

## FLORENTINA-2X2-MRK-W

~50° wide beam. Compatible with ultra high power LEDs.

### TECHNICAL SPECIFICATIONS:

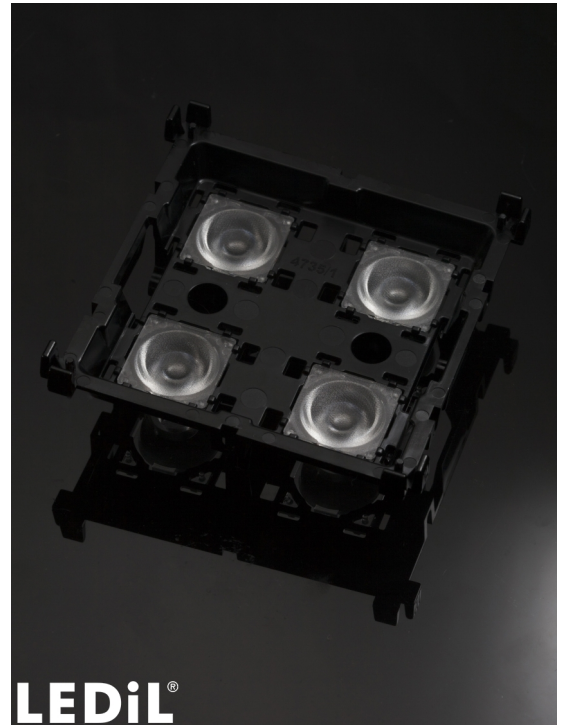
Dimensions	89.7 mm
Height	17.7 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

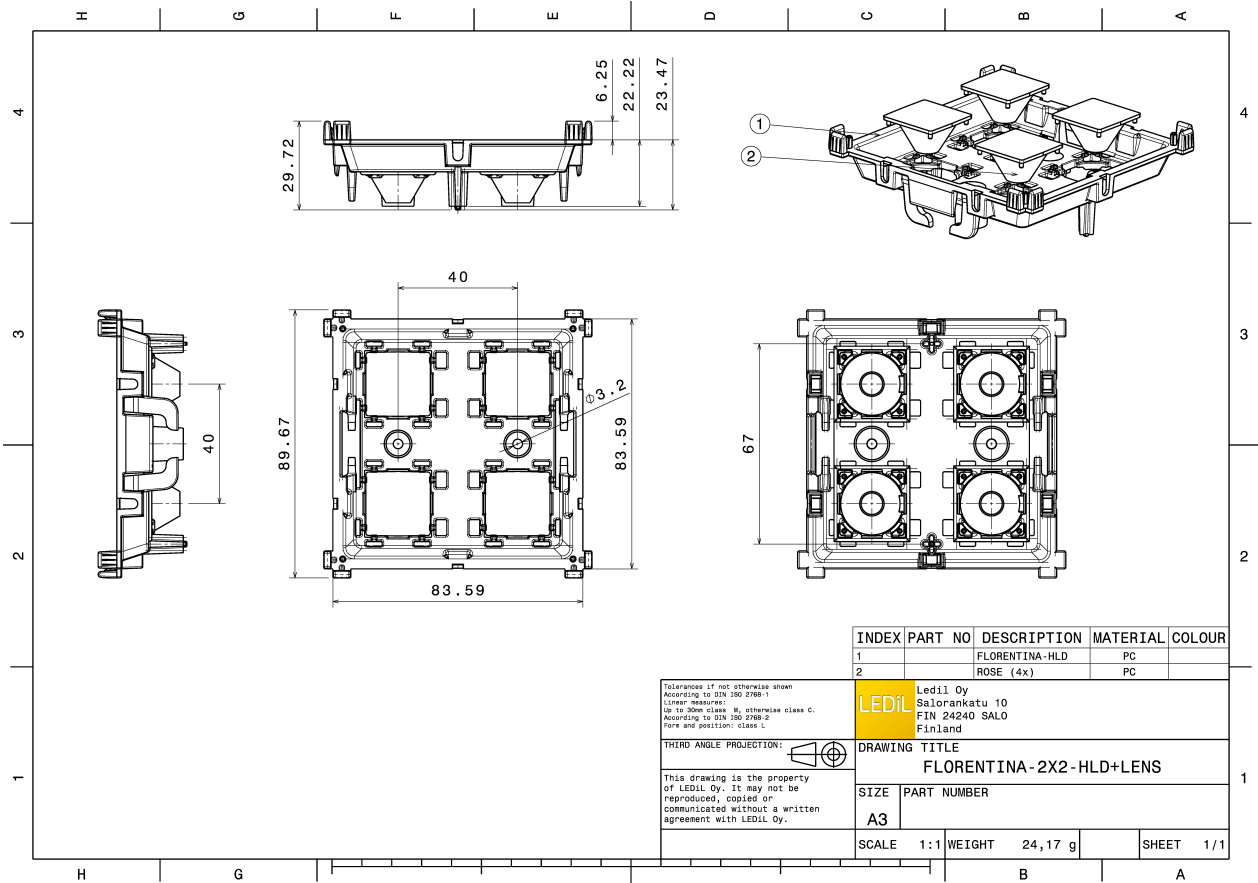
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
ROSE-MRK-W	Single lens	PC	clear	
FLORENTINA-2X2-HLD	Holder	PC	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCP15706_FLORENTINA-2X2-MRK-W	Single lens	88	24	8	4.3
» Box size: 476 x 273 x 292 mm					

