



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-PIN

~40° wide beam

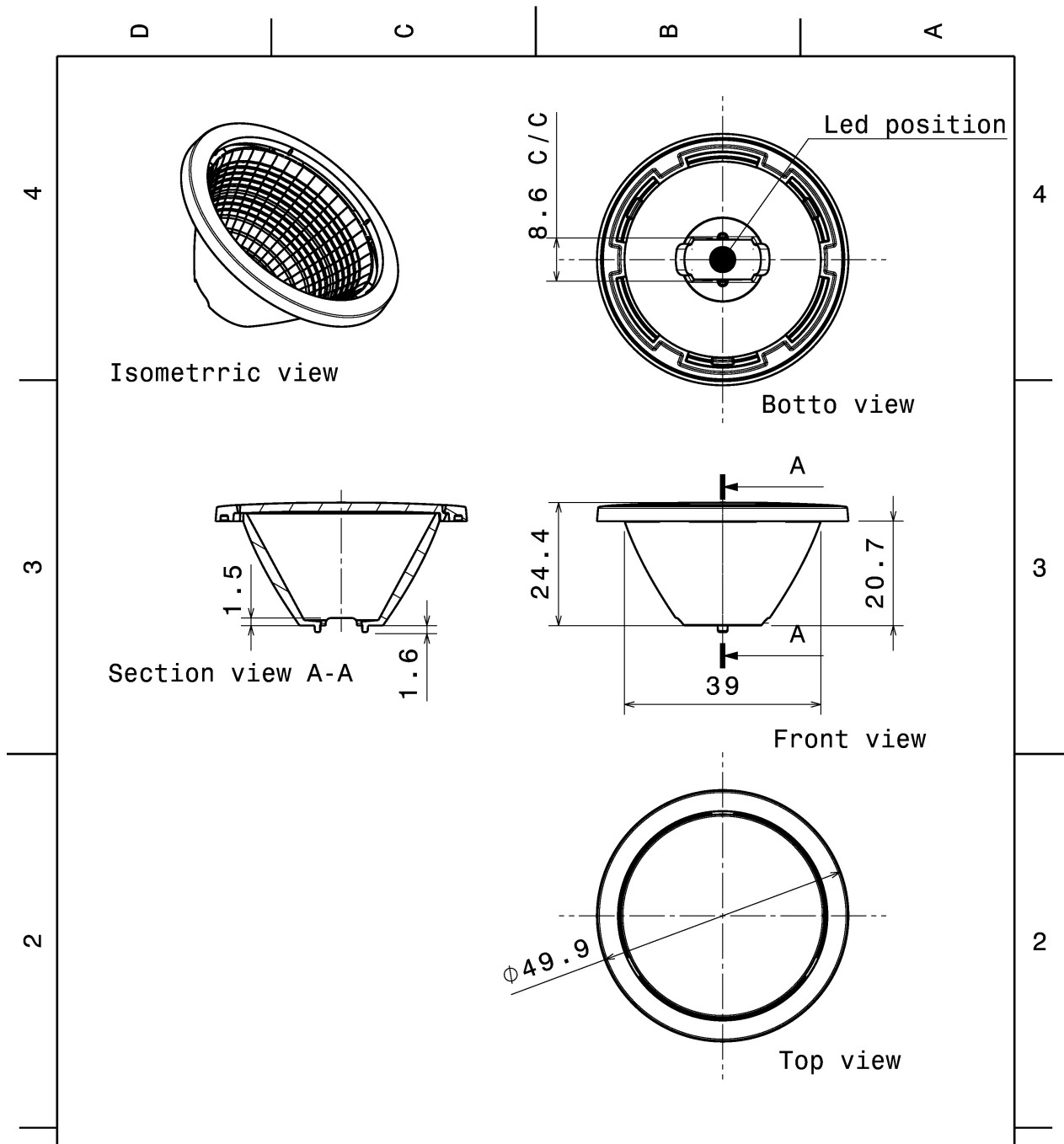
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.9 mm
Height	23.9 mm
Fastening	pin
Colour	metal
Box size	480 x 280 x 300 mm
Box weight	2.7 kg
Quantity in Box	336 pcs
ROHS compliant	yes ⓘ




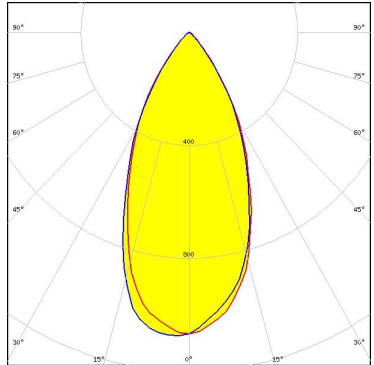
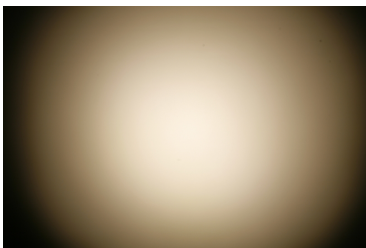
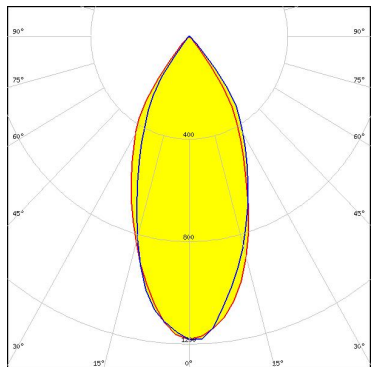

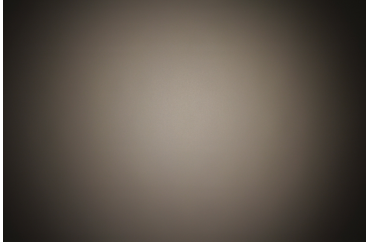
MATERIAL SPECIFICATIONS:

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



<p>Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class M, otherwise class C. According to DIN ISO 2768-2 Form and position: class L</p> <p>THIRD ANGLE PROJECTION: </p> <p>This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."</p>	LEDiL		Ledit Oy Salorankatu 10 FIN 24240 SALO Finland	
	DRAWING TITLE			
	Datasheet_Mirella_pin			
	SIZE	PART NUMBER		
A4	-			
SCALE	1:1	WEIGHT	-	SHEET 1/1

