

### **FLORENTINA-4X1-D**

~18° diffused spot beam

### **SPECIFICATION:**

Dimensions	169.7 x 49.7 mm
Height	28.5 mm
Fastening	pin
ROHS compliant	yes 🛈



### **MATERIALS**:

**Component** ROSE-CMC-D FLORENTINA-4X1-HLD

Туре	
Single lens	
Holder	

Material

PC PC

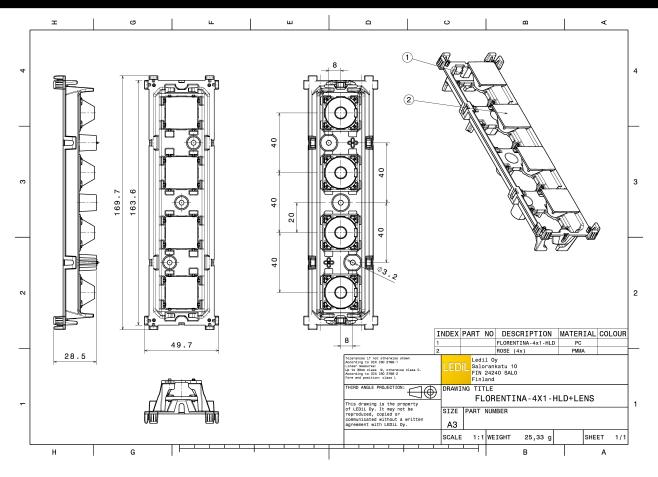
Colo	our
clear	
black	

Finish

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCP15345_FLORENTINA-4X1-D	Single lens	72	72	8	3.4
» Box size: 476 x 273 x 292 mm					





See also our general installation guide: <u>www.ledil.com/installation\_guide</u>



### **OPTICAL RESULTS (MEASURED):**

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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15028_FLORE	EASY-T FLUX 1x4 FLR XG xxx G7 18.0° / 34.0° 77 % 6.2 cd/lm 1 White ents: ENTINA-4X1-SHD	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15028_FLORE	EASY-T FLUX 1x4 FLR XT xxx G5 17.0° / 33.0° 77 % 6.6 cd/lm 1 White ents: ENTINA-4X1-SHD	200 pr 201 pr
CREE CLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15198_FLORE	XP-G2 18.0° / 32.0° 77 % 6.6 cd/lm 1 White	
CREE CLEU FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15028_FLORE	XP-G2 18.0° / 32.0° 77 % 6.6 cd/lm 1 White	20° 20° 20° 20° 20° 20° 20° 20°



### **OPTICAL RESULTS (MEASURED):**

-			
	D		90*
LED	XP-L2		
FWHM / FWTM	21.0° / 41.0°	10 No.	78
Efficiency	78 %		
Peak intensity	4.3 cd/lm		60 <sup>8</sup>
LEDs/each optic	1		
Light colour	White		
Required compone	ents:		
	ENTINA-4X1-SHD		- 3200
			30° 157 0° 559 30
	D		90 <sup>4</sup> R
LED	XP-L2		
FWHM / FWTM	21.0° / 41.0°		
Efficiency	78 %		
Peak intensity	4.3 cd/lm		60 <sup>9.2</sup>
LEDs/each optic	1		
Light colour	White		95°
Required compone			
	ENTINA-4X1-SHD-OPEN		- 3300 -
			30"
			15° 0° 15°
			50°
LED	XP-L2		25 <sup>4</sup>
LED FWHM / FWTM	XP-L2 21.0° / 41.0°		<u>50*</u> 75*
LED FWHM / FWTM Efficiency	XP-L2 21.0° / 41.0° 80 %		80 <sup>4</sup> 75 60 <sup>5</sup> 500 500
LED FWHM / FWTM Efficiency Peak intensity	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm		80 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White		90 <sup>4</sup> 23 90 <sup>4</sup> 5000 5000 5000 5000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White		y
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White ents:		y
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White ents:		y
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White ents: ENTINA-4X1-SHD-WHT		27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15690_FLORE	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White ents: ENTINA-4X1-SHD-WHT		gr 3390 32903290 32903290329032903290
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15690_FLORE	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White ents: ENTINA-4X1-SHD-WHT		gr 3390 32903290 32903290329032903290
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15690_FLORE	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White ents: ENTINA-4X1-SHD-WHT		gr 3390 32903290 32903290329032903290
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15690_FLORE	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White ents: ENTINA-4X1-SHD-WHT NVSxx19B/NVSxx19C 17.0° / 33.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15690_FLORE	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White ents: ENTINA-4X1-SHD-WHT NVSxx19B/NVSxx19C 17.0° / 33.0° 82 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15690_FLORE	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White ents: ENTINA-4X1-SHD-WHT NVSxx19B/NVSxx19C 17.0° / 33.0° 82 % 6.6 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15690_FLORE	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White ents: ENTINA-4X1-SHD-WHT NVSxx19B/NVSxx19C 17.0° / 33.0° 82 % 6.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15690_FLORE	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White ents: ENTINA-4X1-SHD-WHT NVSxx19B/NVSxx19C 17.0° / 33.0° 82 % 6.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15690_FLORE	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White ents: ENTINA-4X1-SHD-WHT NVSxx19B/NVSxx19C 17.0° / 33.0° 82 % 6.6 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15690_FLORE	XP-L2 21.0° / 41.0° 80 % 4.3 cd/lm 1 White ents: ENTINA-4X1-SHD-WHT NVSxx19B/NVSxx19C 17.0° / 33.0° 82 % 6.6 cd/lm 1 White ents:		



