

MIRELLA-50-S-PIN

~15° spot beam

SPECIFICATION:

Dimensions	Ø 49.9 mm
Height	23.9 mm
Fastening	pin
ROHS compliant	yes ⓘ

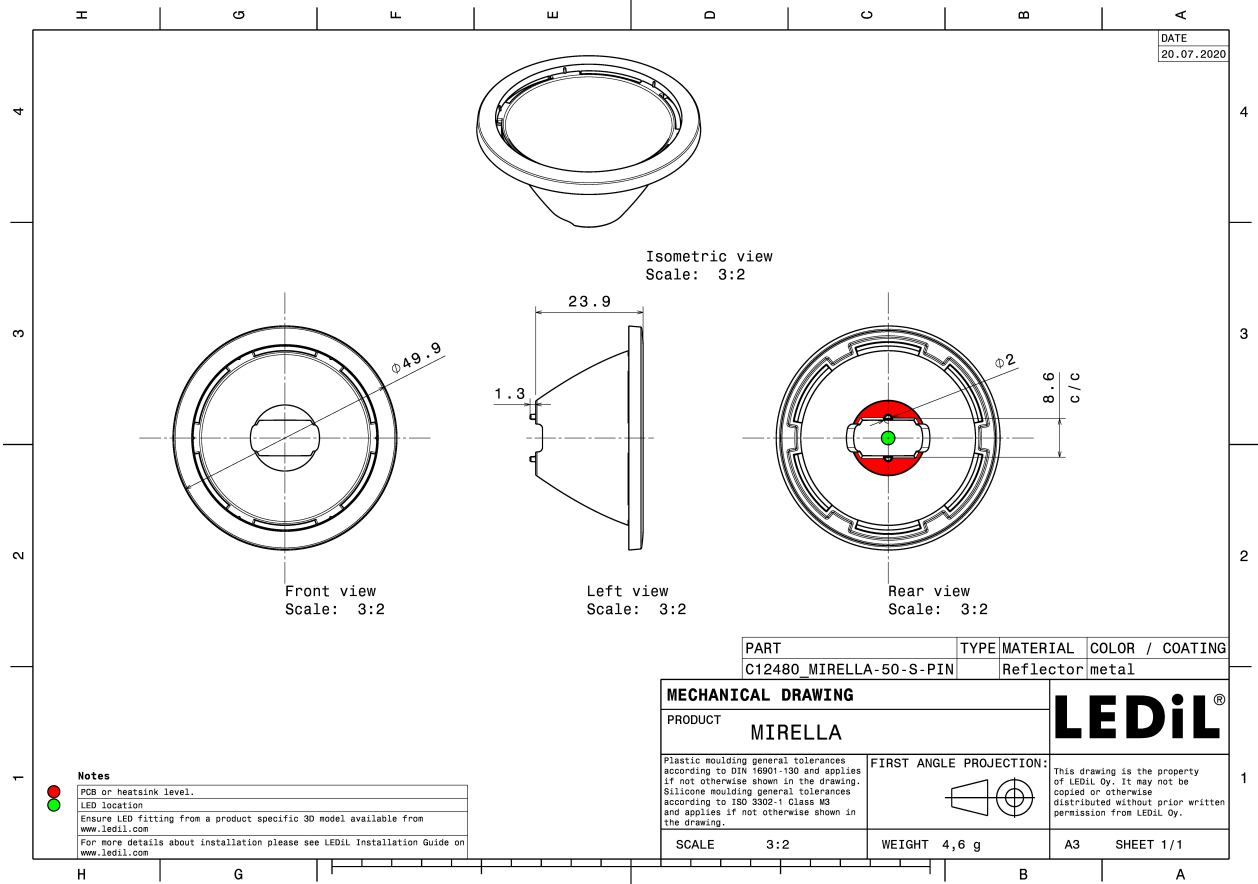
MATERIALS:

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







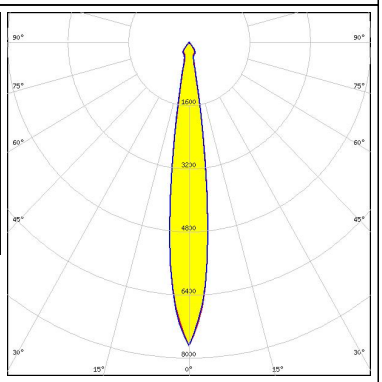




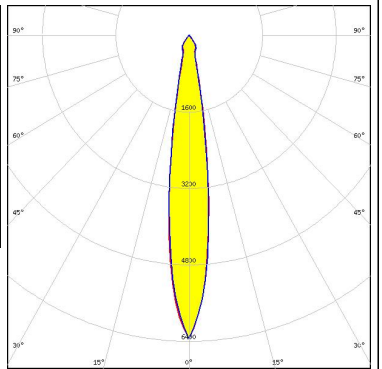
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12480_MIRELLA-50-S-PIN » Box size: 480 x 280 x 300 mm	336	112	28	3.0



