEON CoB 1202/1203  
 FWHM 39.0°  
 Efficiency 80 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL  
 IDEAL: 50-2100NC +50-2100MR



LED LUXEON CoB 1202s  
 FWHM 25.0°  
 Efficiency 85 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 Bender Wirth: 452 Typ L1



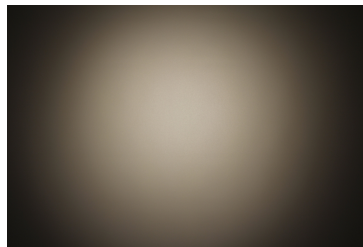
LED LUXEON CoB 1202s  
 FWHM 41.0°  
 Efficiency 82 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13761\_PF-SOCKET-CXA15  
 C13333\_MIRELLA-CL



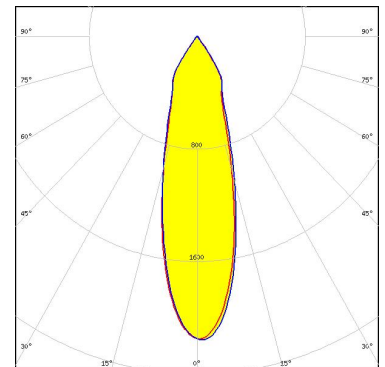
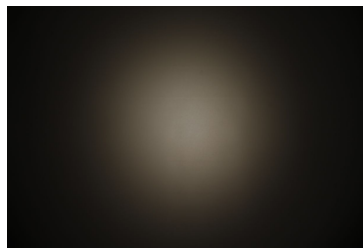
#### PHOTOMETRIC DATA (MEASURED):



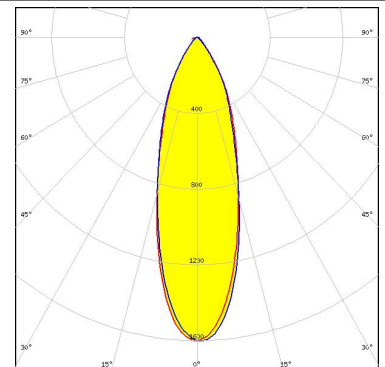
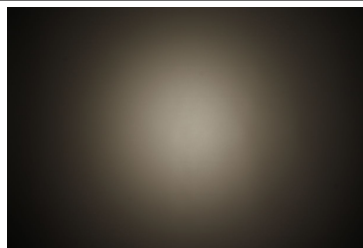
LED LUXEON CoB 1202s  
 FWHM 35.0°  
 Efficiency 88 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13761\_PF-SOCKET-CXA15



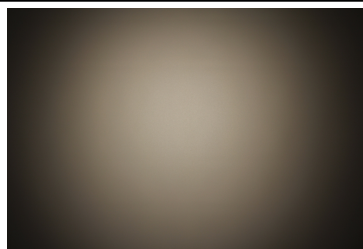
LED LUXEON CoB 1202s  
 FWHM 28.0°  
 Efficiency 81 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C13333\_MIRELLA-CL  
 Bender Wirth: 452 Typ L1



LED LUXEON CoB 1202s  
 FWHM 32.0°  
 Efficiency 77 %  
 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: 452 Typ L1



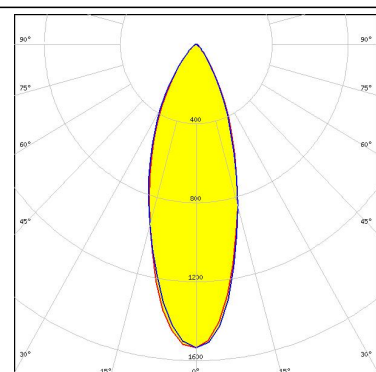
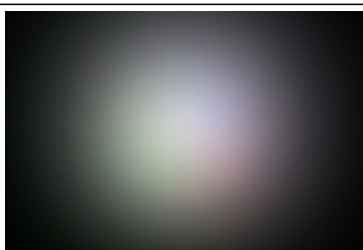
LED LUXEON CoB 1202s  
 FWHM 40.0°  
 Efficiency 82 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13761\_PF-SOCKET-CXA15  
 C12479\_MIRELLA-DL



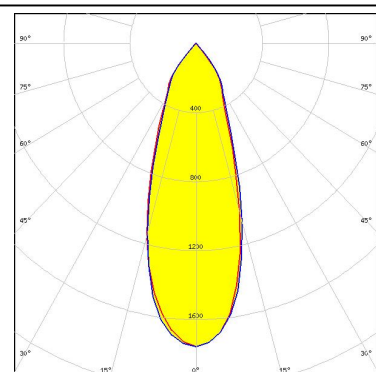
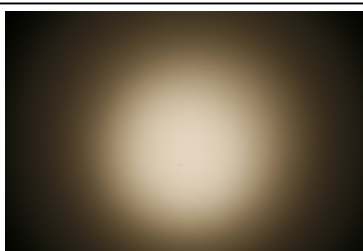
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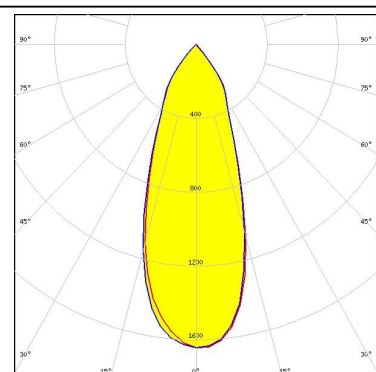
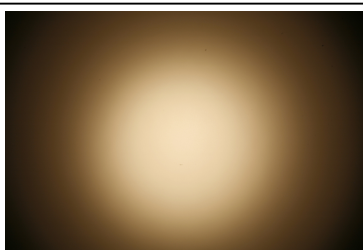
LED LUXEON Z  
FWHM 36.0°  
Efficiency 79 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 4  
Light colour RGBW  
Required components:  
C13083\_PF-SOCKET  
C13723\_MIRELLA-RZL



