

## FLORENTINA-1-SS

~16° smooth spot beam

### TECHNICAL SPECIFICATIONS:

Dimensions	39.7 mm
Height	13 mm
Fastening	tape
ROHS compliant	yes ⓘ

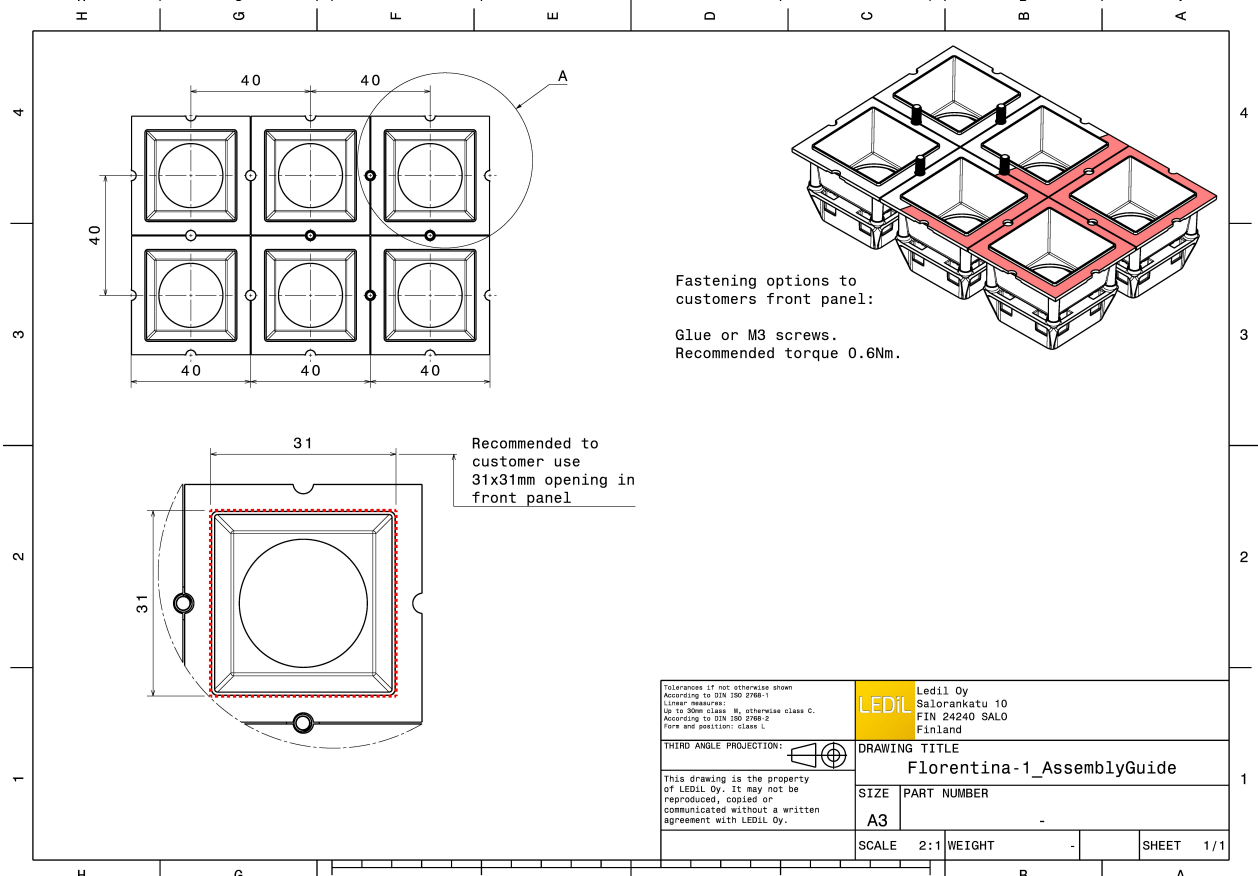
