

FLORENTINA-HLD-D

~18° diffused spot beam

TECHNICAL SPECIFICATIONS:

Dimensions	285.6 x 19.5 mm
Height	9.5 mm
Fastening	screw
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
TINA2-XP-D	Single lens	PMMA	clear	
FLORENTINA-HLD	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP14996_FLORENTINA-HLD-D	Single lens	160	32	16	5.2
» Box size: 398 x 298 x 140 mm					



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



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE		No.
CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	XP-E2 13.0° / 30.0° 84 % 9.6 cd/lm 1 White nts:	30. 30. 30. 32. 32. 320 40. 3200 40. 320 40 40. 320 4
CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	XP-G2 17.0° / 37.0° 82 % 6.2 cd/lm 1 White nts:	200 000 000 000 000 000 000 000 0
CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	XP-G3 19.0° / 42.0° 81 % 4.7 cd/lm 1 White nts:	



🙆 LUMIL	.EDS	400
LED	LUXEON Rebel ES	
FWHM / FWTM	18.0° / 39.0°	75
Efficiency	81 %	
Peak intensity	5.5 cd/lm	
LEDs/each optic	1	
Light colour	White	97 - 300 - 300 - 300 - 300 - 300 - 300 - 300 - 300 - 300 - 300 - 300 - 300 - 300 - 300 - 300 - 300 - 300 - 300
Required compone		
C14446_FLORE		
		400
		20 ¹ 0 ¹ 23 ²
UMIL	.EDS	***
LED	LUXEON Rebel Plus	
FWHM / FWTM	15.0° / 33.0°	
Efficiency	82 %	94
Peak intensity	7.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
C14446_FLORE	ENTINA-SHD	600
		\times / \setminus λ
		30 ⁴ 30 ³ 0 50 ⁴
	.EDS	
LED	LUXEON TX	
	17.0° / 37.0°	
FWHM / FWTM	17.0° / 37.0° 82 %	
FWHM / FWTM Efficiency		
FWHM / FWTM Efficiency Peak intensity	82 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	82 % 6 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	82 % 6 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	82 % 6 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	82 % 6 cd/lm 1 White ents:	91- 91- 91- 91- 91- 91- 91- 91- 91- 91-
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	82 % 6 cd/lm 1 White ents:	91- 91- 91- 91- 91- 91- 91- 91- 91- 91-
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	82 % 6 cd/lm 1 White ents: ENTINA-SHD	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	82 % 6 cd/lm 1 White ents: ENTINA-SHD	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	82 % 6 cd/lm 1 White ents: ENTINA-SHD	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	82 % 6 cd/lm 1 White ents: ENTINA-SHD LUXEON Z ES 15.0° / 31.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	82 % 6 cd/lm 1 White ents: ENTINA-SHD LUXEON Z ES 15.0° / 31.0° 82 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	82 % 6 cd/lm 1 White ents: ENTINA-SHD LUXEON Z ES 15.0° / 31.0° 82 % 8.5 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	82 % 6 cd/lm 1 White ents: ENTINA-SHD LUXEON Z ES 15.0° / 31.0° 82 % 8.5 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	82 % 6 cd/lm 1 White ents: ENTINA-SHD LUXEON Z ES 15.0° / 31.0° 82 % 8.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	82 % 6 cd/lm 1 White ents: ENTINA-SHD LUXEON Z ES 15.0° / 31.0° 82 % 8.5 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	82 % 6 cd/lm 1 White ents: ENTINA-SHD LUXEON Z ES 15.0° / 31.0° 82 % 8.5 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	82 % 6 cd/lm 1 White ents: ENTINA-SHD LUXEON Z ES 15.0° / 31.0° 82 % 8.5 cd/lm 1 White ents:	