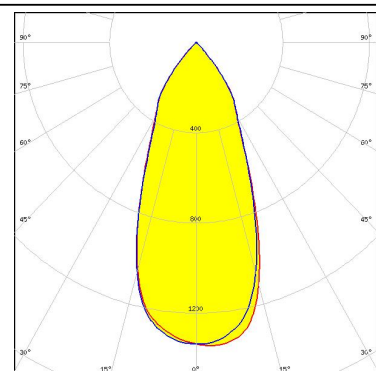
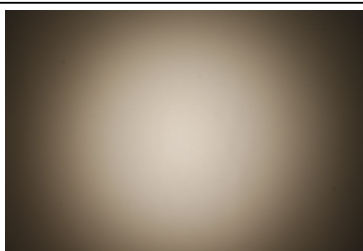
LED CxM-6 (12x13)  
FWHM 36.0°  
Efficiency 85 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET



LED CXM-7 (13x13)  
FWHM 38.0°  
Efficiency 86 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET



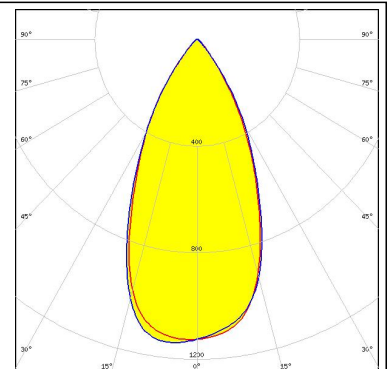
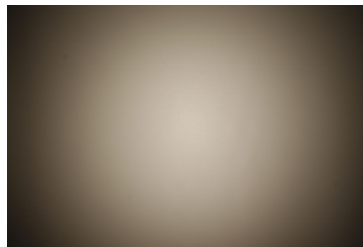
LED CxM-9 (13.5x13.5)  
FWHM 44.0°  
Efficiency 88 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET



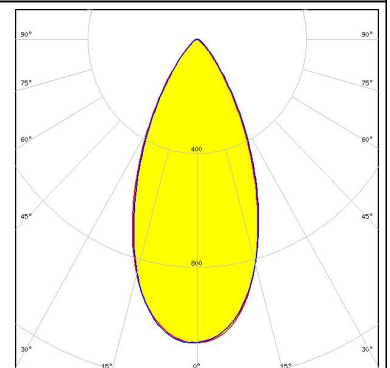
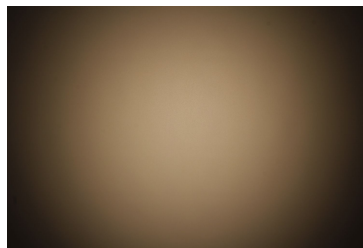
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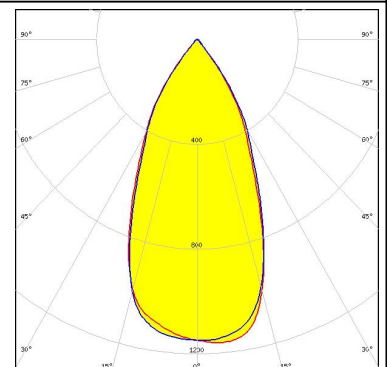
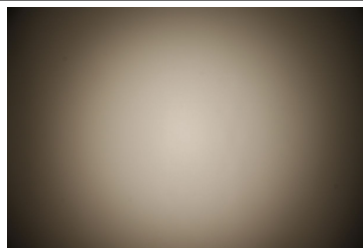
LED CxM-9 (13.5x13.5)  
 FWHM 49.0°  
 Efficiency 83 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET  
 C12479\_MIRELLA-DL



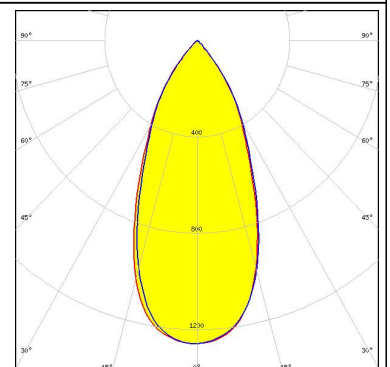
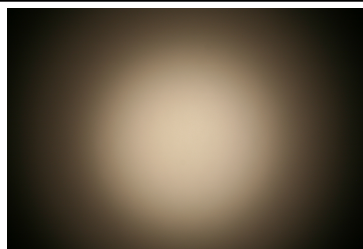
LED CxM-9 (13.5x13.5)  
 FWHM 48.0°  
 Efficiency 80 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET  
 C13723\_MIRELLA-RZL



LED CxM-9 (13.5x13.5)  
 FWHM 48.0°  
 Efficiency 83 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET  
 C13333\_MIRELLA-CL



LED COB L-Type (LES 11)  
 FWHM 46.0°  
 Efficiency 84 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14037\_PF-NSX-SOCKET

