

FLORENTINA-1-MRK-W

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

TECHNICAL SPECIFICATIONS:

Dimensions	39.7 x 39.7 mm
Height	13 mm
Fastening	pin
ROHS compliant	yes 

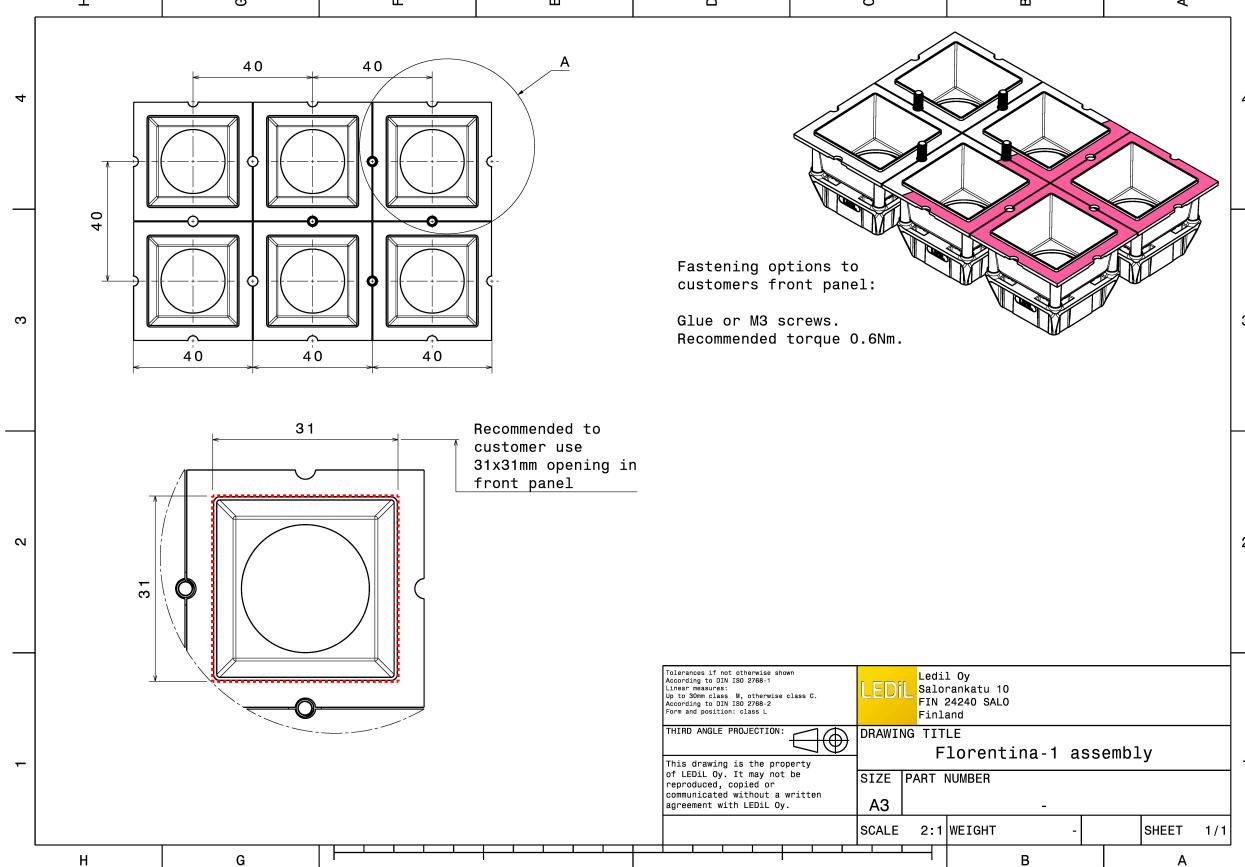
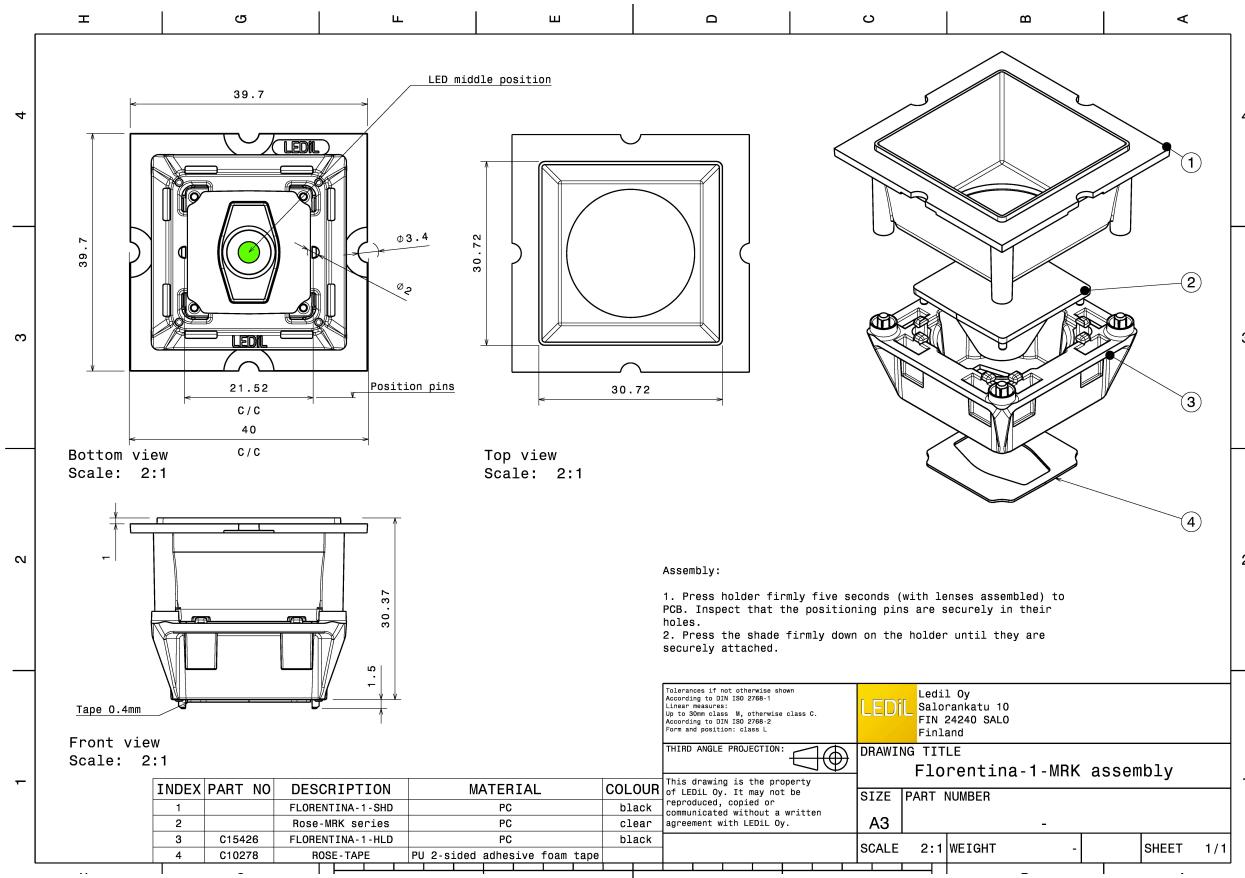


