

## FLORENTINA-1-M

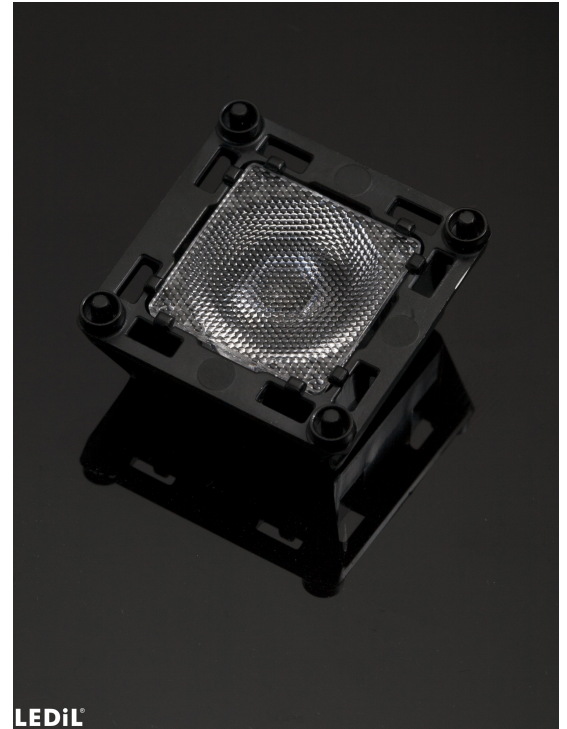
~30° medium beam

### SPECIFICATION:

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

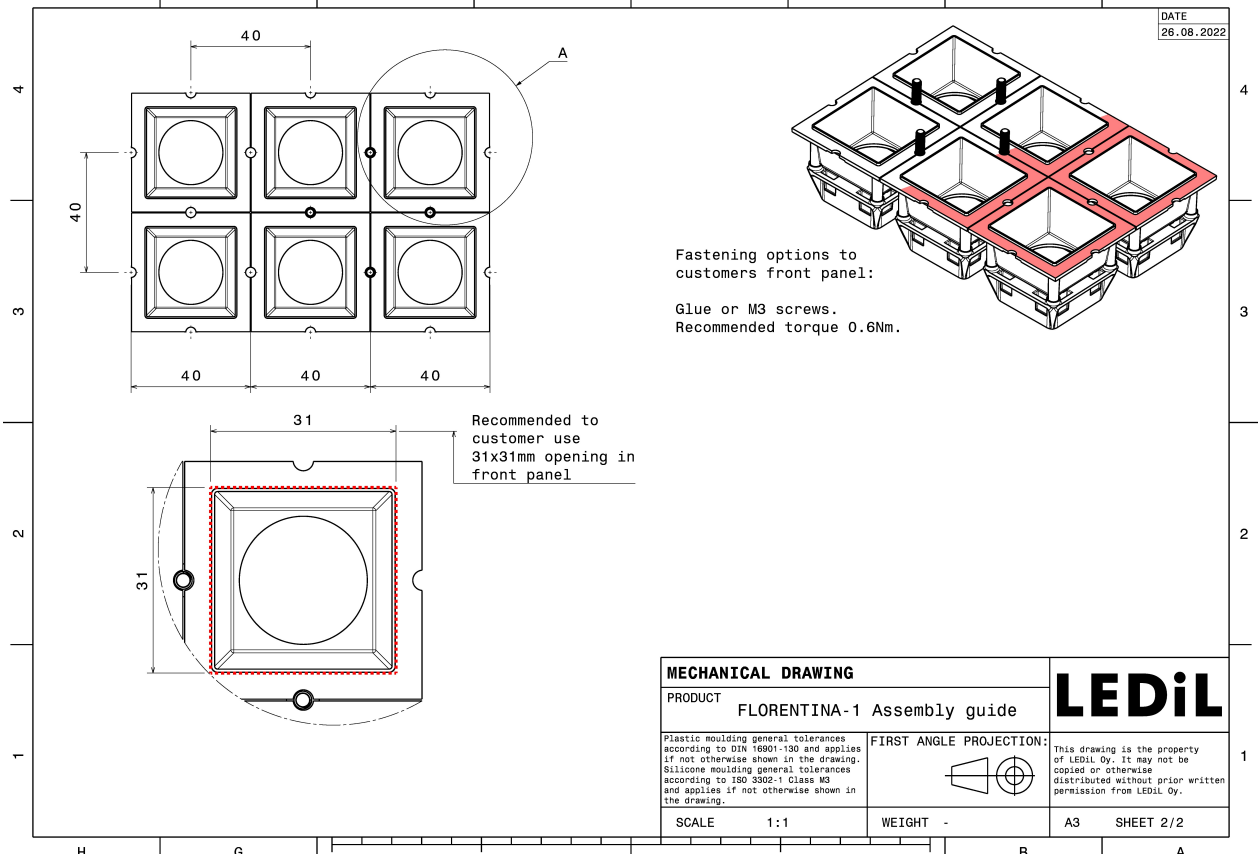
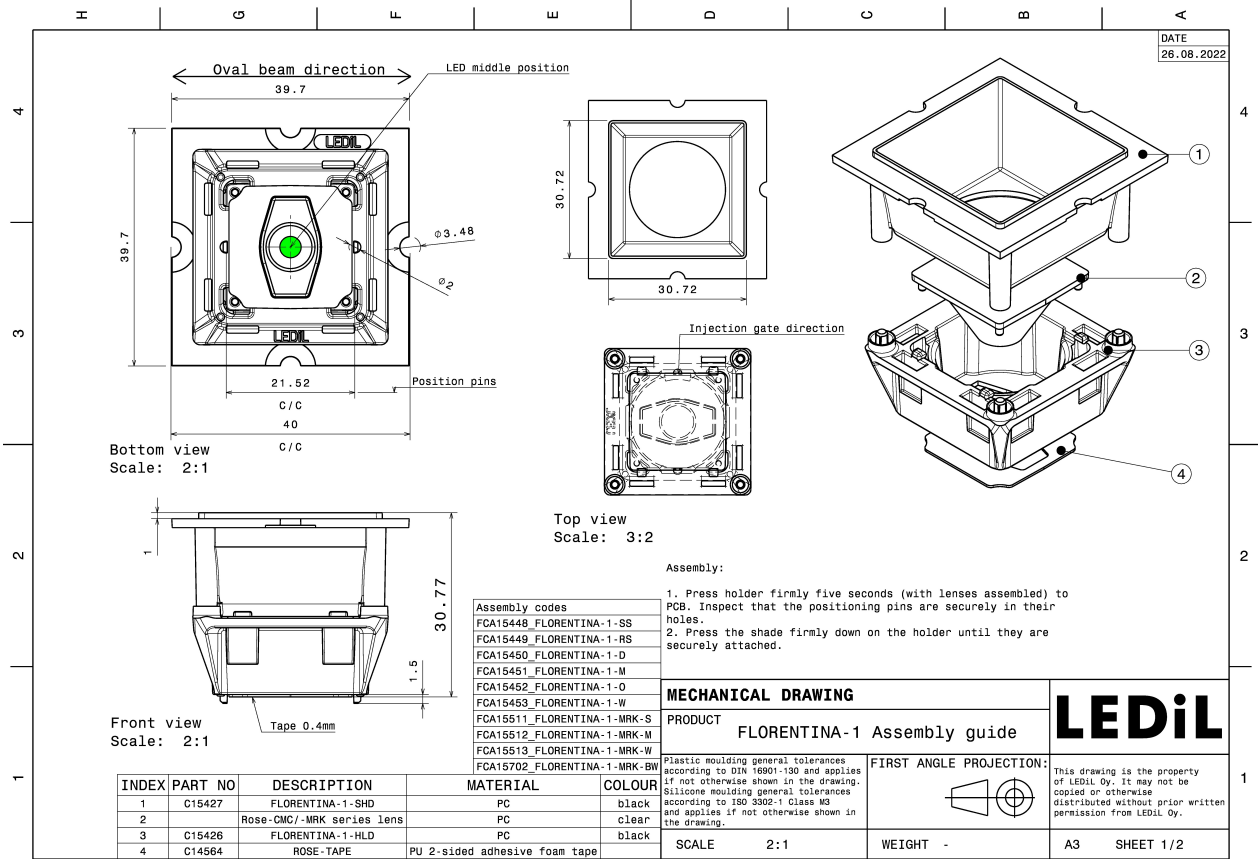
### MATERIALS:

