

## MIRELLA-50-S-PIN

~15° spot beam

### TECHNICAL SPECIFICATIONS:

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

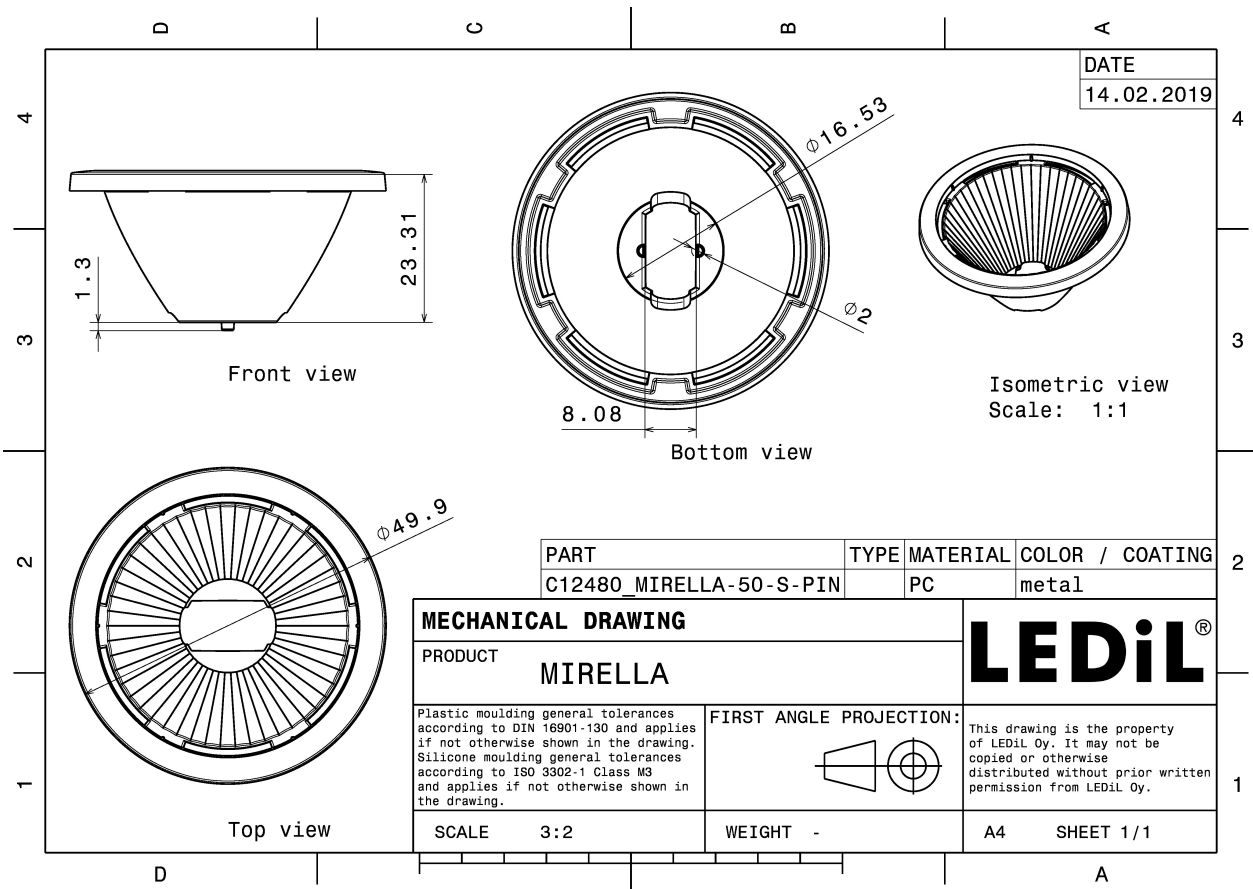
### MATERIAL SPECIFICATIONS:

