



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## MIRELLA-XW-PF

~80° wide beam

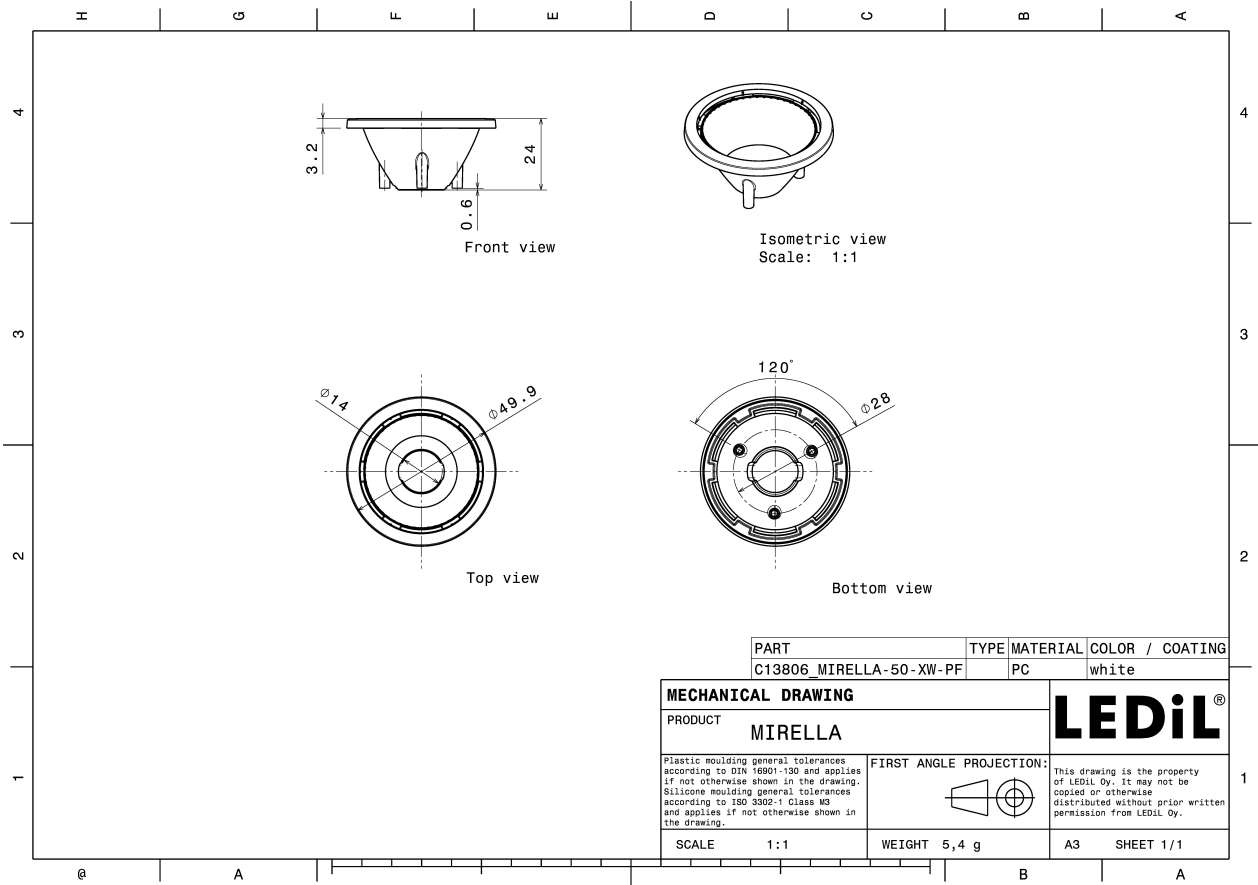
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50 mm
Height	23.9 mm
Fastening	socket
Colour	white
Box size	480 x 280 x 300 mm
Box weight	3.3 kg
Quantity in Box	336 pcs
ROHS compliant	yes ⓘ

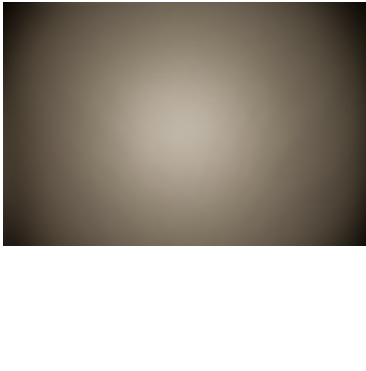
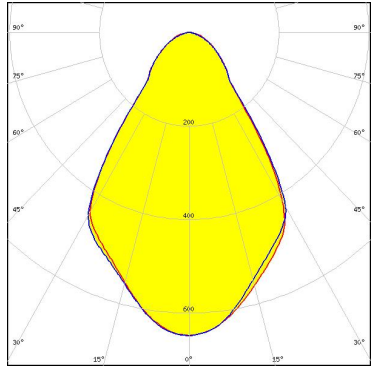
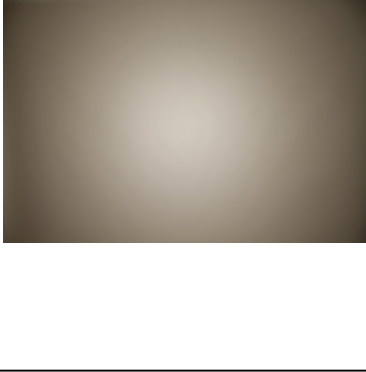
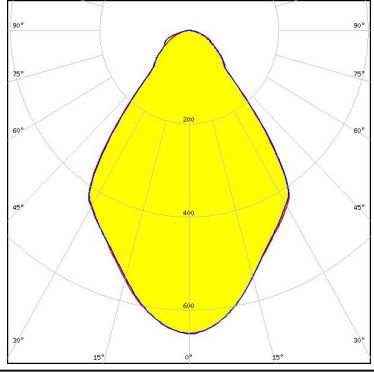
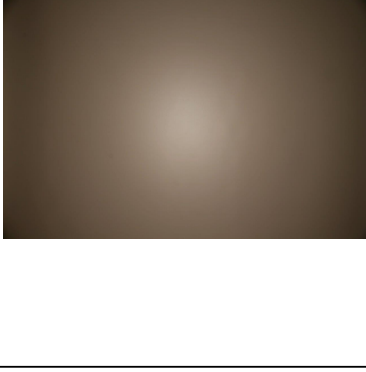
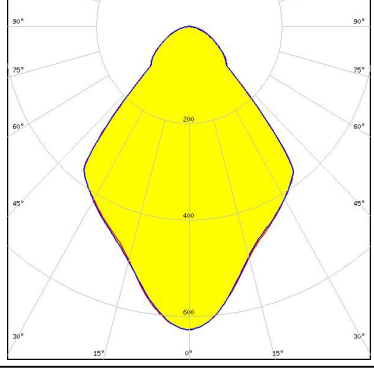
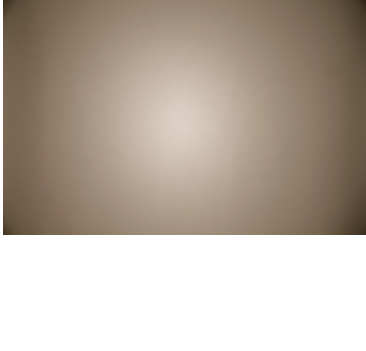
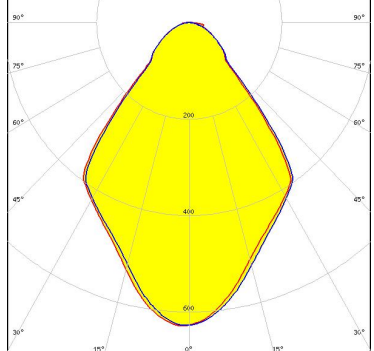


### MATERIAL SPECIFICATIONS:

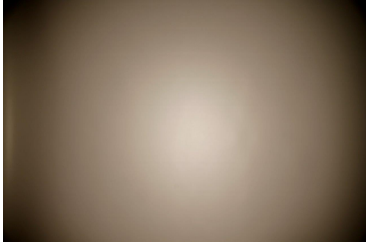
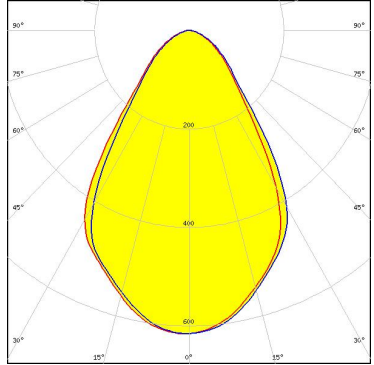
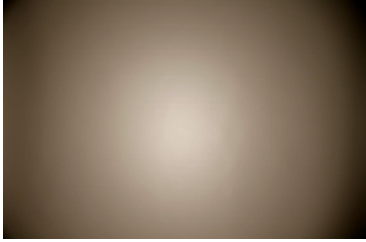
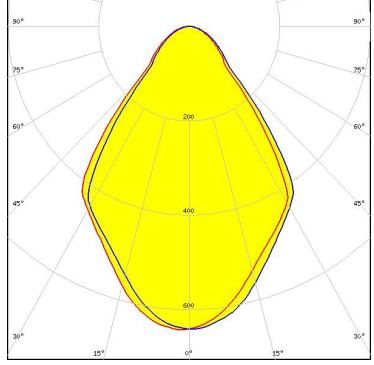
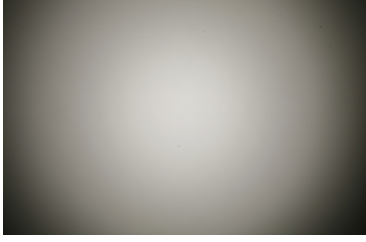
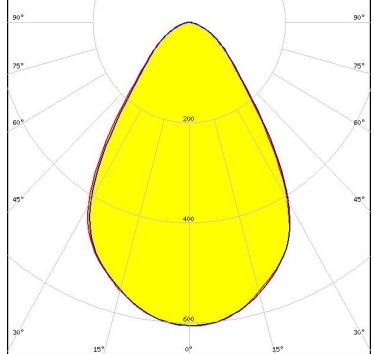
Component	Type	Material	Colour	Coating
MIRELLA-XW-PF	Reflector	HRPC	white	