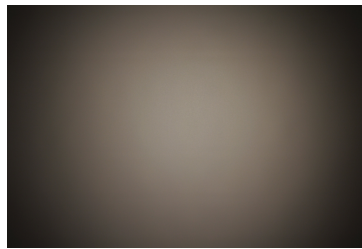
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED SM4 FWHM 49.0° Efficiency 77 % Peak intensity 1.080 cd/lm Required components: C12479_MIRELLA-DL</p>		
<p>bridgelux.</p> <p>LED SM4 FWHM 44.0° Efficiency 78 % Peak intensity 1.200 cd/lm Required components: C13333_MIRELLA-CL</p>		
<p>CREE ⇄</p> <p>LED MHB-A/B FWHM 49.0° Efficiency 82 % Peak intensity 1.240 cd/lm Required components: C13333_MIRELLA-CL</p>		
<p>CREE ⇄</p> <p>LED MHB-A/B FWHM 45.0° Efficiency 87 % Peak intensity 1.370 cd/lm Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

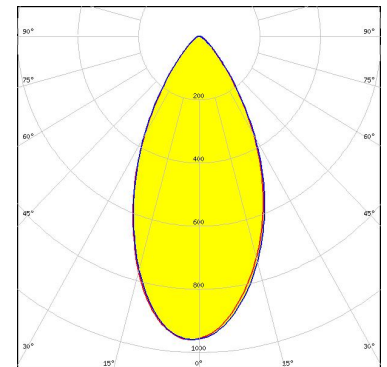
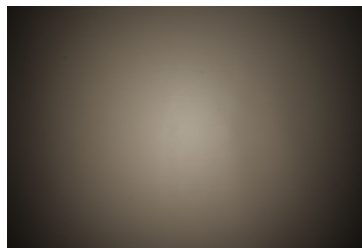
CREE 

LED MHB-A/B
FWHM 51.0°
Efficiency 82 %
Peak intensity 1.170 cd/lm
Required components:
C12479_MIRELLA-DL



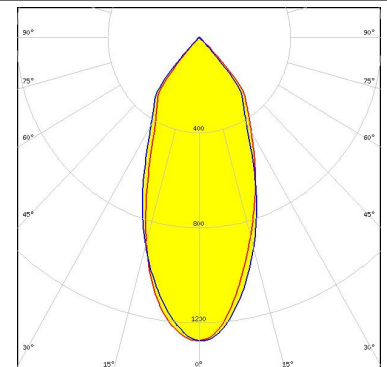
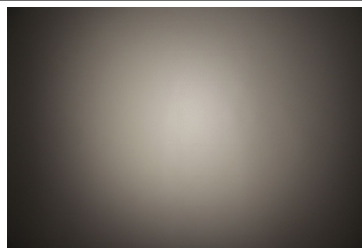
CREE 

LED XHP50
FWHM 51.0°
Efficiency 81 %
Peak intensity 0.960 cd/lm
Required components:
C13723_MIRELLA-RZL



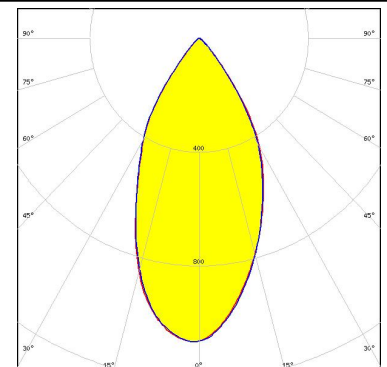
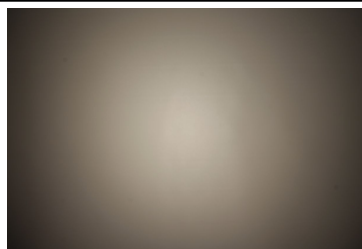
CREE 

LED XHP50
FWHM 44.0°
Efficiency 89 %
Peak intensity 1.300 cd/lm
Required components:



CREE 

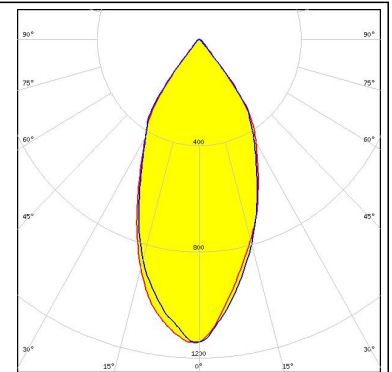
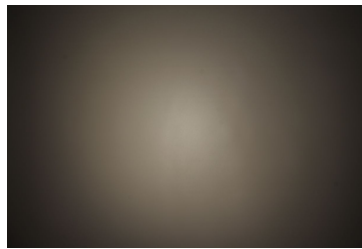
LED XHP50
FWHM 51.0°
Efficiency 84 %
Peak intensity 1.100 cd/lm
Required components:
C12479_MIRELLA-DL



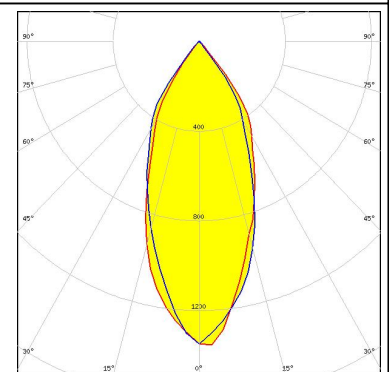
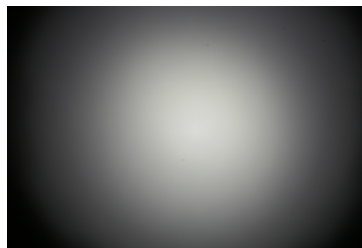
PHOTOMETRIC DATA (MEASURED):



