



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-50-W

~40° wide beam

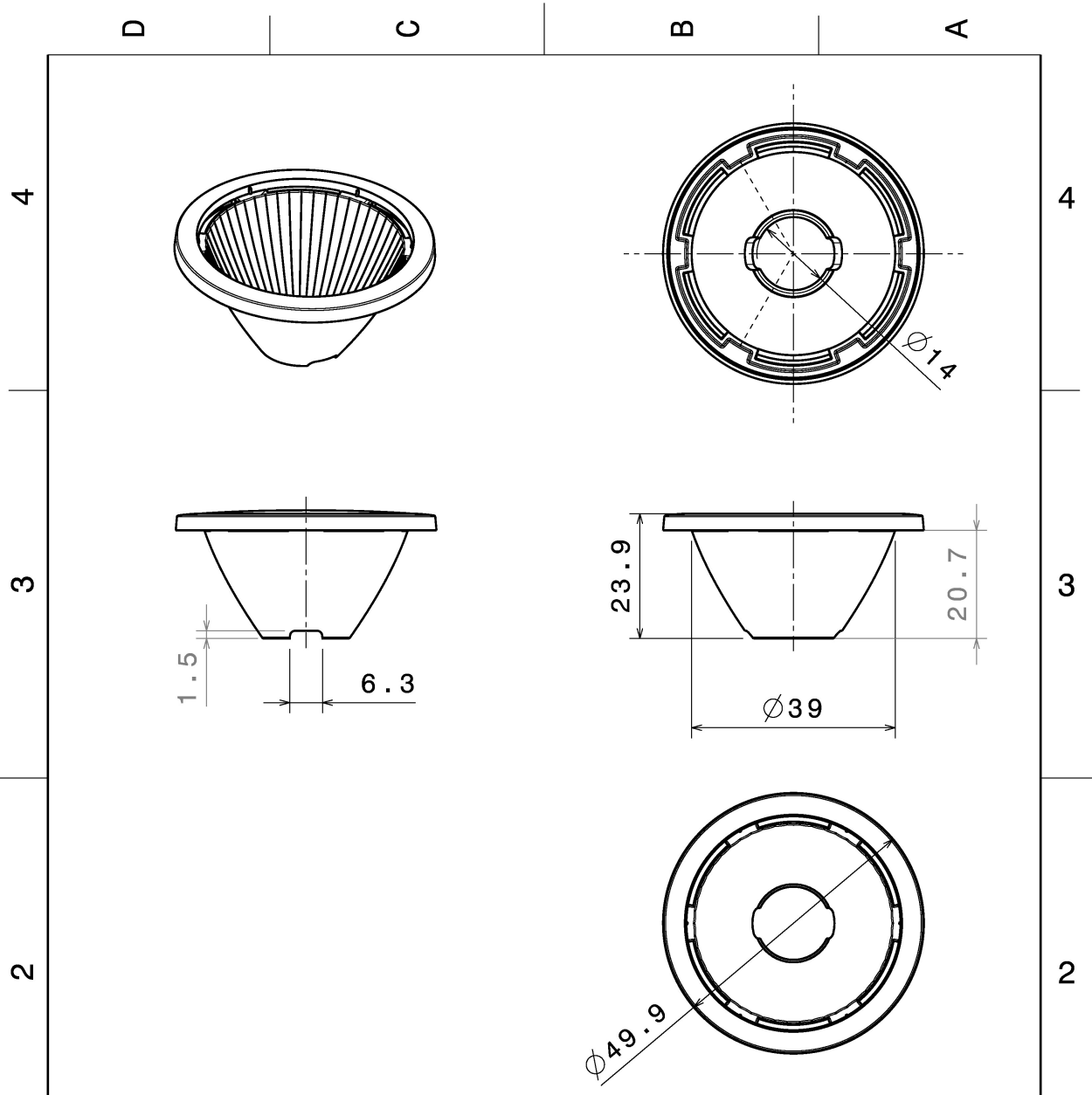
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.9 mm
Height	23.9 mm
Fastening	glue
Colour	metal
Box size	480 x 280 x 300 mm
Box weight	3 kg
Quantity in Box	336 pcs
ROHS compliant	yes ⓘ




MATERIAL SPECIFICATIONS:

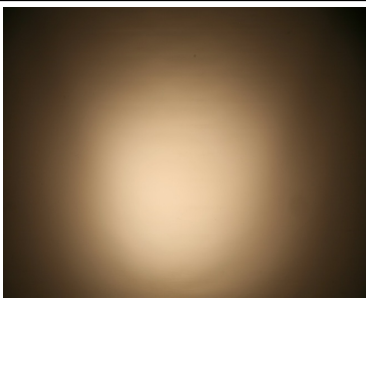
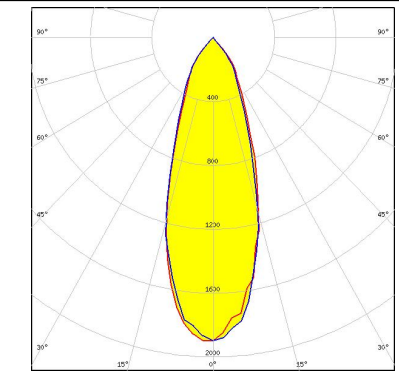
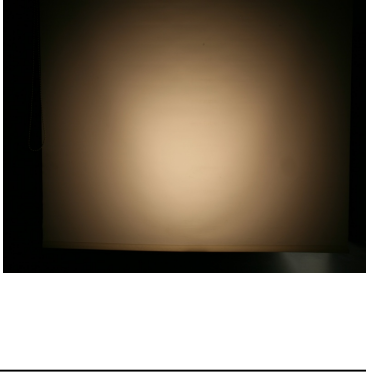
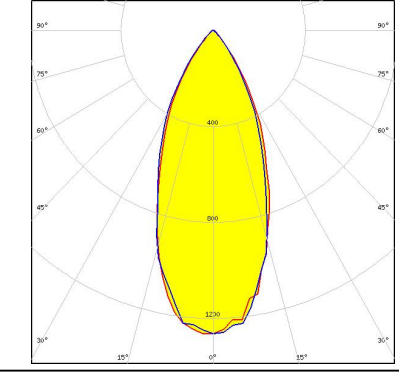




Component	Type	Material	Colour	Coating
MIRELLA-50-W	Reflector	PC	metal	lacquer



Material: PC, metal plated

This drawing is our property. It can't be reproduced or communicated without our written agreement.		 Ledil Oy Salorankatu 10 FIN-24240 SALO Finland		
DRAWING TITLE				
DRAWN BY pl	DATE 25.11.2011	Datasheet Mirella reflector		
CHECKED BY	DATE	SIZE A4	DRAWING NUMBER	REV 1
DESIGNED BY pl	DATE 25.11.2011	SCALE 1:1	WEIGHT (g)	SHEET 1/1

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED BXRA LS FWHM 35.0° Efficiency 88 % Peak intensity 1.900 cd/lm Required components:</p>		
<p>bridgelux.</p> <p>LED BXRA LS FWHM 43.0° Efficiency 82 % Peak intensity 1.300 cd/lm Required components: C12479_MIRELLA-DL</p>		
<p>bridgelux.</p> <p>LED BXRA LS FWHM 42.0° Efficiency 84 % Peak intensity 1.400 cd/lm Required components: C13333_MIRELLA-CL</p>		
<p>CITIZEN</p> <p>LED CLL01x FWHM 48.0° Efficiency 84 % Peak intensity 1.200 cd/lm Required components: C13333_MIRELLA-CL</p>		

PHOTOMETRIC DATA (MEASURED):

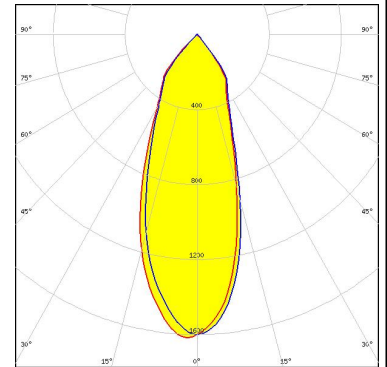
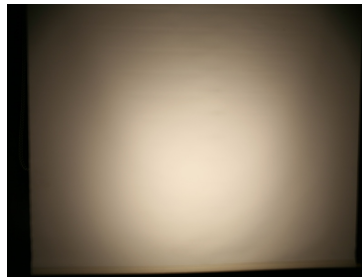
CITIZEN