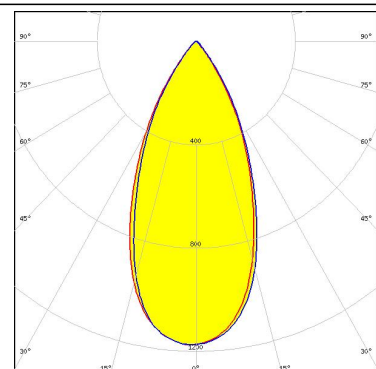
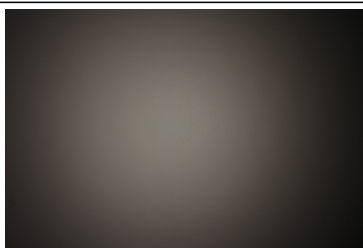




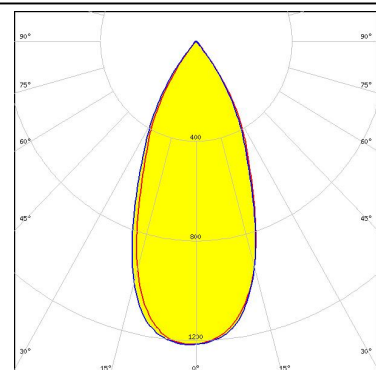
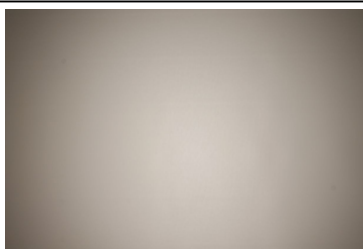
#### PHOTOMETRIC DATA (MEASURED):



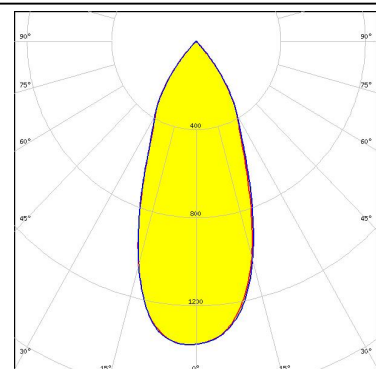
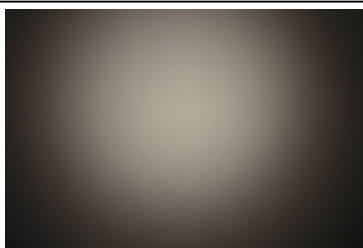
LED COB L-Type (LES 11)  
 FWHM 46.0°  
 Efficiency 80 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL  
 IDEAL: 50-2100NC +50-2100MR



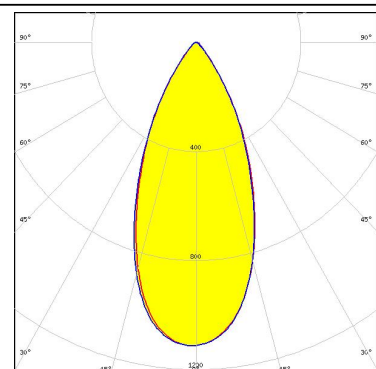
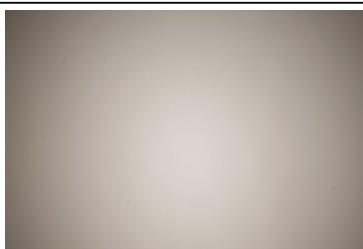
LED COB L-Type (LES 11)  
 FWHM 45.0°  
 Efficiency 77 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C13333\_MIRELLA-CL  
 Bender Wirth: 438 Typ L1



LED COB L-Type (LES 11)  
 FWHM 43.0°  
 Efficiency 86 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 IDEAL: 50-2100NC +50-2100MR



LED COB L-Type (LES 11)  
 FWHM 46.0°  
 Efficiency 75 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C12479\_MIRELLA-DL  
 Bender Wirth: 438 Typ L1

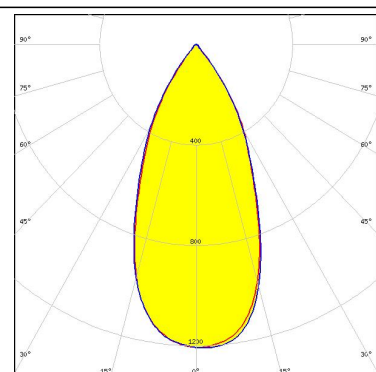
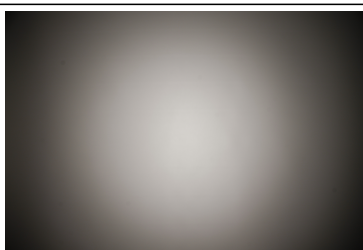




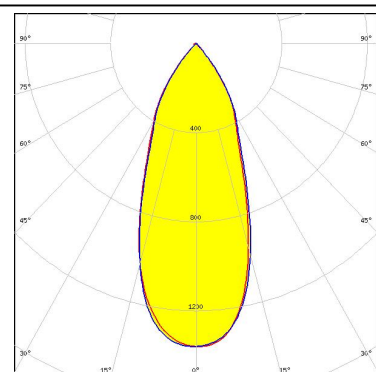
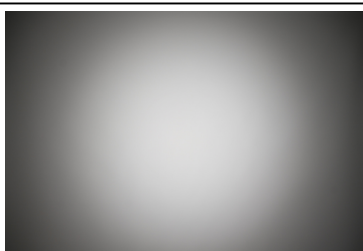
#### PHOTOMETRIC DATA (MEASURED):