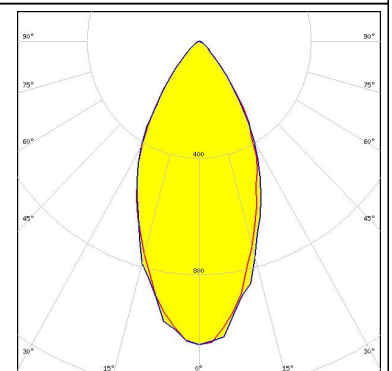
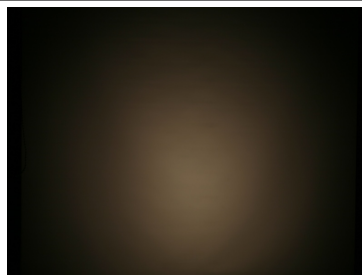
LED XHP50
 FWHM 48.0°
 Efficiency 83 %
 Peak intensity 1.100 cd/lm
 Required components:
 C13333_MIRELLA-CL



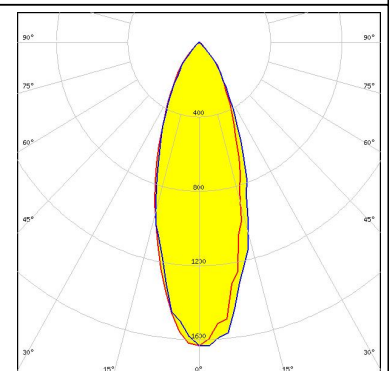
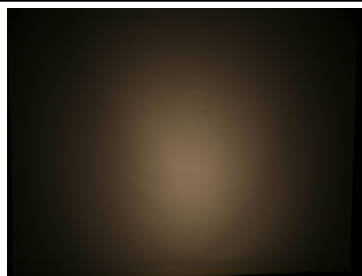
LED XM-L
 FWHM 45.0°
 Efficiency 86 %
 Peak intensity 1.400 cd/lm
 Required components:
 C13333_MIRELLA-CL



LED XM-L
 FWHM 46.0°
 Efficiency 80 %
 Peak intensity 1.000 cd/lm
 Required components:
 C12479_MIRELLA-DL



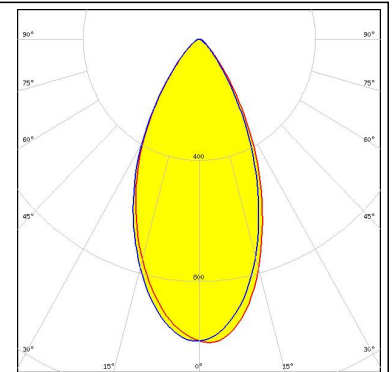
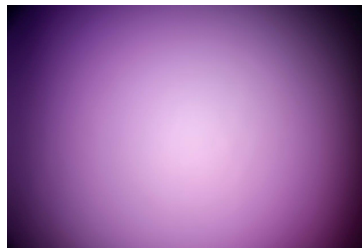
LED XM-L
 FWHM 32.0°
 Efficiency 88 %
 Peak intensity 1.630 cd/lm
 Required components:



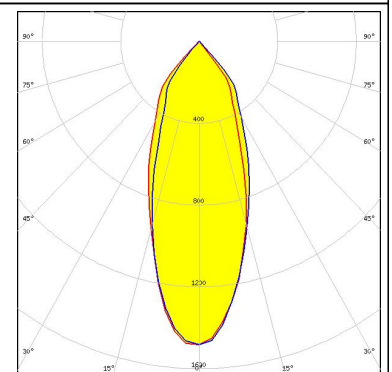
PHOTOMETRIC DATA (MEASURED):



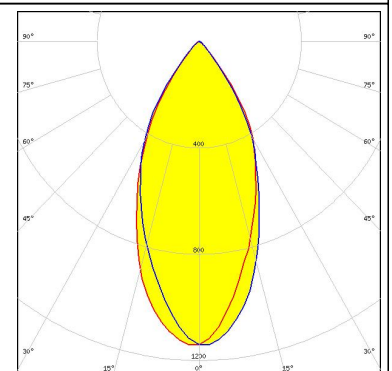
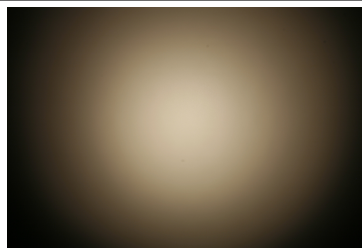
LED XM-L RGB
 FWHM 50.0°
 Efficiency 81 %
 Peak intensity 1.000 cd/lm
 Required components:
 C13723_MIRELLA-RZL



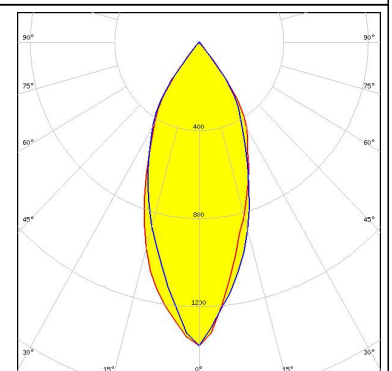
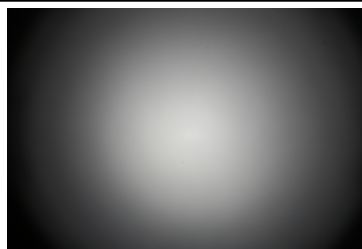
LED XM-L2
 FWHM 39.0°
 Efficiency 89 %
 Peak intensity 1.500 cd/lm
 Required components:



LED XM-L2
 FWHM 49.0°
 Efficiency 81 %
 Peak intensity 1.100 cd/lm
 Required components:
 C12479_MIRELLA-DL



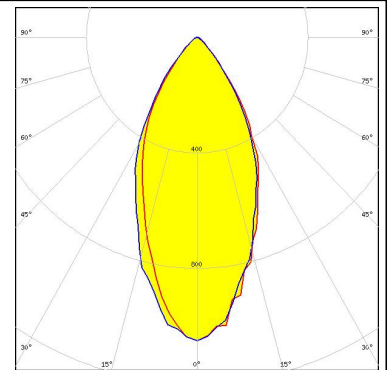
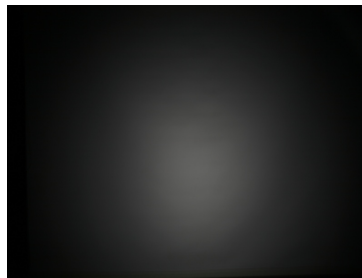
LED XP-G
 FWHM 41.0°
 Efficiency 81 %
 Peak intensity 1.400 cd/lm
 Required components:
 C13333_MIRELLA-CL