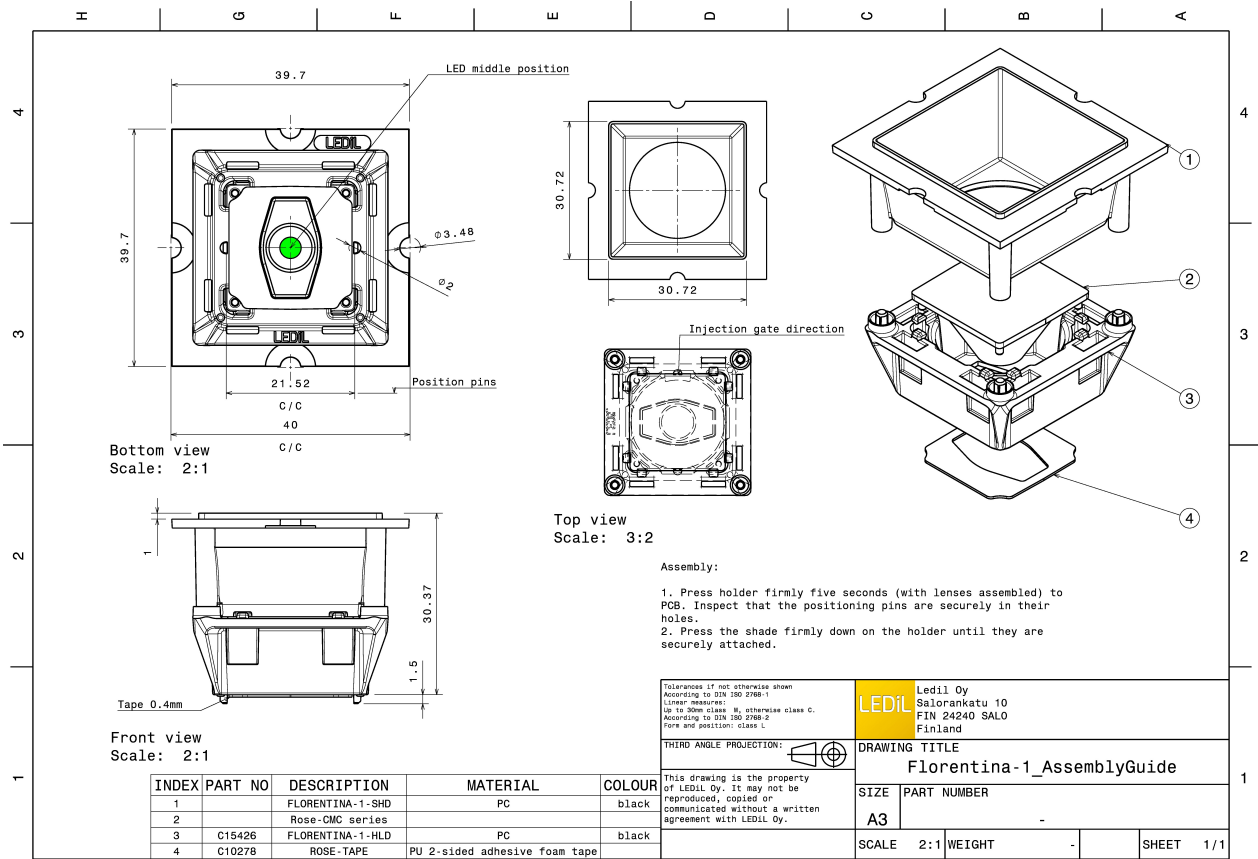
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
ROSE-CMC-SS	Single lens	PC	clear	
FLORENTINA-1-HLD	Holder	PC	black	
ROSE-TAPE	Tape	PU tape	black	