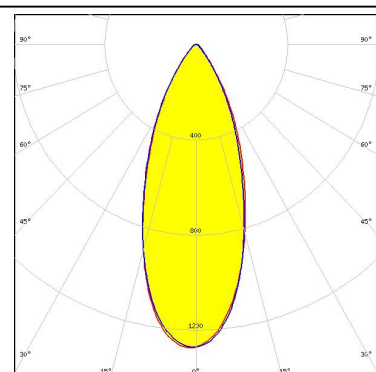
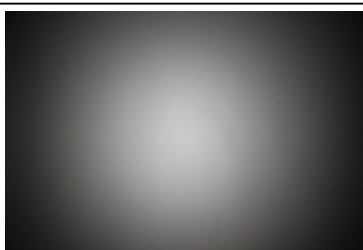
LED COB L-Type (LES 11)  
 FWHM 47.0°  
 Efficiency 81 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL  
 IDEAL: 50-2100NC +50-2100MR



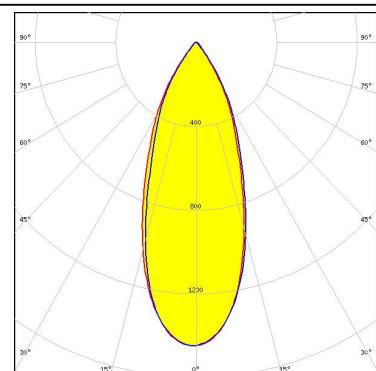
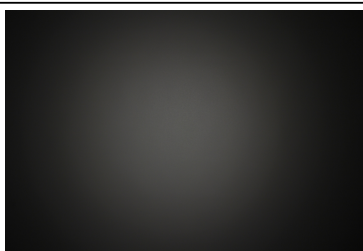
LED COB L-Type (LES 11)  
 FWHM 41.0°  
 Efficiency 81 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 Bender Wirth: 438 Typ L1



LED COB L-Type (LES 9)  
 FWHM 40.0°  
 Efficiency 76 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C12479\_MIRELLA-DL  
 Bender Wirth: 438 Typ L1



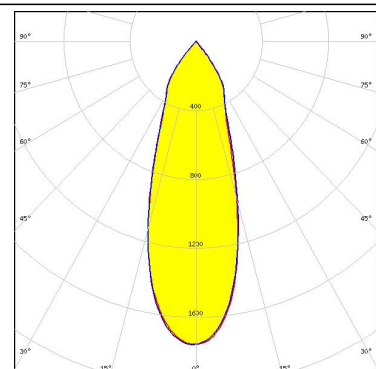
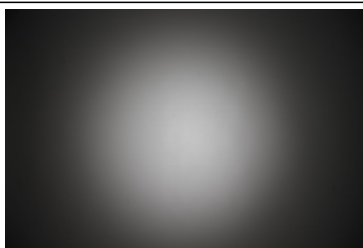
LED COB L-Type (LES 9)  
 FWHM 39.0°  
 Efficiency 80 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL  
 IDEAL: 50-2100NC +50-2100MR



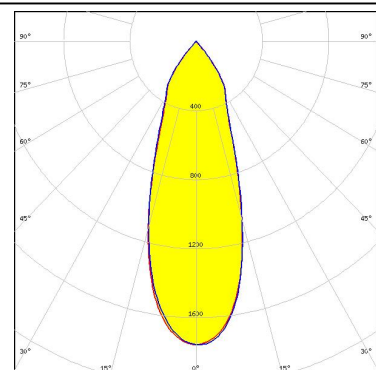
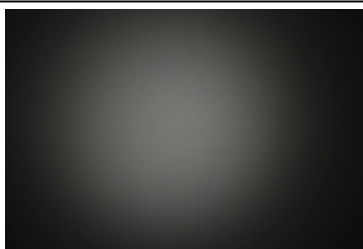
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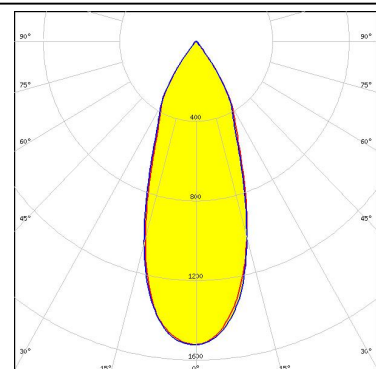
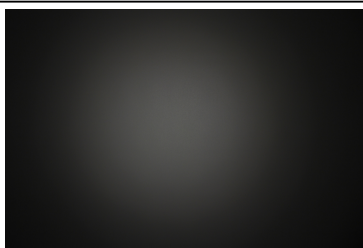
LED COB L-Type (LES 9)  
 FWHM 34.0°  
 Efficiency 84 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 Bender Wirth: 438 Typ L1