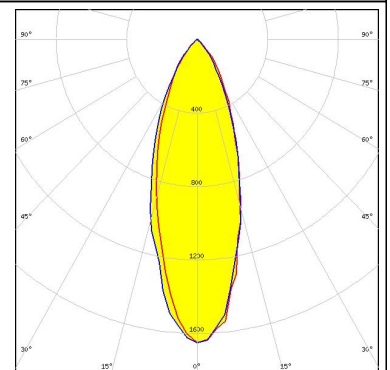
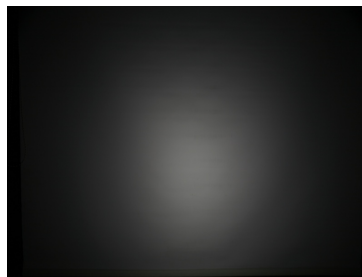
PHOTOMETRIC DATA (MEASURED):



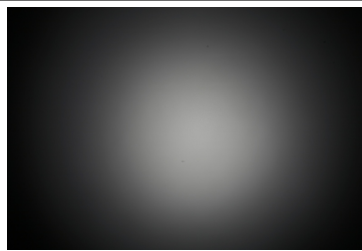
LED XP-G
FWHM 50.0°
Efficiency 80 %
Peak intensity 1.050 cd/lm
Required components:
C12479_MIRELLA-DL



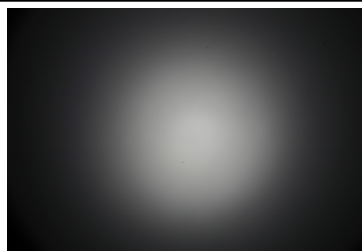
LED XP-G
FWHM 34.0°
Efficiency 86 %
Peak intensity 1.700 cd/lm
Required components:



LED XP-G2
FWHM 45.0°
Efficiency 83 %
Peak intensity 1.300 cd/lm
Required components:
C12479_MIRELLA-DL



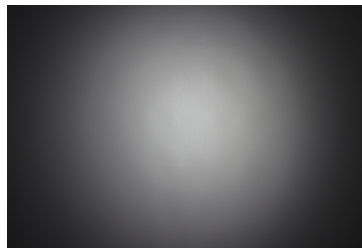
LED XP-G2
FWHM 36.0°
Efficiency 88 %
Peak intensity 1.700 cd/lm
Required components:



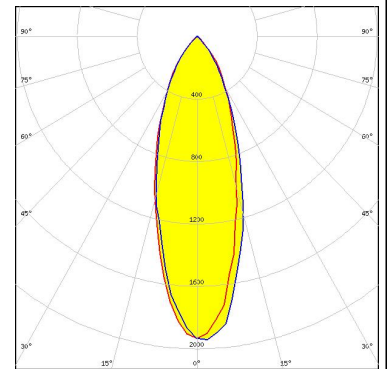
PHOTOMETRIC DATA (MEASURED):



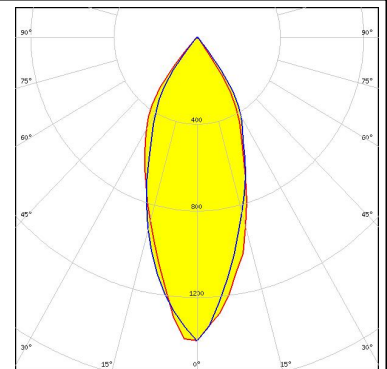
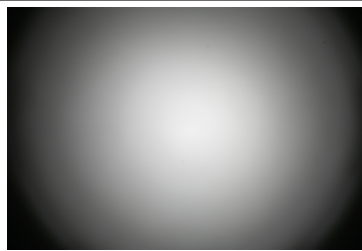
LED XP-L HI
FWHM 35.0°
Efficiency 87 %
Peak intensity 1.700 cd/lm
Required components:



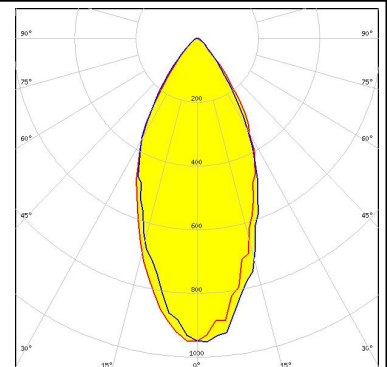
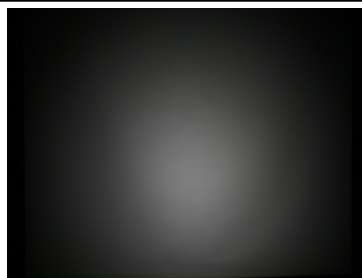
LED XT-E
FWHM 31.0°
Efficiency 84 %
Peak intensity 1.200 cd/lm
Required components:



LED XT-E
FWHM 41.0°
Efficiency 83 %
Peak intensity 1.400 cd/lm
Required components:
C13333_MIRELLA-CL



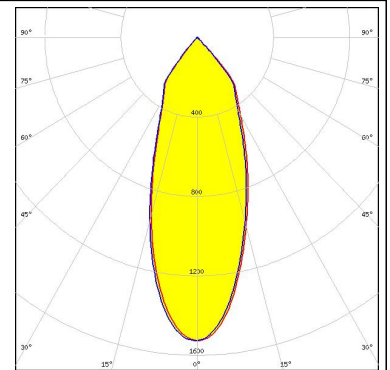
LED XT-E
FWHM 46.0°
Efficiency 77 %
Peak intensity 0.950 cd/lm
Required components:
C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

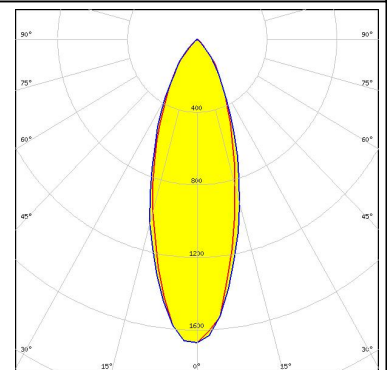
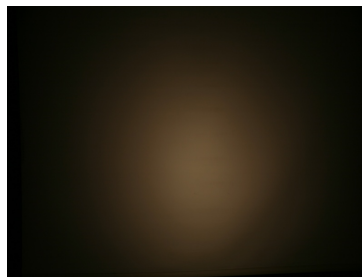
LUMILEDS