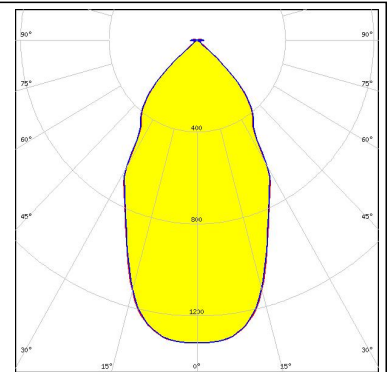




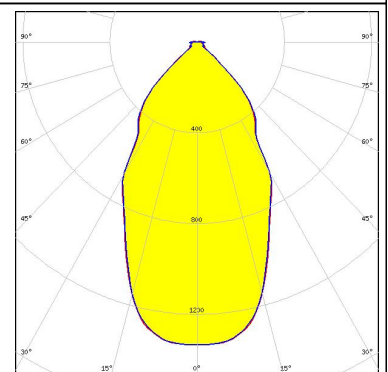
#### PHOTOMETRIC DATA (MEASURED):



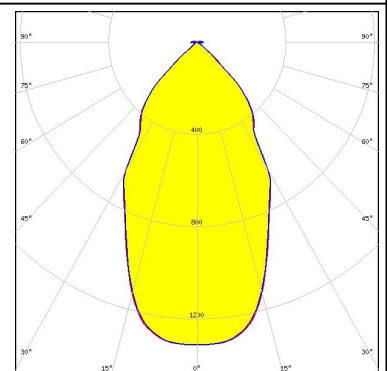
LED XHP35 HD  
 FWHM 57.0°  
 Efficiency 72 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



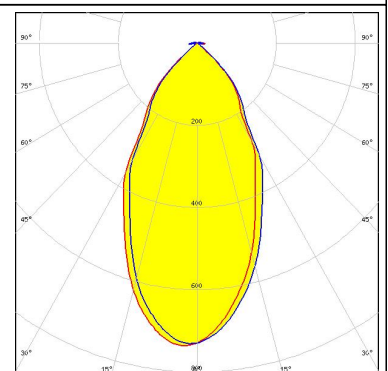
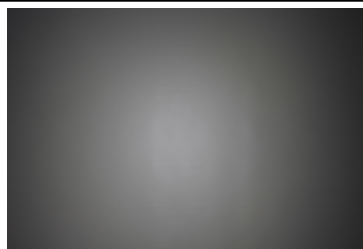
LED XHP35 HD  
 FWHM 58.0°  
 Efficiency 78 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT



LED XHP35 HD  
 FWHM 57.0°  
 Efficiency 72 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN



LED XHP50  
 FWHM 53.0°  
 Efficiency 71 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD

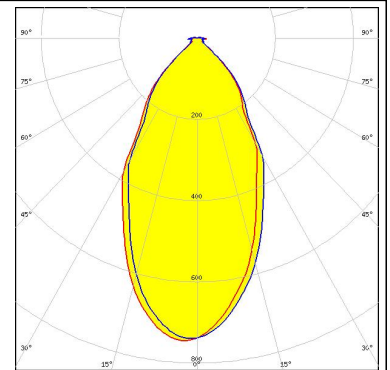


#### PHOTOMETRIC DATA (MEASURED):



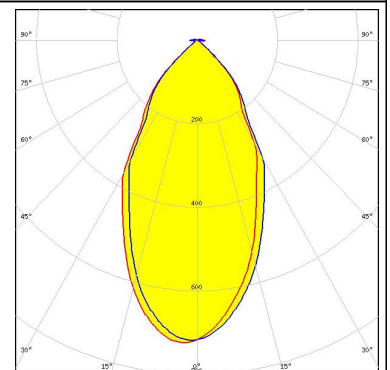
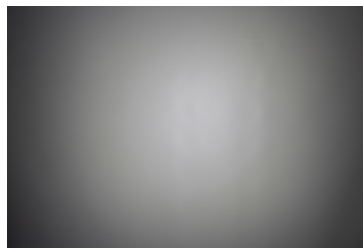
LED XHP50  
 FWHM 54.0°  
 Efficiency 77 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White

Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT



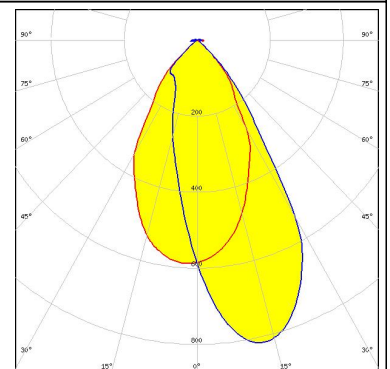
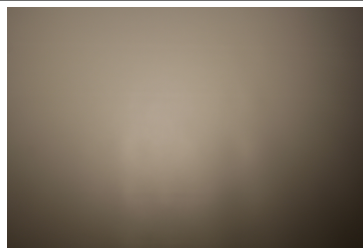
LED XHP50  
 FWHM 54.0°  
 Efficiency 71 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White

Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN



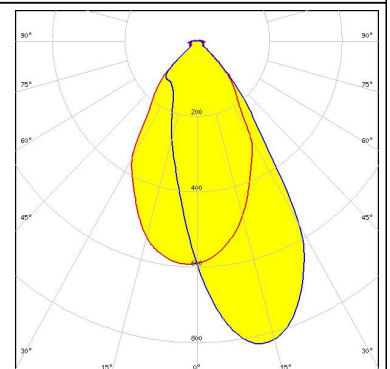
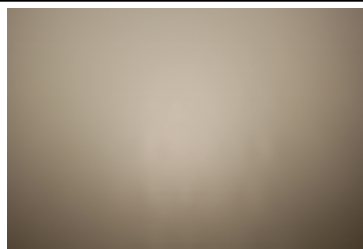
LED XHP70  
 FWHM 61.0°  
 Efficiency 66 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White

Required components:  
 C14734\_FLORENTINA-2X2-SHD



LED XHP70  
 FWHM 63.0°  
 Efficiency 74 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White

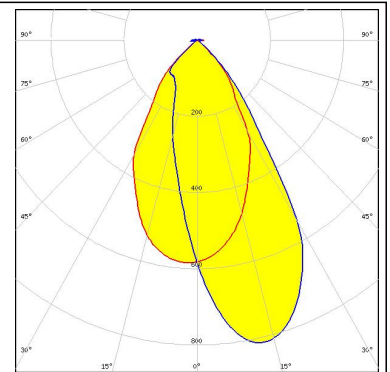
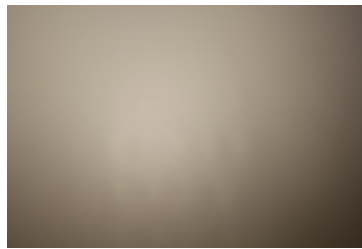
Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT



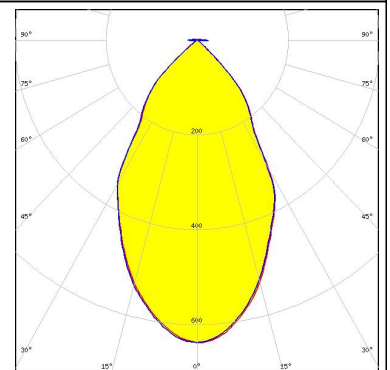
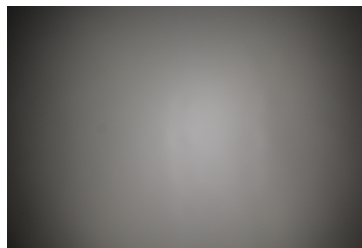
#### PHOTOMETRIC DATA (MEASURED):