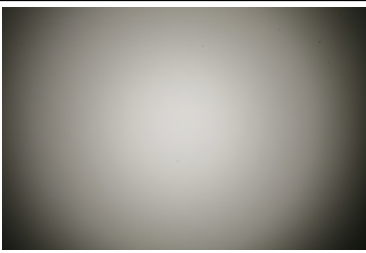
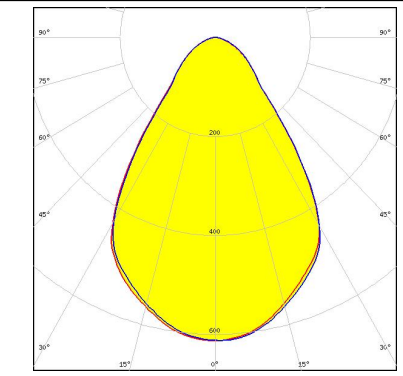

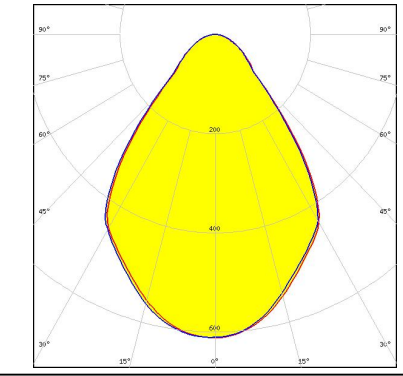
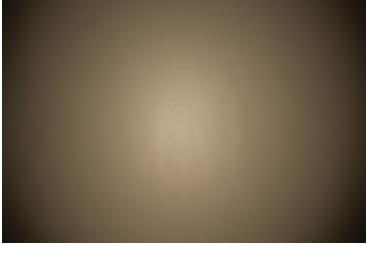
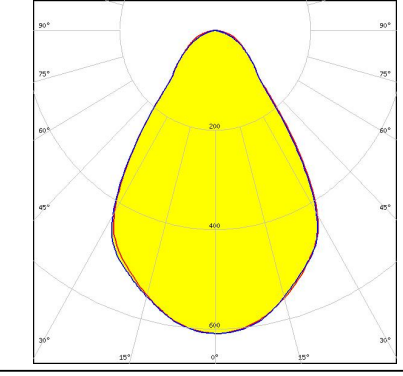
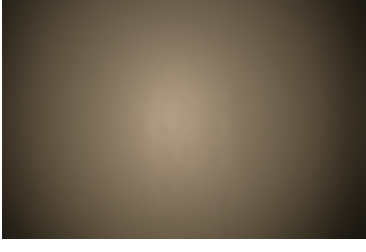
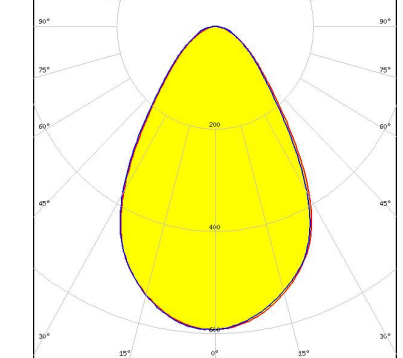
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V10 Gen7</p> <p>FWHM 68.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.650 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C13333_MIRELLA-CL</p> <p>Bender Wirth: 434 Typ L1</p>		
<p>bridgelux.</p> <p>LED V10 Gen7</p> <p>FWHM 73.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.650 cd/lm</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 79.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.630 cd/lm</p> <p>Required components:</p> <p>C13761_PF-SOCKET-CXA15</p>		
<p>bridgelux.</p> <p>LED V8 Gen6</p> <p>FWHM 77.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.630 cd/lm</p> <p>Required components:</p> <p>C13761_PF-SOCKET-CXA15</p>		


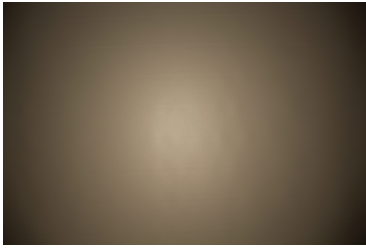
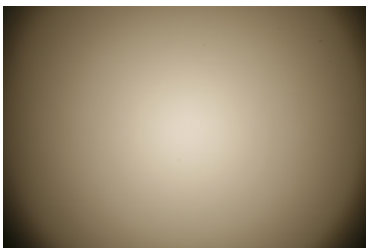
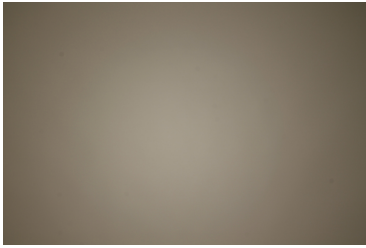
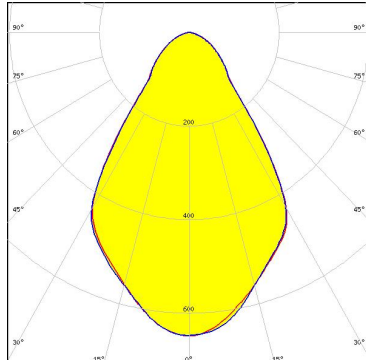
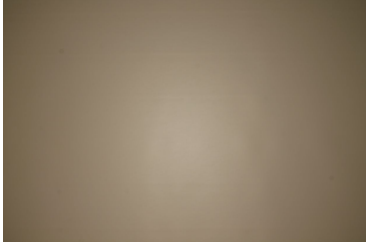
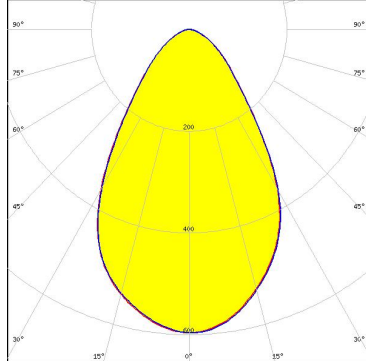
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 69.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.600 cd/lm</p> <p>Required components:</p> <p>C13708_PF-SOCKET-VERO10</p> <p>C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 69.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.600 cd/lm</p> <p>Required components:</p> <p>C13708_PF-SOCKET-VERO10</p> <p>C12479_MIRELLA-DL</p>		
<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 74.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.600 cd/lm</p> <p>Required components:</p> <p>C13708_PF-SOCKET-VERO10</p>		
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 70.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.600 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C12479_MIRELLA-DL</p>		

#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO13            FWHM 71.0°            Efficiency 87 %            Peak intensity 0.600 cd/lm            Required components:            C13709_PF-SOCKET-VERO13-18            C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED VERO13            FWHM 75.0°            Efficiency 92 %            Peak intensity 0.610 cd/lm            Required components:            C13709_PF-SOCKET-VERO13-18</p>		
<p>bridgelux.</p> <p>LED Xenio Point 13mm            FWHM 71.0°            Efficiency 89 %            Peak intensity 0.610 cd/lm            Required components:            C13709_PF-SOCKET-VERO13-18            C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED Xenio Point 13mm            FWHM 68.0°            Efficiency 86 %            Peak intensity 0.590 cd/lm            Required components:            C13709_PF-SOCKET-VERO13-18            C12479_MIRELLA-DL</p>		

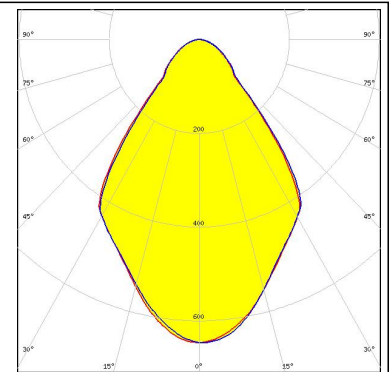
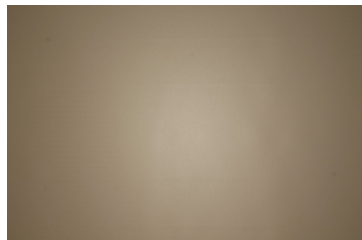
#### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED Xenio Point 13mm FWHM 75.0° Efficiency 93 % Peak intensity 0.610 cd/lm Required components: C13709_PF-SOCKET-VERO13-18</p>		
<p><b>CITIZEN</b></p> <p>LED CLL01x FWHM 78.0° Efficiency 91 % Peak intensity 0.700 cd/lm Required components: C13083_PF-SOCKET</p>		
<p><b>CITIZEN</b></p> <p>LED CLL02x/CLU02x (LES10) FWHM 68.0° Efficiency 85 % Peak intensity 0.650 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 C13333_MIRELLA-CL Bender Wirth: 434 Typ L1</p>		
<p><b>CITIZEN</b></p> <p>LED CLL02x/CLU02x (LES10) FWHM 67.0° Efficiency 80 % Peak intensity 0.600 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 C12479_MIRELLA-DL Bender Wirth: 434 Typ L1</p>		

#### PHOTOMETRIC DATA (MEASURED):

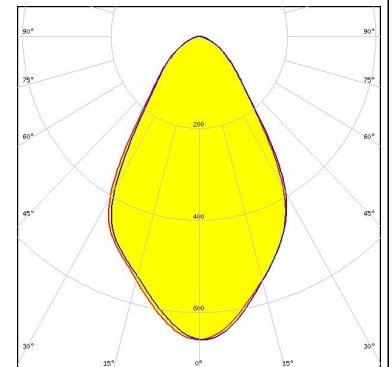
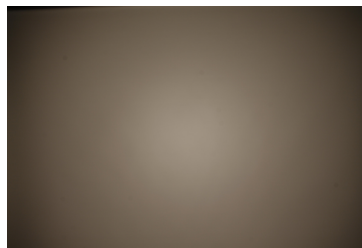
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM 73.0°  
Efficiency 89 %  
Peak intensity 0.650 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 434 Typ L1