LED LUXEON 5050
 FWHM 38.0°
 Efficiency 89 %
 Peak intensity 1.500 cd/lm
 Required components:



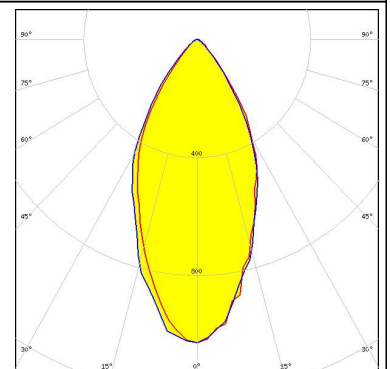
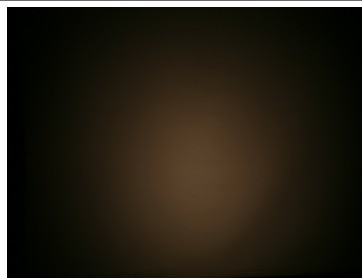
LUMILEDS

LED LUXEON A
 FWHM 30.0°
 Efficiency 86 %
 Peak intensity 1.670 cd/lm
 Required components:



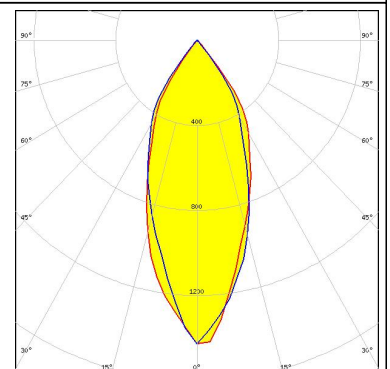
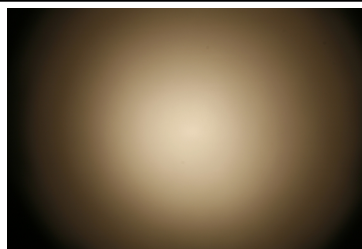
LUMILEDS

LED LUXEON A
 FWHM 48.0°
 Efficiency 80 %
 Peak intensity 1.030 cd/lm
 Required components:
 C12479_MIRELLA-DL



LUMILEDS

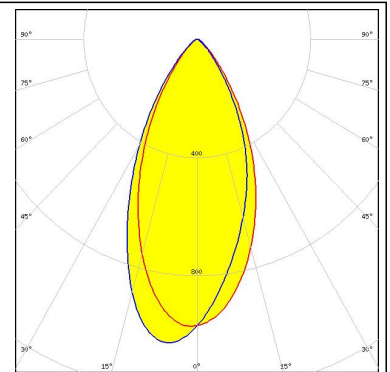
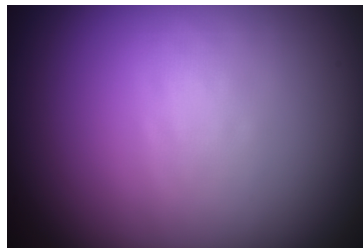
LED LUXEON A
 FWHM 41.0°
 Efficiency 84 %
 Peak intensity 1.400 cd/lm
 Required components:
 C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

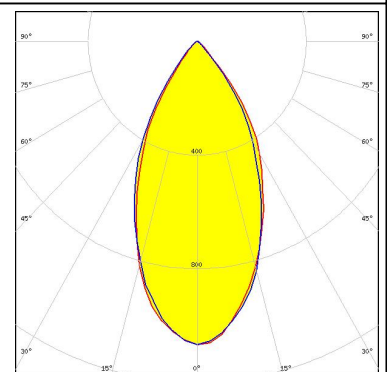
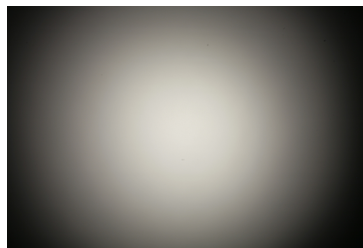
LUMILEDS

LED LUXEON C RGBW
FWHM 47.0°
Efficiency 77 %
Peak intensity 1.030 cd/lm
Required components:
C13723_MIRELLA-RZL



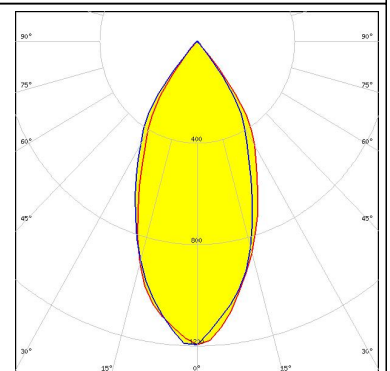
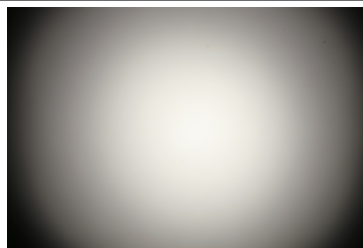
LUMILEDS

LED LUXEON M/MX
FWHM 54.0°
Efficiency 80 %
Peak intensity 0.980 cd/lm
Required components:
C12479_MIRELLA-DL



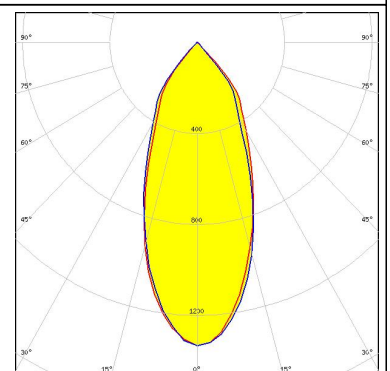
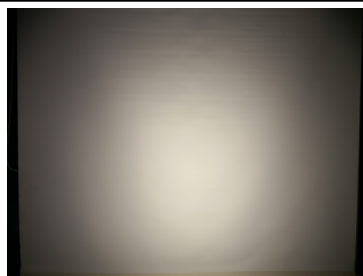
LUMILEDS

LED LUXEON M/MX
FWHM 47.0°
Efficiency 83 %
Peak intensity 1.200 cd/lm
Required components:
C13333_MIRELLA-CL



