

FLORENTINA-1-D

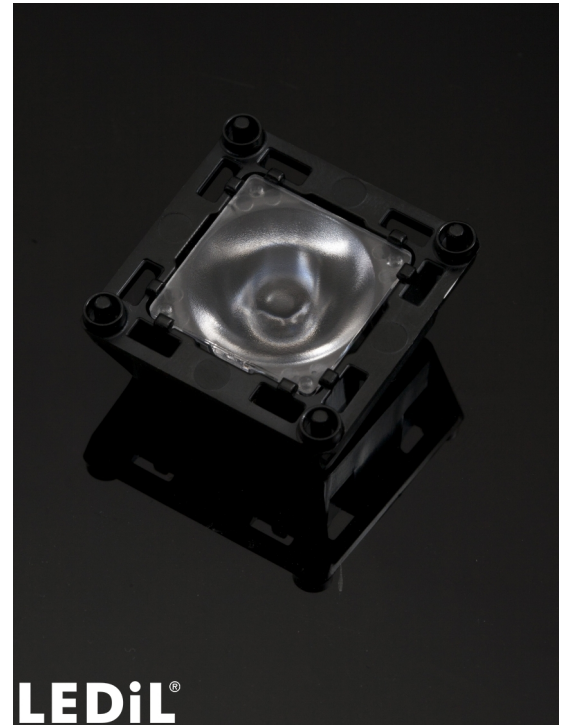
~18° diffused spot beam

TECHNICAL SPECIFICATIONS:

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

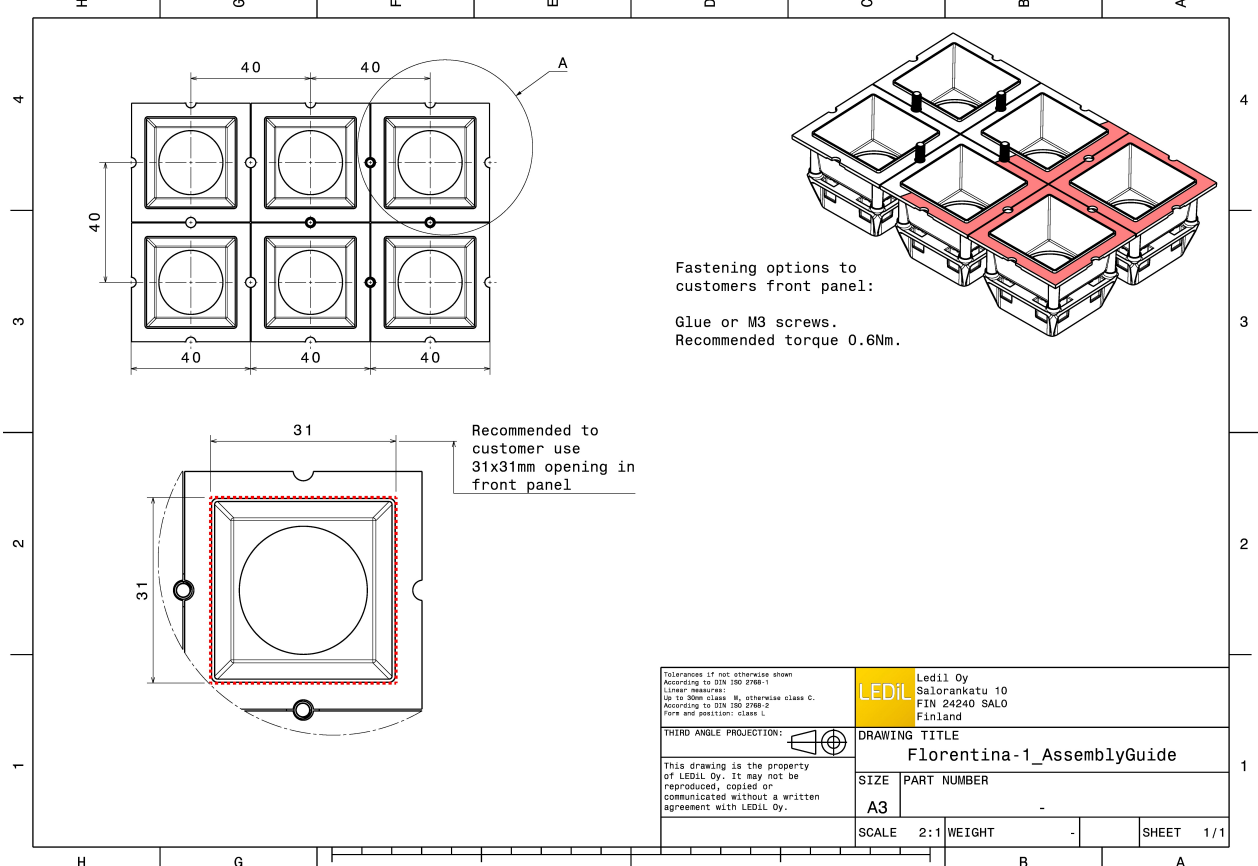
MATERIAL SPECIFICATIONS:

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



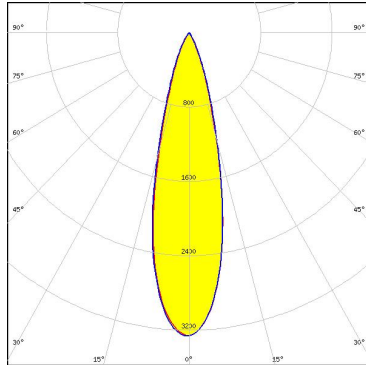


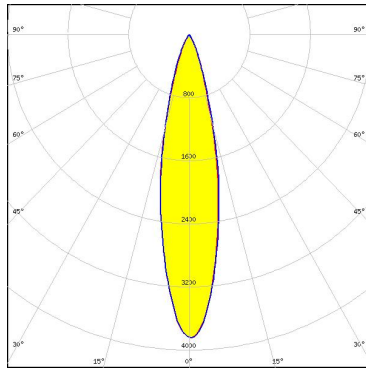

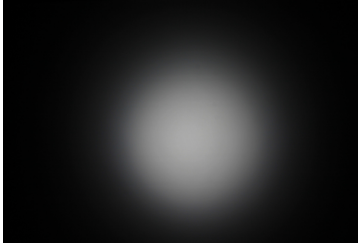
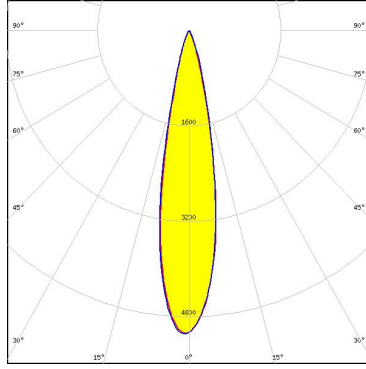


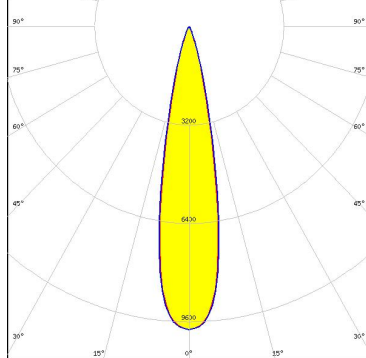


ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| FCA15450_FLORENTINA-1-D | Single lens | 840 | | 60 | 7.9 |
| » Box size: 480 x 280 x 300 mm | | | | | |



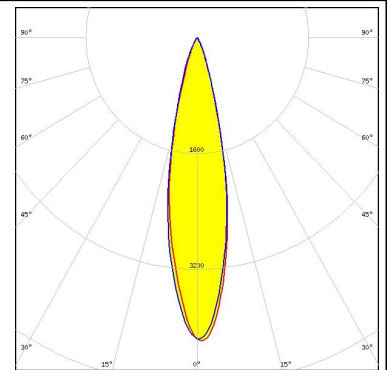
PHOTOMETRIC DATA (MEASURED):

| | | |
|---|--|---|
| <p> bridgelux</p> <p>LED Bridgelux SMD 5050 FWHM 26.0° Efficiency 78 % Peak intensity 3.3 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |
| <p> CREE</p> <p>LED XHP35 HD FWHM 23.0° Efficiency 77 % Peak intensity 3.9 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |
| <p> CREE</p> <p>LED XHP35 HI FWHM 21.0° Efficiency 77 % Peak intensity 5.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p> CREE</p> <p>LED XP-G2 FWHM 21.0° Efficiency 77 % Peak intensity 5.1 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |

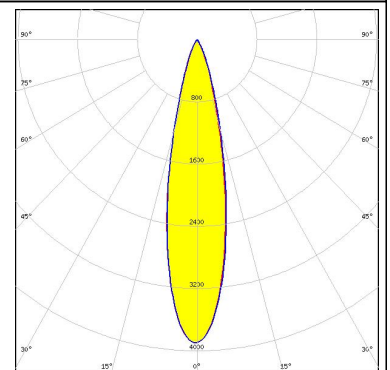
PHOTOMETRIC DATA (MEASURED):