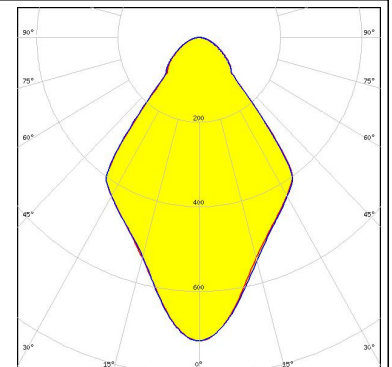
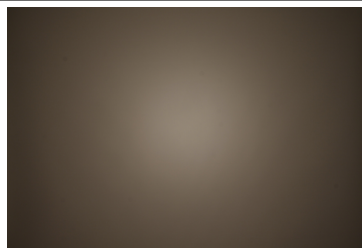
#### CITIZEN

LED CLU700/701  
FWHM 65.0°  
Efficiency 83 %  
Peak intensity 0.660 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C12479\_MIRELLA-DL  
Bender Wirth: 434 Typ L1



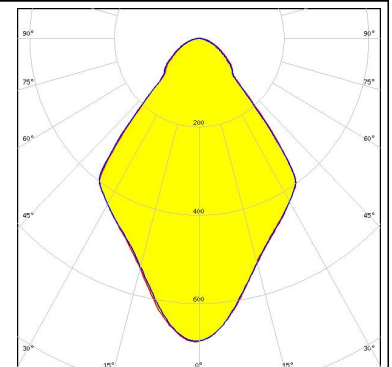
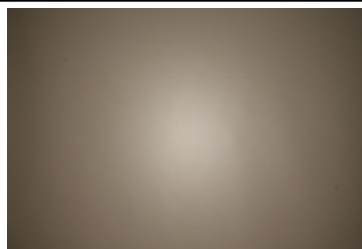
#### CITIZEN

LED CLU700/701  
FWHM 73.0°  
Efficiency 89 %  
Peak intensity 0.720 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 434 Typ L1



#### CITIZEN

LED CLU700/701  
FWHM 76.0°  
Efficiency 92 %  
Peak intensity 0.700 cd/lm  
Required components:  
C13083\_PF-SOCKET





#### PHOTOMETRIC DATA (MEASURED):

#### CITIZEN

LED CLU700/701

FWHM 68.0°

Efficiency 86 %

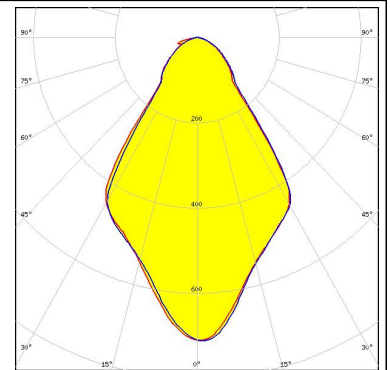
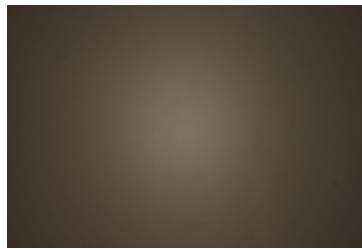
Peak intensity 0.710 cd/lm

Required components:

C13709\_PF-SOCKET-VERO13-18

C13333\_MIRELLA-CL

Bender Wirth: 434 Typ L1



#### CITIZEN

LED CLU720/721

FWHM 68.0°

Efficiency 83 %

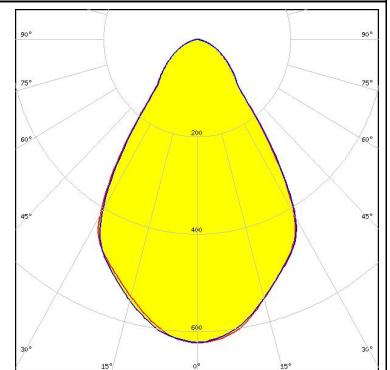
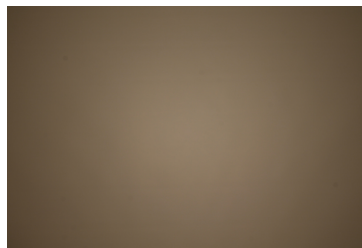
Peak intensity 0.620 cd/lm

Required components:

C13709\_PF-SOCKET-VERO13-18

C13333\_MIRELLA-CL

Bender Wirth: 433 Typ L1



#### CITIZEN

LED CLU720/721

FWHM 66.0°

Efficiency 79 %

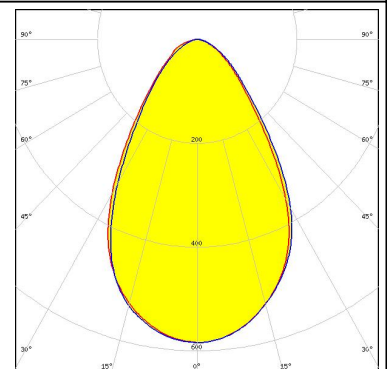
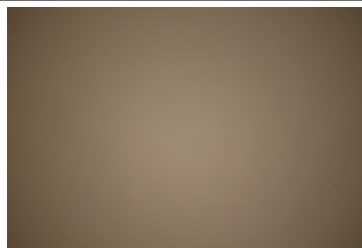
Peak intensity 0.580 cd/lm

Required components:

C13709\_PF-SOCKET-VERO13-18

C12479\_MIRELLA-DL

Bender Wirth: 433 Typ L1



#### CITIZEN

LED CLU720/721

FWHM 73.0°

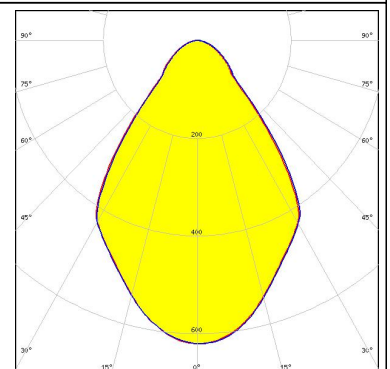
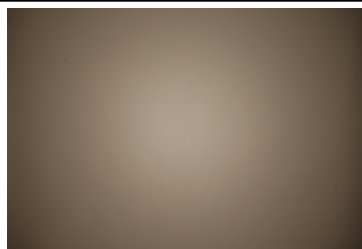
Efficiency 87 %

Peak intensity 0.620 cd/lm

Required components:

C13709\_PF-SOCKET-VERO13-18

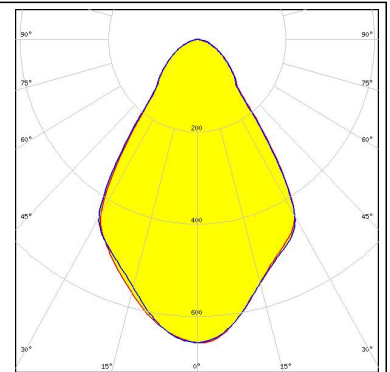
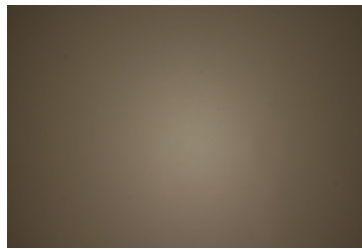
Bender Wirth: 433 Typ L1



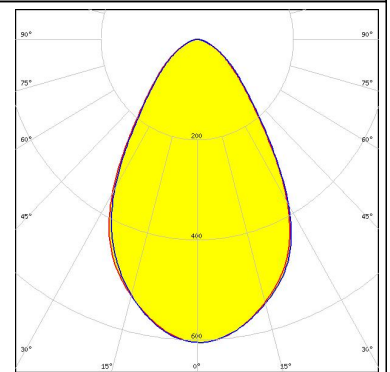
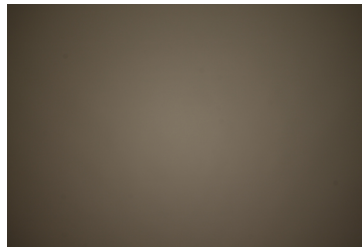
#### PHOTOMETRIC DATA (MEASURED):



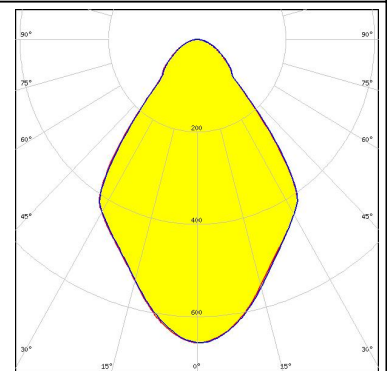
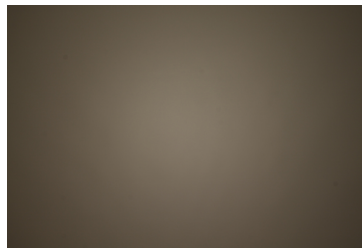
LED CXA/B 15xx  
 FWHM 68.0°  
 Efficiency 86 %  
 Peak intensity 0.660 cd/lm  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C13333\_MIRELLA-CL  
 Bender Wirth: 441 Typ L1



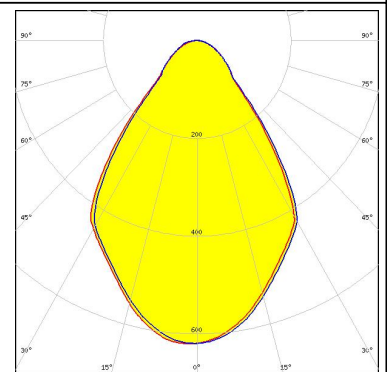
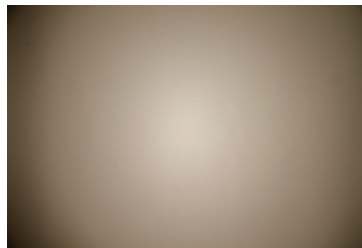
LED CXA/B 15xx  
 FWHM 66.0°  
 Efficiency 81 %  
 Peak intensity 0.610 cd/lm  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C12479\_MIRELLA-DL  
 Bender Wirth: 441 Typ L1



LED CXA/B 15xx  
 FWHM 73.0°  
 Efficiency 89 %  
 Peak intensity 0.660 cd/lm  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 Bender Wirth: 441 Typ L1



