

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:

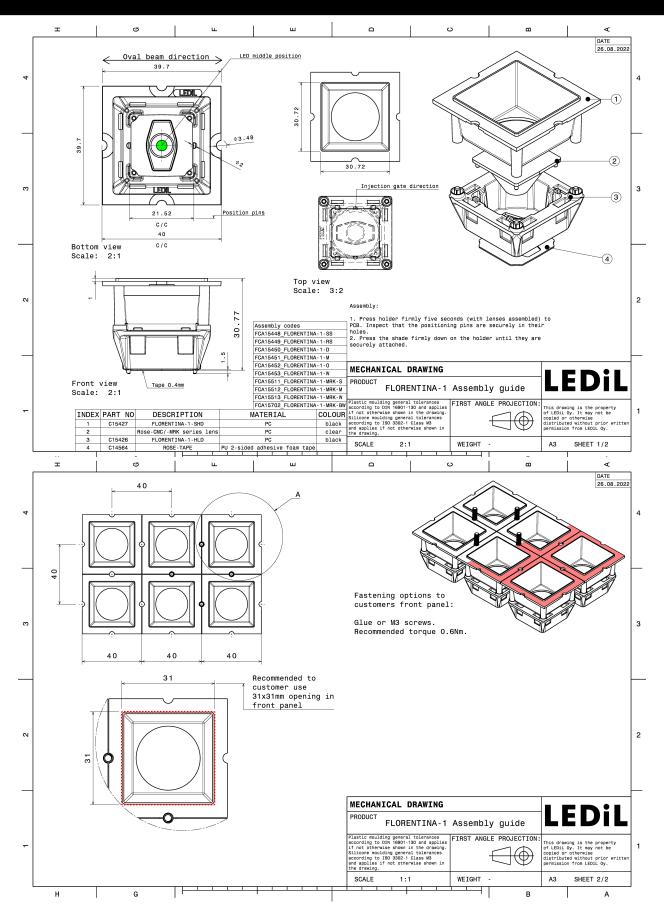
Component
ROSE-MRK-M
FLORENTINA-1-HLD
ROSE-TAPE

Material
PC
PC
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					



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



		50°
LED	XHP35 HI	
FWHM / FWTM	33.0° / 57.0°	
Efficiency	77 %	
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour	White	er e
Required compone		
	ENTINA-1-SHD-60	
		30 ⁴ 200 30
	FDS	23 ⁴ 4 ² 12 ⁴
	LUXEON 3030 2D (Round LES)	
FWHM / FWTM	29.0° / 53.0°	
Efficiency	79 %	9% / / · · · · · · · · · · · · · · · · ·
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		200
		30 ⁴ 12 ⁵ 0 ⁴ 12 ⁵
	EDS	20 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	e [*] e
Required compone	ents:	
	ENTINA-1-SHD-60	
		31.6 2000 30
	EDS	25 ⁴ 0 ⁴ 25 ⁵
FWHM / FWTM	42.0° / 65.0°	
Efficiency	75 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1 White	
Light colour	White	\sim
Required compone		
C15427_FLORE	ENTINA-1-SHD-60	
		30' 30' 30'



ØNICHI/		9°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G 30.0° / 54.0° 81 % 2.7 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16701_FLORE	NF2x757G 31.0° / 54.0° 80 % 2.6 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	NFMW48xA 37.0° / 61.0° 75 % 1.8 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C15427_FLORE	NVSW319B 21.0° / 40.0° 75 % 4.5 cd/lm 1 White	



