

FLORENTINA-1-0

~45° + 15° oval beam

TECHNICAL SPECIFICATIONS:

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



MATERIAL SPECIFICATIONS:

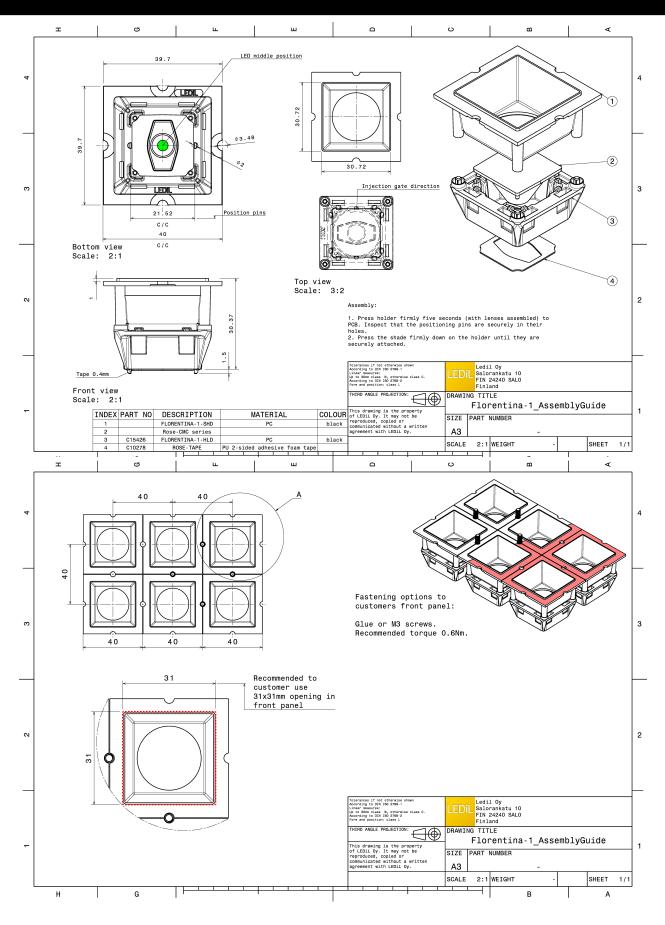
Component ROSE-CMC-O FLORENTINA-1-HLD ROSE-TAPE

Туре
Single lens
Holder
Таре

Material	Colour	Finish
PC	clear	
PC	black	
Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA15452_FLORENTINA-1-O	Single lens	840		60	7.9
» Box size: 480 x 280 x 300 mm					



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



bridgelux.		90*
LED	Bridgelux SMD 5050	
FWHM / FWTM	42.0 + 24.0° / 70.0 + 47.0°	
Efficiency	71 %	
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	er de la companya de
Required compone	ents:	
	ENTINA-1-SHD-60	
		90 ⁴ 90
LED	XHP35 HD	75
FWHM / FWTM	42.0 + 21.0° / 72.0 + 42.0°	
Efficiency	71 %	60* 60
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
C15427_FLORE	ENTINA-1-SHD-60	
		\times \wedge \wedge \wedge \times
		34* 200 30 15 0 ⁴ 15'
	D	x ⁴
LED	XHP35 HI	
FWHM / FWTM	28.0° / 49.0°	
Efficiency	72 %	
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	e ^y
Required compone	ents:	
		· • • • • • • • • • • • • • • • • • • •
		90 ⁴ 00
LED	XP-G2	
FWHM / FWTM	44.0 + 18.0° / 72.0 + 33.0°	
Efficiency	73 %	600 K
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
C15427_FLORE	ENTINA-1-SHD-60	
		15 ³ 0 ⁶ 15 ³



			90° 90
LED	XP-L HD		
FWHM / FWTM	43.0 + 19.0° / 72.0 + 38.0°		23*
Efficiency	71 %		800
Peak intensity	2.4 cd/lm		
LEDs/each optic	1		
Light colour	White		gr
Required compone	nts:		1500
	NTINA-1-SHD-60		
			30* 30
	7		90 ⁴ 90
			······································
	XP-L2		75*
FWHM / FWTM	43.0 + 20.0° / 72.0 + 41.0°		
Efficiency	69 %		60* 60
Peak intensity	2.3 cd/lm		
LEDs/each optic	1		
Light colour	White	_	
Required compone			1600
C15427_FLORE	NTINA-1-SHD-60		
			30 ⁴ 2430 30 15 ⁴ 0 ⁶ 15 ⁵
			90*
LED	XT-E		
FWHM / FWTM	44.0 + 16.0° / 71.0 + 33.0°		25
Efficiency	71 %		800
Peak intensity	2.9 cd/lm		во
LEDs/each optic	1		
Light colour	White		a7 ⁴ 47
Required compone	nts:		
	NTINA-1-SHD-60		
			30° 300
-			15 250
🖉 LUMIL	EDS		90* 90
LED			
	LUXEON 3030 2D (Round LES)		71
FWHM / FWTM	LUXEON 3030 2D (Round LES) 45.0 + 14.0° / 70.0 + 28.0°	-	77
FWHM / FWTM Efficiency			77 000
	45.0 + 14.0° / 70.0 + 28.0°		
Efficiency	45.0 + 14.0° / 70.0 + 28.0° 75 %		77
Efficiency Peak intensity	45.0 + 14.0° / 70.0 + 28.0° 75 % 3.4 cd/lm		60 ²
Efficiency Peak intensity LEDs/each optic	45.0 + 14.0° / 70.0 + 28.0° 75 % 3.4 cd/lm 1 White		60°
Efficiency Peak intensity LEDs/each optic Light colour	45.0 + 14.0° / 70.0 + 28.0° 75 % 3.4 cd/lm 1 White		92 00 92 00 90 90 90 90 90 90 90 90 90 90 90 90 9
Efficiency Peak intensity LEDs/each optic Light colour	45.0 + 14.0° / 70.0 + 28.0° 75 % 3.4 cd/lm 1 White		er er er er er er er er er er er er er e
Efficiency Peak intensity LEDs/each optic Light colour	45.0 + 14.0° / 70.0 + 28.0° 75 % 3.4 cd/lm 1 White		er () () () () () () () () () () () () () (