Component	Type	Material	Colour	Finish
ROSE-CMC-M	Single lens	PC	clear	
FLORENTINA-1-HLD	Holder	PC	black	
ROSE-TAPE	Tape	Acrylic foam	black	





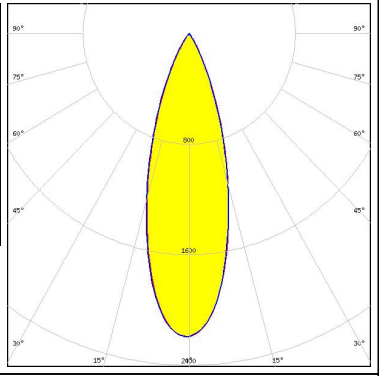


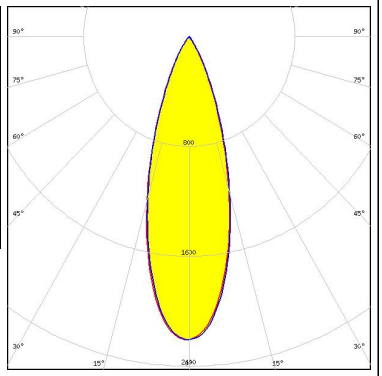


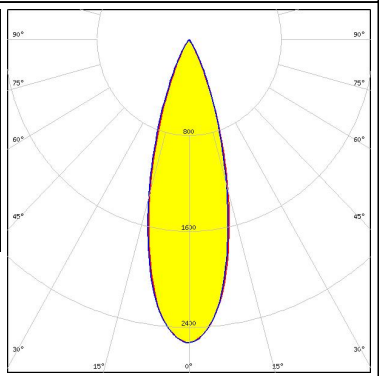


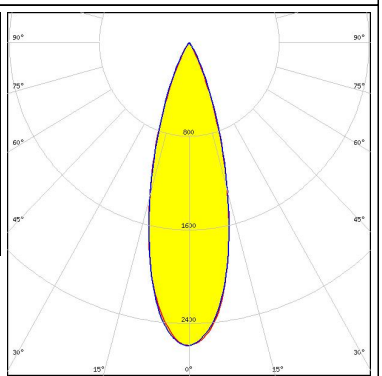
### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA15451_FLORENTINA-1-M	Single lens	840		60	7.9
» Box size: 480 x 280 x 300 mm					



See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

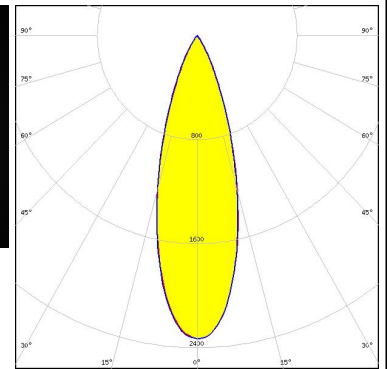
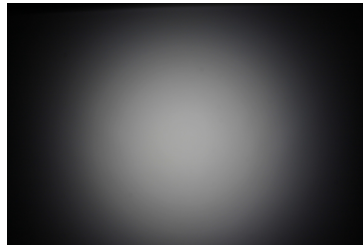
#### OPTICAL RESULTS (MEASURED):

<p> <b>LED</b> Bridgelux SMD 5050</p> <p><b>FWHM / FWTM</b> 32.0° / 57.0°</p> <p><b>Efficiency</b> 76 %</p> <p><b>Peak intensity</b> 2.2 cd/m</p> <p><b>LEDs/each optic</b> 1</p> <p><b>Light colour</b> White</p> <p><b>Required components:</b> C15427_FLORENTINA-1-SHD-60</p>		
<p> <b>LED</b> XHP35 HD</p> <p><b>FWHM / FWTM</b> 32.0° / 58.0°</p> <p><b>Efficiency</b> 76 %</p> <p><b>Peak intensity</b> 2.2 cd/m</p> <p><b>LEDs/each optic</b> 1</p> <p><b>Light colour</b> White</p> <p><b>Required components:</b> C15427_FLORENTINA-1-SHD-60</p>		
<p> <b>LED</b> XHP35 HI</p> <p><b>FWHM / FWTM</b> 31.0° / 54.0°</p> <p><b>Efficiency</b> 77 %</p> <p><b>Peak intensity</b> 2.5 cd/m</p> <p><b>LEDs/each optic</b> 1</p> <p><b>Light colour</b> White</p> <p><b>Required components:</b></p>		
<p> <b>LED</b> XP-G2</p> <p><b>FWHM / FWTM</b> 31.0° / 53.0°</p> <p><b>Efficiency</b> 78 %</p> <p><b>Peak intensity</b> 2.6 cd/m</p> <p><b>LEDs/each optic</b> 1</p> <p><b>Light colour</b> White</p> <p><b>Required components:</b> C15427_FLORENTINA-1-SHD-60</p>		