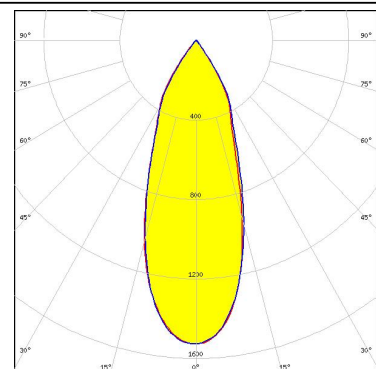
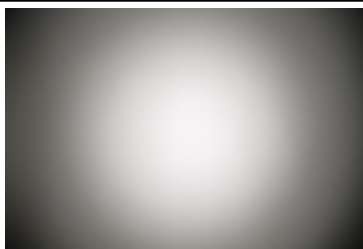
LED COB L-Type (LES 9)  
 FWHM 35.0°  
 Efficiency 87 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 IDEAL: 50-2100NC +50-2100MR



LED COB L-Type (LES 9)  
 FWHM 38.0°  
 Efficiency 81 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL  
 IDEAL: 50-2100NC +50-2100MR



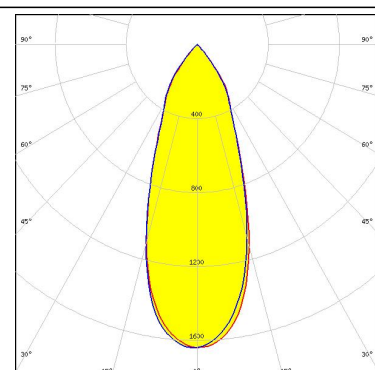
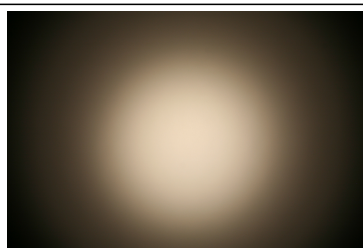
LED COB L-Type (LES 9)  
 FWHM 37.0°  
 Efficiency 79 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C13333\_MIRELLA-CL  
 Bender Wirth: 438 Typ L1



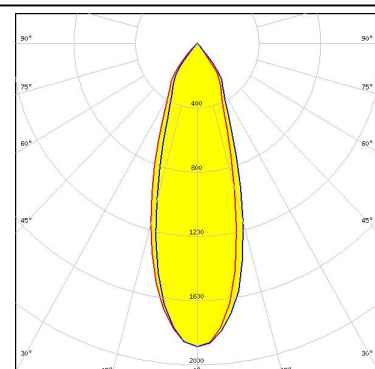
#### PHOTOMETRIC DATA (MEASURED):



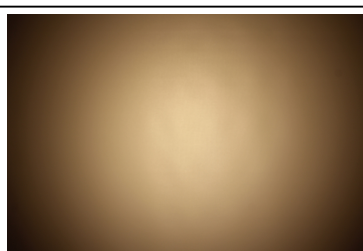
LED COB L-Type (LES 9)  
 FWHM 38.0°  
 Efficiency 86 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14037\_PF-NSX-SOCKET



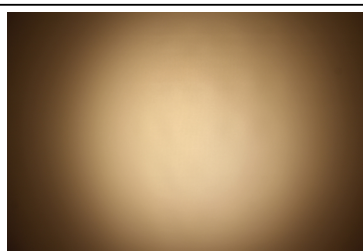
LED NSCxL036A  
 FWHM 34.0°  
 Efficiency 85 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14037\_PF-NSX-SOCKET



LED Duris S10  
 FWHM 45.0°  
 Efficiency 80 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET  
 C13723\_MIRELLA-RZL



LED Duris S10  
 FWHM 43.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET  
 C13333\_MIRELLA-CL

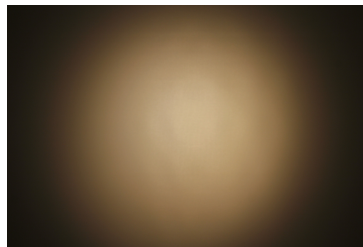


#### PHOTOMETRIC DATA (MEASURED):

##### OSRAM

Opto Semiconductors

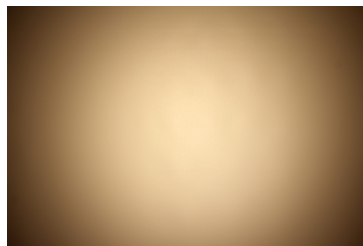
LED Duris S10  
 FWHM 38.0°  
 Efficiency 87 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET



##### OSRAM

Opto Semiconductors

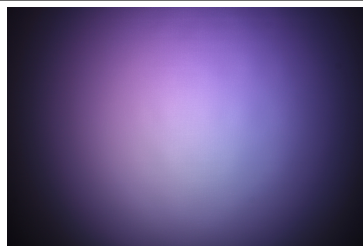
LED Duris S10  
 FWHM 45.0°  
 Efficiency 79 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET  
 C12479\_MIRELLA-DL



##### OSRAM

Opto Semiconductors

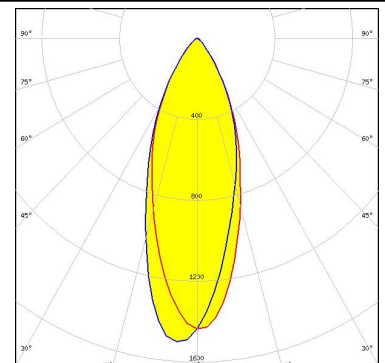
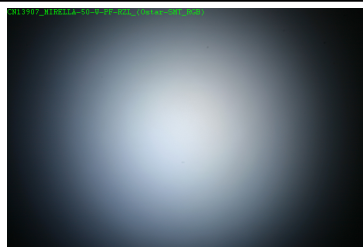
LED OSTAR Stage (S2WP)  
 FWHM 36.0°  
 Efficiency 83 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET  
 C13723\_MIRELLA-RZL