🥙 LUMIL	EDS	90*
LED	LUXEON 5050 Round LES	
FWHM / FWTM	42.0 + 22.0° / 70.0 + 42.0°	
Efficiency	72 %	
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	, and the second s
Required compone		
C15427_FLORE	ENTINA-1-SHD-60	
		346 25° 3840 15°
🖉 LUMIL	EDS	10
LED	LUXEON TX	
FWHM / FWTM	44.0 + 17.0° / 71.0 + 33.0°	37
Efficiency	72 %	100 100 100 100 100 100 100 100 100 100
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
C15427_FLORE	ENTINA-1-SHD-60	
		30.5 0. 135
ØNICHI/		90*
LED	NF2x757G	
FWHM / FWTM	45.0 + 15.0° / 70.0 + 31.0°	
Efficiency	75 %	
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	
Light colour	White	5
Required compone		200
C16701_FLORE	ENTINA-1-SHD-60-WHT	
		306 255 0° 25°
ØNICHI/		55 ³
LED	NF2x757G	
FWHM / FWTM	44.0 + 15.0° / 70.0 + 29.0°	
Efficiency	76 %	6 ¹⁴
Peak intensity	3.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		200
C15427_FLORE	NTINA-1-SHD-60	
—		
_		



			90° 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B 43.0 + 20.0° / 72.0 + 36.0° 74 % 2.5 cd/lm 1 White		
			10) V 10 90* 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19B/NVSxx19C 44.0 + 17.0° / 71.0 + 33.0° 72 % 2.8 cd/lm 1 White	- 1200 - 1200 -	2000 2000 2000 2000 2000 2000 2000 200
OSRAM Opto Semiconductors			90* 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square CSSRM2/CSSRM3 44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White nts: NTINA-1-SHD-60		
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON SSL 150 45.0 + 15.0° / 72.0 + 27.0° 72 % 3.3 cd/lm 1 White nts:		
	NTINA-1-SHD-60		240 - 230 -



SAMS	UNG	50*
LED	LM561B	
FWHM / FWTM	45.0 + 15.0° / 70.0 + 32.0°	37
Efficiency	75 %	
Peak intensity	3.1 cd/lm	
LEDs/each optic	1	
Light colour	White	gr / / / / / / / / / / / / / / / / / / /
Required compone	ents:	
C15427_FLOR	ENTINA-1-SHD-60	
		200
		35 [°] 0 [°] 15 [°]
SEOUL SEMICONDUCTOR		90*
LED	SEOUL 5630	
FWHM / FWTM	45.0 + 15.0° / 70.0 + 30.0°	
Efficiency	77 %	
Peak intensity	3.4 cd/lm	
LEDs/each optic	1	
Light colour	White	9
Required compone	ents:	
C15427_FLOR	ENTINA-1-SHD-60	
		325° 0° 35°
SEOUL SEMICONDUCTOR		50.*
LED	Z8Y22P	
FWHM / FWTM	44.0 + 17.0° / 70.0 + 32.0°	
Efficiency	69 %	
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	97 - 150 - 150
Required compone	ents:	
	ENTINA-1-SHD-60	
_		200
		30° (0) 15°



PHOTOMETRIC DATA (SIMULATED):

		50 ⁴ 50 ⁴
LED	XP-G2 HE	
FWHM / FWTM	42.0 + 22.0° / 75.0 + 38.0°	
Efficiency	82 %	60 ⁰ 60 ¹
Peak intensity	2.5 cd/lm	
LEDs/each optic	1	
Light colour	White	gr
Required components	:	
C15427_FLORENT	INA-1-SHD-60	
		36
		15° 0° 35°
	DS	50 ⁴ 50 ⁴
	DS LUXEON C	50* 50*
		90°
LED	LUXEON C	80 25 26 26 20
LED FWHM / FWTM	LUXEON C 38.0 + 24.0° / 66.0 + 47.0°	604 254 254 254 254 257 257 257 257 257 257 257
LED FWHM / FWTM Efficiency	LUXEON C 38.0 + 24.0° / 66.0 + 47.0° 81 %	90 ⁴ 90 ⁴ 90 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity	LUXEON C 38.0 + 24.0° / 66.0 + 47.0° 81 % 2.6 cd/lm	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON C 38.0 + 24.0° / 66.0 + 47.0° 81 % 2.6 cd/lm 4 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON C 38.0 + 24.0° / 66.0 + 47.0° 81 % 2.6 cd/lm 4 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	LUXEON C 38.0 + 24.0° / 66.0 + 47.0° 81 % 2.6 cd/lm 4 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	LUXEON C 38.0 + 24.0° / 66.0 + 47.0° 81 % 2.6 cd/lm 4 RGBW	



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.

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