LED CLL01x
FWHM 50.0°
Efficiency %
Peak intensity cd/lm
Required components:
C12479_MIRELLA-DL



CITIZEN

LED CLL01x
FWHM 44.0°
Efficiency %
Peak intensity cd/lm
Required components:



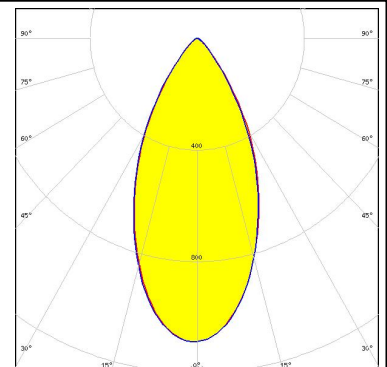
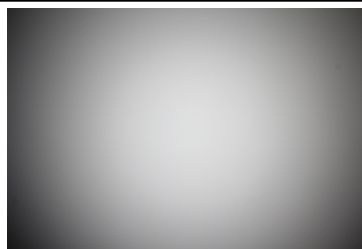
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 42.0°
Efficiency 90 %
Peak intensity cd/lm
Required components:



CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 50.0°
Efficiency 83 %
Peak intensity 1.090 cd/lm
Required components:
C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

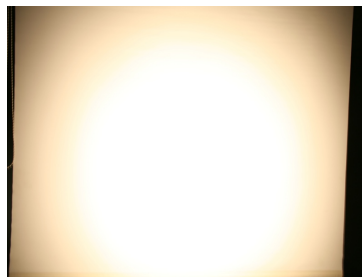
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 46.0°
Efficiency 84 %
Peak intensity 1.200 cd/lm
Required components:
C13333_MIRELLA-CL



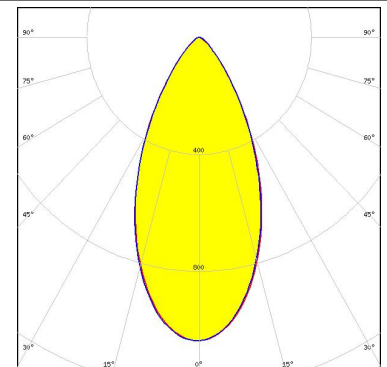
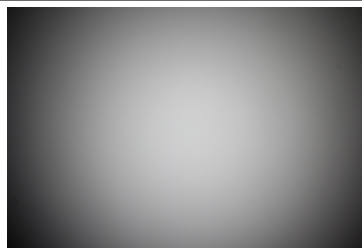
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 48.0°
Efficiency 82 %
Peak intensity cd/lm
Required components:
C12479_MIRELLA-DL



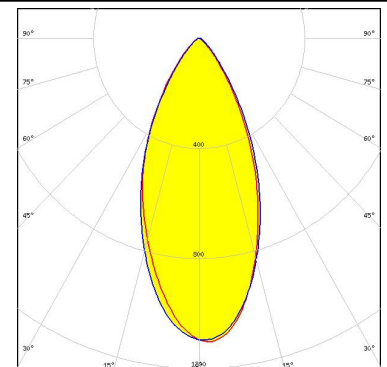
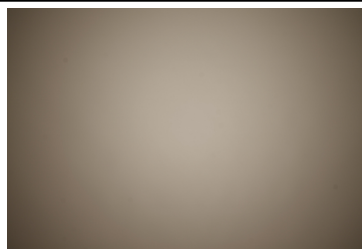
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 50.0°
Efficiency 82 %
Peak intensity 1.040 cd/lm
Required components:
C13723_MIRELLA-RZL



CITIZEN

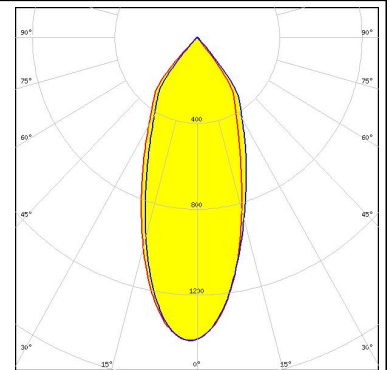
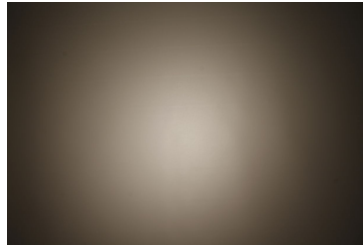
LED CLU700/701
FWHM 46.0°
Efficiency 80 %
Peak intensity 1.100 cd/lm
Required components:
C13723_MIRELLA-RZL



PHOTOMETRIC DATA (MEASURED):

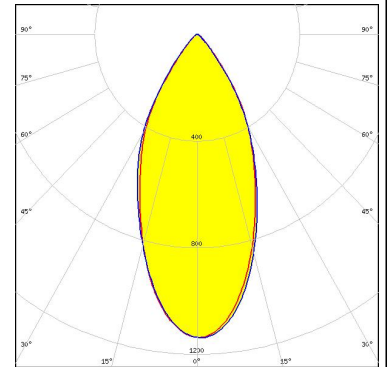
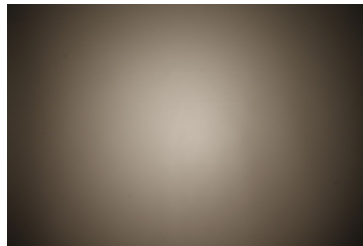
CITIZEN

LED CLU700/701
FWHM 40.0°
Efficiency 88 %
Peak intensity 1.400 cd/lm
Required components:



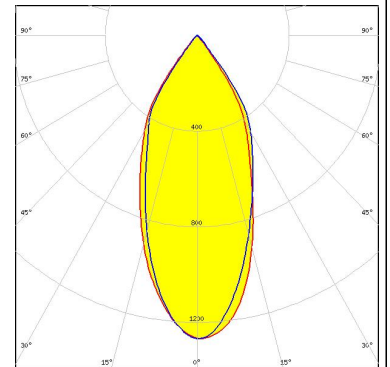
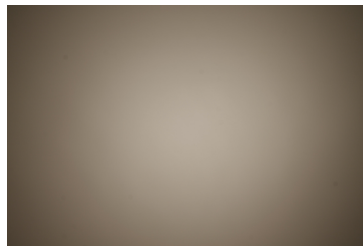
CITIZEN

LED CLU700/701
FWHM 47.0°
Efficiency 82 %
Peak intensity 1.100 cd/lm
Required components:
C12479_MIRELLA-DL



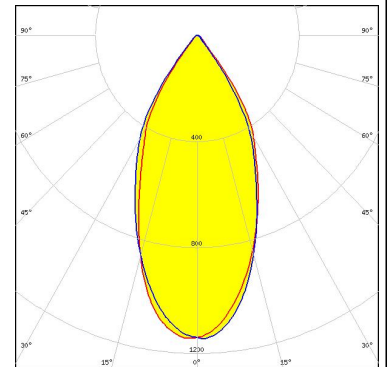
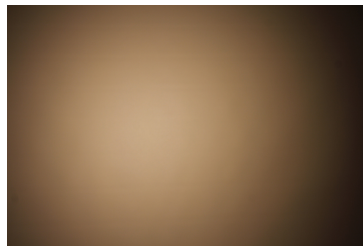
CITIZEN

LED CLU700/701
FWHM 44.0°
Efficiency 82 %
Peak intensity 1.300 cd/lm
Required components:
C13333_MIRELLA-CL



CITIZEN

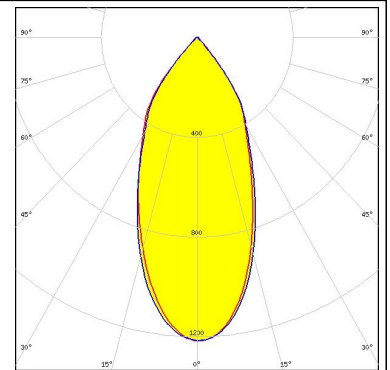
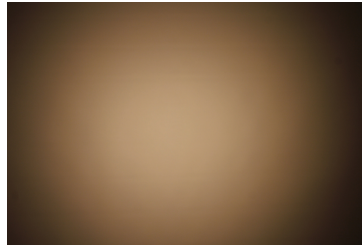
LED CLU710/711
FWHM 48.0°
Efficiency 83 %
Peak intensity 1.100 cd/lm
Required components:
C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