LUMILEDS

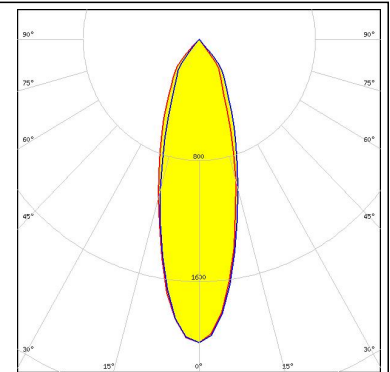
LED LUXEON M/MX
FWHM 39.0°
Efficiency 87 %
Peak intensity 1.400 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

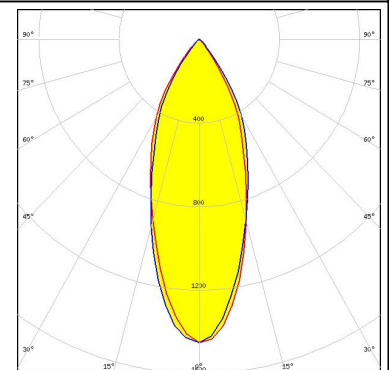
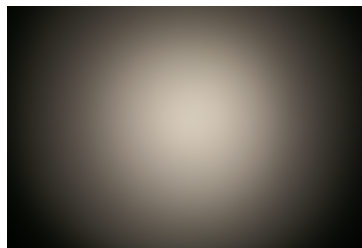
LUMILEDS

LED LUXEON MZ
FWHM 32.0°
Efficiency 87 %
Peak intensity 2.000 cd/lm
Required components:



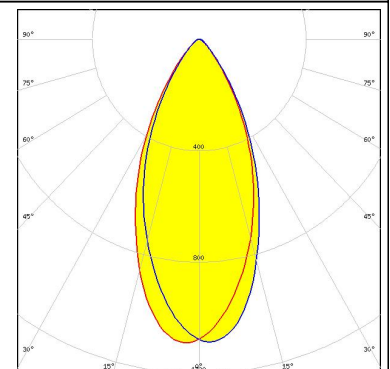
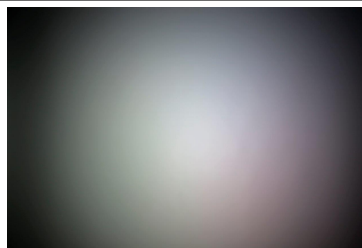
LUMILEDS

LED LUXEON MZ
FWHM 40.0°
Efficiency 82 %
Peak intensity 1.500 cd/lm
Required components:
C12479_MIRELLA-DL



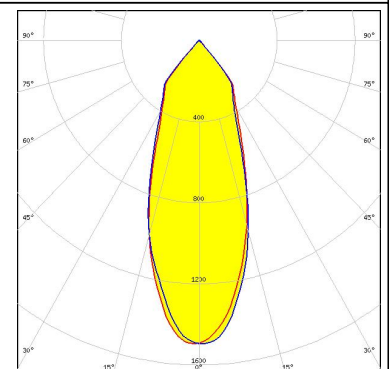
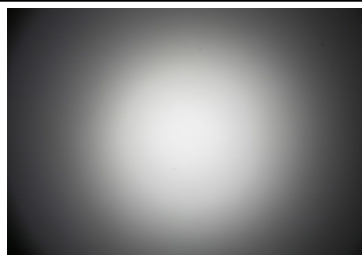
LUMILEDS

LED LUXEON Z RGB
FWHM 46.0°
Efficiency 80 %
Peak intensity 1.100 cd/lm
Required components:
C13723_MIRELLA-RZL

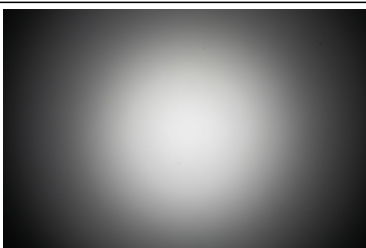
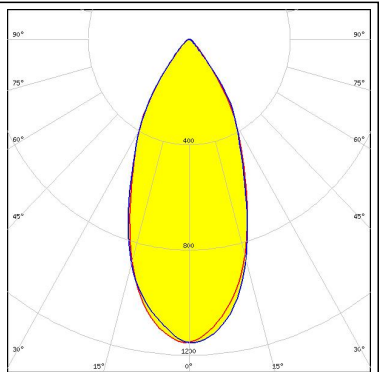

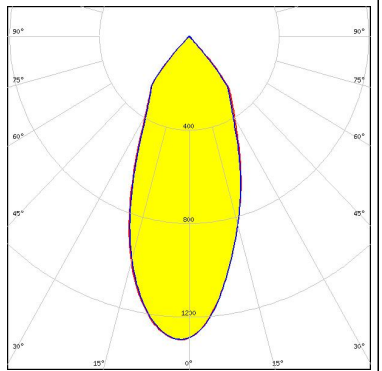
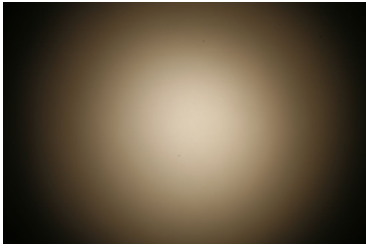
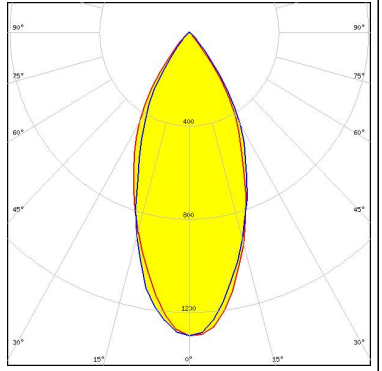
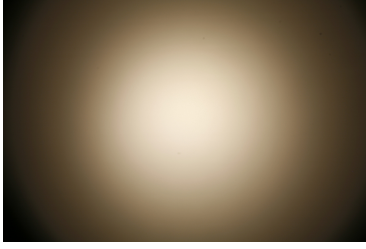
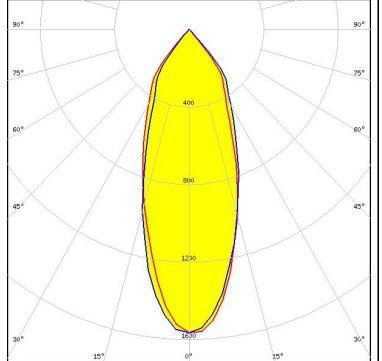