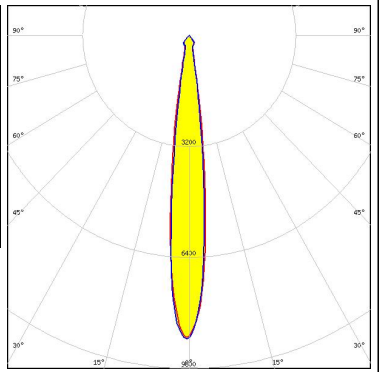


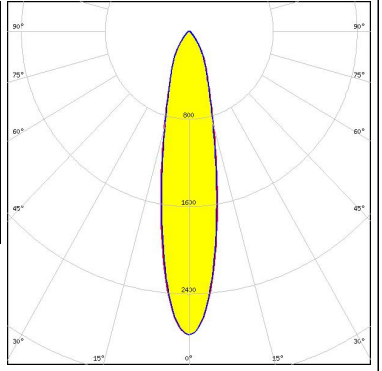


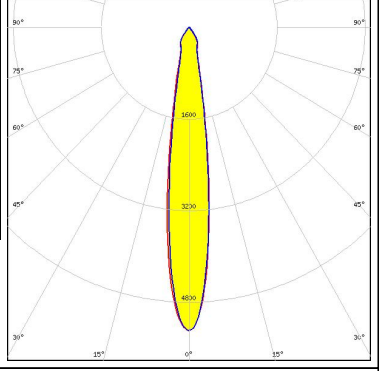


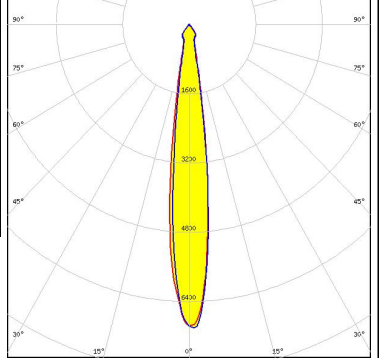


See also our general installation guide: www.ledil.com/installation_guide



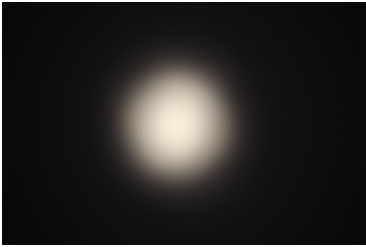
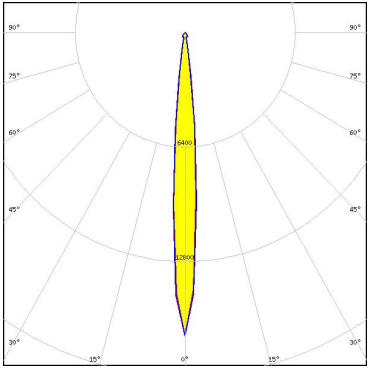
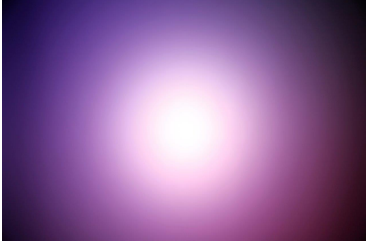
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED SM4 FWHM / FWTM 15.0° / 32.0° Efficiency 81 % Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL</p>		
<p></p> <p>LED MHB-A/B FWHM / FWTM 16.0° / 32.0° Efficiency 85 % Peak intensity 7 cd/lm LEDs/each optic 1 Light colour White Required components: C13333_MIRELLA-CL</p>		
<p></p> <p>LED MHB-A/B FWHM / FWTM 14.0° / 28.0° Efficiency 90 % Peak intensity 9.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p></p> <p>LED MHB-A/B FWHM / FWTM 17.0° / 38.0° Efficiency 85 % Peak intensity 5.4 cd/lm LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL</p>		

OPTICAL RESULTS (MEASURED):