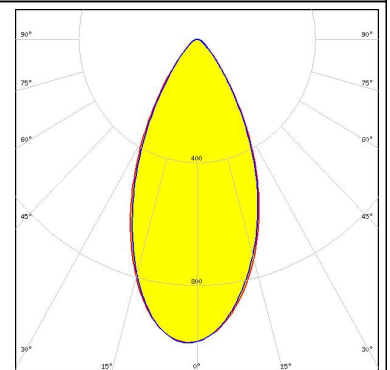
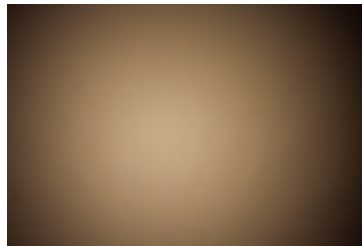
CITIZEN

LED CLU710/711
 FWHM 46.0°
 Efficiency 88 %
 Peak intensity 1.200 cd/lm
 Required components:



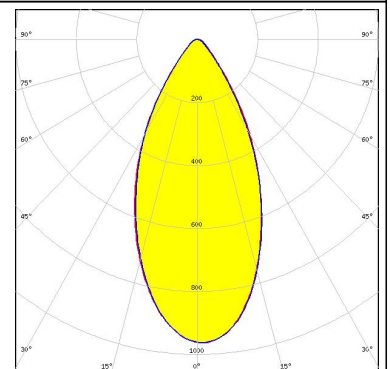
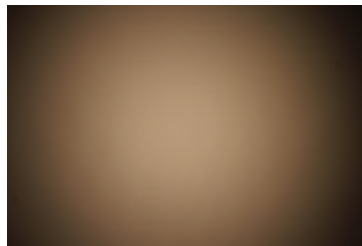
CITIZEN

LED CLU710/711
 FWHM 49.0°
 Efficiency 80 %
 Peak intensity 1.000 cd/lm
 Required components:
 C13723_MIRELLA-RZL



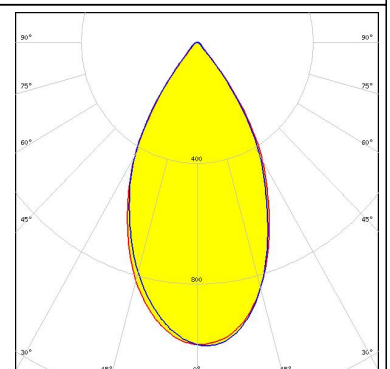
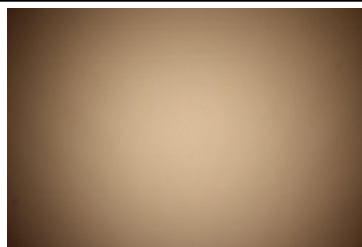
CITIZEN

LED CLU710/711
 FWHM 50.0°
 Efficiency 79 %
 Peak intensity 0.960 cd/lm
 Required components:
 C12479_MIRELLA-DL



CITIZEN

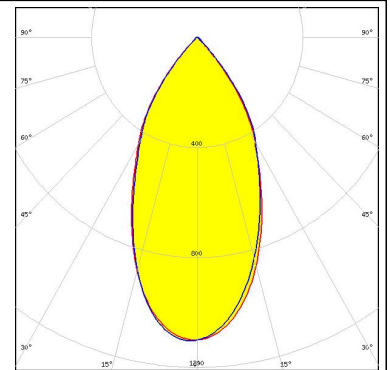
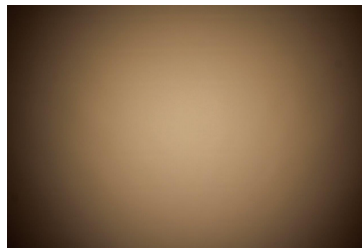
LED CLU720/721
 FWHM 55.0°
 Efficiency 83 %
 Peak intensity 1.000 cd/lm
 Required components:
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

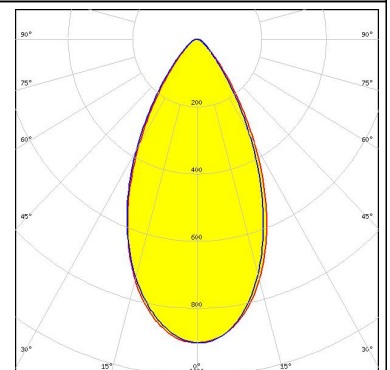
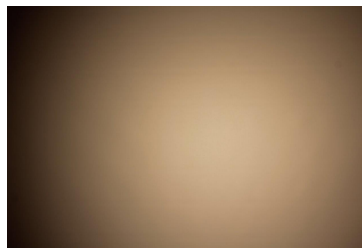
CITIZEN

LED CLU720/721
 FWHM 51.0°
 Efficiency 88 %
 Peak intensity 1.100 cd/lm
 Required components:



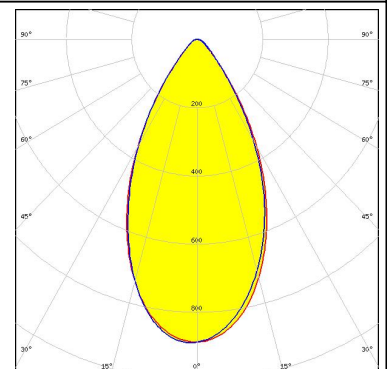
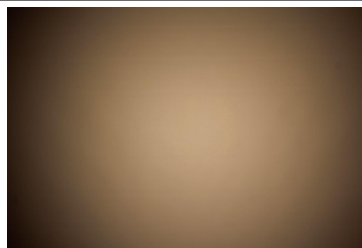
CITIZEN

LED CLU720/721
 FWHM 53.0°
 Efficiency 80 %
 Peak intensity 0.900 cd/lm
 Required components:
 C13723_MIRELLA-RZL



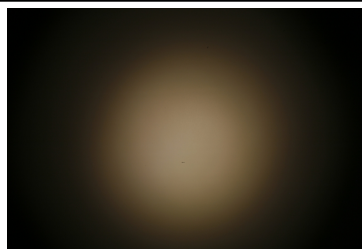
CITIZEN

LED CLU720/721
 FWHM 53.0°
 Efficiency 79 %
 Peak intensity 0.890 cd/lm
 Required components:
 C12479_MIRELLA-DL



CREE

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



PHOTOMETRIC DATA (MEASURED):

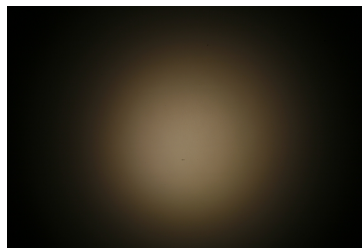
CREE ⇄

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



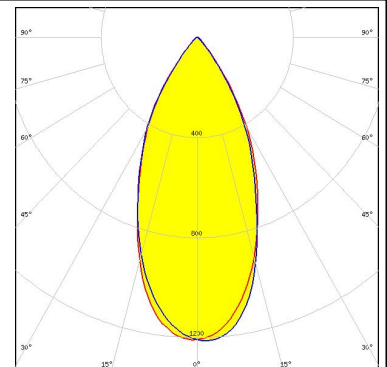
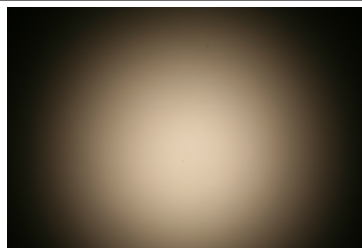
CREE ⇄

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



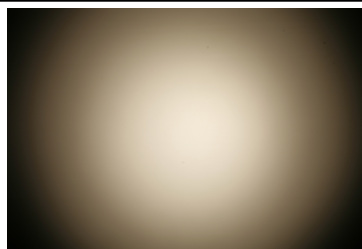
CREE ⇄

LED CXA/B 15xx
FWHM 50.0°
Efficiency 87 %
Peak intensity 1.100 cd/lm
Required components:
C12479_MIRELLA-DL