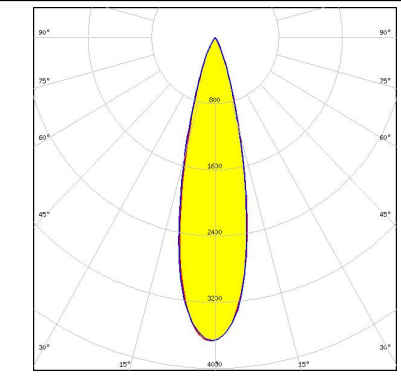


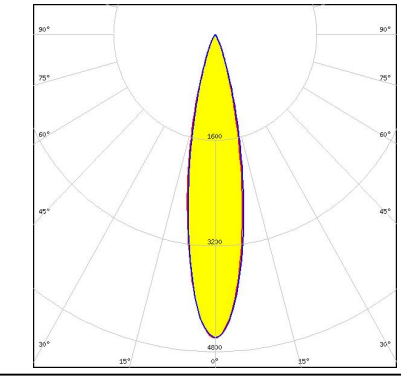


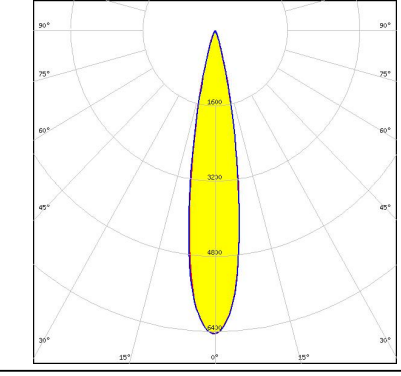


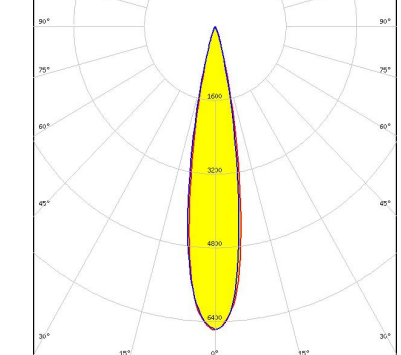


### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA15448_FLORENTINA-1-SS	Single lens	840		60	7.9
» Box size: 480 x 280 x 300 mm					



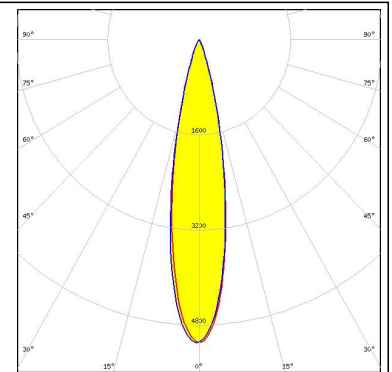
#### PHOTOMETRIC DATA (MEASURED):

<p> <b>bridgelux</b></p> <p>LED Bridgelux SMD 5050            FWHM 25.0°            Efficiency 82 %            Peak intensity 3.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		
<p> <b>CREE</b></p> <p>LED XHP35 HD            FWHM 21.0°            Efficiency 80 %            Peak intensity 4.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		
<p> <b>CREE</b></p> <p>LED XHP35 HI            FWHM 19.0°            Efficiency 80 %            Peak intensity 6.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		
<p> <b>CREE</b></p> <p>LED XP-G2            FWHM 19.0°            Efficiency 80 %            Peak intensity 6.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		

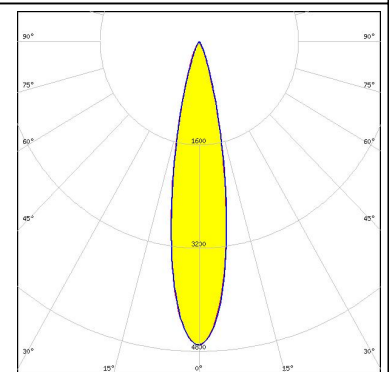
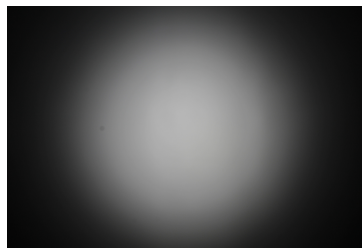
#### PHOTOMETRIC DATA (MEASURED):



