

FLORENTINA-1-MRK-M

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

SPECIFICATION:

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



MATERIALS:

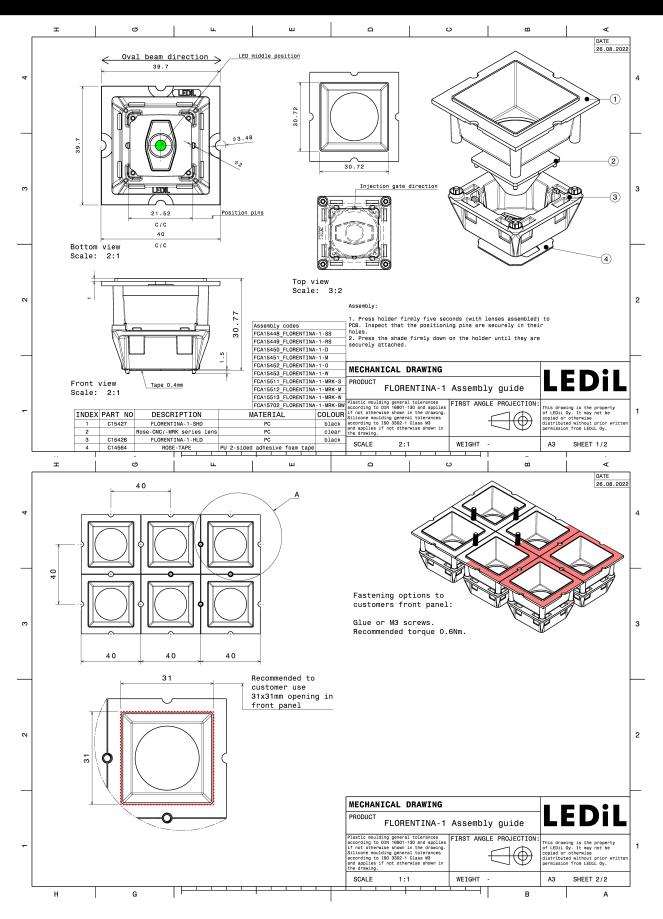
Component	
ROSE-MRK-M	
FLORENTINA-1-HLD	
ROSE-TAPE	

Туре	Material
Single lens	PC
Holder	PC
Таре	Acrylic foam

Colour	Finish
clear	
black	
black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA15512_FLORENTINA-1-MRK-M	Single lens	840		60	7.7
» Box size: 480 x 280 x 300 mm					



R

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



		30* 30*
LED	XHP35 HI	
FWHM / FWTM	33.0° / 57.0°	
Efficiency	77 %	
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour	White	gr ar
Required compone	ents:	
	ENTINA-1-SHD-60	
		30 ⁴ 300 30
	EDC	35 ⁴ 6 ⁴ 12 ⁴
LED	LUXEON 3030 2D (Round LES)	27
FWHM / FWTM	29.0° / 53.0°	
Efficiency	79 %	
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		202
		30 20 20 20
	.EDS	80 ⁴
LED	LUXEON 5050 Round LES	
FWHM / FWTM	37.0° / 61.0°	
Efficiency	78 %	
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	g* g*
Required compone	ents:	
C15427_FLORE	ENTINA-1-SHD-60	100
		34" 2000 34"
	FDS	237 6 22"
LED	LUXEON M/MX	75
FWHM / FWTM	42.0° / 65.0°	
Efficiency	75 %	
Peak intensity LEDs/each optic	1.4 cd/lm 1	
LEDs/each optic	1 White	
Required compone		
G15427_FLORE	ENTINA-1-SHD-60	
		30 207 07 30