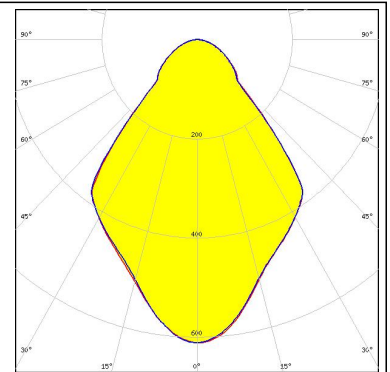
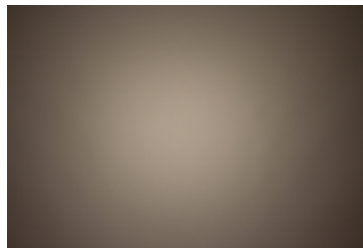
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM 73.0°  
 Efficiency 89 %  
 Peak intensity 0.620 cd/lm  
 Required components:  
 IDEAL: 50-2101CR + 50-2100MR



#### PHOTOMETRIC DATA (MEASURED):

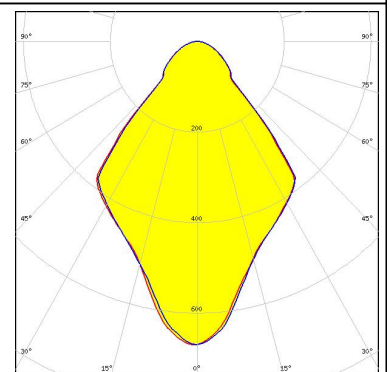
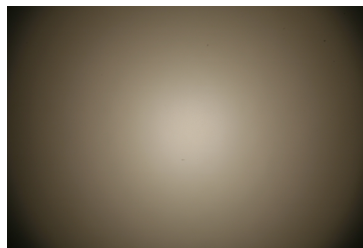
**CREE** ⇄

LED MHD-E/G  
 FWHM 78.0°  
 Efficiency 93 %  
 Peak intensity 0.610 cd/lm  
 Required components:  
 C13083\_PF-SOCKET



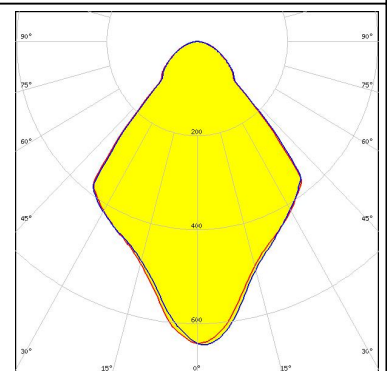
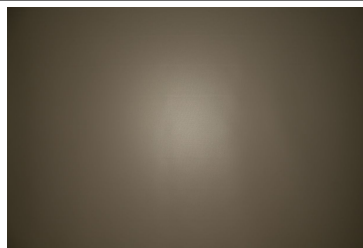
**CREE** ⇄

LED MK-R  
 FWHM 77.0°  
 Efficiency 90 %  
 Peak intensity 0.660 cd/lm  
 Required components:  
 C13083\_PF-SOCKET



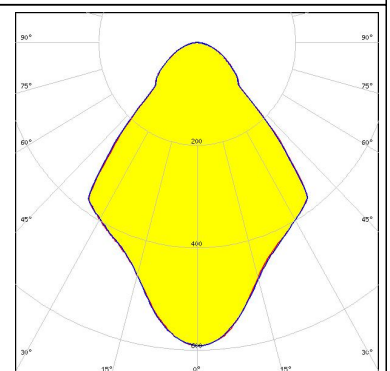
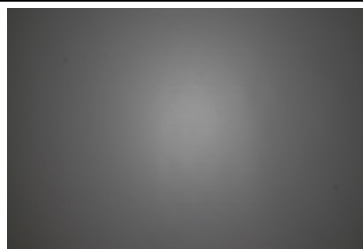
**CREE** ⇄

LED XHP50  
 FWHM 79.0°  
 Efficiency 92 %  
 Peak intensity 0.650 cd/lm  
 Required components:  
 C13083\_PF-SOCKET



**CREE** ⇄

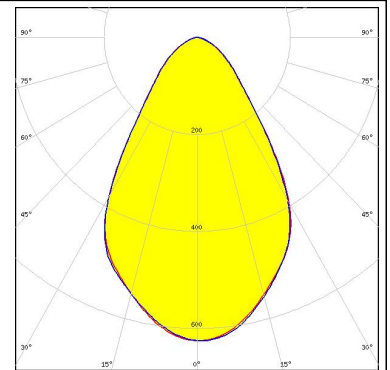
LED XHP70  
 FWHM 79.0°  
 Efficiency 90 %  
 Peak intensity 0.590 cd/lm  
 Required components:  
 C13083\_PF-SOCKET



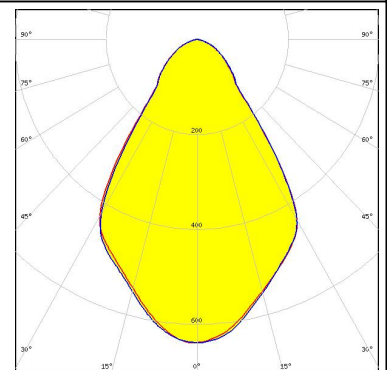
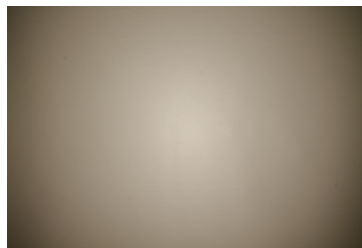
#### PHOTOMETRIC DATA (MEASURED):



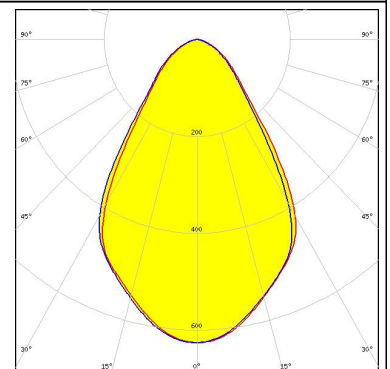
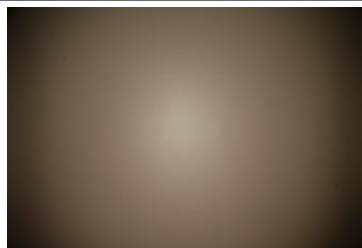
LED LUXEON CoB 1202/1203  
 FWHM 67.0°  
 Efficiency 83 %  
 Peak intensity 0.600 cd/lm  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C12479\_MIRELLA-DL  
 Bender Wirth: 438 Typ L1



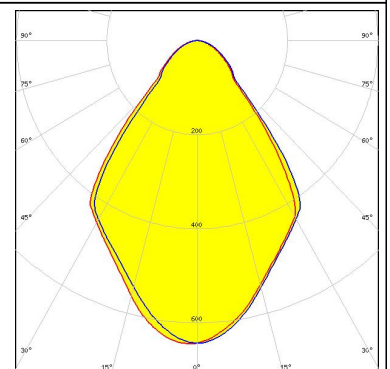
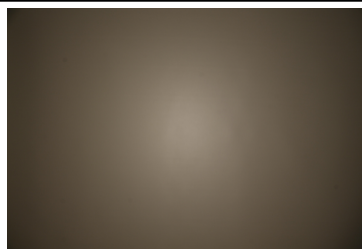
LED LUXEON CoB 1202/1203  
 FWHM 69.0°  
 Efficiency 84 %  
 Peak intensity 0.600 cd/lm  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C13333\_MIRELLA-CL  
 Bender Wirth: 438 Typ L1



LED LUXEON CoB 1202/1203  
 FWHM 68.0°  
 Efficiency 86 %  
 Peak intensity 0.600 cd/lm  
 Required components:  
 C12479\_MIRELLA-DL  
 IDEAL: 50-2100NC +50-2100MR



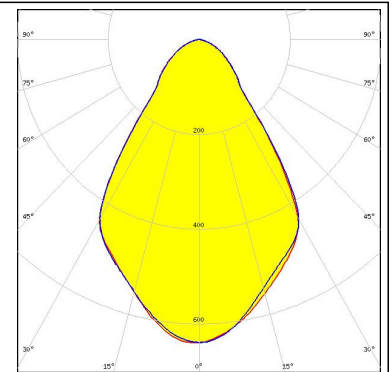
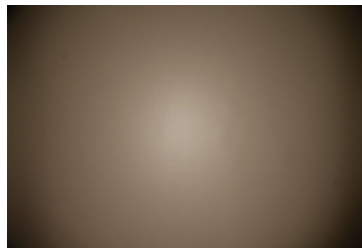
LED LUXEON CoB 1202/1203  
 FWHM 75.0°  
 Efficiency 93 %  
 Peak intensity 0.600 cd/lm  
 Required components:  
 IDEAL: 50-2100NC +50-2100MR



#### PHOTOMETRIC DATA (MEASURED):

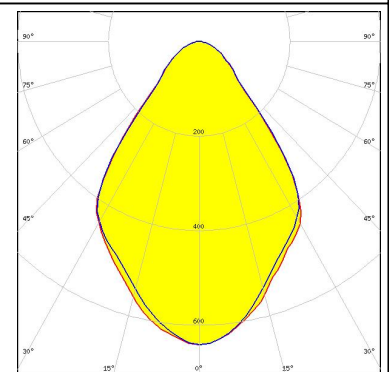
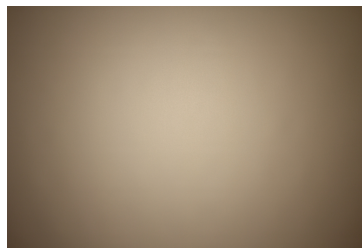
#### LUMILEDS

LED LUXEON CoB 1202/1203  
FWHM 69.0°  
Efficiency 87 %  
Peak intensity 0.600 cd/lm  
Required components:  
C13333\_MIRELLA-CL  
IDEAL: 50-2100NC +50-2100MR