OSRAM Opto Semiconductors			90* 90*
LED	Duris S10		
FWHM / FWTM	38.0° / 62.0°		75'
Efficiency	70 %		- 400
Peak intensity	1.6 cd/lm		60* 60*
LEDs/each optic	1		
Light colour	White		gr
Required compone			
	ENTINA-1-SHD-60		1200
_			
			300
			15% 0% 15%
OSRAM Opto Semiconductors			90* 90*
LED	Duris S8		
FWHM / FWTM	38.0° / 61.0°		
Efficiency	75 %		60° 60°
Peak intensity	1.8 cd/lm		
LEDs/each optic	1		
Light colour	White		43× 43*
Required compone	nts:		- 1200
C15427_FLORE	ENTINA-1-SHD-60		
			1600
			30. 30.
OSPAM			
Osram Opto Semiconductors			<u>90*</u>
Opto Semiconductors	OSCONIQ P 7070		90 ⁴ 90 ⁴
opto Semiconductors LED FWHM / FWTM	40.0° / 62.0°		10 10 10 10 10 10 10 10 10 10 10 10 10 1
Opto Semiconductors LED FWHM / FWTM Efficiency	40.0° / 62.0° 74 %		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	40.0° / 62.0° 74 % 1.6 cd/lm		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	40.0° / 62.0° 74 % 1.6 cd/lm 1		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	40.0° / 62.0° 74 % 1.6 cd/lm 1 White		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	40.0° / 62.0° 74 % 1.6 cd/lm 1 White ints:		gr gr gr gr gr gr gr gr gr gr gr gr gr g
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	40.0° / 62.0° 74 % 1.6 cd/lm 1 White		g. g. g. g. g. g. g. g. g. g. g. g. g. g
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	40.0° / 62.0° 74 % 1.6 cd/lm 1 White ints:		gr gr gr gr gr gr gr gr gr gr gr gr gr g
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	40.0° / 62.0° 74 % 1.6 cd/lm 1 White ints:		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	40.0° / 62.0° 74 % 1.6 cd/lm 1 White ints:		g: g: 00 50 50 50 50 50 50 50 50 50
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	40.0° / 62.0° 74 % 1.6 cd/lm 1 White Ints: ENTINA-1-SHD-60		5° 5° 6° 6° 5° 6° 50° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	40.0° / 62.0° 74 % 1.6 cd/lm 1 White Ints: INTINA-1-SHD-60		5° 5° 6° 6° 5° 6° 50° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	40.0° / 62.0° 74 % 1.6 cd/lm 1 White Ints: INTINA-1-SHD-60 OSLON SSL 150 27.0° / 49.0°		5
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	40.0° / 62.0° 74 % 1.6 cd/lm 1 White Ints: ENTINA-1-SHD-60 OSLON SSL 150 27.0° / 49.0° 76 %		5
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	40.0° / 62.0° 74 % 1.6 cd/lm 1 White ints: ENTINA-1-SHD-60 OSLON SSL 150 27.0° / 49.0° 76 % 2.7 cd/lm		5
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	40.0° / 62.0° 74 % 1.6 cd/lm 1 White ints: ENTINA-1-SHD-60 OSLON SSL 150 27.0° / 49.0° 76 % 2.7 cd/lm 1		5
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	40.0° / 62.0° 74 % 1.6 cd/lm 1 White ints: INTINA-1-SHD-60 OSLON SSL 150 27.0° / 49.0° 76 % 2.7 cd/lm 1 White		61
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component C15427_FLORE OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	40.0° / 62.0° 74 % 1.6 cd/lm 1 White ints: ENTINA-1-SHD-60 OSLON SSL 150 27.0° / 49.0° 76 % 2.7 cd/lm 1 White ints:		61
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component C15427_FLORE OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	40.0° / 62.0° 74 % 1.6 cd/lm 1 White ints: INTINA-1-SHD-60 OSLON SSL 150 27.0° / 49.0° 76 % 2.7 cd/lm 1 White		61
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component C15427_FLORE OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	40.0° / 62.0° 74 % 1.6 cd/lm 1 White ints: ENTINA-1-SHD-60 OSLON SSL 150 27.0° / 49.0° 76 % 2.7 cd/lm 1 White ints:		



SAMS	UNG		90 ⁴
LED	LM561B		
FWHM / FWTM	31.0° / 55.0°		
Efficiency	80 %		800
Peak intensity	2.6 cd/lm		
LEDs/each optic	1		
Light colour	White		43 ⁻¹
Required compone	ents:		
C15427_FLOR	ENTINA-1-SHD-60		
			200
			344 34
-			13° 0 ⁸ 25°
			90° 50
LED	SEOUL 5630		
FWHM / FWTM	30.0° / 54.0°		
Efficiency	83 %		
	00 /0		
Peak intensity	2.8 cd/lm		60* C
Peak intensity LEDs/each optic			
	2.8 cd/lm		ex- ex-
LEDs/each optic	2.8 cd/lm 1 White		
LEDs/each optic Light colour Required compone	2.8 cd/lm 1 White		er
LEDs/each optic Light colour Required compone	2.8 cd/lm 1 White ents:		
LEDs/each optic Light colour Required compone	2.8 cd/lm 1 White ents:		er. 100 e



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.

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