NICHIA

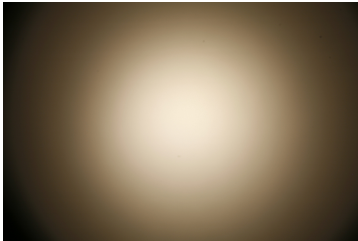
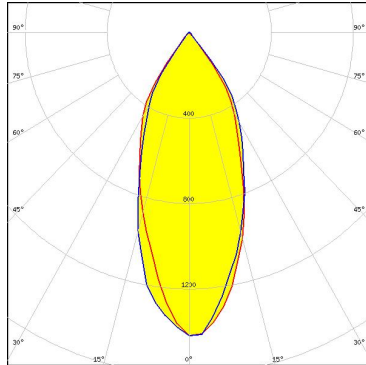
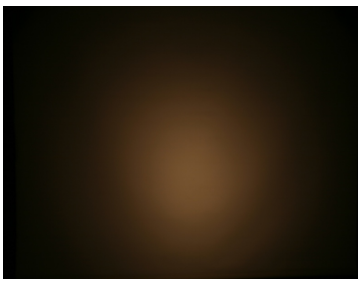
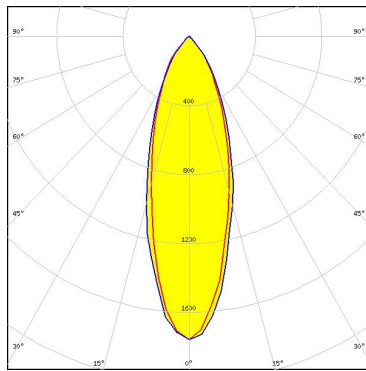

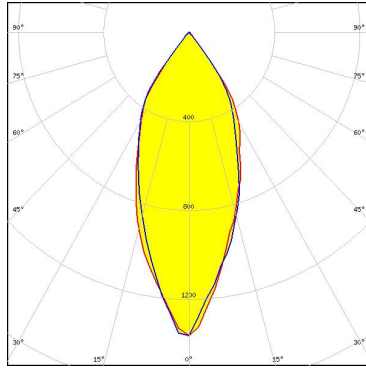
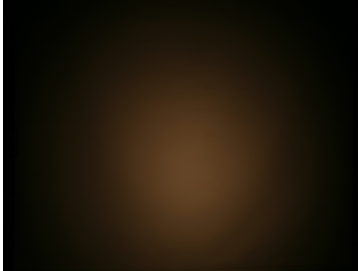
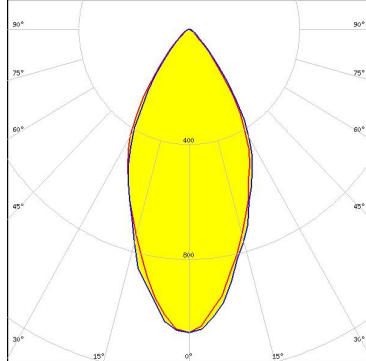
LED NS9x383
FWHM 39.0°
Efficiency 89 %
Peak intensity 1.500 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NS9x383 FWHM 46.0° Efficiency 83 % Peak intensity 1.150 cd/lm Required components: C12479_MIRELLA-DL</p>		
<p>NICHIA</p> <p>LED NV4x144A FWHM 43.0° Efficiency 87 % Peak intensity 1.300 cd/lm Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S8 FWHM 44.0° Efficiency 83 % Peak intensity 1.300 cd/lm Required components: C12479_MIRELLA-DL</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S8 FWHM 39.0° Efficiency 88 % Peak intensity 1.600 cd/lm Required components:</p>		

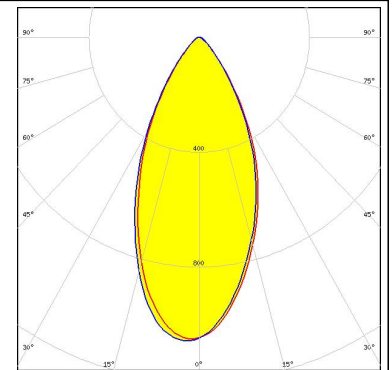
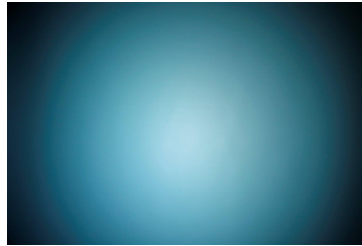
PHOTOMETRIC DATA (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED Duris S8 FWHM 42.0° Efficiency 84 % Peak intensity 1.400 cd/lm Required components: C13333_MIRELLA-CL</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Oslon Square EC FWHM 32.0° Efficiency 85 % Peak intensity 1.760 cd/lm Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Oslon Square EC FWHM 41.0° Efficiency 83 % Peak intensity 1.400 cd/lm Required components: C13333_MIRELLA-CL</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Oslon Square EC FWHM 50.0° Efficiency 79 % Peak intensity 1.060 cd/lm Required components: C12479_MIRELLA-DL</p>		

PHOTOMETRIC DATA (MEASURED):

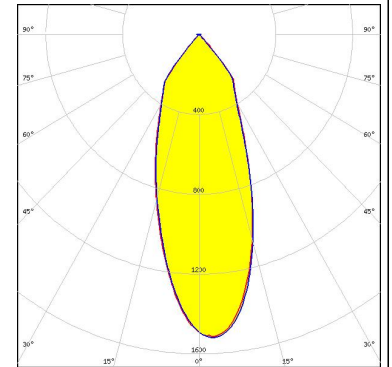
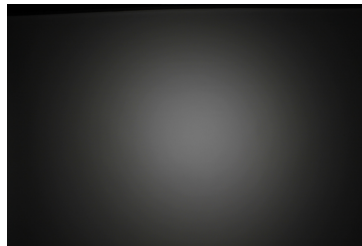
OSRAM
Opto Semiconductors

LED Ostar-SMT RGB
FWHM 48.0°
Efficiency 81 %
Peak intensity 1.100 cd/lm
Required components:
C13723_MIRELLA-RZL