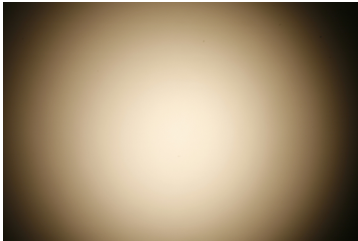
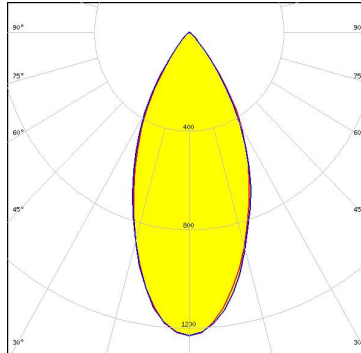
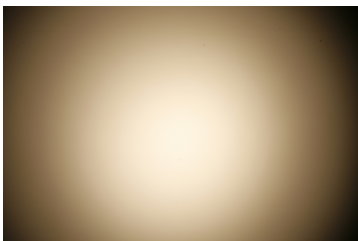
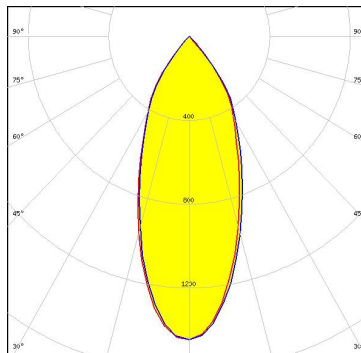
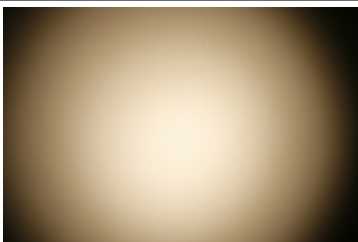
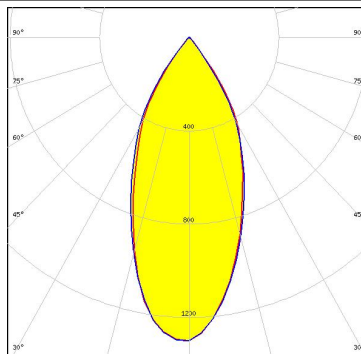
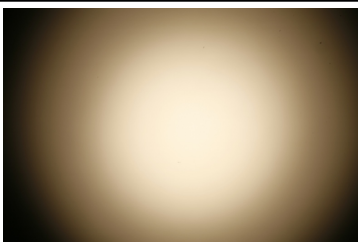
##### OSRAM

Opto Semiconductors

LED Ostar-SMT RGB  
 FWHM 37.0°  
 Efficiency 81 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13083\_PF-SOCKET  
 C13723\_MIRELLA-RZL



#### PHOTOMETRIC DATA (MEASURED):

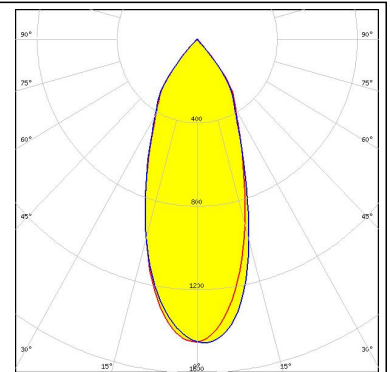
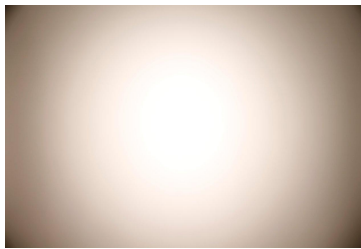
<p><b>SEOUL</b> SEOUL SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM 48.0° Efficiency 81 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C12479_MIRELLA-DL</p>		
<p><b>SEOUL</b> SEOUL SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM 42.0° Efficiency 86 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET</p>		
<p><b>SEOUL</b> SEOUL SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM 46.0° Efficiency 80 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>		
<p><b>SHARP</b></p> <p>LED Mini Zenigata (GW6BM) FWHM 46.0° Efficiency 81 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>		



## PHOTOMETRIC DATA (MEASURED):

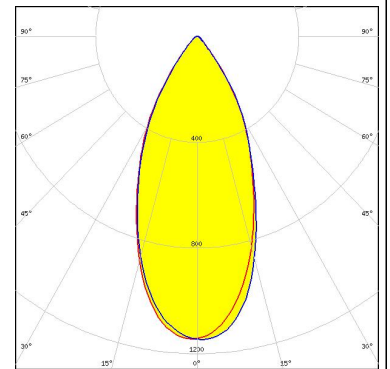
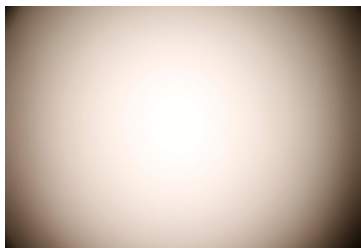
### SHARP

LED Mini Zenigata (GW6BM)  
FWHM 38.0°  
Efficiency 88 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET



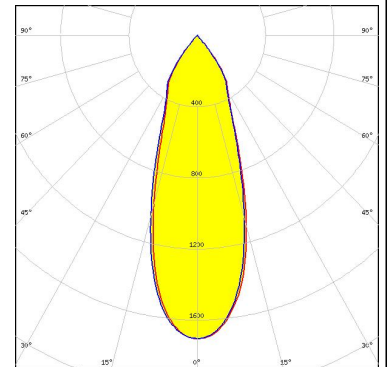
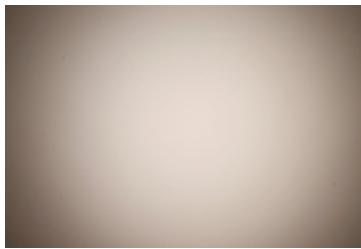
### SHARP

LED Mini Zenigata (GW6BM)  
FWHM 45.0°  
Efficiency 81 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C12479\_MIRELLA-DL



### XICATO

LED XTM - 9mm LES  
FWHM 35.0°  
Efficiency 83 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14636\_XTM-PF-ADAPTER





### PHOTOMETRIC DATA (SIMULATED):

#### LUMILEDS

LED LUXEON CoB Compact  
FWHM 40.0°  
Efficiency 82 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13761\_PF-SOCKET-CXA15  
C12479\_MIRELLA-DL

#### LUMILEDS

LED LUXEON CoB Compact  
FWHM 35.0°  
Efficiency 88 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13761\_PF-SOCKET-CXA15

#### LUMILEDS

LED LUXEON CoB Compact  
FWHM 32.0°  
Efficiency 77 %  
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: 452 Typ L1

#### LUMILEDS

LED LUXEON CoB Compact  
FWHM 25.0°  
Efficiency 85 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 452 Typ L1

#### PHOTOMETRIC DATA (SIMULATED):



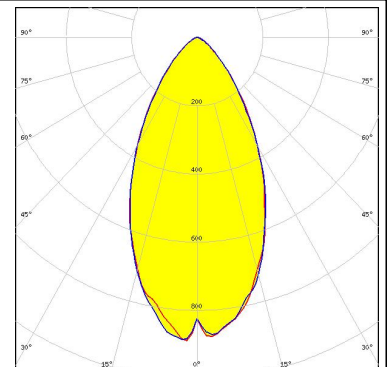
LED LUXEON CoB Compact  
FWHM 37.0°  
Efficiency 77 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C13333\_MIRELLA-CL  
Bender Wirth: 452 Typ L1



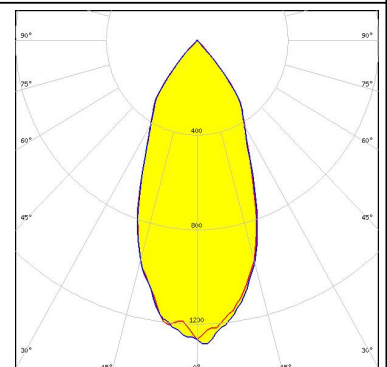
LED LUXEON CoB Compact  
FWHM 41.0°  
Efficiency 82 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13761\_PF-SOCKET-CXA15  
C13333\_MIRELLA-CL



LED LUXEON K4  
FWHM 54.0°  
Efficiency 83 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13761\_PF-SOCKET-CXA15  
C12479\_MIRELLA-DL



LED LUXEON K4  
FWHM 46.0°  
Efficiency 88 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13761\_PF-SOCKET-CXA15



### PHOTOMETRIC DATA (SIMULATED):



LED CxM-14 (19x19)  
FWHM 51.0°  
Efficiency 70 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C12479\_MIRELLA-DL  
Bender Wirth: 433 Typ L1



LED CxM-14 (19x19)  
FWHM 49.0°  
Efficiency 75 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 433 Typ L1



LED CxM-9 (13.5x13.5)  
FWHM 41.0°  
Efficiency 76 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C12479\_MIRELLA-DL  
Bender Wirth: 434 Typ L1



LED CxM-9 (13.5x13.5)  
FWHM 36.0°  
Efficiency 84 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 434 Typ L1

### PHOTOMETRIC DATA (SIMULATED):



LED CxM-9 (13.5x13.5)  
FWHM 39.0°  
Efficiency 78 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C13333\_MIRELLA-CL  
Bender Wirth: 434 Typ L1



LED COB S-Type (LES 7)  
FWHM 32.0°  
Efficiency 77 %  
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: 452 Typ L1



LED COB S-Type (LES 7)  
FWHM 25.0°  
Efficiency 85 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 452 Typ L1



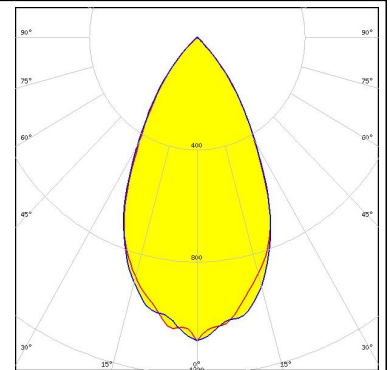
LED COB S-Type (LES 7)  
FWHM 28.0°  
Efficiency 81 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C13333\_MIRELLA-CL  
Bender Wirth: 452 Typ L1