CREE ⇄

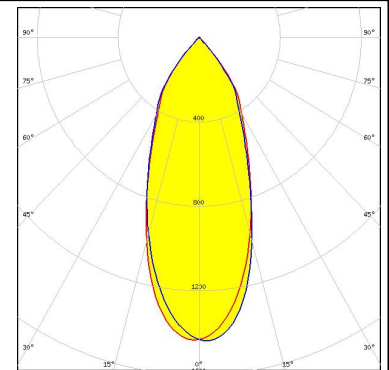
LED CXA/B 15xx
FWHM 46.0°
Efficiency 85 %
Peak intensity 1.400 cd/lm
Required components:
C13333_MIRELLA-CL



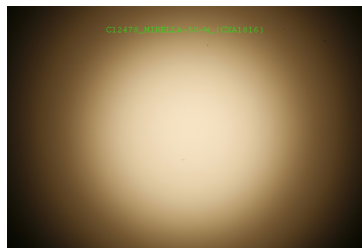
PHOTOMETRIC DATA (MEASURED):



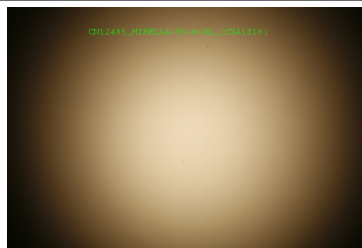
LED CXA/B 15xx
FWHM 42.0°
Efficiency 91 %
Peak intensity 1.400 cd/lm
Required components:



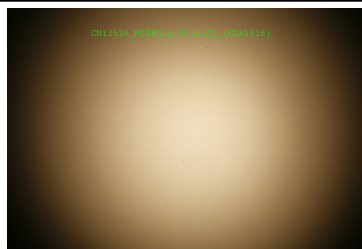
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM 52.0°
Efficiency 87 %
Peak intensity 1.200 cd/lm
Required components:



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM 52.0°
Efficiency 82 %
Peak intensity 1.200 cd/lm
Required components:
C12479_MIRELLA-DL



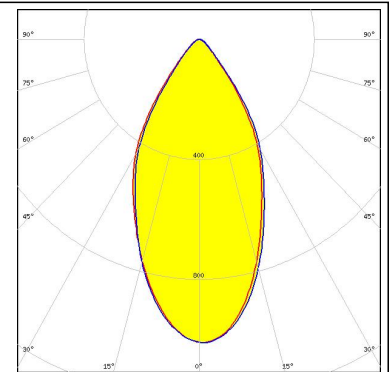
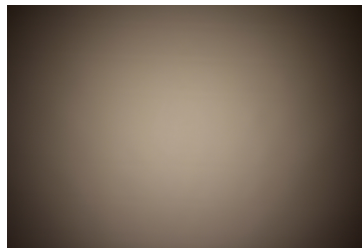
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM 56.0°
Efficiency 82 %
Peak intensity 1.100 cd/lm
Required components:
C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

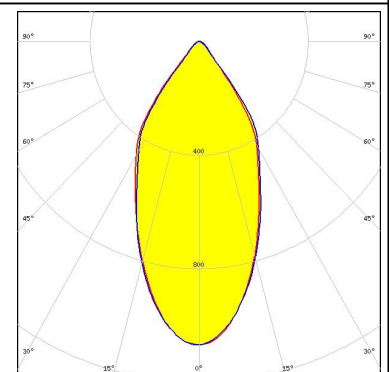
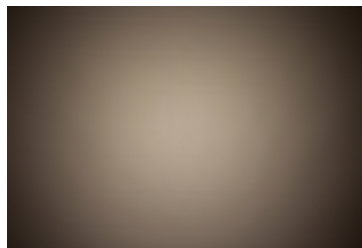
CREE 

LED MHD-E/G
 FWHM 52.0°
 Efficiency 87 %
 Peak intensity 1.000 cd/lm
 Required components:
 C12479_MIRELLA-DL



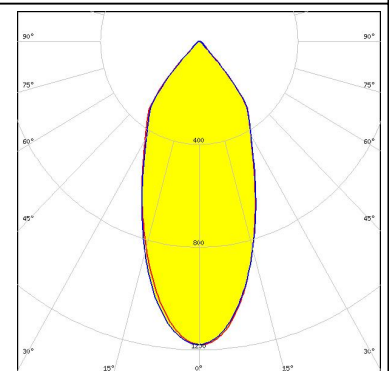
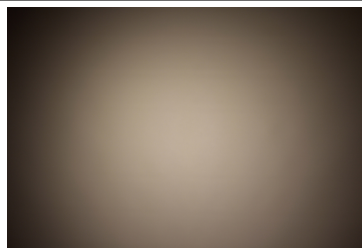
CREE 

LED MHD-E/G
 FWHM 50.0°
 Efficiency 87 %
 Peak intensity 1.100 cd/lm
 Required components:
 C13333_MIRELLA-CL



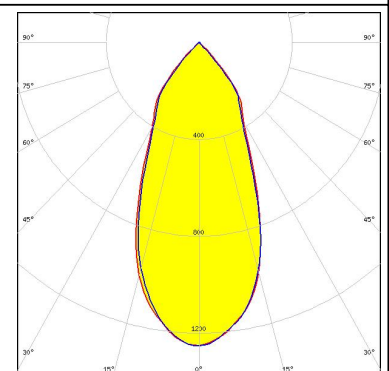
CREE 

LED MHD-E/G
 FWHM 46.0°
 Efficiency 92 %
 Peak intensity 1.200 cd/lm
 Required components:



CREE 

LED MT-G
 FWHM 46.0°
 Efficiency 90 %
 Peak intensity 1.253 cd/lm
 Required components:



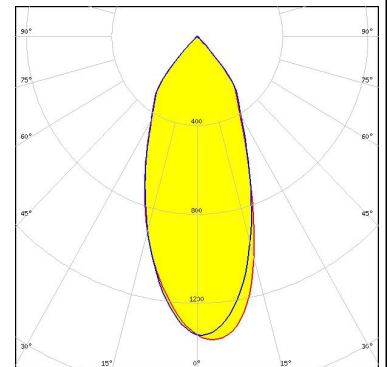
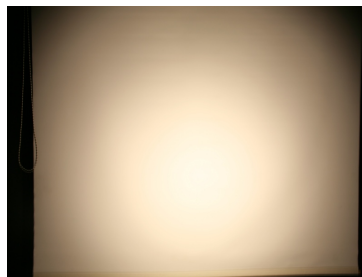
PHOTOMETRIC DATA (MEASURED):



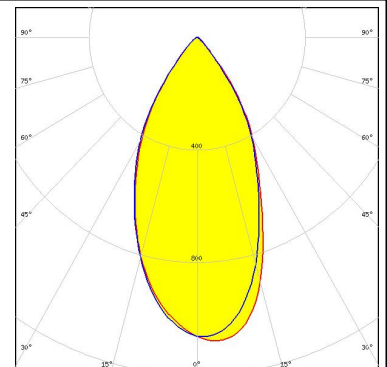
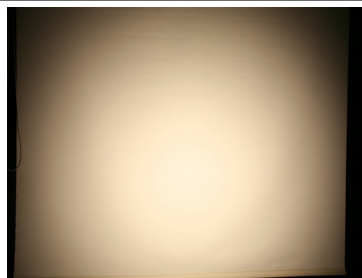
LED MT-G2
 FWHM 50.0°
 Efficiency 84 %
 Peak intensity 1.100 cd/lm
 Required components:
 C13333_MIRELLA-CL



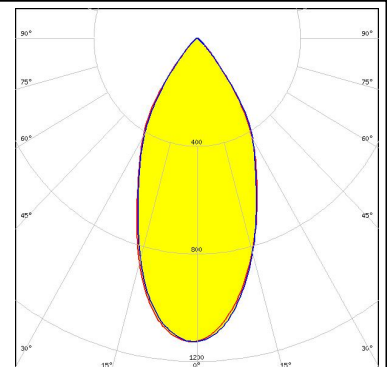
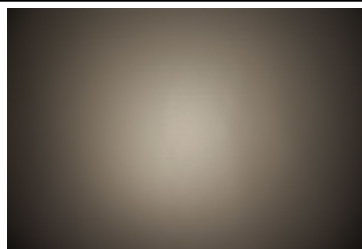
LED MT-G2
 FWHM 46.0°
 Efficiency 91 %
 Peak intensity 1.400 cd/lm
 Required components:



LED MT-G2
 FWHM 52.0°
 Efficiency 83 %
 Peak intensity 1.100 cd/lm
 Required components:
 C12479_MIRELLA-DL



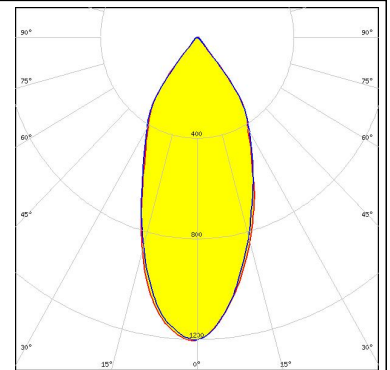
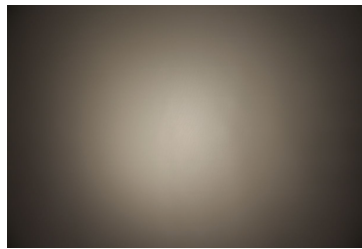
LED XHP50
 FWHM 48.0°
 Efficiency 85 %
 Peak intensity 1.100 cd/lm
 Required components:
 C12479_MIRELLA-DL



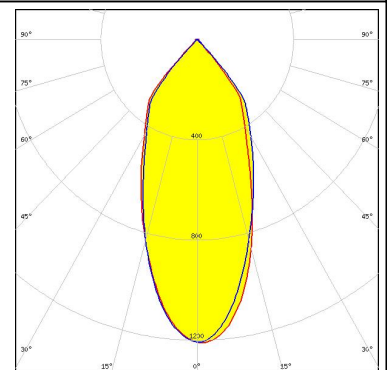
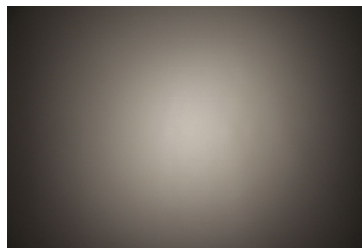
PHOTOMETRIC DATA (MEASURED):



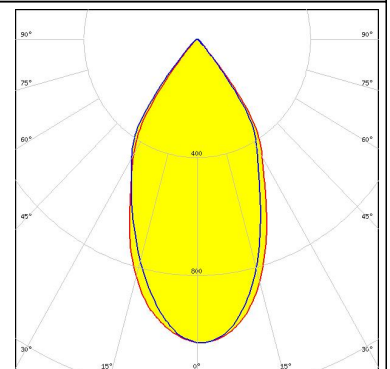
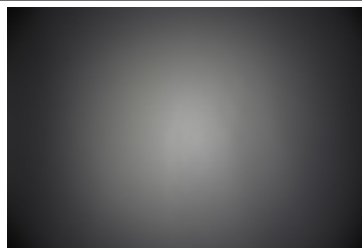
LED XHP50
FWHM 45.0°
Efficiency 84 %
Peak intensity 1.200 cd/lm
Required components:
C13333_MIRELLA-CL



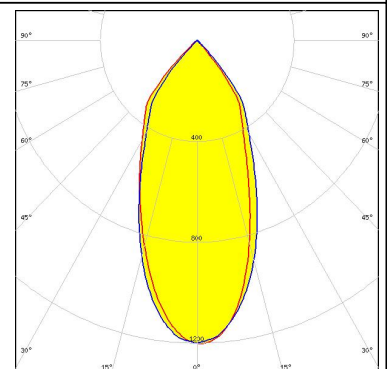
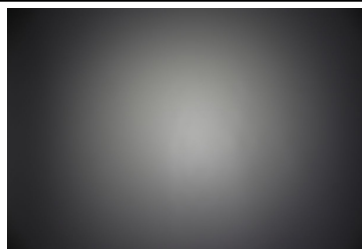
LED XHP50
FWHM 45.0°
Efficiency 89 %
Peak intensity 1.200 cd/lm
Required components:



LED XHP70
FWHM 53.0°
Efficiency 84 %
Peak intensity 1.000 cd/lm
Required components:
C13333_MIRELLA-CL



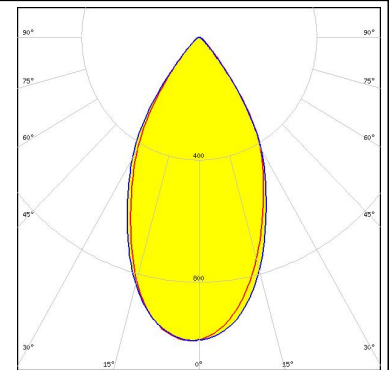
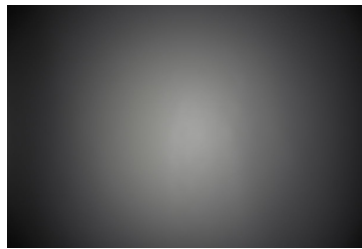
LED XHP70
FWHM 45.0°
Efficiency 89 %
Peak intensity 1.200 cd/lm
Required components:



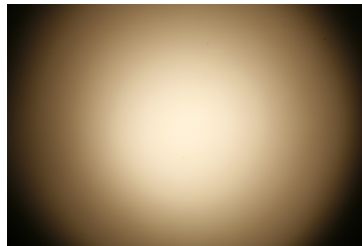
PHOTOMETRIC DATA (MEASURED):



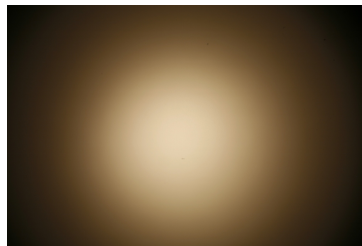
LED XHP70
FWHM 54.0°
Efficiency 84 %
Peak intensity 1.000 cd/lm
Required components:
C12479_MIRELLA-DL



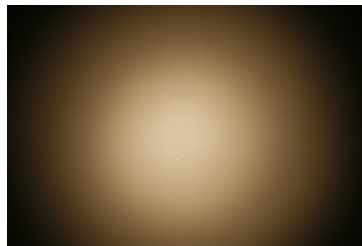
LED COB 4W
FWHM 41.0°
Efficiency 84 %
Peak intensity 1.500 cd/lm
Required components:
C13333_MIRELLA-CL



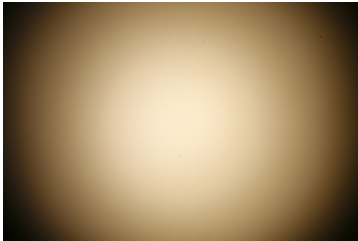
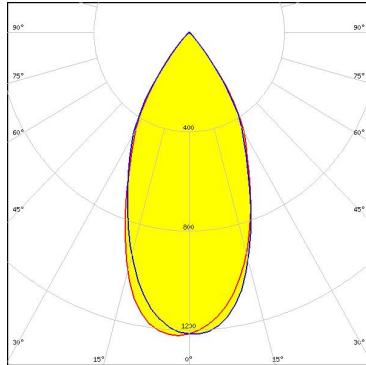
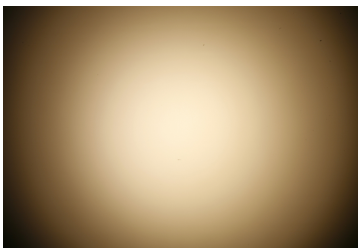
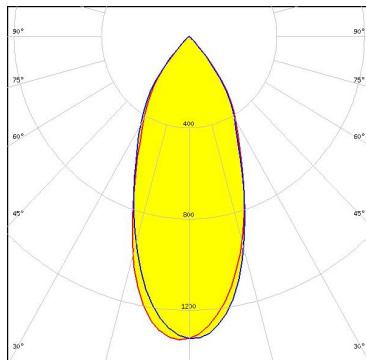

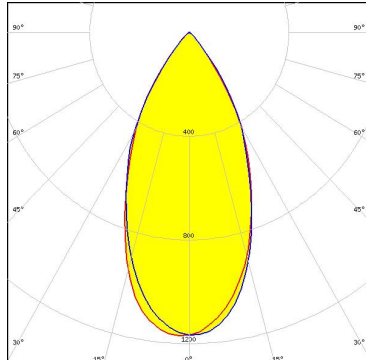

LED COB 4W
FWHM 38.0°
Efficiency 89 %
Peak intensity 1.700 cd/lm
Required components:



LED COB 4W
FWHM 44.0°
Efficiency 83 %
Peak intensity 1.300 cd/lm
Required components:
C12479_MIRELLA-DL



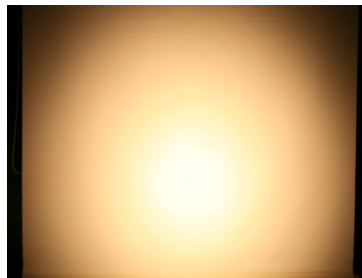
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM 49.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.200 cd/lm</p> <p>Required components: C13333_MIRELLA-CL</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM 44.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM 50.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.200 cd/lm</p> <p>Required components: C12479_MIRELLA-DL</p>		
<p>LUMILEDS</p> <p>LED LUXEON S1000</p> <p>FWHM 34.0°</p> <p>Efficiency %</p> <p>Peak intensity cd/lm</p> <p>Required components:</p>		

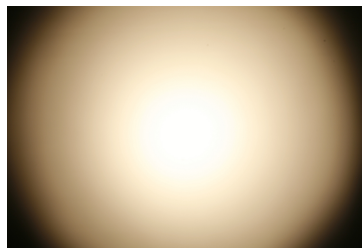
PHOTOMETRIC DATA (MEASURED):



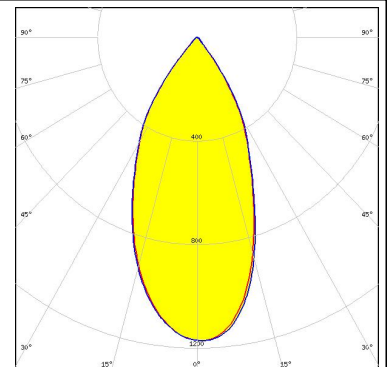
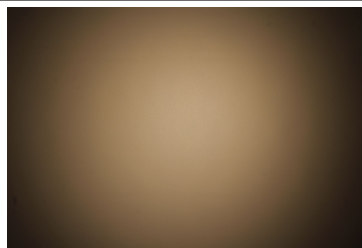
LED LUXEON S1000
 FWHM 41.0°
 Efficiency %
 Peak intensity cd/lm
 Required components:
 C12479_MIRELLA-DL



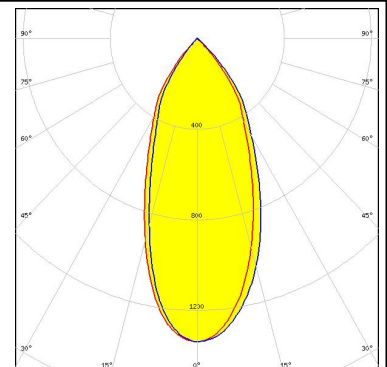
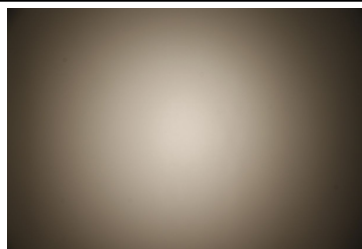
LED LUXEON S1000
 FWHM 34.0°
 Efficiency 84 %
 Peak intensity 1.700 cd/lm
 Required components:
 C13333_MIRELLA-CL



LED CXM-9
 FWHM 48.0°
 Efficiency 83 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13333_MIRELLA-CL



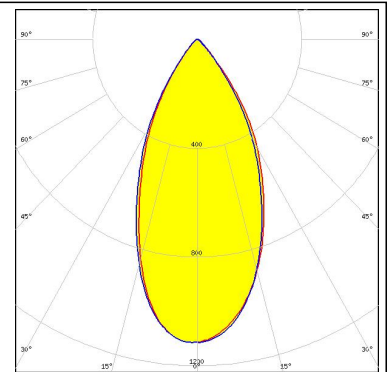
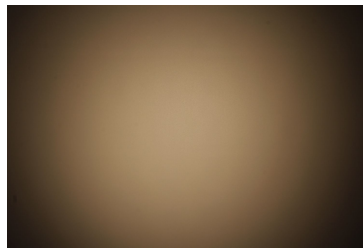
LED CXM-9
 FWHM 43.0°
 Efficiency 89 %
 Peak intensity 1.300 cd/lm
 Required components:



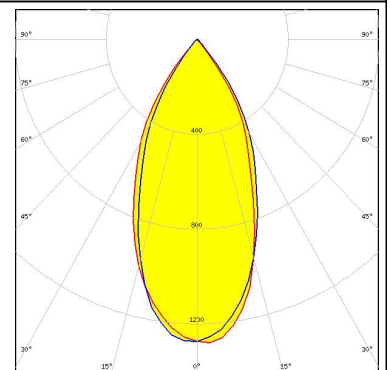
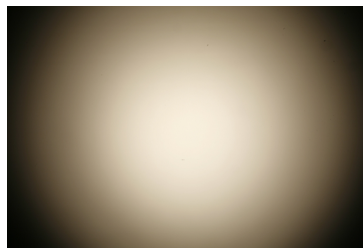
PHOTOMETRIC DATA (MEASURED):



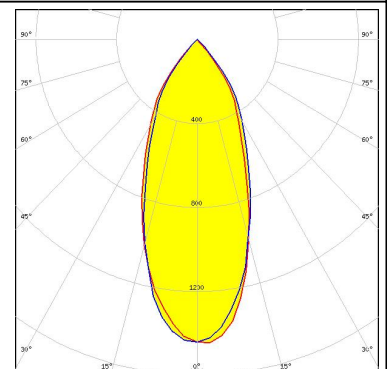
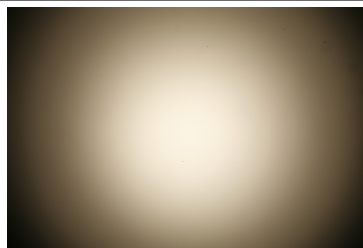
LED CXM-9
 FWHM 49.0°
 Efficiency 83 %
 Peak intensity 1.100 cd/lm
 Required components:
 C12479_MIRELLA-DL



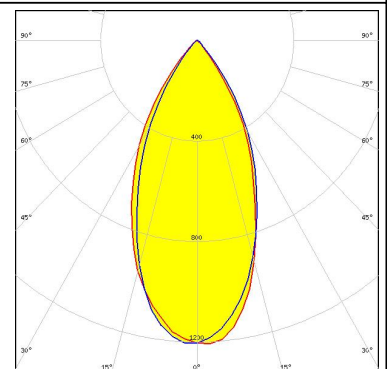
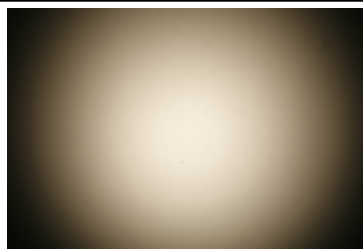
LED COB L-Type (LES 9)
 FWHM 47.0°
 Efficiency 85 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13333_MIRELLA-CL



LED COB L-Type (LES 9)
 FWHM 42.0°
 Efficiency 89 %
 Peak intensity 1.400 cd/lm
 Required components:



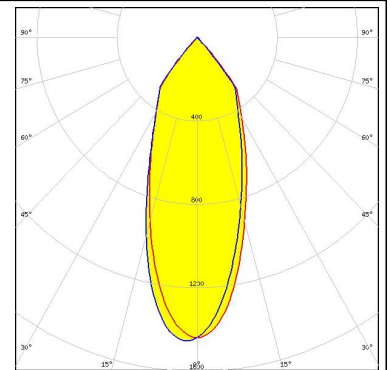
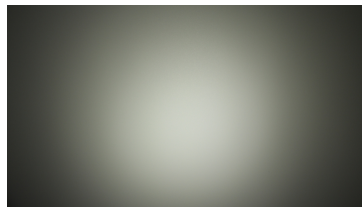
LED COB L-Type (LES 9)
 FWHM 48.0°
 Efficiency 83 %
 Peak intensity 1.200 cd/lm
 Required components:
 C12479_MIRELLA-DL