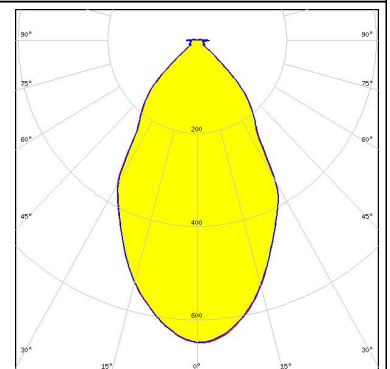
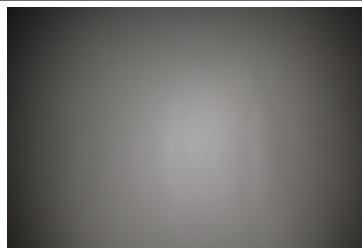
**LED** XHP70  
**FWHM** 61.0°  
**Efficiency** 66 %  
**Peak intensity** 0.8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C15196\_FLORENTINA-2X2-SHD-OPEN



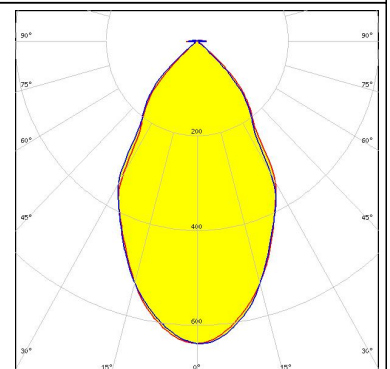
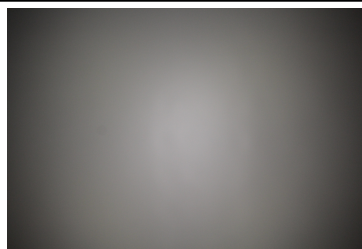
**LED** H70E0  
**FWHM** 61.0°  
**Efficiency** 69 %  
**Peak intensity** 0.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14734\_FLORENTINA-2X2-SHD



**LED** H70E0  
**FWHM** 62.0°  
**Efficiency** 76 %  
**Peak intensity** 0.7 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14960\_FLORENTINA-2X2-SHD-WHT



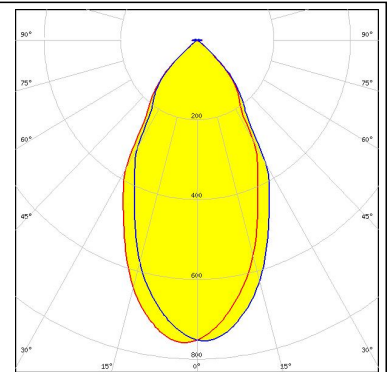
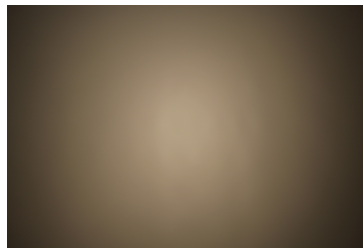
**LED** H70E0  
**FWHM** 61.0°  
**Efficiency** 69 %  
**Peak intensity** 0.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C15196\_FLORENTINA-2X2-SHD-OPEN



#### PHOTOMETRIC DATA (MEASURED):

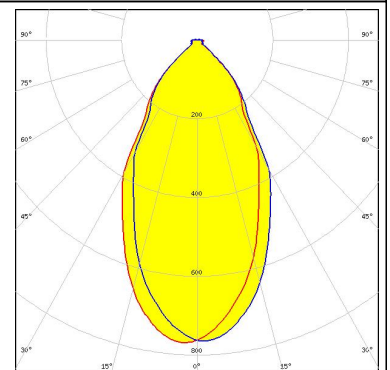
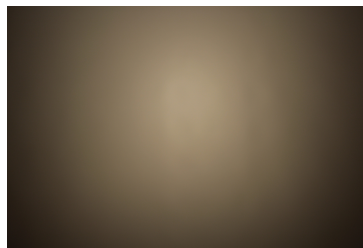
#### LUMILEDS

LED LUXEON M/MX  
 FWHM 54.0°  
 Efficiency 71 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



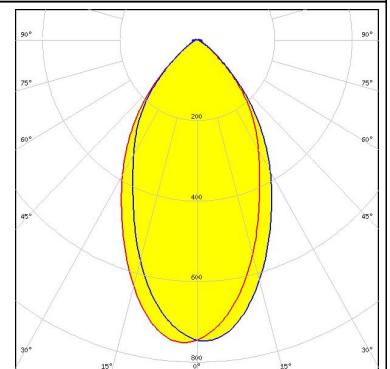
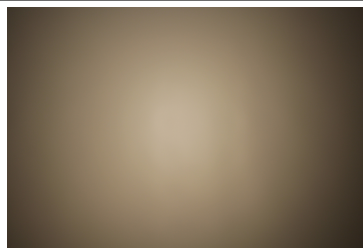
#### LUMILEDS