#### PHOTOMETRIC DATA (SIMULATED):

##### OSRAM

Opto Semiconductors

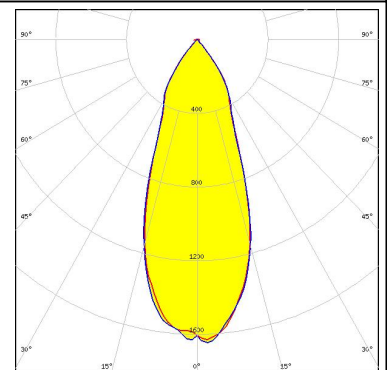
LED Soleriq S15  
FWHM 56.0°  
Efficiency 86 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 433 Typ L1



##### OSRAM

Opto Semiconductors

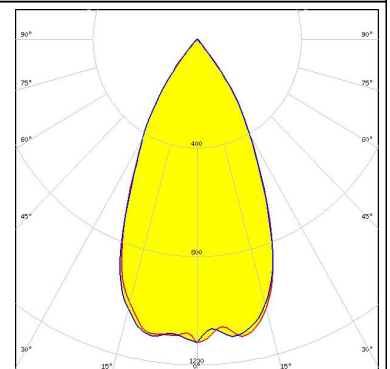
LED Soleriq S9  
FWHM 38.0°  
Efficiency 88 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18



##### OSRAM

Opto Semiconductors

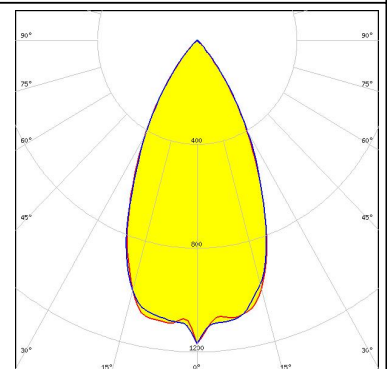
LED Soleriq S9  
FWHM 52.0°  
Efficiency 85 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C13333\_MIRELLA-CL



##### OSRAM

Opto Semiconductors

LED Soleriq S9  
FWHM 51.0°  
Efficiency 85 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C12479\_MIRELLA-DL



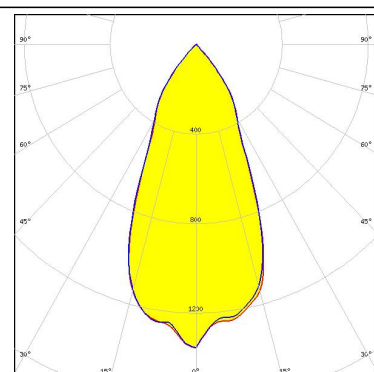


#### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

Opto Semiconductors

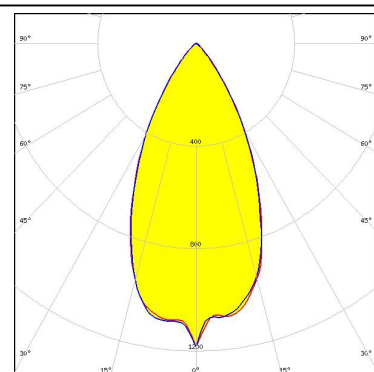
LED Soleriq S9  
FWHM 46.0°  
Efficiency 91 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET



#### OSRAM

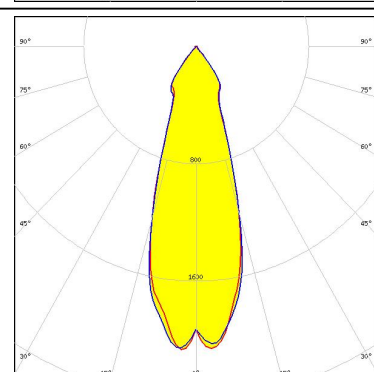
Opto Semiconductors

LED Soleriq S9  
FWHM 50.0°  
Efficiency 85 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13083\_PF-SOCKET  
C13723\_MIRELLA-RZL



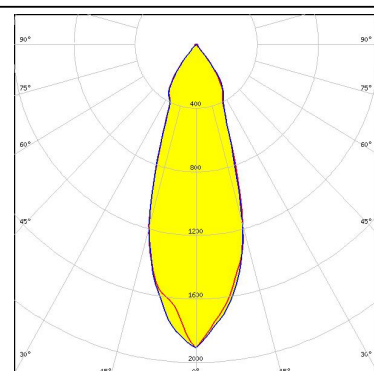
#### SAMSUNG

LED LC010C  
FWHM 32.0°  
Efficiency 87 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 479 Typ L1



#### SAMSUNG

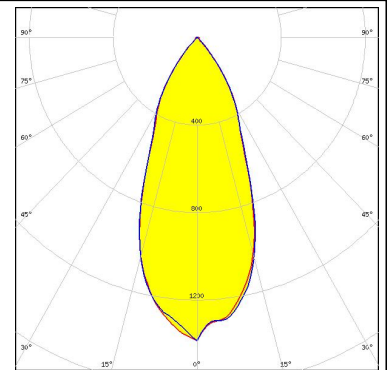
LED LC020C  
FWHM 35.0°  
Efficiency 86 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 479 Typ L1



#### PHOTOMETRIC DATA (SIMULATED):

#### SAMSUNG

LED LC040C  
 FWHM 42.0°  
 Efficiency 84 %  
 Peak intensity 1.4 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 36.0°  
 Efficiency 84 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 Bender Wirth: 434 Typ L1



SEOUL SEMICONDUCTOR

LED ZC4/6  
 FWHM 39.0°  
 Efficiency 78 %  
 Peak intensity 1.5 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 41.0°  
 Efficiency 76 %  
 Peak intensity 1.3 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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