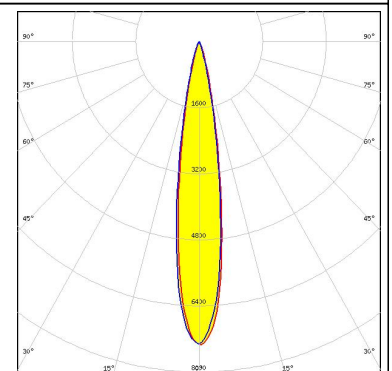
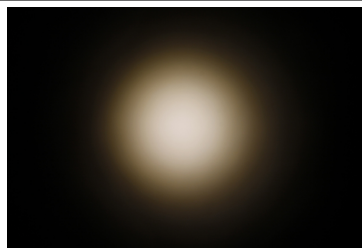
LED XP-L HD  
 FWHM 21.0°  
 Efficiency 79 %  
 Peak intensity 5.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



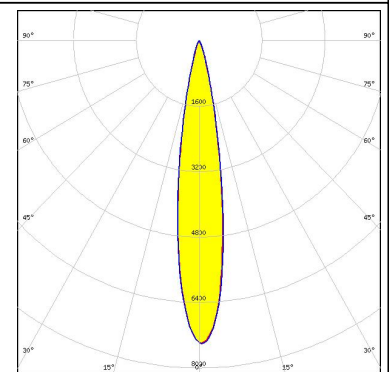
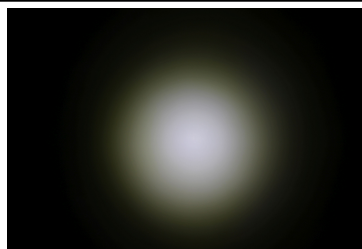
LED XP-L2  
 FWHM 21.0°  
 Efficiency 78 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



LED XT-E  
 FWHM 17.0°  
 Efficiency 78 %  
 Peak intensity 7.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



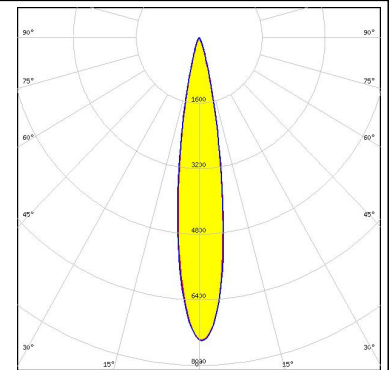
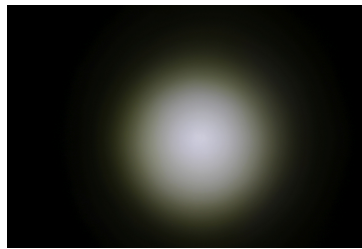
LED LG 5630  
 FWHM 17.0°  
 Efficiency 85 %  
 Peak intensity 7.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16701\_FLORENTINA-1-SHD-60-WHT



#### PHOTOMETRIC DATA (MEASURED):

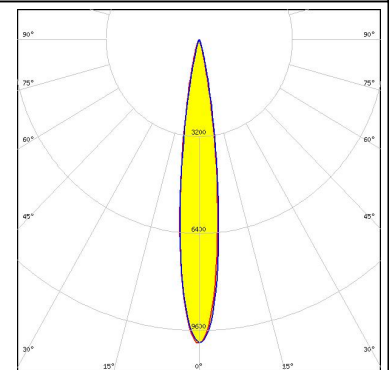
##### LG Innotek

LED LG 5630  
 FWHM 17.0°  
 Efficiency 84 %  
 Peak intensity 7.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



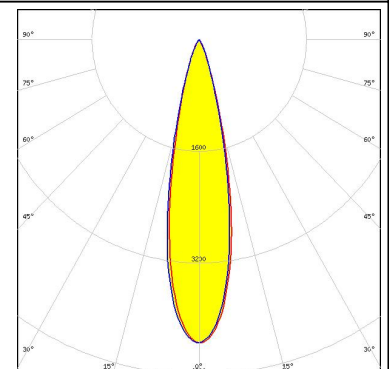
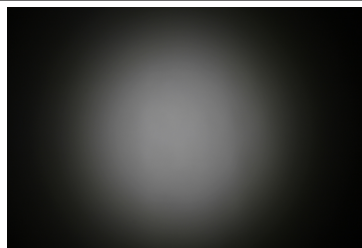
##### LUMILEDS