LED LUXEON M/MX  
 FWHM 55.0°  
 Efficiency 78 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT



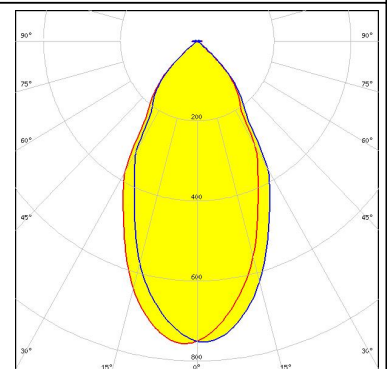
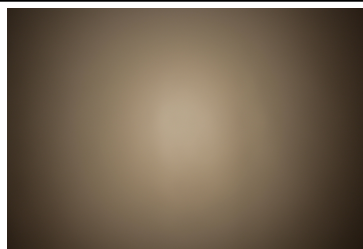
#### LUMILEDS

LED LUXEON M/MX  
 FWHM 56.0°  
 Efficiency 81 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### LUMILEDS

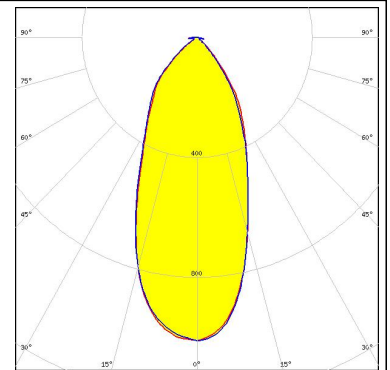
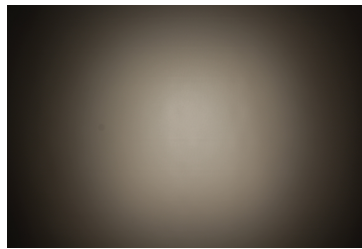
LED LUXEON M/MX  
 FWHM 55.0°  
 Efficiency 71 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN



#### PHOTOMETRIC DATA (MEASURED):

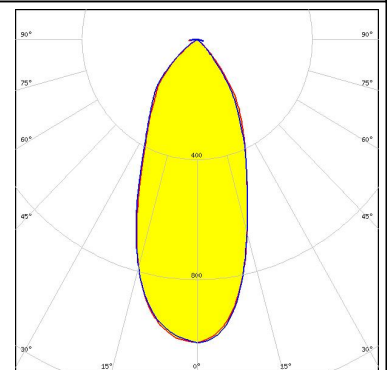
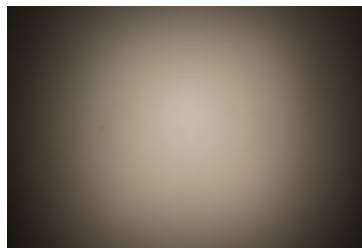
##### LUMILEDS

LED LUXEON MZ  
 FWHM 44.0°  
 Efficiency 80 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT



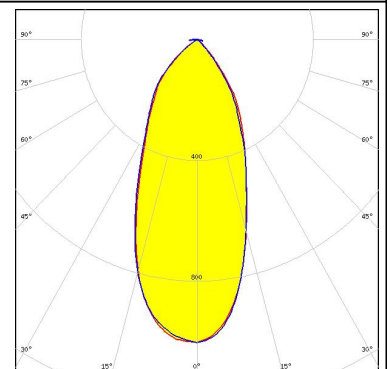
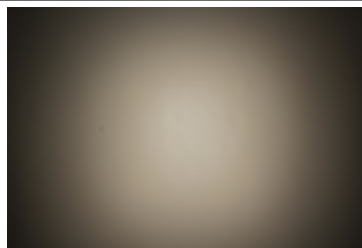
##### LUMILEDS

LED LUXEON MZ  
 FWHM 43.0°  
 Efficiency 75 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN



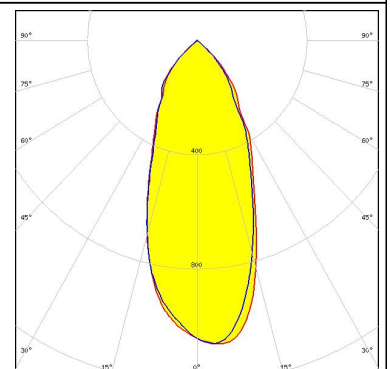
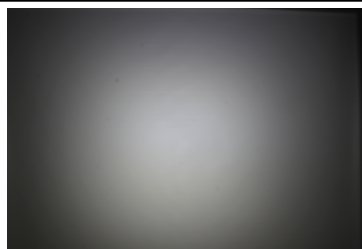
##### LUMILEDS