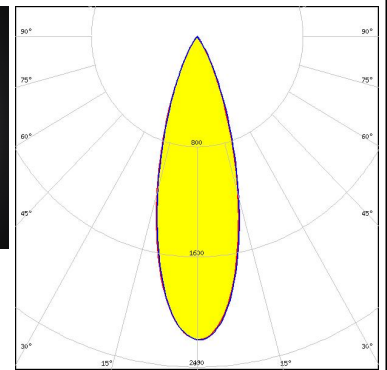
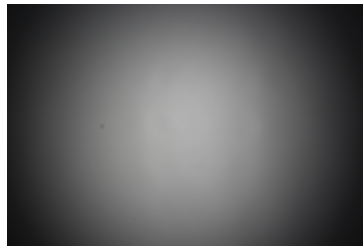
#### OPTICAL RESULTS (MEASURED):



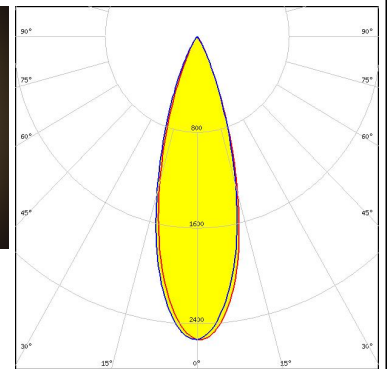
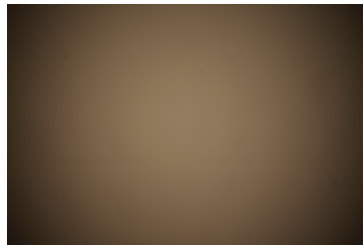
LED XP-L HD  
 FWHM / FWTM 31.0° / 56.0°  
 Efficiency 76 %  
 Peak intensity 2.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



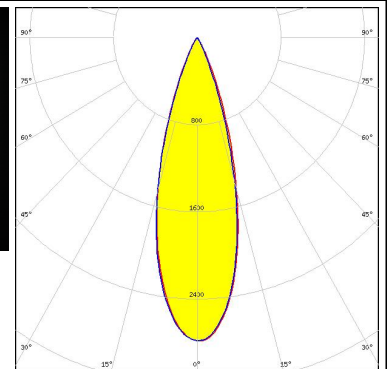
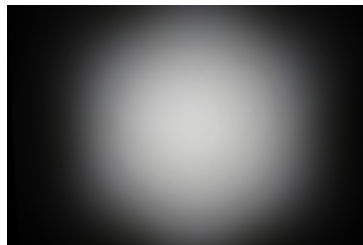
LED XP-L2  
 FWHM / FWTM 32.0° / 57.0°  
 Efficiency 74 %  
 Peak intensity 2.2 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



LED XT-E  
 FWHM / FWTM 31.0° / 52.0°  
 Efficiency 76 %  
 Peak intensity 2.5 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM 31.0° / 51.0°  
 Efficiency 80 %  
 Peak intensity 2.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:

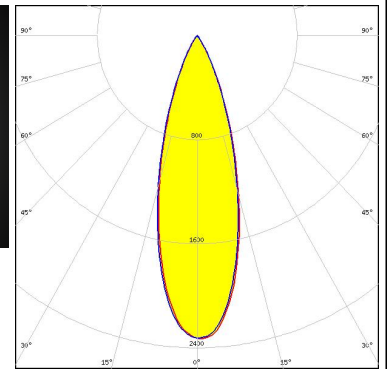




#### OPTICAL RESULTS (MEASURED):

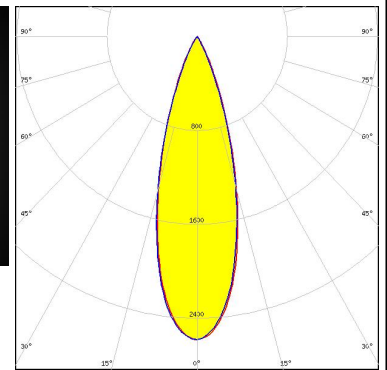
##### LUMILEDS

LED LUXEON 5050 Round LES  
 FWHM / FWTM 31.0° / 56.0°  
 Efficiency 77 %  
 Peak intensity 2.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