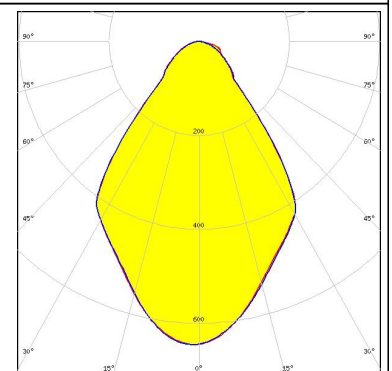
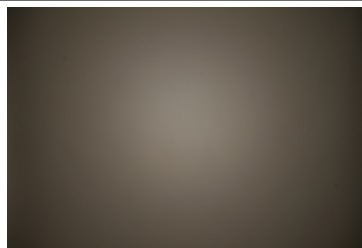
#### LUMILEDS

LED LUXEON CoB 1202/1203  
FWHM 76.0°  
Efficiency 92 %  
Peak intensity 0.640 cd/lm  
Required components:  
C14037\_PF-NSX-SOCKET



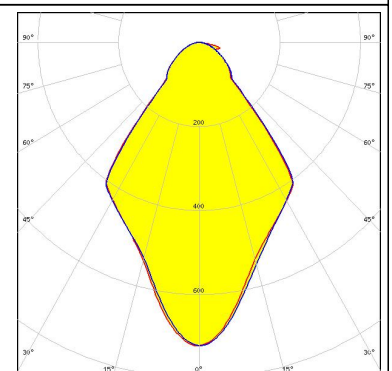
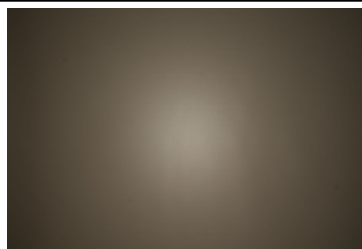
#### LUMILEDS

LED LUXEON CoB 1202/1203  
FWHM 73.0°  
Efficiency 89 %  
Peak intensity 0.650 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 438 Typ L1



#### LUMILEDS

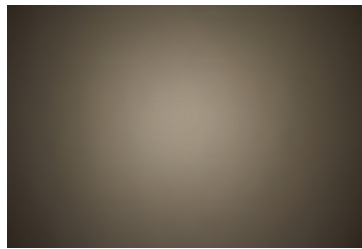
LED LUXEON CoB 1202s  
FWHM 73.0°  
Efficiency 91 %  
Peak intensity 0.720 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 452 Typ L1



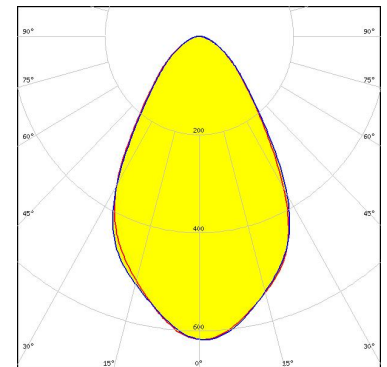
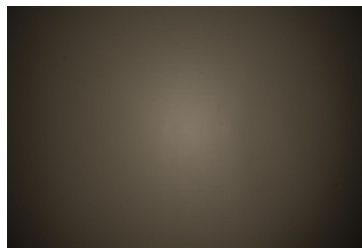
#### PHOTOMETRIC DATA (MEASURED):



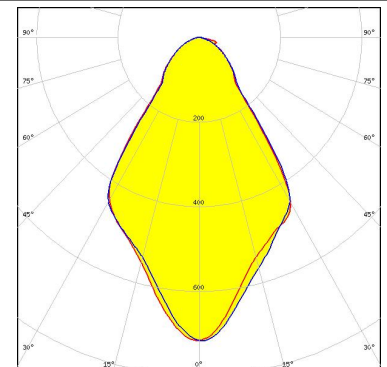
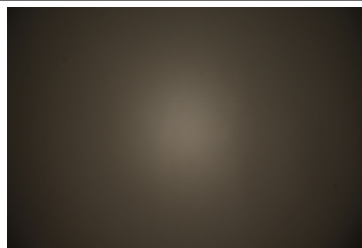
LED LUXEON CoB 1202s  
FWHM 78.0°  
Efficiency 94 %  
Peak intensity 0.700 cd/lm  
Required components:  
C13761\_PF-SOCKET-CXA15



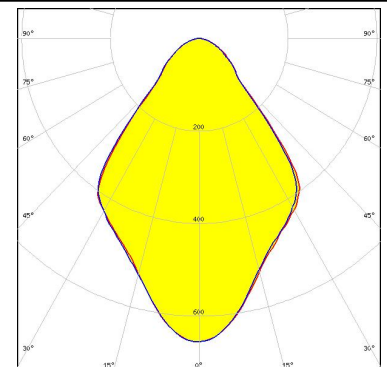
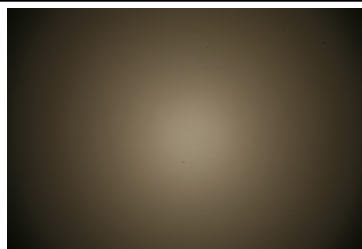
LED LUXEON CoB 1202s  
FWHM 65.0°  
Efficiency 82 %  
Peak intensity 0.620 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C12479\_MIRELLA-DL  
Bender Wirth: 452 Typ L1



LED LUXEON CoB 1202s  
FWHM 67.0°  
Efficiency 86 %  
Peak intensity 0.720 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C13333\_MIRELLA-CL  
Bender Wirth: 452 Typ L1



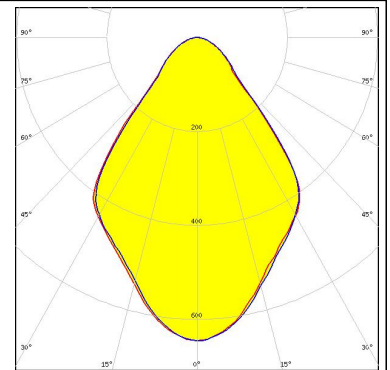
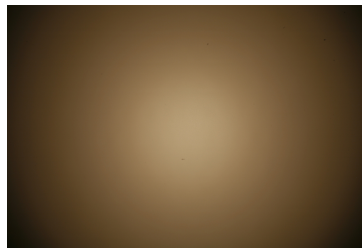
LED CXM-6  
FWHM 77.0°  
Efficiency 91 %  
Peak intensity 0.660 cd/lm  
Required components:  
C13083\_PF-SOCKET



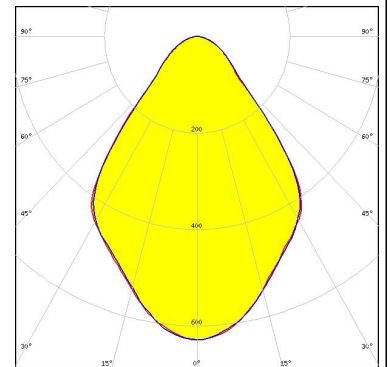
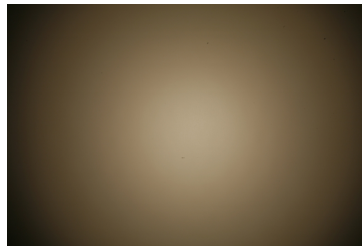
#### PHOTOMETRIC DATA (MEASURED):



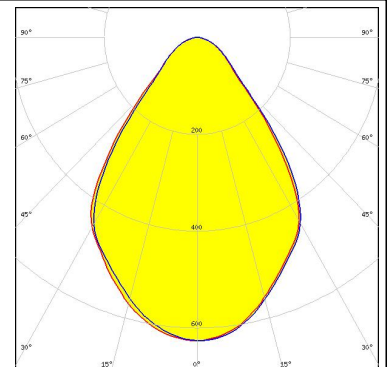
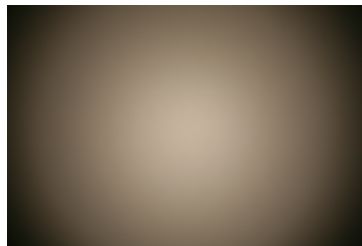
LED CXM-7  
 FWHM 77.0°  
 Efficiency 92 %  
 Peak intensity 0.650 cd/lm  
 Required components:  
 C13083\_PF-SOCKET



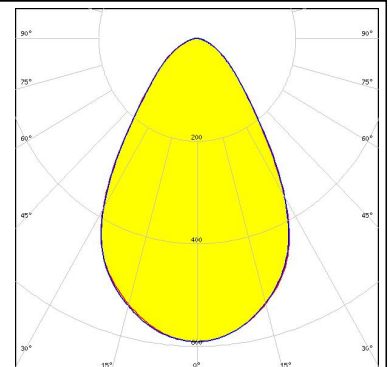
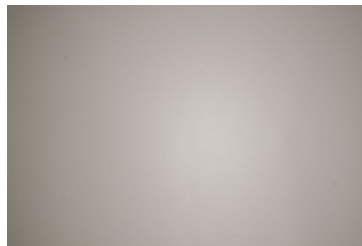
LED CXM-9  
 FWHM 77.0°  
 Efficiency 92 %  
 Peak intensity 0.600 cd/lm  
 Required components:  
 C13083\_PF-SOCKET




