

FLORENTINA-2X2-MRK-M

 ${\sim}40^\circ$ medium beam. Compatible with ultra high power LEDs.

TECHNICAL SPECIFICATIONS:

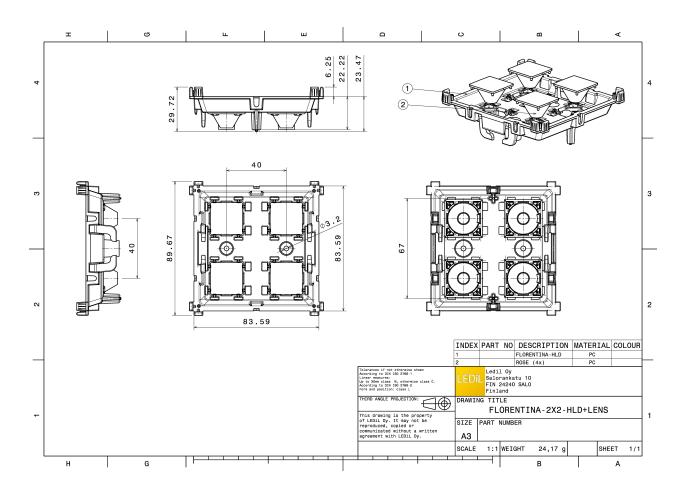
Dimensions	89.7 mm
Height	17.7 mm
Fastening	pin, screw
Colour	black
Box size	476 x 273 x 292 mm
Box weight	4.2 kg
Quantity in Box	88 pcs
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

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

E D E R PRODUCT DATASHEET 15705_FLORENTINA-2X2-MRK-M





CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14960_FLOR	XHP35 HD 39.0° 82 % 1.700 cd/lm 1 White	94* 945 75* 660 64* 60* 75* 60* 150 150 150 150
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14734_FLOR	XHP35 HD 39.0° 79 % 1.700 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C15196_FLOR	XHP35 HD 39.0° 79 % 1.700 cd/lm 1 White	27 29 40 40 40 40 40 40 40 40 40 40
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14734_FLOR	XHP50 41.0° 76 % 1.400 cd/lm 1 White	25° 0° 25° 99° 99° 99° 400 90° 400 90° 400 90° 90° 90° 90° 90° 90° 90° 9



CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C15196_FLOR	XHP50 41.0° 76 % 1.400 cd/lm 1 White	30° 00 00° 00° 00° 00° 00° 00° 00° 00° 0
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14960_FLOR	XHP50 41.0° 80 % 1.400 cd/lm 1 White	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14960_FLOR	XHP70 48.0° 77 % 1.300 cd/lm 1 White	20- 20- 21- 22- 23- 23- 23- 24- 20- 20- 20- 20- 20- 20- 20- 20
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14734_FLOR	XHP70 48.0° 69 % 1.200 cd/lm 1 White	20° 0° 12° 30° 0° 12° 6° 0° 90° 90° 90° 90° 90° 90° 90° 9



CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C15196_FLOR	XHP70 48.0° 48.0° 1000 70 % 1000 1.200 cd/lm 1000 1 1000 White 1000	
LG Innot LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C14960_FLOR	H70E0 46.0° 80 % 1.200 cd/lm 1 White	
CLED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C14734_FLOR	H70E0 45.0° 75 % 1.200 cd/lm 1 White	20° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C15196_FLOR	H70E0 45.0° 76 % 1.200 cd/lm 1 White	24- 120 100 100 100 100 100 100 100



EUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14734_FLOR	LUXEON M/MX 42.0° 74 % 1.400 cd/lm 1 White	50 50 50 50 50 50 50 50 50 50
Ethician composition of the second state of th	LUXEON M/MX 41.0° 74 % 1.400 cd/lm 1 White	30 30 40 50 40 40 50 40 50 40 50 40 50 50 40 50 50 50 50 50 50 50 50 50 5
EUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON M/MX 43.0° 82 % 1.400 cd/lm 1 White	25° 0° 25° 2°
LUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14960_FLOR	LUXEON M/MX 42.0° 79 % 1.400 cd/lm 1 White	5, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12



ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14734_FLOR	LUXEON MZ 33.0° 78 % 2.200 cd/lm 1 White	30° 50° 50° 50° 50° 50° 50° 50° 5
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C15196_FLOR	LUXEON MZ 33.0° 77 % 2.200 cd/lm 1 White	201 201 201 201 201 201 201 201
EUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14960_FLOR	LUXEON MZ 33.0° 81 % 2.200 cd/lm 1 White	30° 10° 30° 10° 30°
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14960_FLOR	White	20 20 20 20 20 20 20 20 20 20



OSRAM Opto Semiconductors		90 ⁴ 90 ⁴
LED	OSCONIQ P 7070	75* 75*
FWHM	40.0°	$\Gamma \setminus \mathbb{Z} \times \mathbb{Z} \times \mathbb{Z}$
Efficiency	70 %	605 607
Peak intensity	1.500 cd/lm	$f \times / f \to X \to Y$
LEDs/each optic	1	
Light colour	White	43*
Required compor	ents:	
C14734_FLOR	ENTINA-2X2-SHD	12%
		36*
		 15° 0° 15°
OSRAM Opto Semiconductors		90* 90*
LED	OSCONIQ P 7070	
FWHM	40.0°	75* 75*
Efficiency	71 %	60° 60°
Peak intensity	1.500 cd/lm	$f \times / / \times \gamma$
LEDs/each optic	1	
Light colour	White	a
Required compor	ents:	
	ENTINA-2X2-SHD-OPEN	1230
		30°
		1600 15° 0 ⁸ 15°



PHOTOMETRIC DATA (SIMULATED):

Μ ΝΙCΗΙΛ		94 94
LED	NV4x144A	
FWHM	42.0°	25"
Efficiency	76 %	60 ⁵
Peak intensity	1.390 cd/lm	$\Gamma \times / \Gamma \wedge X$
LEDs/each optic 1		
Light colour Wh		43° - 800 - 43°
Required components		
C14734_FLOREN	TINA-2X2-SHD	1200
		35" 25" 0" 35" 36"
OSRAM Opto Semiconductors		80
LED	Duris S8	
FWHM	39.0°	32.
Efficiency		
LINCIENCY	76 %	50 ⁴ 50 ⁴
Peak intensity	76 % 1.480 cd/lm	60.
Peak intensity		
Peak intensity LEDs/each optic 1 Light colour Wh	1.480 cd/lm	
Peak intensity LEDs/each optic 1 Light colour Wh Required component	1.480 cd/lm nite s:	
Peak intensity LEDs/each optic 1 Light colour Wh	1.480 cd/lm nite s:	
Peak intensity LEDs/each optic 1 Light colour Wh Required component	1.480 cd/lm nite s:	\$7 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
Peak intensity LEDs/each optic 1 Light colour Wh Required component	1.480 cd/lm nite s:	\$7 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)



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

Shipping locations Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/ where_to_buy