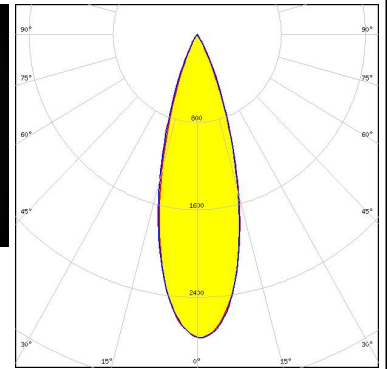
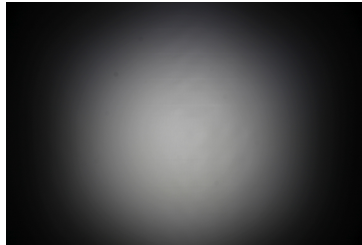
##### LUMILEDS

LED LUXEON TX  
 FWHM / FWTM 31.0° / 53.0°  
 Efficiency 77 %  
 Peak intensity 2.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



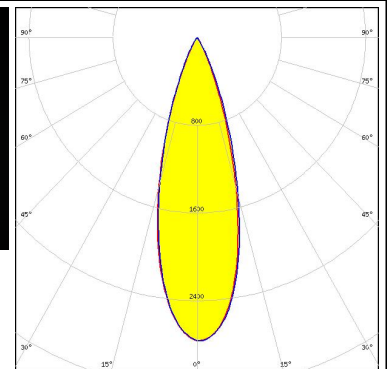
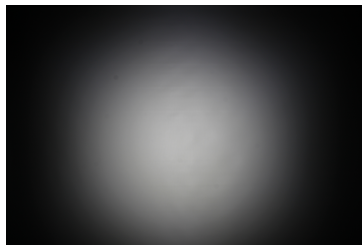
##### NICHIA

LED NF2x757G  
 FWHM / FWTM 31.0° / 52.0°  
 Efficiency 81 %  
 Peak intensity 2.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60

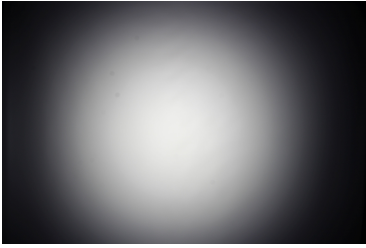
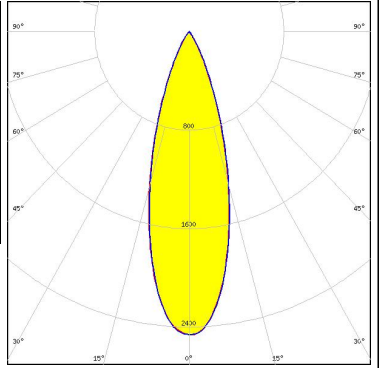
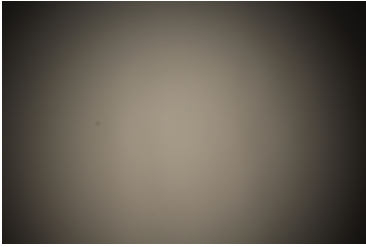
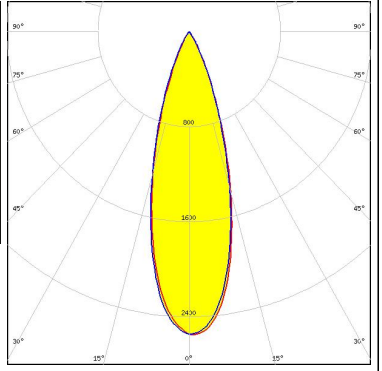
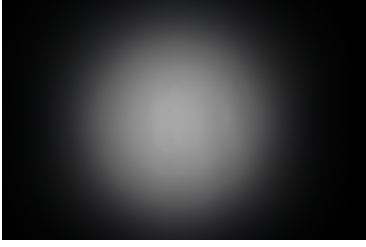
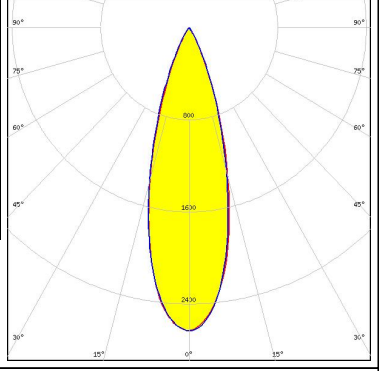
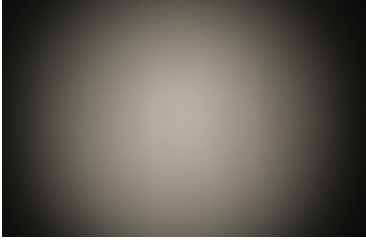
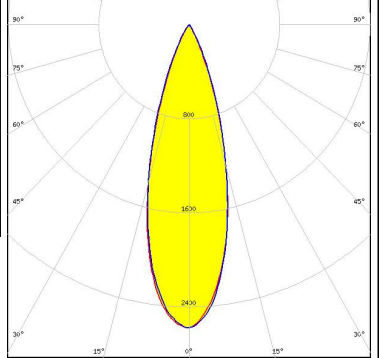