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



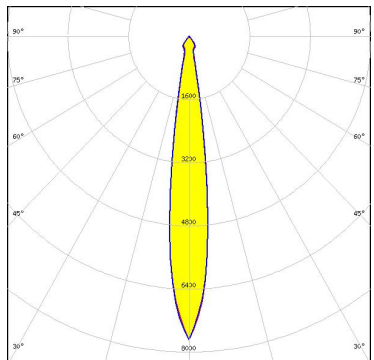

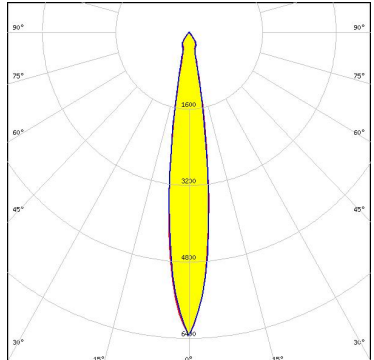



### ORDERING INFORMATION:

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



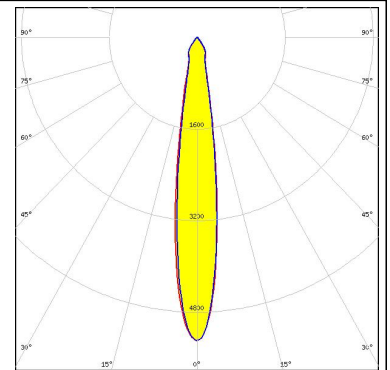
#### PHOTOMETRIC DATA (MEASURED):

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

#### PHOTOMETRIC DATA (MEASURED):

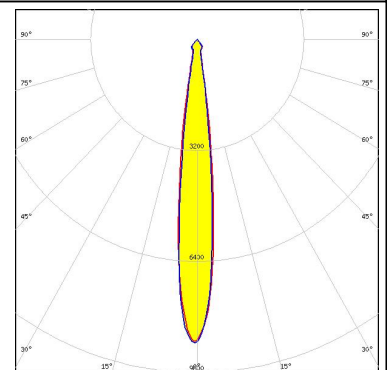
**CREE** 

LED XHP50  
 FWHM 16.0°  
 Efficiency 89 %  
 Peak intensity 5.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



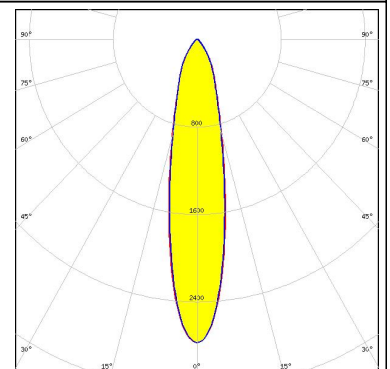
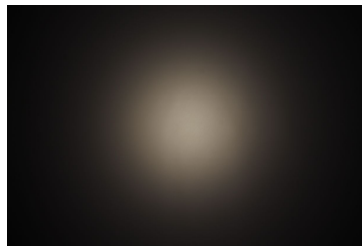
**CREE** 

LED XHP50  
 FWHM 13.0°  
 Efficiency 93 %  
 Peak intensity 8.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



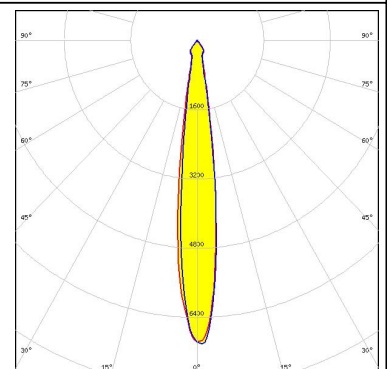
**CREE** 

LED XHP50  
 FWHM 22.0°  
 Efficiency 86 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13723\_MIRELLA-RZL



**CREE** 

LED XHP50  
 FWHM 14.0°  
 Efficiency 88 %  
 Peak intensity 7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL





#### PHOTOMETRIC DATA (MEASURED):

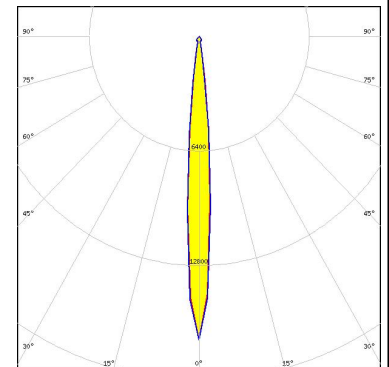
#### CREE

LED XM-L  
FWHM 12.0°  
Efficiency 86 %  
Peak intensity 8.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



#### CREE

LED XM-L  
FWHM 8.7°  
Efficiency 90 %  
Peak intensity 19.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



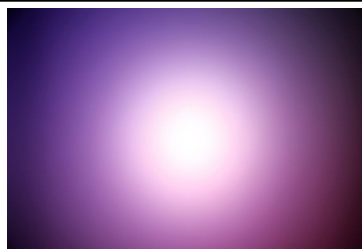
#### CREE

LED XM-L  
FWHM 12.0°  
Efficiency 85 %  
Peak intensity 11.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL



#### CREE

LED XM-L RGB  
FWHM 21.0°  
Efficiency 84 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13723\_MIRELLA-RZL



#### PHOTOMETRIC DATA (MEASURED):

#### CREE

LED XM-L2  
FWHM 12.0°  
Efficiency 86 %  
Peak intensity 8.2 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