LED LUXEON 3030 2D (Round LES)  
 FWHM 15.0°  
 Efficiency 82 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



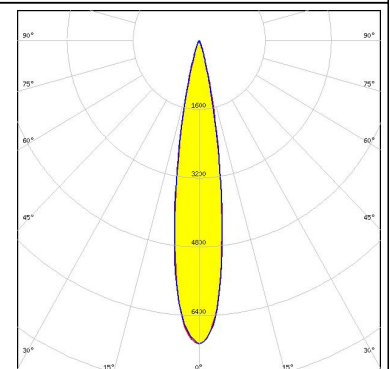
##### LUMILEDS

LED LUXEON 5050 Round LES  
 FWHM 23.0°  
 Efficiency 83 %  
 Peak intensity 4.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60

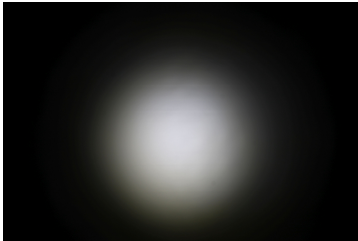
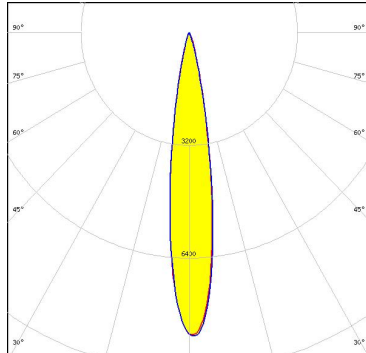

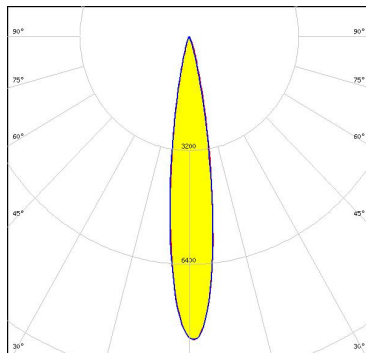

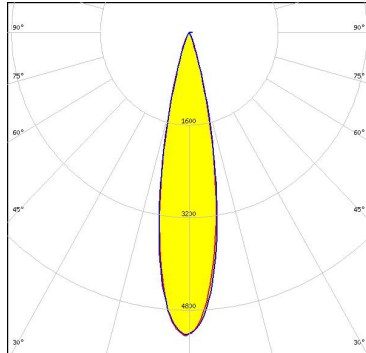

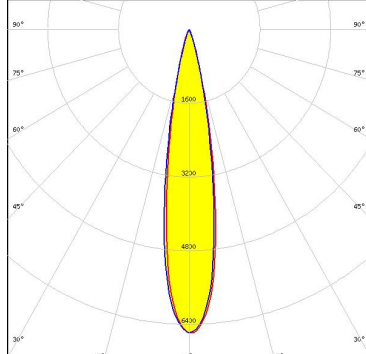


##### LUMILEDS

LED LUXEON TX  
 FWHM 18.0°  
 Efficiency 80 %  
 Peak intensity 7.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



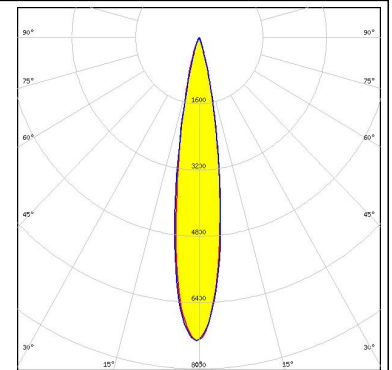
#### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NF2x757G            FWHM 16.0°            Efficiency 85 %            Peak intensity 8.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16701_FLORENTINA-1-SHD-60-WHT</p>		
<p><b>NICHIA</b></p> <p>LED NF2x757G            FWHM 16.0°            Efficiency 84 %            Peak intensity 8.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		
<p><b>NICHIA</b></p> <p>LED NVSW319B            FWHM 22.0°            Efficiency 84 %            Peak intensity 5.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM 19.0°            Efficiency 81 %            Peak intensity 6.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		