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
ROSE-MRK-W	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)
FCA15513_FLORENTINA-1-MRK-W » Box size: 480 x 280 x 300 mm	Single lens	840	60	7.9

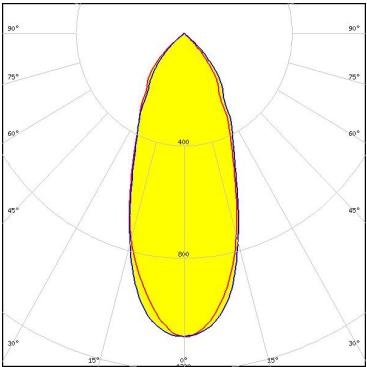


See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

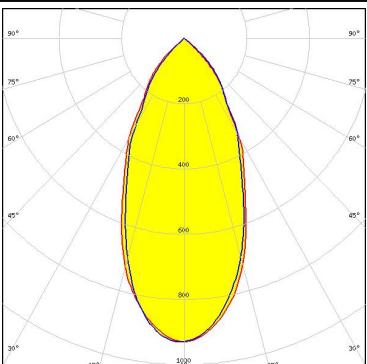
LUMILEDS

LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 42.0° / 90.0°
 Efficiency 76 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



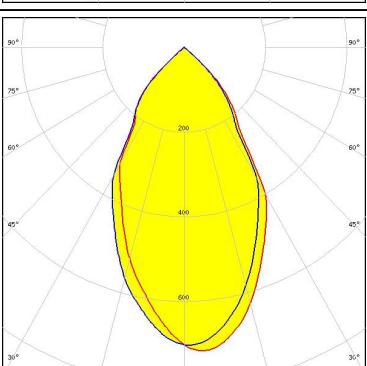
LUMILEDS

LED LUXEON 5050 Round LES
 FWHM / FWTM 48.0° / 93.0°
 Efficiency 74 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



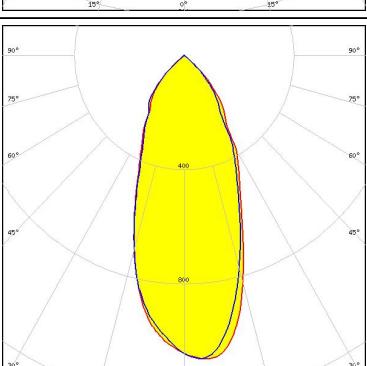
LUMILEDS

LED LUXEON M/MX
 FWHM / FWTM 57.0° / 96.0°
 Efficiency 70 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



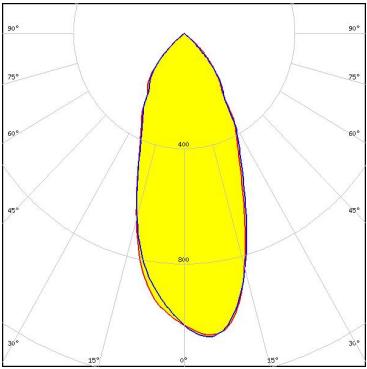
NICHIA

LED NF2x757G
 FWHM / FWTM 42.0° / 91.0°
 Efficiency 76 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

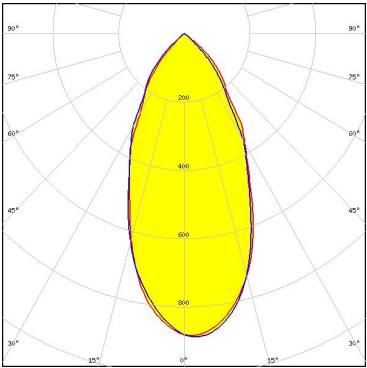
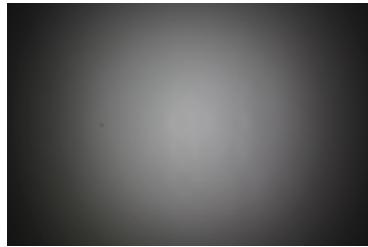


PHOTOMETRIC DATA (MEASURED):

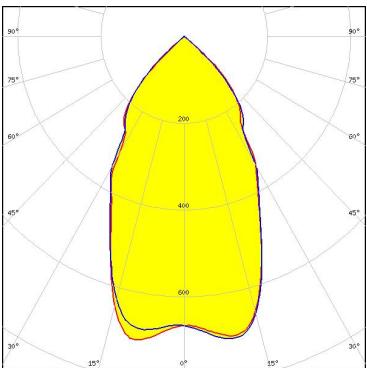
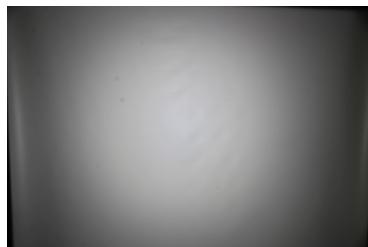
 NICHIA	
LED	NF2x757G
FWHM / FWTM	42.0° / 90.0°
Efficiency	76 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C15427 FLORENTINA-1-SHD-60	