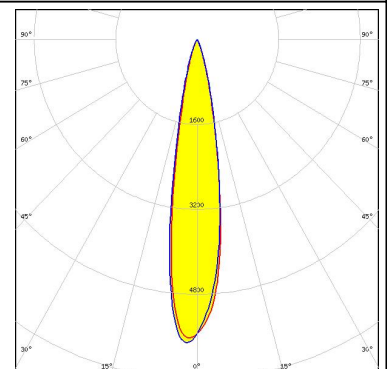
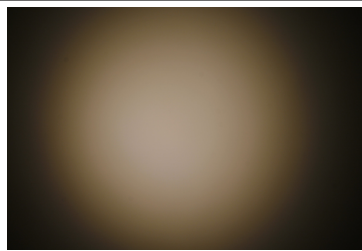
LED XP-L HD
 FWHM 23.0°
 Efficiency 76 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



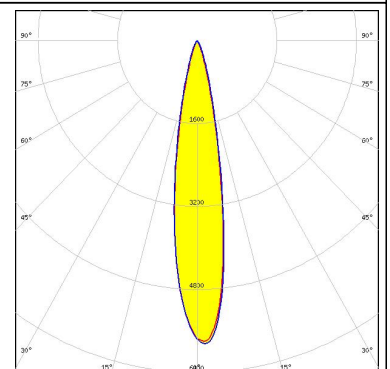
LED XP-L2
 FWHM 23.0°
 Efficiency 75 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60




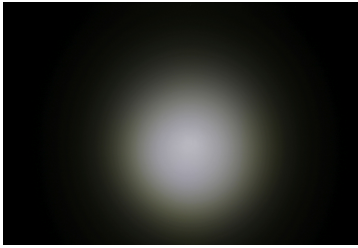
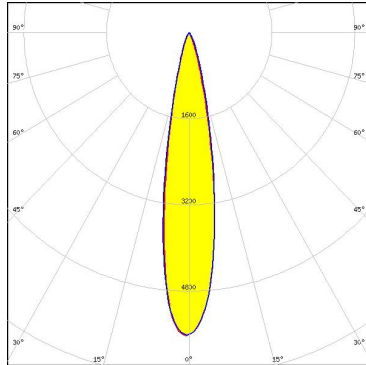


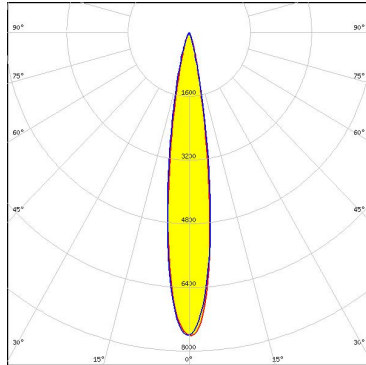

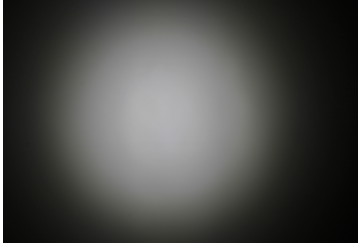
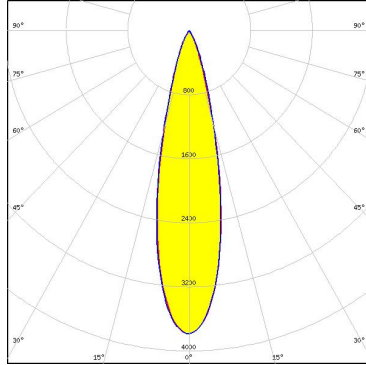


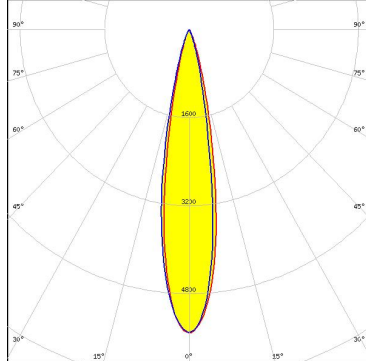
LED XT-E
 FWHM 18.0°
 Efficiency 76 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60