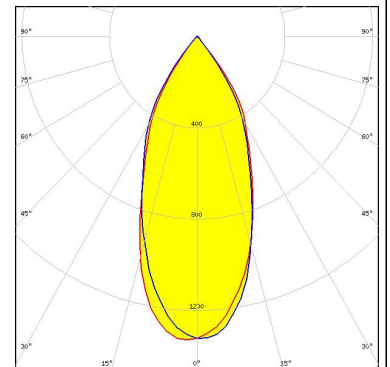
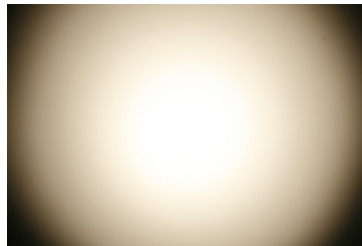
PHOTOMETRIC DATA (MEASURED):



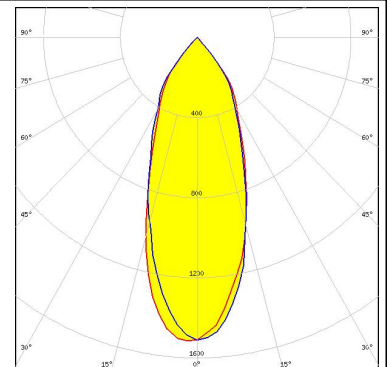
LED NFMW48xA
FWHM 38.0°
Efficiency 88 %
Peak intensity 1.500 cd/lm
Required components:



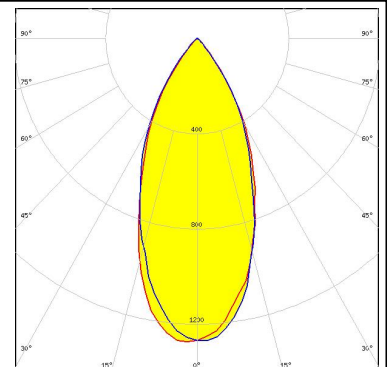
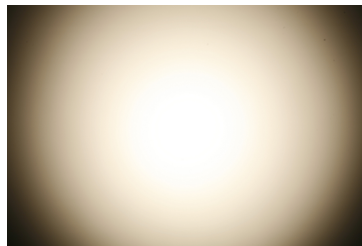
LED NSCxL036A
FWHM 44.0°
Efficiency 83 %
Peak intensity 1.300 cd/lm
Required components:
C13333_MIRELLA-CL



LED NSCxL036A
FWHM 40.0°
Efficiency 87 %
Peak intensity 1.500 cd/lm
Required components:



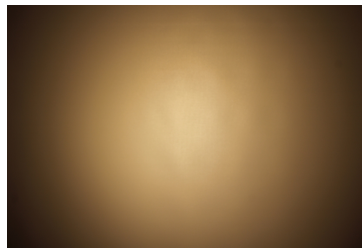
LED NSCxL036A
FWHM 46.0°
Efficiency 83 %
Peak intensity 1.300 cd/lm
Required components:
C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

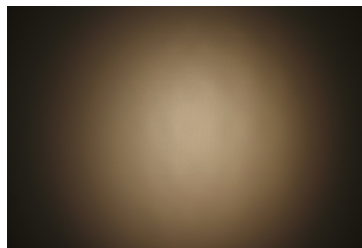
OSRAM
Opto Semiconductors

LED Duris S10
FWHM 45.0°
Efficiency 82 %
Peak intensity 1.300 cd/lm
Required components:
C13333_MIRELLA-CL



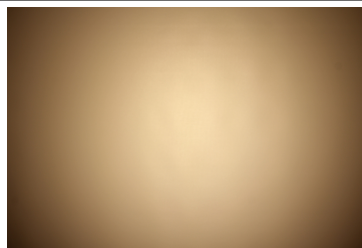
OSRAM
Opto Semiconductors

LED Duris S10
FWHM 40.0°
Efficiency 87 %
Peak intensity 1.500 cd/lm
Required components:



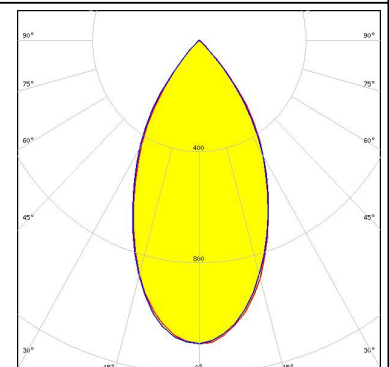
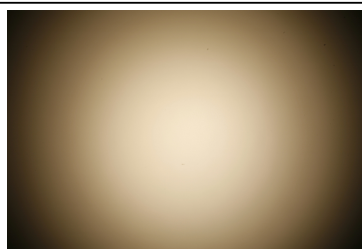
OSRAM
Opto Semiconductors

LED Duris S10
FWHM 49.0°
Efficiency 79 %
Peak intensity 1.100 cd/lm
Required components:
C12479_MIRELLA-DL

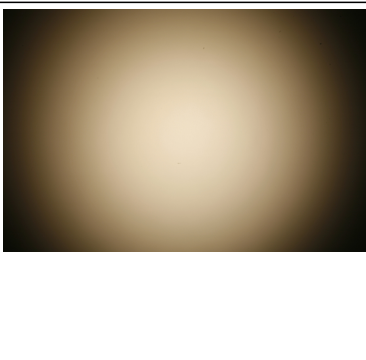
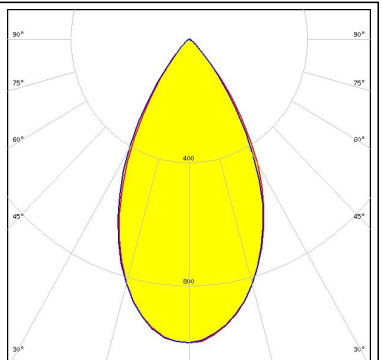