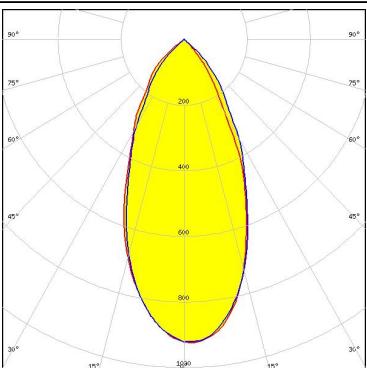
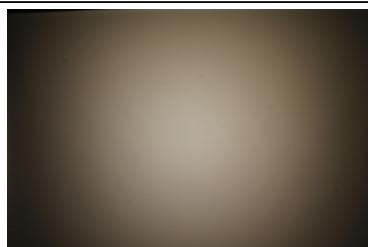
 NICHIA	
LED	NFMW48xA
FWHM / FWTM	48.0° / 92.0°
Efficiency	71 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C15427_FLORENTINA-1-SHD-60



 NICHIA	
LED	NVSW319B
FWHM / FWTM	59.0° / 96.0°
Efficiency	73 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C15427_FLORENTINA-1-SHD-60	



OSRAM Opto Semiconductors	
LED	Duris S10
FWHM / FWTM	47.0° / 90.0°
Efficiency	71 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	C15427_FLORENTINA-1-SHD-60

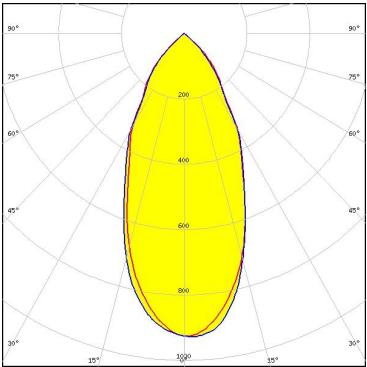


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

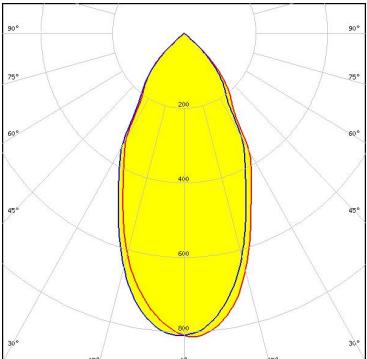
LED Duris S8
FWHM / FWTM 47.0° / 92.0°
Efficiency 73 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



OSRAM

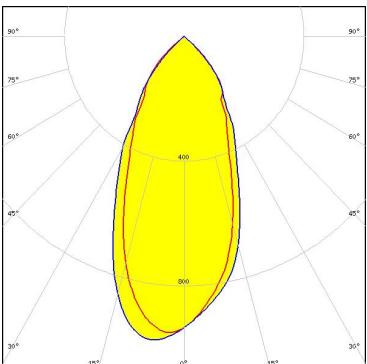
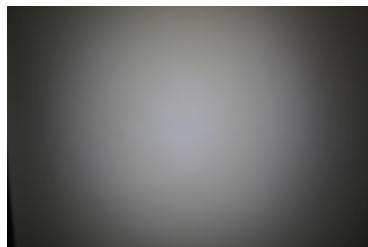
Opto Semiconductors

LED OSCONIQ P 7070
FWHM / FWTM 52.0° / 95.0°
Efficiency 70 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



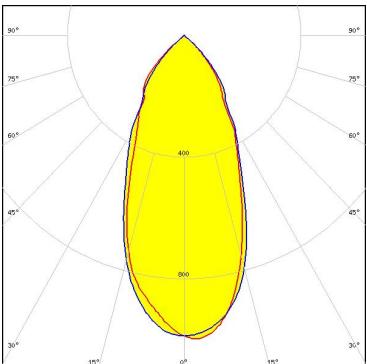
SAMSUNG

LED LM561B
FWHM / FWTM 46.0° / 92.0°
Efficiency 75 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



SEOUL SEMICONDUCTOR

LED SEOUL 5630
FWHM / FWTM 46.0° / 92.0°
Efficiency 77 %
Peak intensity 1 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.

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)