LED LUXEON MZ  
 FWHM 43.0°  
 Efficiency 78 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD


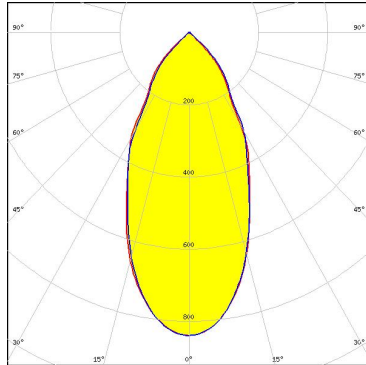
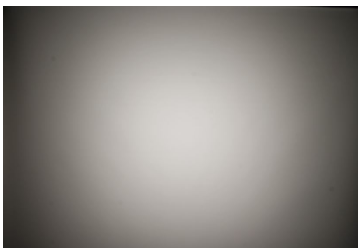
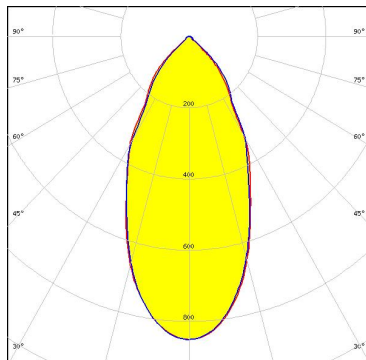
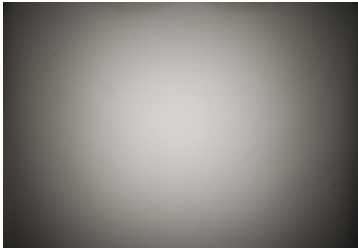
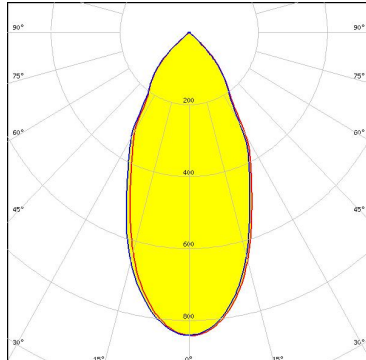


##### NICHIA

LED NF2x757G  
 FWHM 42.0°  
 Efficiency 76 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT



#### PHOTOMETRIC DATA (MEASURED):

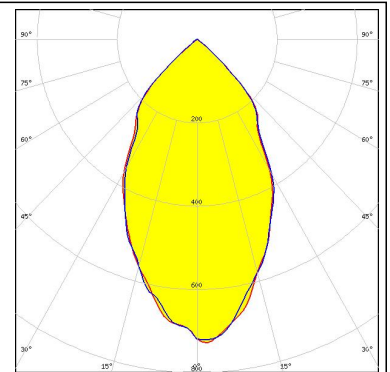
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED            OSCONIQ P 7070 FWHM        49.0° Efficiency    68 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour    White Required components: C14734_FLORENTINA-2X2-SHD</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED            OSCONIQ P 7070 FWHM        50.0° Efficiency    74 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour    White Required components: C14960_FLORENTINA-2X2-SHD-WHT</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED            OSCONIQ P 7070 FWHM        49.0° Efficiency    68 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour    White Required components: C15196_FLORENTINA-2X2-SHD-OPEN</p>		



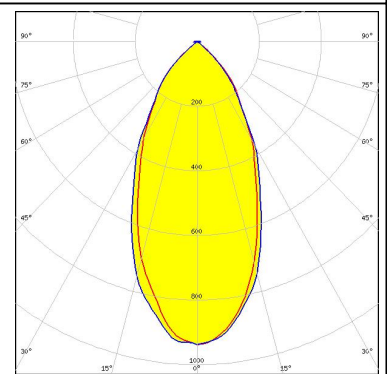
#### PHOTOMETRIC DATA (SIMULATED):



LED NV4x144A  
FWHM 60.0°  
Efficiency 77 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



LED Duris S8  
FWHM 50.0°  
Efficiency 81 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



#### 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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FI-24240 SALO  
Finland

#### LEDiL Inc.

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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)

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)