<p>CREE  LED</p> <p>LED XHP50 FWHM / FWTM 13.0° / 24.0° Efficiency 93 % Peak intensity 8.8 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE  LED</p> <p>LED XHP50 FWHM / FWTM 22.0° / 60.0° Efficiency 86 % Peak intensity 2.8 cd/m LEDs/each optic 1 Light colour White Required components: C13723_MIRELLA-RZL</p>		
<p>CREE  LED</p> <p>LED XHP50 FWHM / FWTM 16.0° / 35.0° Efficiency 89 % Peak intensity 5.3 cd/m LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL</p>		
<p>CREE  LED</p> <p>LED XHP50 FWHM / FWTM 14.0° / 27.0° Efficiency 88 % Peak intensity 7 cd/m LEDs/each optic 1 Light colour White Required components: C13333_MIRELLA-CL</p>		

OPTICAL RESULTS (MEASURED):

<p>CREE → LED</p> <p>LED XM-L FWHM / FWTM 12.0° / 24.0° Efficiency 85 % Peak intensity 11.4 cd/lm LEDs/each optic 1 Light colour White Required components: C13333_MIRELLA-CL</p>	
<p>CREE → LED</p> <p>LED XM-L FWHM / FWTM 12.0° / 26.0° Efficiency 86 % Peak intensity 8.7 cd/lm LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL</p>	
<p>CREE → LED</p> <p>LED XM-L FWHM / FWTM 8.7° / 18.0° Efficiency 90 % Peak intensity 19.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	 
<p>CREE → LED</p> <p>LED XM-L RGBW (XMLCTW) FWHM / FWTM 21.0° / 58.0° Efficiency 84 % Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour White Required components: C13723_MIRELLA-RZL</p>	

OPTICAL RESULTS (MEASURED):

CREE LED

LED XM-L2
FWHM / FWTM 8.6° / 18.0°
Efficiency 91 %
Peak intensity 18.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE LED

LED XM-L2
FWHM / FWTM 12.0° / 26.0°
Efficiency 86 %
Peak intensity 8.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



CREE LED

LED XP-G
FWHM / FWTM 11.0° / 24.0°
Efficiency 86 %
Peak intensity 10.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



CREE LED

LED XP-G
FWHM / FWTM 8.1° / 16.0°
Efficiency 91 %
Peak intensity 25 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

CREE LED

LED XP-G
 FWHM / FWTM 11.0° / 22.0°
 Efficiency 86 %
 Peak intensity 14.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



CREE LED

LED XP-G2
 FWHM / FWTM 7.9° / 16.0°
 Efficiency 91 %
 Peak intensity 25.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



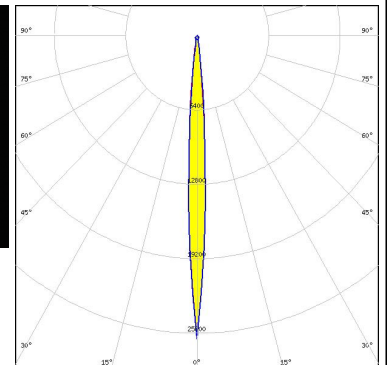
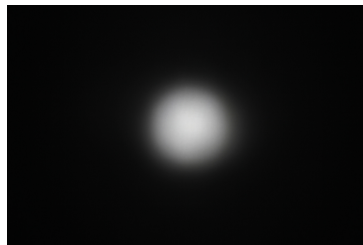
CREE LED

LED XP-G2
 FWHM / FWTM 11.0° / 24.0°
 Efficiency 87 %
 Peak intensity 10.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



CREE LED

LED XP-L HI
 FWHM / FWTM 7.7° / 16.0°
 Efficiency 90 %
 Peak intensity 24.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

CREE LED

LED XT-E
 FWHM / FWTM 10.0° / 22.0°
 Efficiency 84 %
 Peak intensity 14.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



CREE LED

LED XT-E
 FWHM / FWTM 11.0° / 24.0°
 Efficiency 85 %
 Peak intensity 9.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



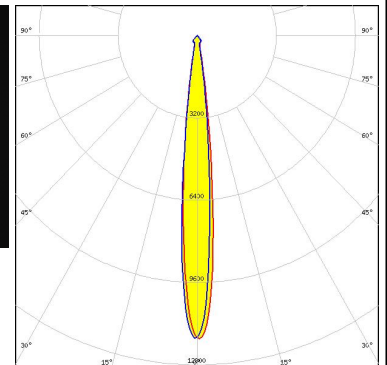
CREE LED

LED XT-E
 FWHM / FWTM 7.6° / 16.0°
 Efficiency 89 %
 Peak intensity 24 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