SAMSUNG

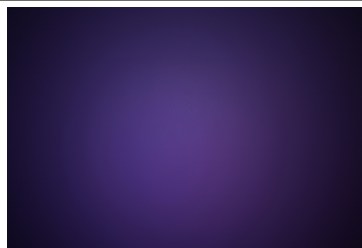
LED LH508A
FWHM 38.0°
Efficiency 87 %
Peak intensity 1.500 cd/lm
Required components:



SEOL

SEOUL SEMICONDUCTOR

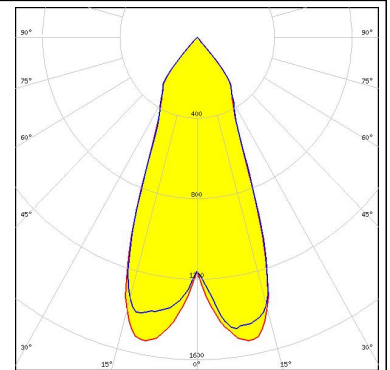
LED F50360 (RGB)
FWHM 46.0°
Efficiency 81 %
Peak intensity 1.200 cd/lm
Required components:
C13723_MIRELLA-RZL



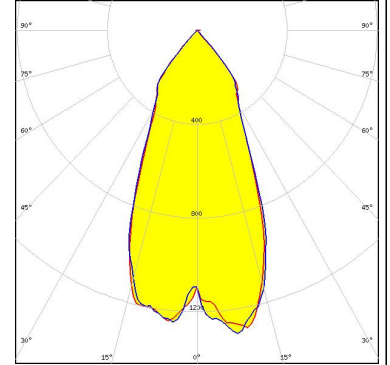
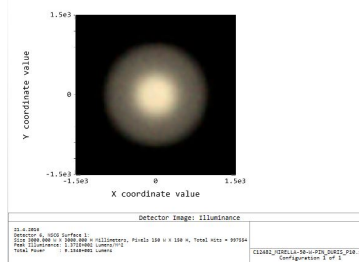
PHOTOMETRIC DATA (SIMULATED):



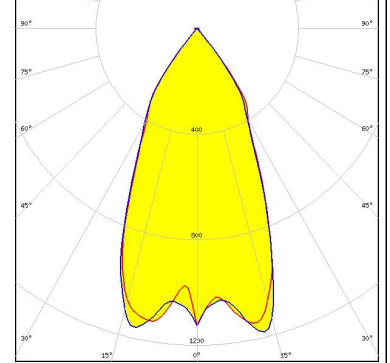
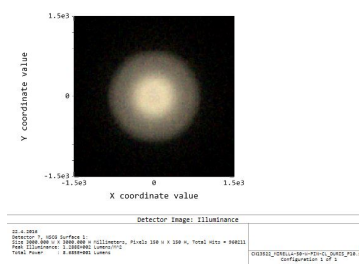
LED LUXEON 5258
 FWHM 41.0°
 Efficiency 91 %
 Peak intensity 1.500 cd/lm
 Required components:



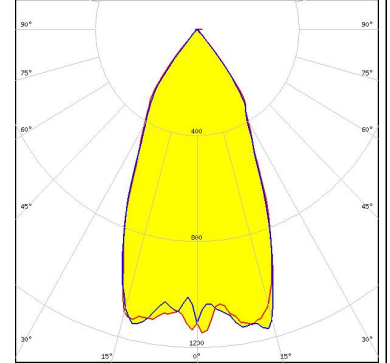
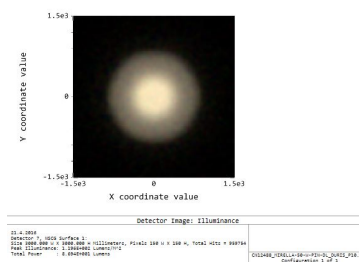
LED OSCONIQ P 7070
 FWHM 45.0°
 Efficiency 91 %
 Peak intensity 1.320 cd/lm
 Required components:



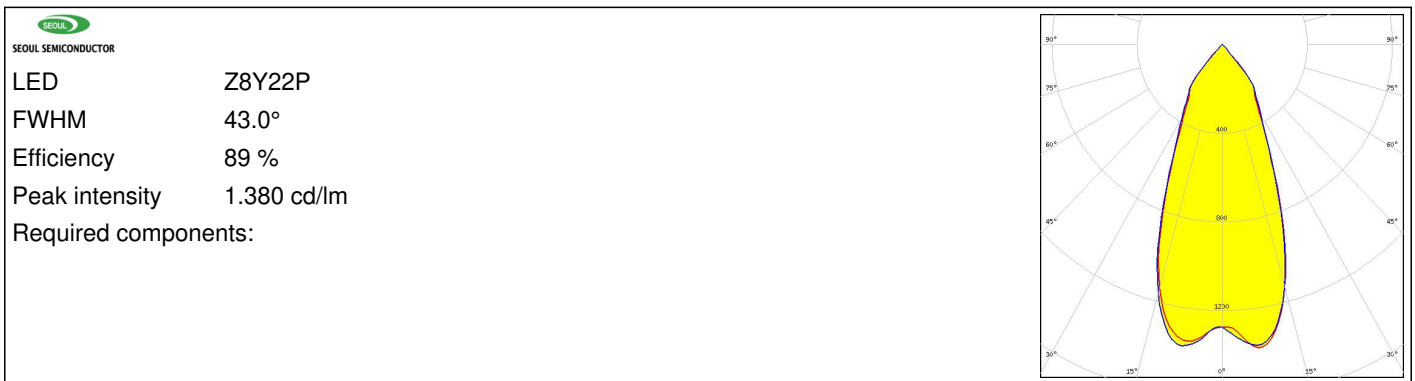
LED OSCONIQ P 7070
 FWHM 46.0°
 Efficiency 87 %
 Peak intensity 1.190 cd/lm
 Required components:
 C13333_MIRELLA-CL



LED OSCONIQ P 7070
 FWHM 50.0°
 Efficiency 87 %
 Peak intensity 1.200 cd/lm
 Required components:
 C12479_MIRELLA-DL



PHOTOMETRIC DATA (SIMULATED):



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.

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)