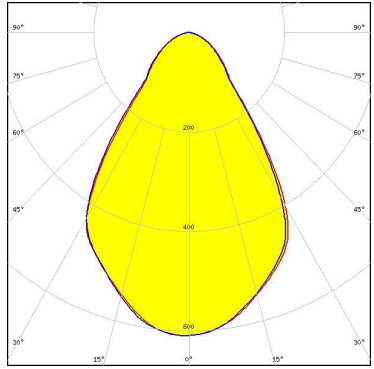
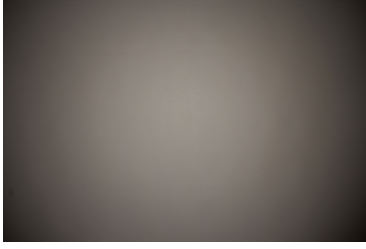
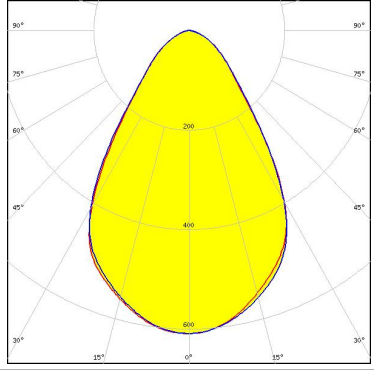
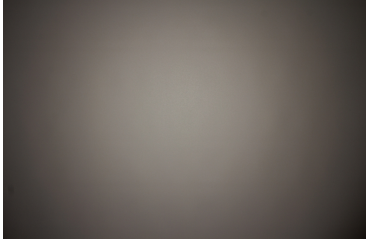
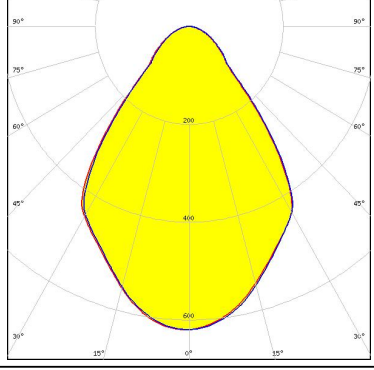
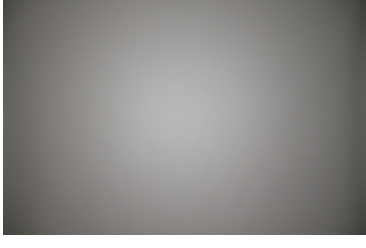
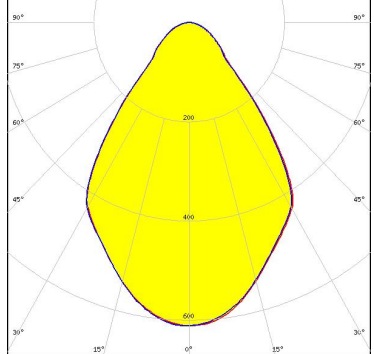
LED COB L-Type (LES 11)  
 FWHM 75.0°  
 Efficiency 92 %  
 Peak intensity 0.630 cd/lm  
 Required components:  
 C14037\_PF-NSX-SOCKET



LED COB L-Type (LES 11)  
 FWHM 67.0°  
 Efficiency 82 %  
 Peak intensity 0.590 cd/lm  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C12479\_MIRELLA-DL  
 Bender Wirth: 438 Typ L1



#### PHOTOMETRIC DATA (MEASURED):

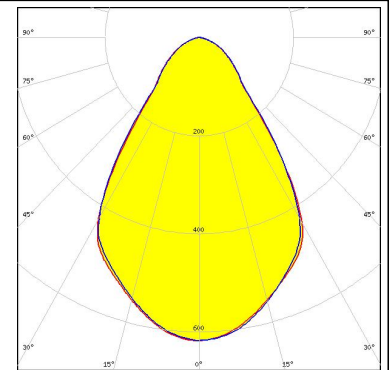
<p><b>NICHIA</b></p> <p>LED COB L-Type (LES 11)</p> <p>FWHM 69.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 0.610 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C13333_MIRELLA-CL</p> <p>Bender Wirth: 438 Typ L1</p>		
<p><b>NICHIA</b></p> <p>LED COB L-Type (LES 11)</p> <p>FWHM 69.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.600 cd/lm</p> <p>Required components:</p> <p>C12479_MIRELLA-DL</p> <p>IDEAL: 50-2100NC +50-2100MR</p>		
<p><b>NICHIA</b></p> <p>LED COB L-Type (LES 11)</p> <p>FWHM 75.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.600 cd/lm</p> <p>Required components:</p> <p>IDEAL: 50-2100NC +50-2100MR</p>		
<p><b>NICHIA</b></p> <p>LED COB L-Type (LES 11)</p> <p>FWHM 73.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.610 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>Bender Wirth: 438 Typ L1</p>		



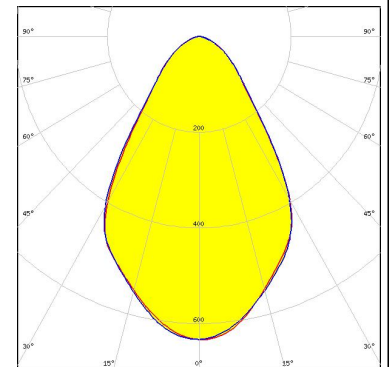
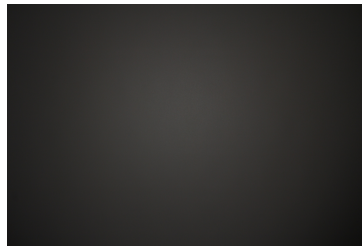
#### PHOTOMETRIC DATA (MEASURED):



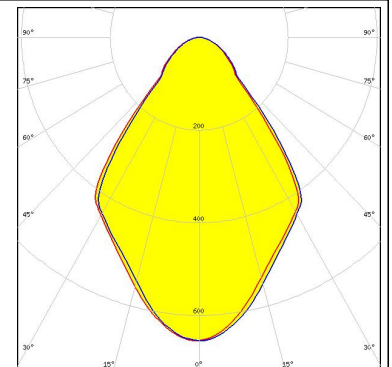
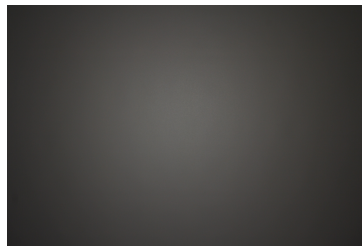
LED COB L-Type (LES 11)  
FWHM 70.0°  
Efficiency 87 %  
Peak intensity 0.600 cd/lm  
Required components:  
C13333\_MIRELLA-CL  
IDEAL: 50-2100NC +50-2100MR



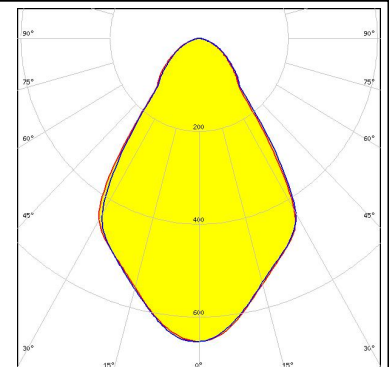
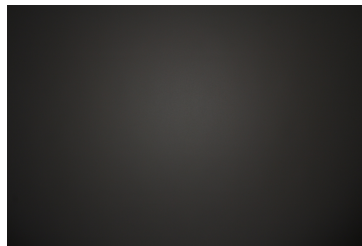
LED COB L-Type (LES 9)  
FWHM 67.0°  
Efficiency 85 %  
Peak intensity 0.600 cd/lm  
Required components:  
C12479\_MIRELLA-DL  
IDEAL: 50-2100NC +50-2100MR



LED COB L-Type (LES 9)  
FWHM 75.0°  
Efficiency 93 %  
Peak intensity 0.700 cd/lm  
Required components:  
IDEAL: 50-2100NC +50-2100MR



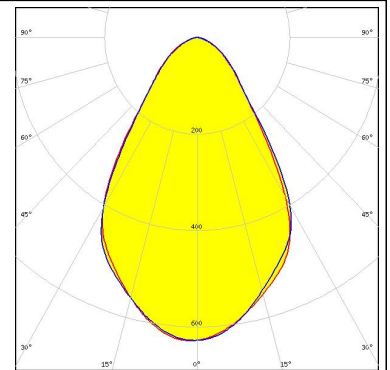
LED COB L-Type (LES 9)  
FWHM 69.0°  
Efficiency 86 %  
Peak intensity 0.700 cd/lm  
Required components:  
C13333\_MIRELLA-CL  
IDEAL: 50-2100NC +50-2100MR



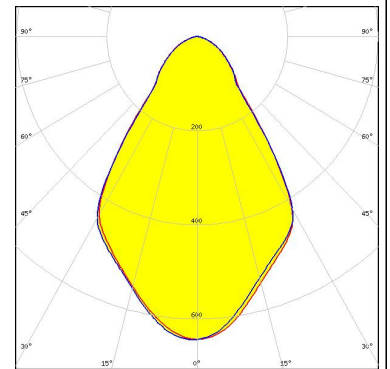
#### PHOTOMETRIC DATA (MEASURED):



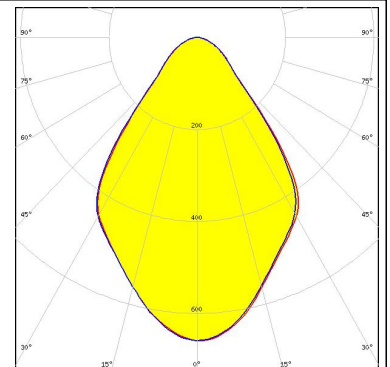
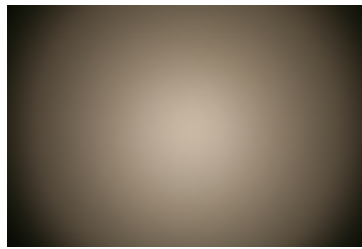
LED COB L-Type (LES 9)  
 FWHM 67.0°  
 Efficiency 85 %  
 Peak intensity 0.630 cd/lm  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C12479\_MIRELLA-DL  
 Bender Wirth: 438 Typ L1



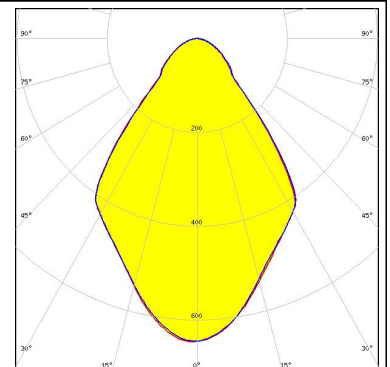
LED COB L-Type (LES 9)  
 FWHM 68.0°  
 Efficiency 85 %  
 Peak intensity 0.640 cd/lm  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 C13333\_MIRELLA-CL  
 Bender Wirth: 438 Typ L1