##### NICHIA

LED NF2x757G  
 FWHM / FWTM 31.0° / 52.0°  
 Efficiency 82 %  
 Peak intensity 2.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16701\_FLORENTINA-1-SHD-60-WHT



#### OPTICAL RESULTS (MEASURED):

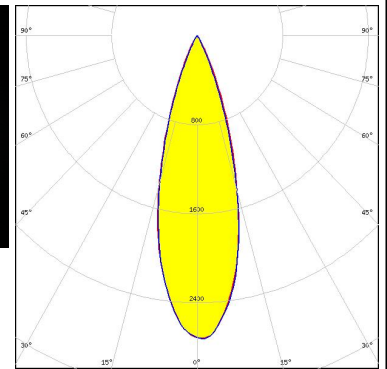
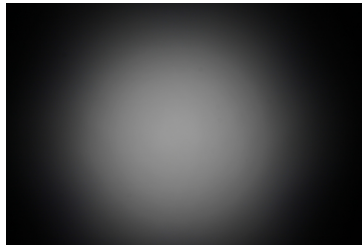
<p><b>NICHIA</b></p> <p>LED NVSW319B            FWHM / FWTM 31.0° / 56.0°            Efficiency 79 %            Peak intensity 2.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM / FWTM 31.0° / 53.0°            Efficiency 78 %            Peak intensity 2.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLOM Square CSSRM2/CSSRM3            FWHM / FWTM 31.0° / 53.0°            Efficiency 79 %            Peak intensity 2.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLOM Square EC            FWHM / FWTM 31.0° / 53.0°            Efficiency 78 %            Peak intensity 2.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		

#### OPTICAL RESULTS (MEASURED):

#### OSRAM

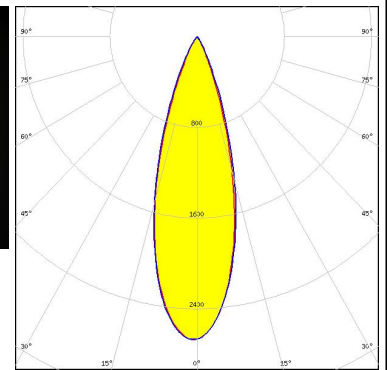
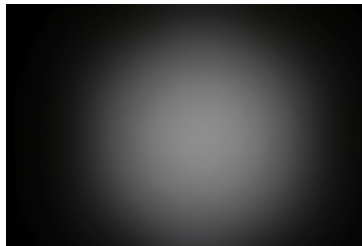
Opto Semiconductors

LED OSLON SSL 150  
 FWHM / FWTM 31.0° / 52.0°  
 Efficiency 78 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