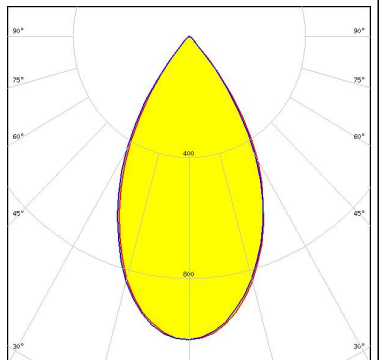

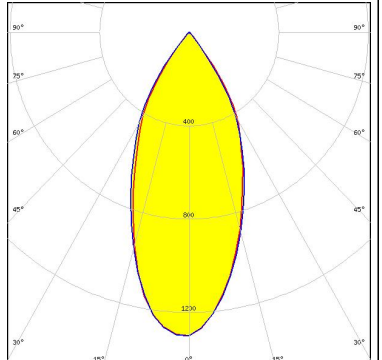

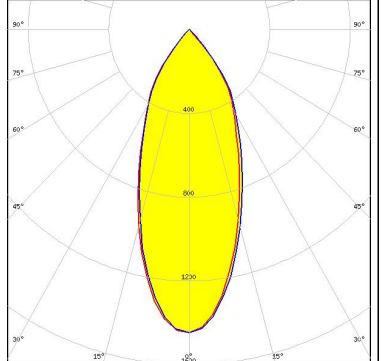


OSRAM
Opto Semiconductors



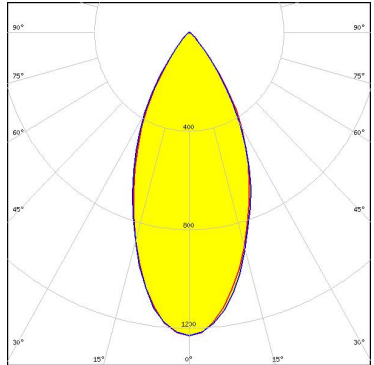
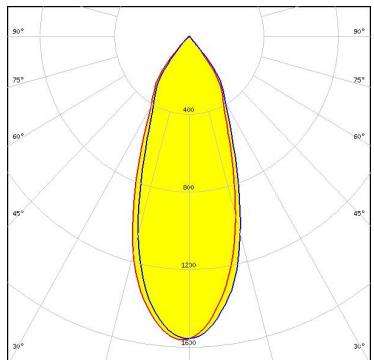
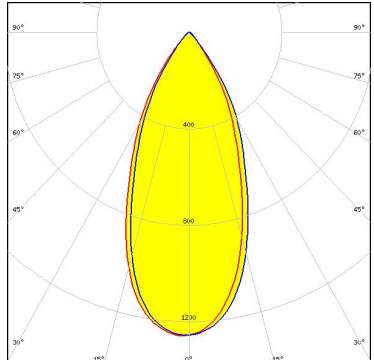
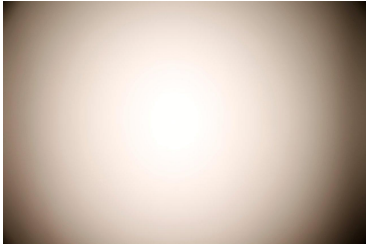
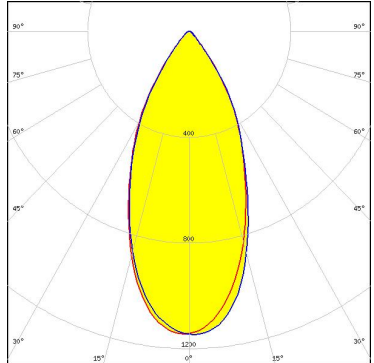
LED Soleriq S13
FWHM 55.0°
Efficiency 85 %
Peak intensity cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S13 FWHM 57.0° Efficiency 81 % Peak intensity 1.000 cd/lm Required components: C12479_MIRELLA-DL</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S13 FWHM 57.0° Efficiency 80 % Peak intensity 1.000 cd/lm Required components: C13333_MIRELLA-CL</p>		
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM 46.0° Efficiency 80 % Peak intensity 1.300 cd/lm Required components: C13333_MIRELLA-CL</p>		
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM 42.0° Efficiency 86 % Peak intensity 1.400 cd/lm Required components:</p>		

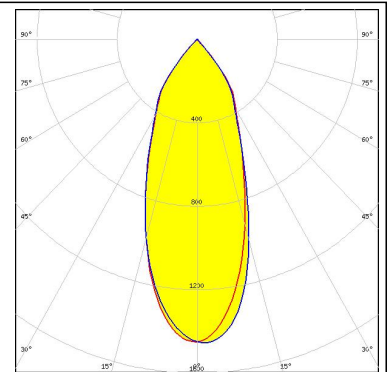
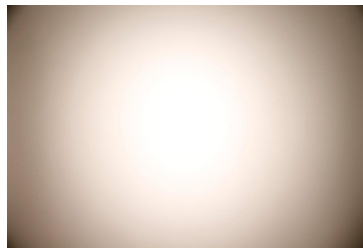
PHOTOMETRIC DATA (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM 48.0° Efficiency 81 % Peak intensity 1.200 cd/lm Required components: C12479_MIRELLA-DL</p>		
<p>SHARP</p> <p>LED Mini Zenigata (GW5BM) FWHM 39.0° Efficiency 89 % Peak intensity 1.500 cd/lm Required components:</p>		
<p>SHARP</p> <p>LED Mini Zenigata (GW5BM) FWHM 45.0° Efficiency 84 % Peak intensity 1.260 cd/lm Required components: C12479_MIRELLA-DL</p>		
<p>SHARP</p> <p>LED Mini Zenigata (GW6BM) FWHM 45.0° Efficiency 81 % Peak intensity 1.100 cd/lm Required components: C12479_MIRELLA-DL</p>		

PHOTOMETRIC DATA (MEASURED):

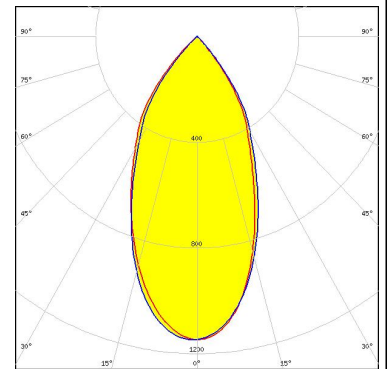
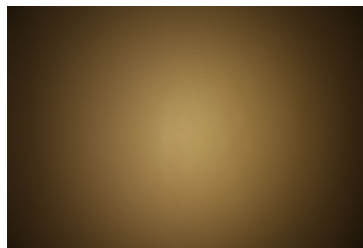
SHARP

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



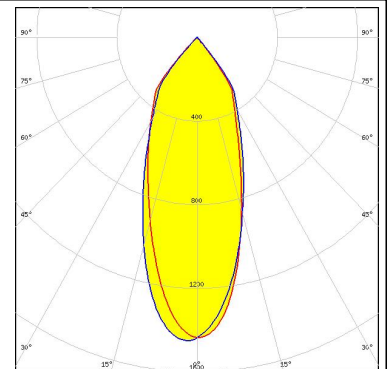
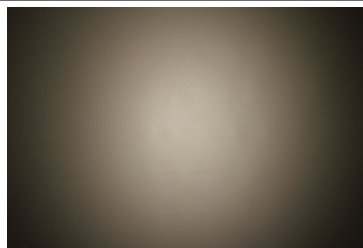
TRIDONIC

LED SLE G5 LES11
FWHM 49.0°
Efficiency 86 %
Peak intensity 1.150 cd/lm
Required components:



TRIDONIC

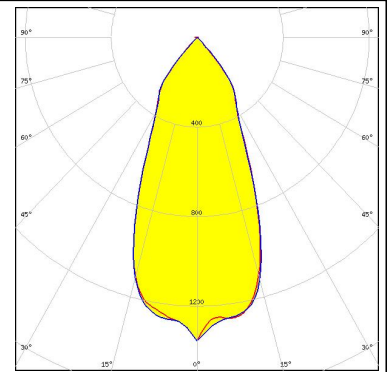
LED SLE G5 LES6
FWHM 39.0°
Efficiency 88 %
Peak intensity 1.450 cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):

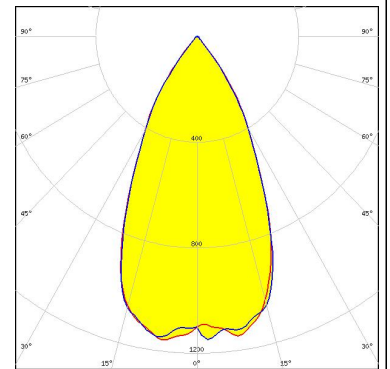
OSRAM
Opto Semiconductors

LED OSCONIQ P 7070
FWHM 45.0°
Efficiency 91 %
Peak intensity 1.400 cd/lm
Required components:



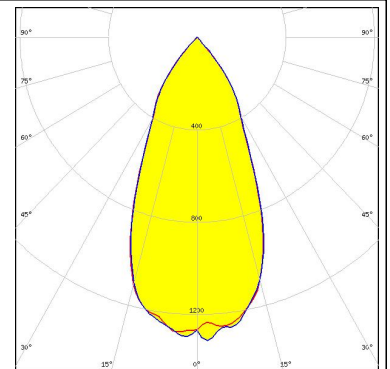
OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM 50.0°
Efficiency 87 %
Peak intensity 1.200 cd/lm
Required components:
C13333_MIRELLA-CL



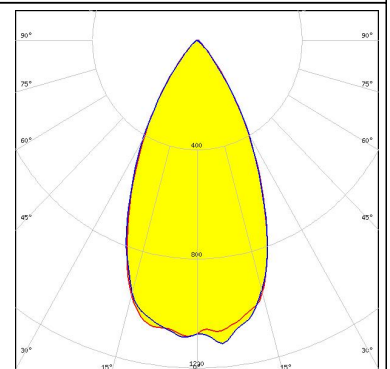
OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM 47.0°
Efficiency 91 %
Peak intensity 1.300 cd/lm
Required components:



OSRAM
Opto Semiconductors

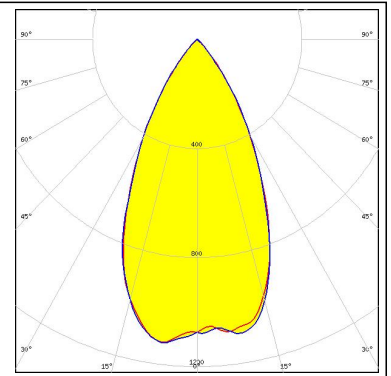
LED Soleriq S9
FWHM 51.0°
Efficiency 85 %
Peak intensity 1.100 cd/lm
Required components:
C13723_MIRELLA-RZL



PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM 51.0°
Efficiency 85 %
Peak intensity 1.100 cd/lm
Required components:
C12479_MIRELLA-DL



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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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

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