LED COB L-Type (LES 9)  
 FWHM 75.0°  
 Efficiency 93 %  
 Peak intensity 0.660 cd/lm  
 Required components:  
 C14037\_PF-NSX-SOCKET



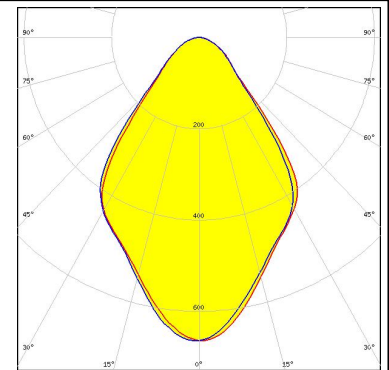
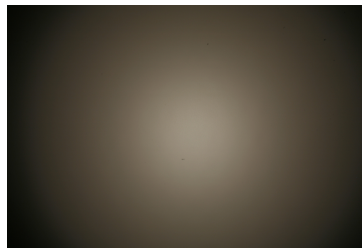
LED COB L-Type (LES 9)  
 FWHM 74.0°  
 Efficiency 89 %  
 Peak intensity 0.650 cd/lm  
 Required components:  
 C13709\_PF-SOCKET-VERO13-18  
 Bender Wirth: 438 Typ L1



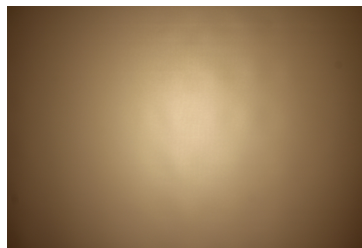
#### PHOTOMETRIC DATA (MEASURED):



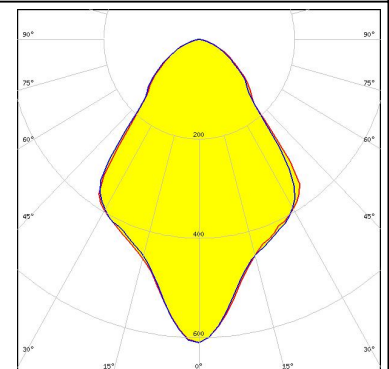
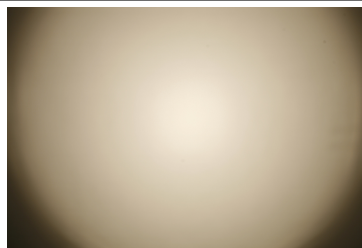
LED NSCxL036A  
 FWHM 75.0°  
 Efficiency 92 %  
 Peak intensity 0.650 cd/lm  
 Required components:  
 C14037\_PF-NSX-SOCKET



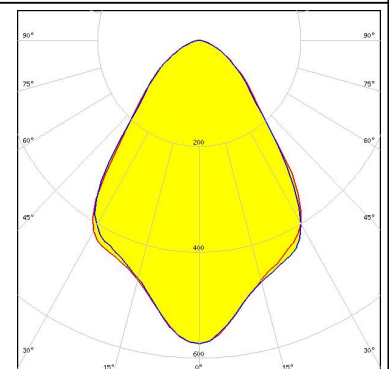
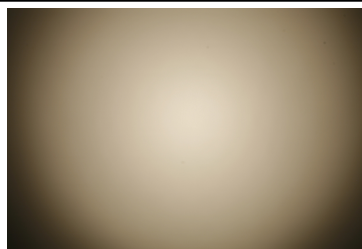
LED Duris S10  
 FWHM 79.0°  
 Efficiency 93 %  
 Peak intensity 0.700 cd/lm  
 Required components:  
 C13083\_PF-SOCKET



LED Duris S8  
 FWHM 76.0°  
 Efficiency 86 %  
 Peak intensity 0.600 cd/lm  
 Required components:  
 C13708\_PF-SOCKET-VERO10  
 C13333\_MIRELLA-CL



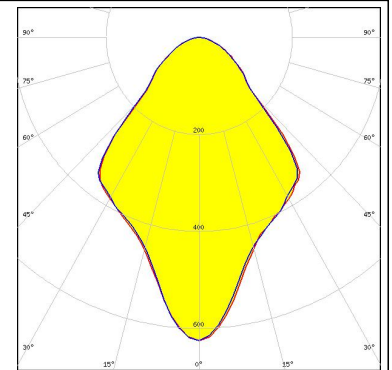
LED Duris S8  
 FWHM 75.0°  
 Efficiency 85 %  
 Peak intensity 0.600 cd/lm  
 Required components:  
 C13708\_PF-SOCKET-VERO10  
 C12479\_MIRELLA-DL



#### PHOTOMETRIC DATA (MEASURED):

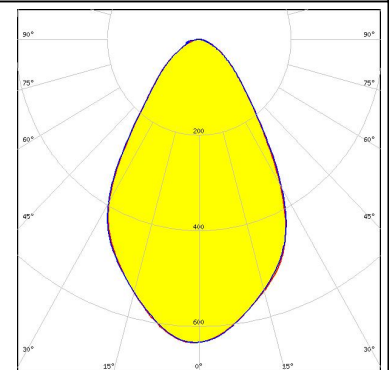
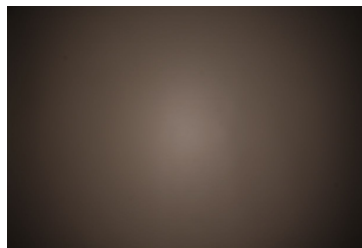
**OSRAM**  
Opto Semiconductors

LED Ostar Lighting+  
FWHM 81.0°  
Efficiency 91 %  
Peak intensity 0.600 cd/lm  
Required components:  
C13708\_PF-SOCKET-VERO10



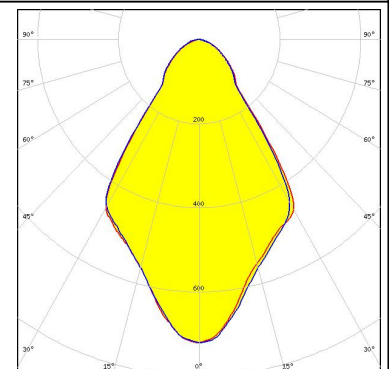
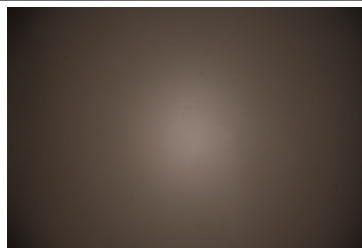
**OSRAM**  
Opto Semiconductors

LED Soleriq P6  
FWHM 66.0°  
Efficiency 83 %  
Peak intensity 0.630 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C12479\_MIRELLA-DL  
Bender Wirth: 446 Typ L1



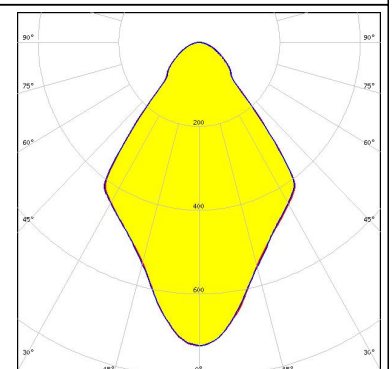
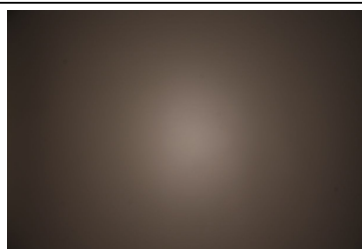
**OSRAM**  
Opto Semiconductors

LED Soleriq P6  
FWHM 68.0°  
Efficiency 87 %  
Peak intensity 0.720 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C13333\_MIRELLA-CL  
Bender Wirth: 446 Typ L1



**OSRAM**  
Opto Semiconductors

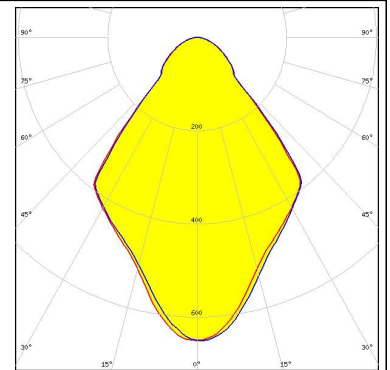
LED Soleriq P6  
FWHM 73.0°  
Efficiency 92 %  
Peak intensity 0.720 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 446 Typ L1



#### PHOTOMETRIC DATA (MEASURED):

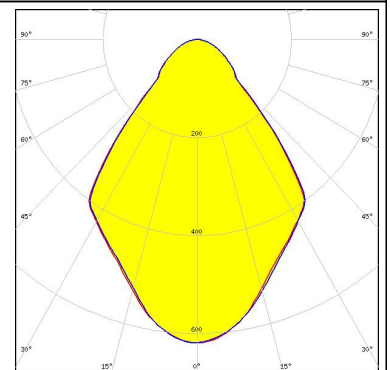
**OSRAM**  
Opto Semiconductors

LED Soleriq P6  
FWHM 77.0°  
Efficiency 92 %  
Peak intensity 0.700 cd/lm  
Required components:  
C13761\_PF-SOCKET-CXA15



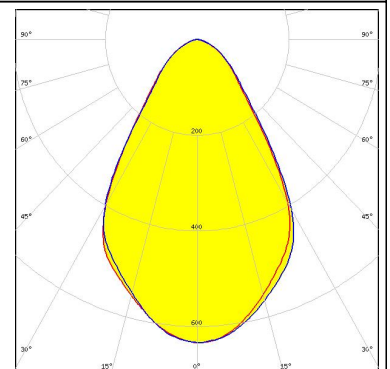
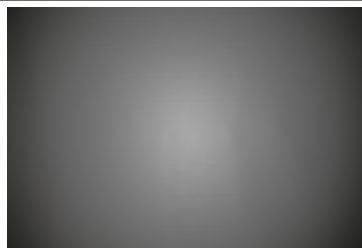
**OSRAM**  
Opto Semiconductors

LED Soleriq P9  
FWHM 78.0°  
Efficiency 93 %  
Peak intensity 0.600 cd/lm  
Required components:  
C13761\_PF-SOCKET-CXA15