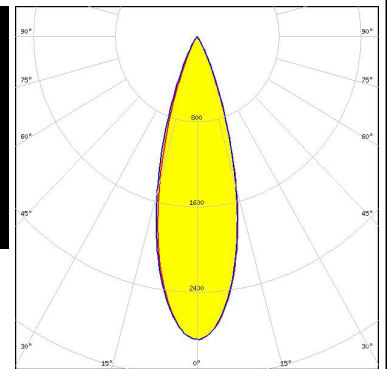
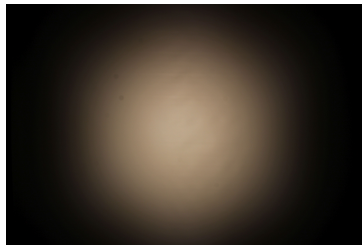
#### SAMSUNG

LED LM561B  
 FWHM / FWTM 31.0° / 53.0°  
 Efficiency 80 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



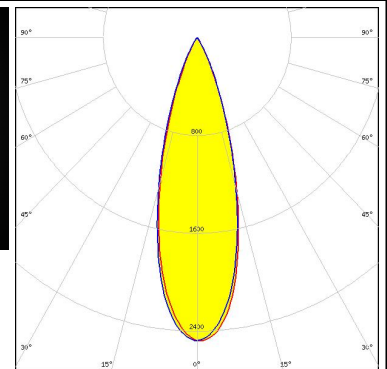
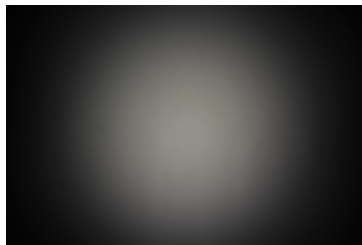
SEOUL SEMICONDUCTOR

LED SEOUL 5630  
 FWHM / FWTM 31.0° / 52.0°  
 Efficiency 83 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



SEOUL SEMICONDUCTOR

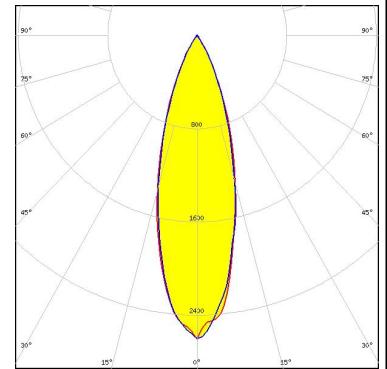
LED Z8Y22P  
 FWHM / FWTM 30.0° / 52.0°  
 Efficiency 74 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



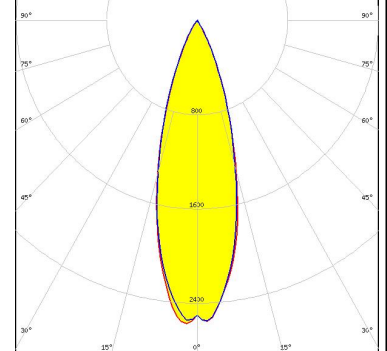
#### OPTICAL RESULTS (SIMULATED):



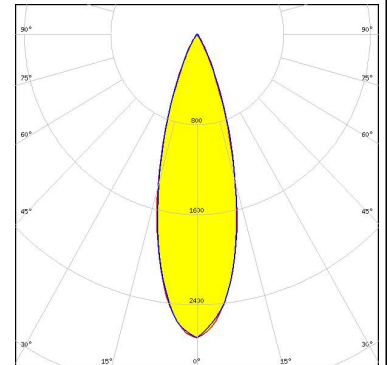
LED XP-G2 HE  
 FWHM / FWTM 31.0° / 58.0°  
 Efficiency 86 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



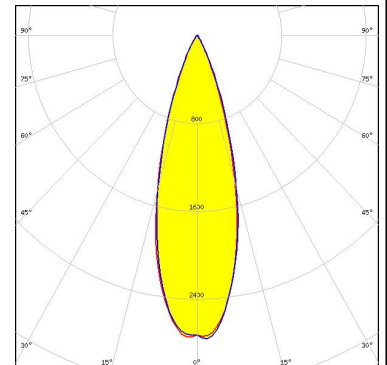
LED LH351B  
 FWHM / FWTM 31.0° / 55.0°  
 Efficiency 81 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



LED Z5M3  
 FWHM / FWTM 30.0° / 54.0°  
 Efficiency 84 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Z5M4  
 FWHM / FWTM 31.0° / 53.0°  
 Efficiency 85 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### 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

#### 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/  
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)