LED LUXEON 5050 Round LES
 FWHM / FWTM 11.0° / 21.0°
 Efficiency 93 %
 Peak intensity 11.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

LUMILEDS

LED LUXEON A
 FWHM / FWTM 12.0° / 28.0°
 Efficiency 85 %
 Peak intensity 8.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



LUMILEDS

LED LUXEON A
 FWHM / FWTM 10.0° / 22.0°
 Efficiency 85 %
 Peak intensity 14.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



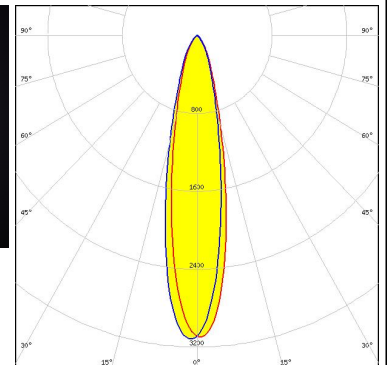
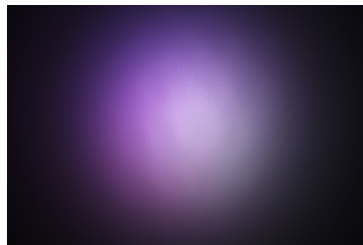
LUMILEDS

LED LUXEON A
 FWHM / FWTM 8.9° / 18.0°
 Efficiency 89 %
 Peak intensity 20.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

LED LUXEON C
 FWHM / FWTM 22.0° / 51.0°
 Efficiency 81 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 4
 Light colour RGBW
 Required components:
 C13723_MIRELLA-RZL



OPTICAL RESULTS (MEASURED):

LUMILEDS

LED LUXEON M/MX
 FWHM / FWTM 15.0° / 34.0°
 Efficiency 86 %
 Peak intensity 5.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL



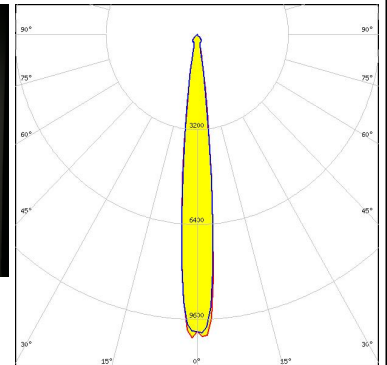
LUMILEDS

LED LUXEON M/MX
 FWHM / FWTM 15.0° / 30.0°
 Efficiency 85 %
 Peak intensity 7.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13333_MIRELLA-CL



LUMILEDS

LED LUXEON M/MX
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 91 %
 Peak intensity 10.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

LED LUXEON MZ
 FWHM / FWTM 8.7° / 18.0°
 Efficiency 90 %
 Peak intensity 19.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

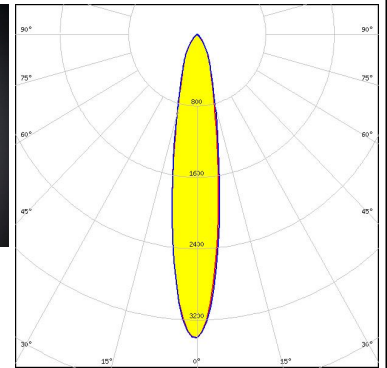
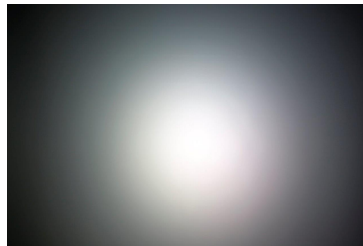
LUMILEDS

LED LUXEON MZ
FWHM / FWTM 11.0° / 26.0°
Efficiency 85 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



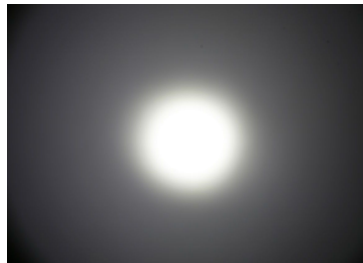
LUMILEDS

LED LUXEON Z
FWHM / FWTM 18.0° / 51.0°
Efficiency 82 %
Peak intensity 3.4 cd/lm
LEDs/each optic 4
Light colour RGBW
Required components:
C13723_MIRELLA-RZL



NICHIA

LED NS9x383
FWHM / FWTM 9.2° / 15.0°
Efficiency 89 %
Peak intensity 17.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