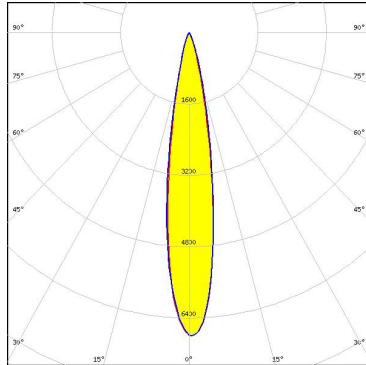
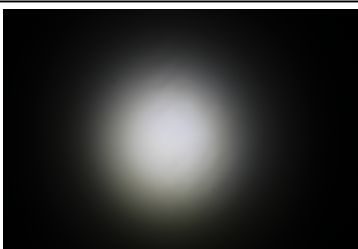
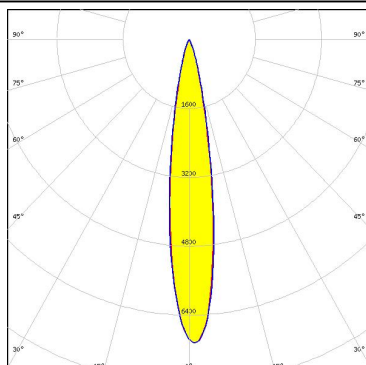
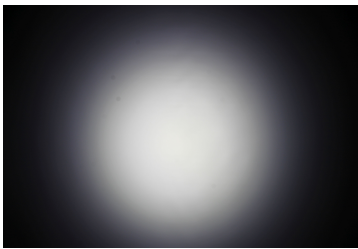
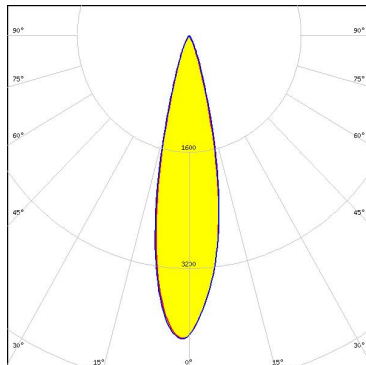
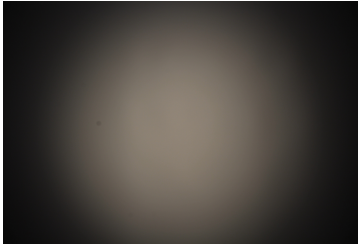
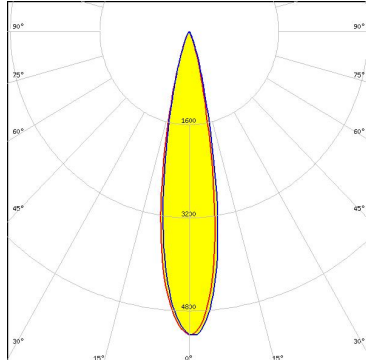
LED LG 5630
 FWHM 19.0°
 Efficiency 82 %
 Peak intensity 5.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16701_FLORENTINA-1-SHD-60-WHT



PHOTOMETRIC DATA (MEASURED):

| | | |
|--|--|---|
| <p> LG Innotek</p> <p>LED LG 5630 FWHM 19.0° Efficiency 81 % Peak intensity 5.6 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |
| <p> LUMILEDS</p> <p>LED LUXEON 3030 2D (Round LES) FWHM 16.0° Efficiency 79 % Peak intensity 7.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p> LUMILEDS</p> <p>LED LUXEON 5050 Round LES FWHM 24.0° Efficiency 79 % Peak intensity 3.8 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |
| <p> LUMILEDS</p> <p>LED LUXEON TX FWHM 19.0° Efficiency 77 % Peak intensity 5.5 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |

PHOTOMETRIC DATA (MEASURED):

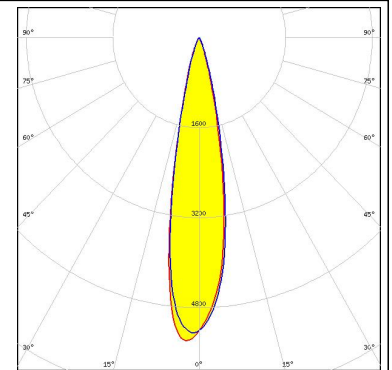
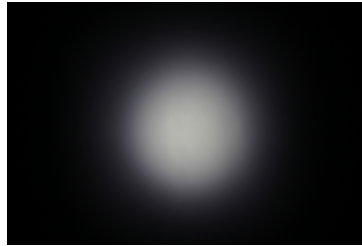
| | | |
|---|--|---|
| <p>NICHIA</p> <p>LED NF2x757G FWHM 18.0° Efficiency 82 % Peak intensity 6.8 cd/lm LEDs/each optic 1 Light colour White Required components: C16701_FLORENTINA-1-SHD-60-WHT</p> |  |  |
| <p>NICHIA</p> <p>LED NF2x757G FWHM 17.0° Efficiency 81 % Peak intensity 7.2 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |
| <p>NICHIA</p> <p>LED NVSW319B FWHM 24.0° Efficiency 79 % Peak intensity 4.2 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |
| <p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM 20.0° Efficiency 78 % Peak intensity 5.2 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |

PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

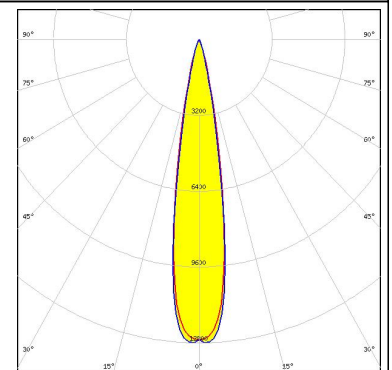
LED OSLOM Square CSSRM2/CSSRM3
 FWHM 20.0°
 Efficiency 79 %
 Peak intensity 5.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



OSRAM

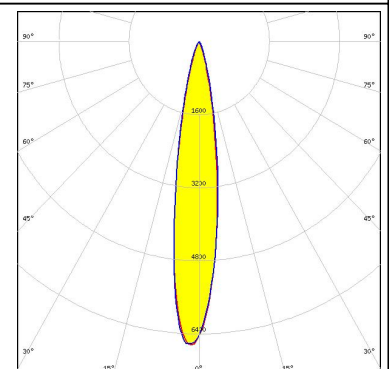
Opto Semiconductors

LED OSLOM SSL 150
 FWHM 18.0°
 Efficiency 77 %
 Peak intensity 6.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



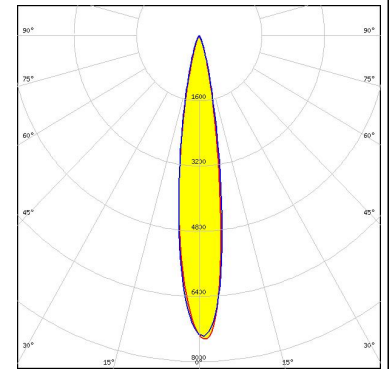
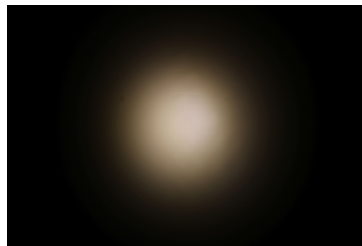
SAMSUNG

LED LM561B
 FWHM 17.0°
 Efficiency 80 %
 Peak intensity 6.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60

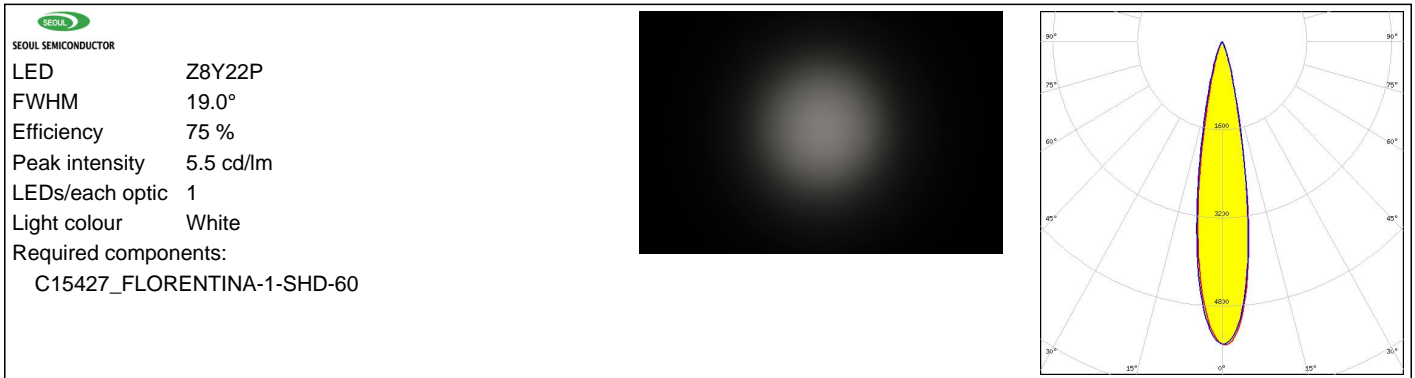


SEOUL SEMICONDUCTOR

LED SEOUL 5630
 FWHM 16.0°
 Efficiency 82 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



PHOTOMETRIC DATA (MEASURED):



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

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)