#### CREE

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



#### CREE

LED XP-G  
FWHM 11.0°  
Efficiency 86 %  
Peak intensity 10.4 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



#### CREE

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



#### PHOTOMETRIC DATA (MEASURED):

#### CREE

LED XP-G  
FWHM 11.0°  
Efficiency 86 %  
Peak intensity 14.1 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL



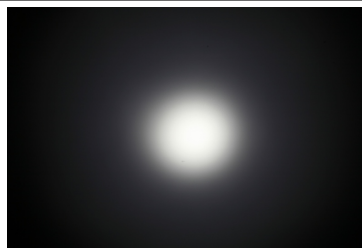
#### CREE

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



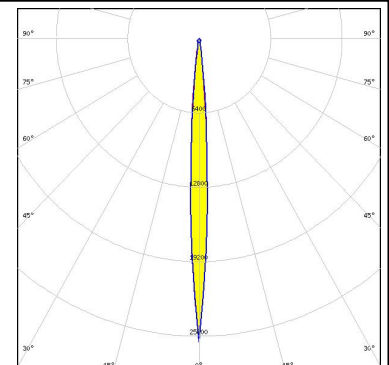
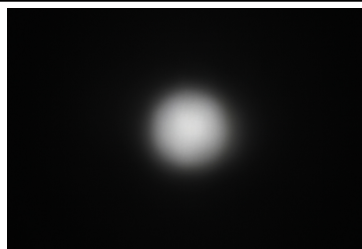
#### CREE

LED XP-G2  
FWHM 11.0°  
Efficiency 87 %  
Peak intensity 10.4 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



#### CREE

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



**PHOTOMETRIC DATA (MEASURED):**

**CREE** ⇄

LED XT-E  
FWHM 11.0°  
Efficiency 85 %  
Peak intensity 9.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



**CREE** ⇄

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



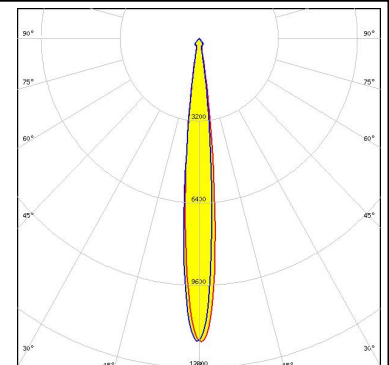
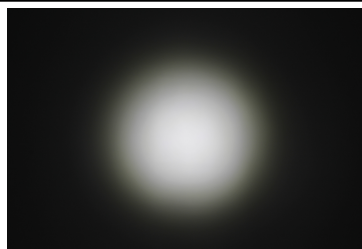
**CREE** ⇄

LED XT-E  
FWHM 10.0°  
Efficiency 84 %  
Peak intensity 14.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL




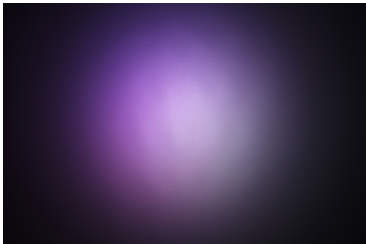
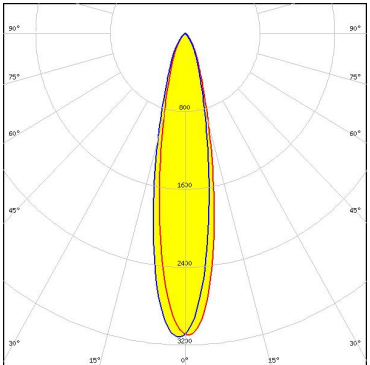


**LUMILEDS**

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



**PHOTOMETRIC DATA (MEASURED):**

<p><b>LUMILEDS</b></p> <p>LED LUXEON A            FWHM 12.0°            Efficiency 85 %            Peak intensity 8.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C12479_MIRELLA-DL</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON A            FWHM 8.9°            Efficiency 89 %            Peak intensity 20.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON A            FWHM 10.0°            Efficiency 85 %            Peak intensity 14.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C13333_MIRELLA-CL</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON C            FWHM 22.0°            Efficiency 81 %            Peak intensity 3.1 cd/lm            LEDs/each optic 4            Light colour RGBW            Required components:            C13723_MIRELLA-RZL</p>	 

#### PHOTOMETRIC DATA (MEASURED):

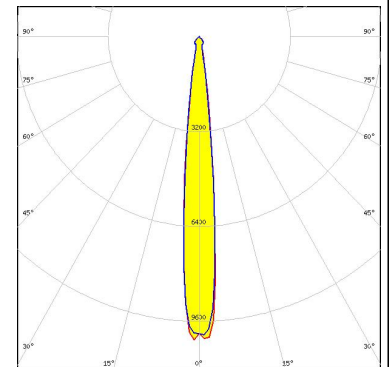
#### LUMILEDS

LED LUXEON M/MX  
 FWHM 15.0°  
 Efficiency 86 %  
 Peak intensity 5.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL



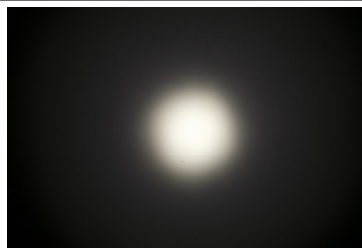
#### LUMILEDS

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



#### LUMILEDS

LED LUXEON M/MX  
 FWHM 15.0°  
 Efficiency 85 %  
 Peak intensity 7.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13333\_MIRELLA-CL



#### LUMILEDS

LED LUXEON MZ  
 FWHM 11.0°  
 Efficiency 85 %  
 Peak intensity 9.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C12479\_MIRELLA-DL

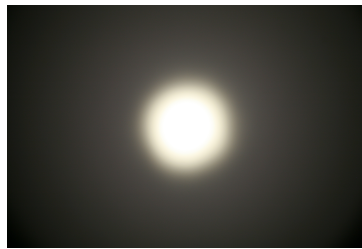




#### PHOTOMETRIC DATA (MEASURED):

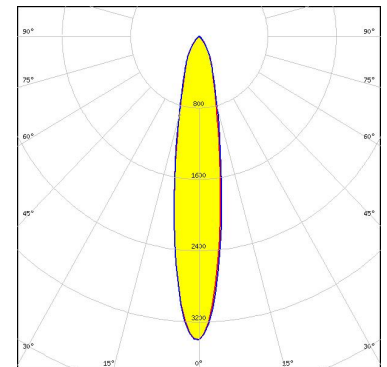
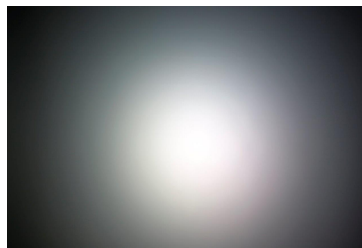
##### LUMILEDS

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



##### LUMILEDS

LED LUXEON Z  
FWHM 18.0°  
Efficiency 82 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 4  
Light colour RGBW  
Required components:  
C13723\_MIRELLA-RZL



##### NICHIA

LED NS9x383  
FWHM 12.0°  
Efficiency 85 %  
Peak intensity 8.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL

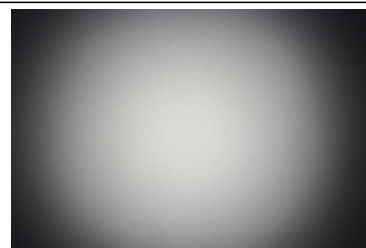
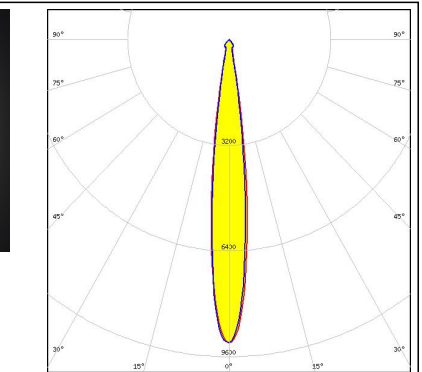

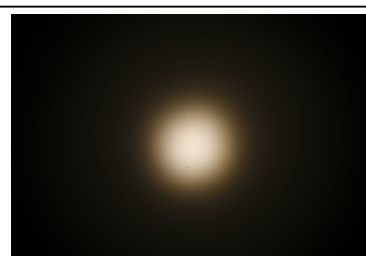
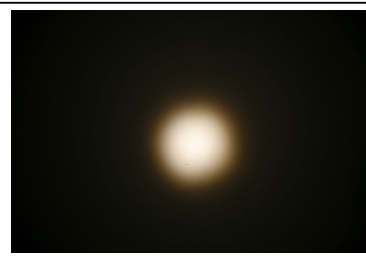


##### NICHIA

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



#### PHOTOMETRIC DATA (MEASURED):

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

#### PHOTOMETRIC DATA (MEASURED):

##### OSRAM

Opto Semiconductors

LED OSLON Square EC  
FWHM 11.0°  
Efficiency 85 %  
Peak intensity 9.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C12479\_MIRELLA-DL