### **OPTICAL RESULTS (MEASURED):**

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LED FWHM / FWTM	NVSxx19B/NVSxx19C 17.0° / 33.0°	94" 99" 72 700 700
Efficiency	81 %	60°
Peak intensity LEDs/each optic	6.6 cd/lm 1	
Light colour	ı White	er or
Required compone		
	NTINA-4X1-SHD	
		90° 500 500 500 500 500 500 500 500 500 5
LED	- NVSxx19B/NVSxx19C	
FWHM / FWTM	17.0° / 33.0°	<u>n</u>
Efficiency	83 %	
Peak intensity	6.7 cd/lm	
LEDs/each optic	1	
Light colour	White	gr gr
Required compone		400
C15690_FLORE	NTINA-4X1-SHD-WHT	40
OSRAM Opto Semiconductors		90° 90° 90°
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	16.0° / 31.0°	
Efficiency	76 %	60*
Peak intensity	7.5 cd/lm	
LEDs/each optic		
	1	
Light colour	White	e
Light colour Required compone	White	
Light colour Required compone	White nts:	
Light colour Required compone C15198_FLORE	White nts:	127 (100 (100 (100 (100 (100 (100 (100 (10
Light colour Required compone C15198_FLORE Opto Semiconductors LED FWHM / FWTM	White nts: NTINA-4X1-SHD-OPEN OSLON Square CSSRM2/CSSRM3 16.0° / 31.0°	127 (100 (100 (100 (100 (100 (100 (100 (10
Light colour Required compone C15198_FLORE Opto Semiconductors LED FWHM / FWTM Efficiency	White nts: NTINA-4X1-SHD-OPEN OSLON Square CSSRM2/CSSRM3 16.0° / 31.0° 76 %	127 (100 (100 (100 (100 (100 (100 (100 (10
Light colour Required compone C15198_FLORE Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	White nts: NTINA-4X1-SHD-OPEN OSLON Square CSSRM2/CSSRM3 16.0° / 31.0° 76 % 7.6 cd/lm	127 (100 (100 (100 (100 (100 (100 (100 (10
Light colour Required compone C15198_FLORE Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White hts: NTINA-4X1-SHD-OPEN OSLON Square CSSRM2/CSSRM3 16.0° / 31.0° 76 % 7.6 cd/lm 1	
Light colour Required compone C15198_FLORE Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White hts: NTINA-4X1-SHD-OPEN OSLON Square CSSRM2/CSSRM3 16.0° / 31.0° 76 % 7.6 cd/lm 1 White	
Light colour Required component C15198_FLORE Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	White hts: NTINA-4X1-SHD-OPEN OSLON Square CSSRM2/CSSRM3 16.0° / 31.0° 76 % 7.6 cd/lm 1 White	



#### **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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