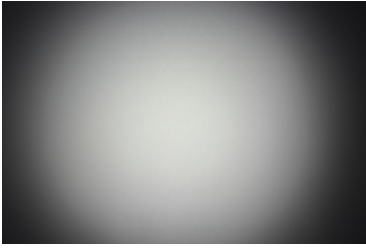
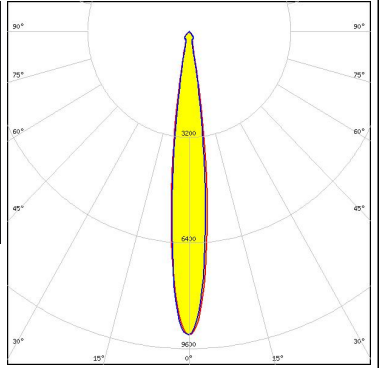





NICHIA

LED NS9x383
FWHM / FWTM 12.0° / 28.0°
Efficiency 85 %
Peak intensity 8.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NV4x144A FWHM / FWTM 13.0° / 24.0° Efficiency 92 % Peak intensity 9.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S8 FWHM / FWTM 12.0° / 28.0° Efficiency 86 % Peak intensity 8.3 cd/lm LEDs/each optic 1 Light colour White Required components: C12479_MIRELLA-DL</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S8 FWHM / FWTM 11.0° / 22.0° Efficiency 86 % Peak intensity 11.6 cd/lm LEDs/each optic 1 Light colour White Required components: C13333_MIRELLA-CL</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S8 FWHM / FWTM 9.7° / 20.0° Efficiency 91 % Peak intensity 16 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

LED OSLON Square EC
FWHM / FWTM 8.0° / 16.0°
Efficiency 90 %
Peak intensity 23.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED OSLON Square EC
FWHM / FWTM 9.4° / 20.0°
Efficiency 85 %
Peak intensity 15.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333_MIRELLA-CL



OSRAM

Opto Semiconductors

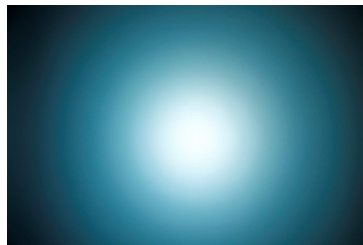
LED OSLON Square EC
FWHM / FWTM 11.0° / 26.0°
Efficiency 85 %
Peak intensity 9.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479_MIRELLA-DL



OSRAM

Opto Semiconductors

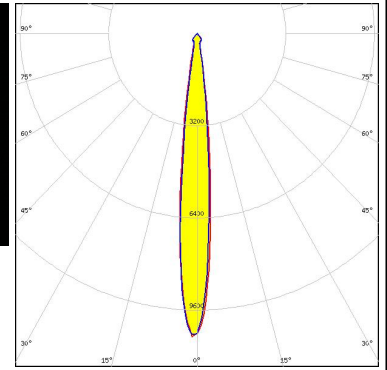
LED Ostar-SMT RGB
FWHM / FWTM 19.0° / 56.0°
Efficiency 85 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13723_MIRELLA-RZL



OPTICAL RESULTS (MEASURED):

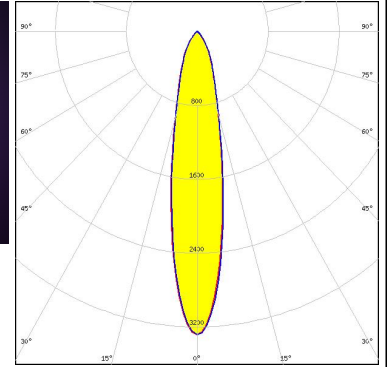
SAMSUNG

LED LH508A
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 90 %
 Peak intensity 10.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



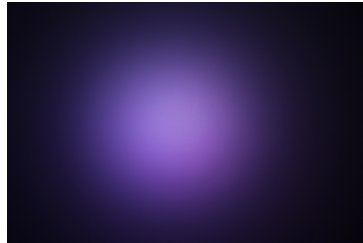
SEOUL SEMICONDUCTOR

LED F50360 (RGB)
 FWHM / FWTM 21.0° / 55.0°
 Efficiency 84 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13723_MIRELLA-RZL



SEOUL SEMICONDUCTOR

LED F50360 (RGB)
 FWHM / FWTM 19.0° / 56.0°
 Efficiency 86 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13723_MIRELLA-RZL



OPTICAL RESULTS (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.

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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

[www.ledil.com/
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