ØNICHI∕	N Contraction of the second seco		50°
LED	NF2x757G		
FWHM / FWTM	31.0° / 54.0°		
Efficiency	80 %		800
Peak intensity	2.6 cd/lm		
LEDs/each optic	1		
Light colour	White		95° 6
Required compone	ents:		
C16701_FLORE	ENTINA-1-SHD-60-WHT		
			2430
			30 ⁴ 15 ⁷ 0 ⁴ 15 ⁴
ØNICHI	N Contraction of the second se		90°
LED	NF2x757G		
FWHM / FWTM	30.0° / 54.0°		
Efficiency	81 %		60 ⁵
Peak intensity	2.7 cd/lm		
LEDs/each optic	1		
Light colour	White		97° 4
Required compone	ents:		
C15427_FLORE	ENTINA-1-SHD-60		
			2170
			30 ⁴ 37 07 137
ØNICHI∕	N Contraction of the second se		90%
LED			
	NFMW48xA		
FWHM / FWTM	NFMW48xA 37.0° / 61.0°		73'
			29. 60.
FWHM / FWTM	37.0° / 61.0°		37. 60 60
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	37.0° / 61.0° 75 %		75°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	37.0° / 61.0° 75 % 1.8 cd/lm 1 White		73. 94 00 00 00 00 00
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	37.0° / 61.0° 75 % 1.8 cd/lm 1 White ents:		25. 04 25. 25. 25. 25. 25. 25. 25. 25.
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	37.0° / 61.0° 75 % 1.8 cd/lm 1 White		23. 64 86 86 86 86 86 86 86 86 86 86 86 86 86
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	37.0° / 61.0° 75 % 1.8 cd/lm 1 White ents:		97 60 57 150 1602
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	37.0° / 61.0° 75 % 1.8 cd/lm 1 White ents:		27. 61 280 29. 29. 200 200 200 200 200 200 200 20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	37.0° / 61.0° 75 % 1.8 cd/lm 1 White ents: ENTINA-1-SHD-60		50°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	37.0° / 61.0° 75 % 1.8 cd/lm 1 White ents: ENTINA-1-SHD-60		157
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	37.0° / 61.0° 75 % 1.8 cd/lm 1 White ents: ENTINA-1-SHD-60		157
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	37.0° / 61.0° 75 % 1.8 cd/lm 1 White ents: ENTINA-1-SHD-60		157
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	37.0° / 61.0° 75 % 1.8 cd/lm 1 White ents: ENTINA-1-SHD-60 NVSW319B 21.0° / 40.0°		157
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	37.0° / 61.0° 75 % 1.8 cd/lm 1 White ents: ENTINA-1-SHD-60 NVSW319B 21.0° / 40.0° 75 %		157
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	37.0° / 61.0° 75 % 1.8 cd/lm 1 White ents: ENTINA-1-SHD-60 NVSW319B 21.0° / 40.0° 75 % 4.5 cd/lm		157
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	37.0° / 61.0° 75 % 1.8 cd/lm 1 White ents: ENTINA-1-SHD-60 NVSW319B 21.0° / 40.0° 75 % 4.5 cd/lm 1 White		157
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	37.0° / 61.0° 75 % 1.8 cd/lm 1 White ents: ENTINA-1-SHD-60 NVSW319B 21.0° / 40.0° 75 % 4.5 cd/lm 1 White		157
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	37.0° / 61.0° 75 % 1.8 cd/lm 1 White ents: ENTINA-1-SHD-60 NVSW319B 21.0° / 40.0° 75 % 4.5 cd/lm 1 White ents:		157
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	37.0° / 61.0° 75 % 1.8 cd/lm 1 White ents: ENTINA-1-SHD-60 NVSW319B 21.0° / 40.0° 75 % 4.5 cd/lm 1 White ents:		157



OSRAM Opto Semiconductors		90 ⁴ 90 ⁴
LED	Duris S10	
FWHM / FWTM	38.0° / 62.0°	31
Efficiency	70 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	gr ar
Required compone	ents:	
	ENTINA-1-SHD-60	
		316 32
0000414		*et 40 /et /
OSRAM Opto Semiconductors		95 ⁴ 97
LED	Duris S8	
FWHM / FWTM	38.0° / 61.0°	
Efficiency	75 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	di di
Required compone	ents:	
C15427_FLORE	ENTINA-1-SHD-60	
		20°
OSRAM Opto Semiconductors		20 ⁴
LED	OSCONIQ P 7070	
FWHM / FWTM	40.0° / 62.0°	<u>7</u>
Efficiency	74 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	ar ar
Required compone	ents:	
	ENTINA-1-SHD-60	
		30 550 30
OCDAM		
OSRAM Opto Semiconductors		90*
LED	OSLON SSL 150	
FWHM / FWTM	27.0° / 49.0°	
Efficiency	76 %	60 ⁴ 60 ⁴
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	9 ⁴ 189 0 ⁴
Required compone	ents:	
C15427_FLORE	ENTINA-1-SHD-60	
		- 400
		*** *** ***



SAMS	UNG	50* 50*
LED	LM561B	
FWHM / FWTM	31.0° / 55.0°	
Efficiency	80 %	
Peak intensity	2.6 cd/lm	
LEDs/each optic	1	
Light colour	White	g. 100 g.
Required compone	ents:	
C15427_FLORI	ENTINA-1-SHD-60	
		200
		304 304
		125 ⁴ 0 ⁶ 125 ⁴
		50*
LED	SEOUL 5630	
FWHM / FWTM	30.0° / 54.0°	72
Efficiency	83 %	
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour	White	g+ 250 - 25
Required compone	ents:	
C15427_FLORI	ENTINA-1-SHD-60	
		- 240
		30* 30



OPTICAL RESULTS (SIMULATED):

LED LH351B FWHM / FWTM 35.0° / 68.0° Efficiency 77 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: 5 C15427_FLORENTINA-1-SHD-60	90°
FWHM / FWTM 35.0° / 68.0° Efficiency 77 % Peak intensity 1.8 cd/m LEDs/each optic 1 Light colour White Required components: ************************************	
Peak intensity 1.8 cd/m LEDs/each optic 1 Light colour White Required components:	
LEDs/each optic 1 Light colour White Required components:	
LEDs/each optic 1 Light colour White Required components:	$X \setminus I$
Required components:	
Required components:	43.
C15427_FLORENTINA-1-SHD-60	- $/$ $/$
	30*



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

Shipping locations Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/ where_to_buy