ØNICHI		90° 90°
LED	NCSxx19B	
FWHM / FWTM	15.0° / 34.0°	
Efficiency	79 %	50 50 50 50 50 50 50 50 50 50 50 50 50 5
Peak intensity	6.9 cd/lm	
LEDs/each optic	1	
Light colour	White	ar ar
Required componer	nts:	
C14446_FLORE	NTINA-SHD	
		600
ØNICHI		25 ¹ 0 ⁴ 15 ¹
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	19.0° / 40.0°	73
Efficiency	78 %	
Peak intensity	4.9 cd/lm	60*
LEDs/each optic	1	
Light colour	White	e. e.
Required componer		
C14446_FLORE		
		ex.
		30" 30" 15 ⁵ 0" 15 ⁵
OSRAM Opto Semiconductors		90 ⁴
LED	OSLON Square EC	
		735
FVVHM / FWTM	17.0° / 37.0°	
FWHM / FWTM Efficiency	17.0° / 37.0° 80 %	
FWHM / FWTM Efficiency Peak intensity		60 ⁻
Efficiency	80 %	
Efficiency Peak intensity	80 % 6.1 cd/lm	
Efficiency Peak intensity LEDs/each optic	80 % 6.1 cd/lm 1 White	gr
Efficiency Peak intensity LEDs/each optic Light colour	80 % 6.1 cd/lm 1 White nts:	
Efficiency Peak intensity LEDs/each optic Light colour Required component	80 % 6.1 cd/lm 1 White nts:	
Efficiency Peak intensity LEDs/each optic Light colour Required component	80 % 6.1 cd/lm 1 White nts:	9 ²
Efficiency Peak intensity LEDs/each optic Light colour Required component	80 % 6.1 cd/lm 1 White nts:	
Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE	80 % 6.1 cd/lm 1 White nts: NTINA-SHD	e ⁷
Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE	80 % 6.1 cd/lm 1 White nts: NTINA-SHD OSLON SSL 150	
Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE	80 % 6.1 cd/lm 1 White nts: NTINA-SHD OSLON SSL 150 14.0° / 31.0°	
Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE Opto Semiconductors LED FWHM / FWTM Efficiency	80 % 6.1 cd/lm 1 White nts: NTINA-SHD OSLON SSL 150 14.0° / 31.0° 84 %	
Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	80 % 6.1 cd/lm 1 White nts: NTINA-SHD OSLON SSL 150 14.0° / 31.0° 84 % 8.2 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	80 % 6.1 cd/lm 1 White nts: NTINA-SHD OSLON SSL 150 14.0° / 31.0° 84 % 8.2 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE	80 % 6.1 cd/lm 1 White nts: NTINA-SHD OSLON SSL 150 14.0° / 31.0° 84 % 8.2 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	80 % 6.1 cd/lm 1 White nts: NTINA-SHD OSLON SSL 150 14.0° / 31.0° 84 % 8.2 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE C14446_FLORE Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	80 % 6.1 cd/lm 1 White nts: NTINA-SHD OSLON SSL 150 14.0° / 31.0° 84 % 8.2 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE	80 % 6.1 cd/lm 1 White nts: NTINA-SHD OSLON SSL 150 14.0° / 31.0° 84 % 8.2 cd/lm 1 White	



OSRAM		
Opto Semiconductors		90°
	OSLON SSL 150	78'
FWHM / FWTM Efficiency	14.0° / 30.0° 80 %	
		60 ⁶ 65
Peak intensity	8.6 cd/lm	
LEDs/each optic Light colour	1 White	
Required compone		$r \times / \times $
C14446_FLOR		6430
		00 159 00 159 00
OSRAM Opto Semiconductors		90° A 90
LED	OSLON SSL 80	
FWHM / FWTM	15.0° / 34.0°	1500
Efficiency	82 %	
Peak intensity	7.3 cd/lm	
LEDs/each optic	1	
Light colour	White	4500 4500
Required compone	nts:	
C14446_FLORE	NTINA-SHD	
		6400
		300 38
SAMS		90* 95
LED		
FWHM / FWTM	LH351B 20.0° / 41.0°	73.
	82 %	
Efficiency Peak intensity	5 cd/lm	60° 60
LEDs/each optic	1	
LLIGht COLOUR	White	egu et
Light colour Required compone	White nts:	g
Required compone	nts:	gr
	nts:	a"
Required compone	nts:	9 ⁷ 300 C
Required compone C14446_FLOR	nts:	
Required compone	nts:	
Required compone C14446_FLORE	nts:	20 ⁴ 0 ⁴ 22 ⁴ 2
Required compone C14446_FLORE	nts: NTINA-SHD	200 00 120 X
Required compone C14446_FLORE	nts: NTINA-SHD TL1L4	20 ⁴ 0 ⁴ 22 ⁴ 2
Required compone C14446_FLORE TOSHIBA Leading Innovation >>> LED FWHM / FWTM	nts: NTINA-SHD TL1L4 18.0° / 39.0°	20 ⁴ 0 ⁴ 22 ⁴ 2
Required compone C14446_FLORE TOSHIBA Leading Innovation >>> LED FWHM / FWTM Efficiency	nts: NTINA-SHD TL1L4 18.0° / 39.0° 80 %	20 ⁴ 0 ⁴ 22 ⁴ 2
Required compone C14446_FLOR	nts: NTINA-SHD TL1L4 18.0° / 39.0° 80 % 5.4 cd/lm 1 White	20 ⁴ 0 ⁴ 22 ⁴ 2
Required compone C14446_FLOR	nts: NTINA-SHD TL1L4 18.0° / 39.0° 80 % 5.4 cd/lm 1 White nts:	900 900 900 900 900 900 900 900 900 900
Required compone C14446_FLOR	nts: NTINA-SHD TL1L4 18.0° / 39.0° 80 % 5.4 cd/lm 1 White nts:	900 900 900 900 900 900 900 900 900 900
Required compone C14446_FLORS C14446_FLORS C14446_FLORS COMPOSITION COMPOSITIO	nts: NTINA-SHD TL1L4 18.0° / 39.0° 80 % 5.4 cd/lm 1 White nts:	900 900 900 900 900 900 900 900 900 900
Required compone C14446_FLORS Leading Innovation >>> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	nts: NTINA-SHD TL1L4 18.0° / 39.0° 80 % 5.4 cd/lm 1 White nts:	900 900 900 900 900 900 900 900 900 900