##### OSRAM

Opto Semiconductors

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



##### OSRAM

Opto Semiconductors

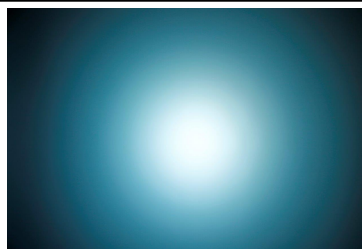
LED OSLON Square EC  
FWHM 9.4°  
Efficiency 85 %  
Peak intensity 15.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13333\_MIRELLA-CL



##### OSRAM

Opto Semiconductors

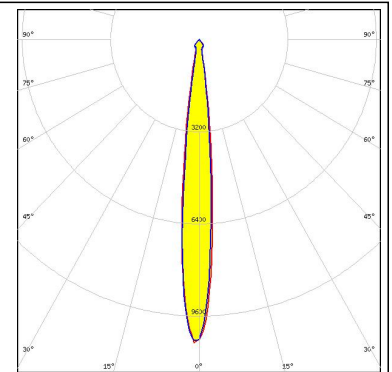
LED Ostar-SMT RGB  
FWHM 19.0°  
Efficiency 85 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C13723\_MIRELLA-RZL



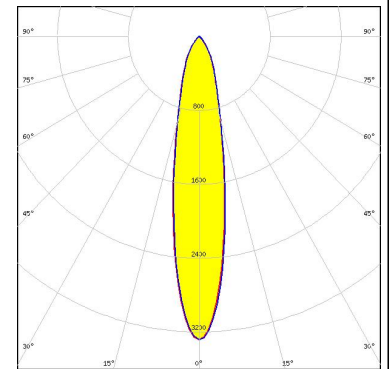
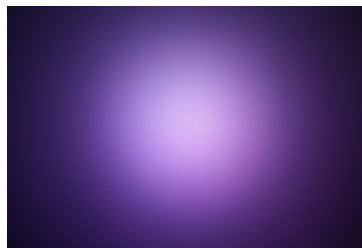
#### PHOTOMETRIC DATA (MEASURED):

#### SAMSUNG

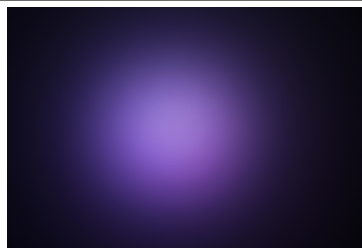
LED LH508A  
 FWHM 12.0°  
 Efficiency 90 %  
 Peak intensity 10.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR  
 LED F50360 (RGB)  
 FWHM 21.0°  
 Efficiency 84 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13723\_MIRELLA-RZL

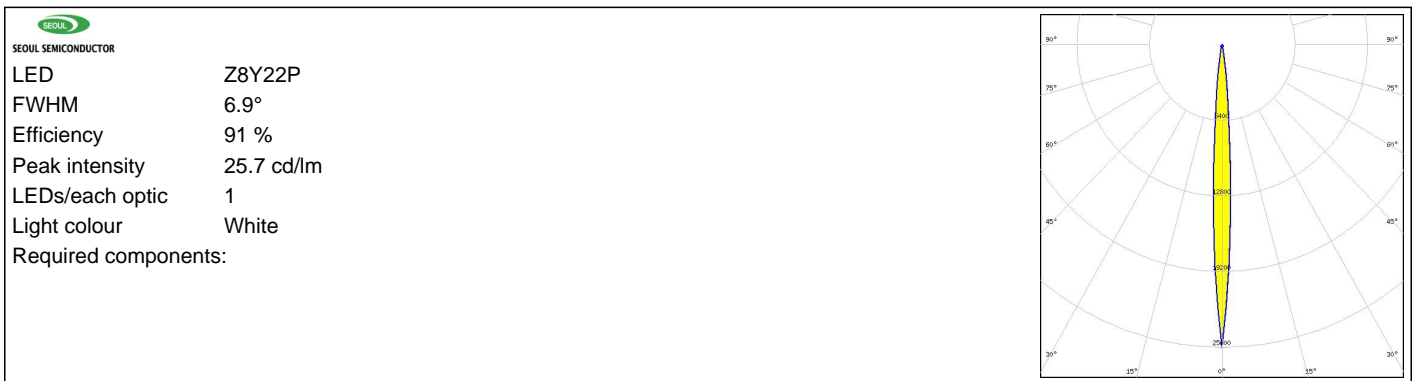


SEOUL SEMICONDUCTOR  
 LED F50360 (RGB)  
 FWHM 19.0°  
 Efficiency 86 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13723\_MIRELLA-RZL





#### 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.

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#### LEDiL Oy

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Finland

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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)

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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## JONHON

«**JONHON**» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«**FORSTAR**» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

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