#### PHOTOMETRIC DATA (MEASURED):

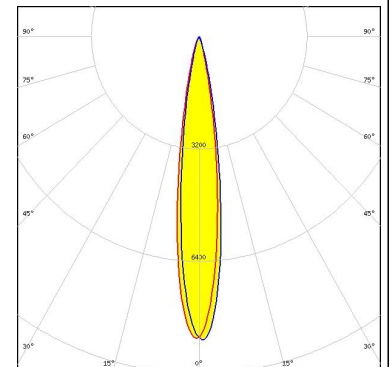
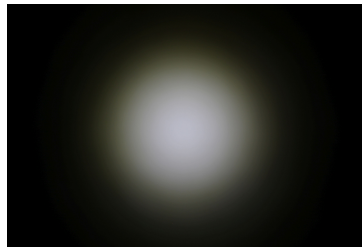
**OSRAM**  
Opto Semiconductors

LED OSLON Square EC  
FWHM 17.0°  
Efficiency 81 %  
Peak intensity 7.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



**SAMSUNG**

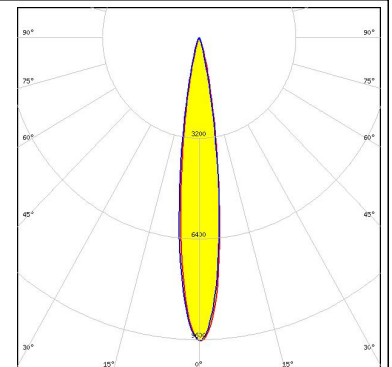
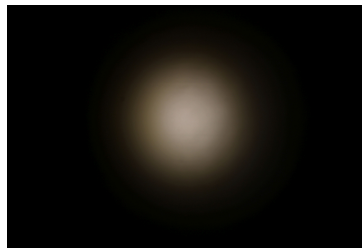
LED LM561B  
FWHM 15.0°  
Efficiency 84 %  
Peak intensity 8.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



**SEOL**

SEOUL SEMICONDUCTOR

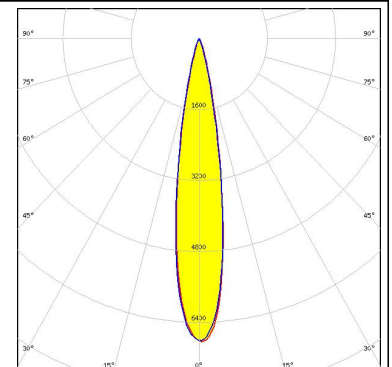
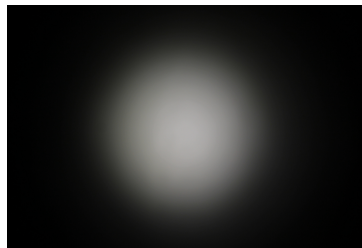
LED SEOUL 5630  
FWHM 15.0°  
Efficiency 86 %  
Peak intensity 9.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**SEOL**

SEOUL SEMICONDUCTOR

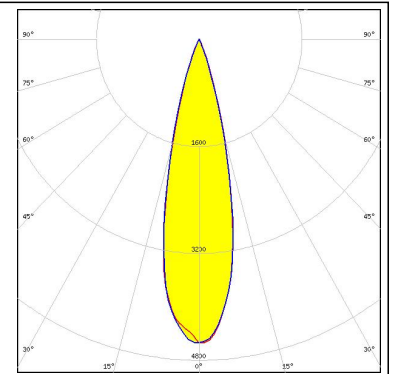
LED Z8Y22P  
FWHM 18.0°  
Efficiency 77 %  
Peak intensity 6.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



#### PHOTOMETRIC DATA (SIMULATED):



LED XP-G2 HE  
FWHM 25.0°  
Efficiency 90 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60





#### 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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#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

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#### Distribution Partners

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- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.