PHOTOMETRIC DATA (SIMULATED):

CREE ≑		50°
LED	J Series 3030	
FWHM / FWTM	16.0° / 34.0°	73° 75°
Efficiency	88 %	60*
Peak intensity	7.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 4500
Required components:		
C14446_FLORENTI	NA-SHD	6430
		36° 55° 5000 35° 30°
CREE ≑		50° 50°
LED	J Series 3030	
FWHM / FWTM	16.0° / 34.0°	75* 1600
Efficiency	91 %	
Peak intensity	7.5 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	47* 4000 43*
Required components:		
		6430
		6430
		30" 30"
		15° 00 15°
Name		
ΜΝΙCΗΙΛ		90* 90*
	NCSxE17A	
	NCSxE17A 15.0° / 29.0°	32. 25.
LED	15.0° / 29.0° 82 %	
LED FWHM / FWTM Efficiency Peak intensity	15.0° / 29.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	15.0° / 29.0° 82 % 12 cd/lm 1	60 ⁻ 20 ⁻
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 82 % 12 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 82 % 12 cd/lm 1 White	a. 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 82 % 12 cd/lm 1 White	a. 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 82 % 12 cd/lm 1 White	a. 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 82 % 12 cd/lm 1 White	o., 00, 00, 00, 00, 00, 00, 00, 00, 00, 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 82 % 12 cd/lm 1 White	o., 00, 00, 00, 00, 00, 00, 00, 00, 00, 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTI	15.0° / 29.0° 82 % 12 cd/lm 1 White	30° 30° 90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTI	15.0° / 29.0° 82 % 12 cd/lm 1 White NA-SHD	20- 00- 20- 00- 00- 00- 00- 00-
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTI	15.0° / 29.0° 82 % 12 cd/lm 1 White NA-SHD	30° 30° 90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTI	15.0° / 29.0° 82 % 12 cd/lm 1 White NA-SHD	30° 30° 30° 90° 90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTI VICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	15.0° / 29.0° 82 % 12 cd/m 1 White NA-SHD NVSxE21A 16.0° / 32.0° 82 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTI VICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 82 % 12 cd/lm 1 White NA-SHD NVSxE21A 16.0° / 32.0° 82 % 10 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTI VICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 82 % 12 cd/lm 1 White NA-SHD NVSxE21A 16.0° / 32.0° 82 % 10 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTI VICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 82 % 12 cd/lm 1 White NA-SHD NVSxE21A 16.0° / 32.0° 82 % 10 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTI VICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 82 % 12 cd/lm 1 White NA-SHD NVSxE21A 16.0° / 32.0° 82 % 10 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTI VICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 82 % 12 cd/lm 1 White NA-SHD NVSxE21A 16.0° / 32.0° 82 % 10 cd/lm 1 White	27 27 27 27 27 27 27 27 27 27



PHOTOMETRIC DATA (SIMULATED):

Ø ΝΙCΗΙΛ		55* 5**
LED	NWSx229A	
FWHM / FWTM	24.0° / 44.0°	
Efficiency	86 %	
Peak intensity	3.9 cd/lm	
LEDs/each optic	1	
Light colour	White	a. a.
Required components	s:	
C14446_FLOREN	TINA-SHD	320
		30° 400 31°
		155° Q ⁶ 155°



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.

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LEDiL Oy

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