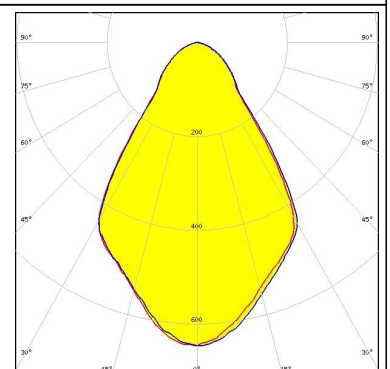
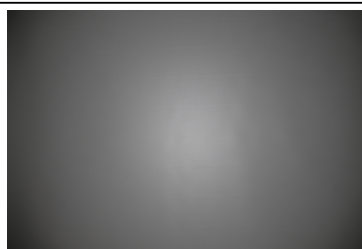
**OSRAM**  
Opto Semiconductors

LED Soleriq P9  
FWHM 67.0°  
Efficiency 85 %  
Peak intensity 0.630 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C12479\_MIRELLA-DL  
Bender Wirth: 461 Typ L1



**OSRAM**  
Opto Semiconductors

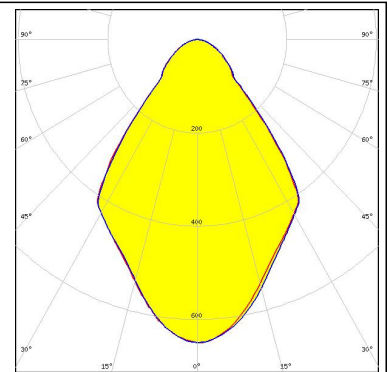
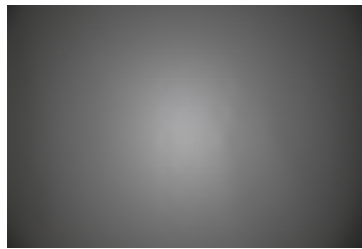
LED Soleriq P9  
FWHM 69.0°  
Efficiency 85 %  
Peak intensity 0.650 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C13333\_MIRELLA-CL  
Bender Wirth: 461 Typ L1



#### PHOTOMETRIC DATA (MEASURED):

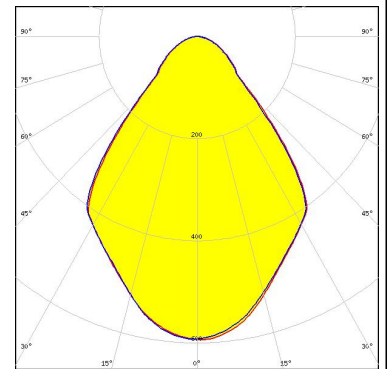
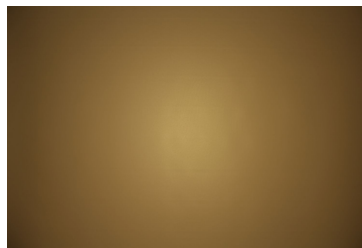
**OSRAM**  
Opto Semiconductors

LED Soleriq P9  
FWHM 74.0°  
Efficiency 90 %  
Peak intensity 0.650 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 461 Typ L1



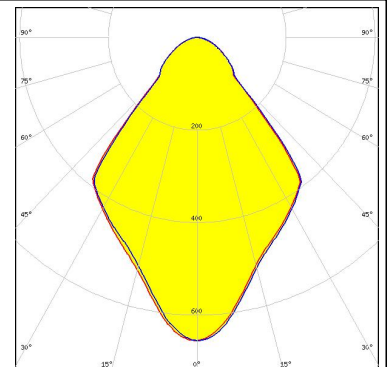
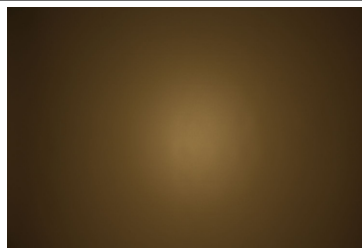
**TRIDONIC**

LED SLE G5 LES11  
FWHM 78.0°  
Efficiency 92 %  
Peak intensity 0.550 cd/lm  
Required components:  
C13083\_PF-SOCKET



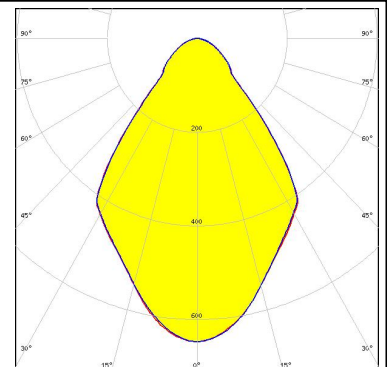
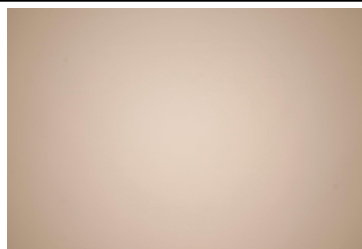
**TRIDONIC**

LED SLE G5 LES6  
FWHM 79.0°  
Efficiency 93 %  
Peak intensity 0.660 cd/lm  
Required components:  
C13083\_PF-SOCKET



**XICATO**

LED XTM - 9mm LES  
FWHM 73.0°  
Efficiency 89 %  
Peak intensity 0.650 cd/lm  
Required components:  
C14636\_XTM-PF-ADAPTER



### PHOTOMETRIC DATA (SIMULATED):

#### LUMILEDS

LED LUXEON CoB Compact  
FWHM 65.0°  
Efficiency 82 %  
Peak intensity 0.620 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C12479\_MIRELLA-DL  
Bender Wirth: 452 Typ L1

#### LUMILEDS

LED LUXEON CoB Compact  
FWHM 73.0°  
Efficiency 91 %  
Peak intensity 0.720 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 452 Typ L1

#### LUMILEDS

LED LUXEON CoB Compact  
FWHM 67.0°  
Efficiency 86 %  
Peak intensity 0.720 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C13333\_MIRELLA-CL  
Bender Wirth: 452 Typ L1

#### LUMILEDS

LED LUXEON CoB Compact  
FWHM 78.0°  
Efficiency 94 %  
Peak intensity 0.700 cd/lm  
Required components:  
C13761\_PF-SOCKET-CXA15

## PHOTOMETRIC DATA (SIMULATED):

### LUMINUS

LED CXM-14  
FWHM 74.0°  
Efficiency 82 %  
Peak intensity 0.600 cd/lm

Required components:

C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 433 Typ L1

### LUMINUS

LED CXM-14  
FWHM 69.0°  
Efficiency 78 %  
Peak intensity 0.600 cd/lm

Required components:

C13709\_PF-SOCKET-VERO13-18  
C13333\_MIRELLA-CL  
Bender Wirth: 433 Typ L1

### LUMINUS

LED CXM-14  
FWHM 67.0°  
Efficiency 76 %  
Peak intensity 0.600 cd/lm

Required components:

C13709\_PF-SOCKET-VERO13-18  
C12479\_MIRELLA-DL  
Bender Wirth: 433 Typ L1

### LUMINUS

LED CXM-9  
FWHM 73.0°  
Efficiency 89 %  
Peak intensity 0.650 cd/lm

Required components:

C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 434 Typ L1



## PHOTOMETRIC DATA (SIMULATED):

### LUMINUS

LED CXM-9  
FWHM 68.0°  
Efficiency 85 %  
Peak intensity 0.650 cd/lm

Required components:

C13709\_PF-SOCKET-VERO13-18  
C13333\_MIRELLA-CL  
Bender Wirth: 434 Typ L1

### LUMINUS

LED CXM-9  
FWHM 67.0°  
Efficiency 80 %  
Peak intensity 0.600 cd/lm

Required components:

C13709\_PF-SOCKET-VERO13-18  
C12479\_MIRELLA-DL  
Bender Wirth: 434 Typ L1

### NICHIA

LED COB S-Type (LES 7)  
FWHM 73.0°  
Efficiency 91 %  
Peak intensity 0.720 cd/lm

Required components:

C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 452 Typ L1

### NICHIA

LED COB S-Type (LES 7)  
FWHM 67.0°  
Efficiency 86 %  
Peak intensity 0.720 cd/lm

Required components:

C13709\_PF-SOCKET-VERO13-18  
C13333\_MIRELLA-CL  
Bender Wirth: 452 Typ L1

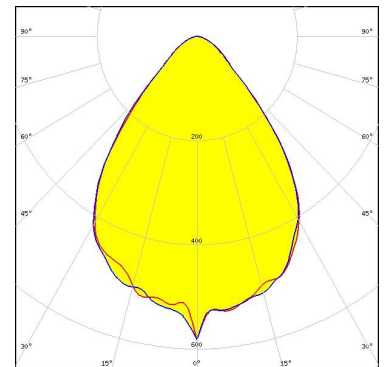
#### PHOTOMETRIC DATA (SIMULATED):



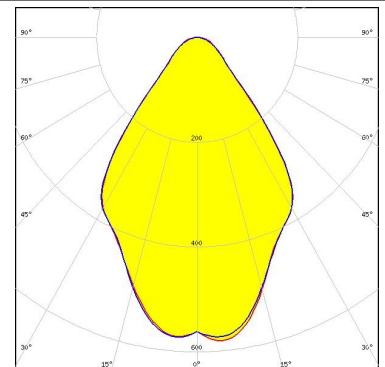
LED COB S-Type (LES 7)  
FWHM 65.0°  
Efficiency 82 %  
Peak intensity 0.620 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
C12479\_MIRELLA-DL  
Bender Wirth: 452 Typ L1



LED Soleriq S15  
FWHM 76.0°  
Efficiency 83 %  
Peak intensity 0.580 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 433 Typ L1



LED LC010C  
FWHM 72.0°  
Efficiency 78 %  
Peak intensity 0.580 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 479 Typ L1



LED LC020C  
FWHM 71.0°  
Efficiency 77 %  
Peak intensity 0.610 cd/lm  
Required components:  
C13709\_PF-SOCKET-VERO13-18  
Bender Wirth: 479 Typ L1

