

FLORENTINA-HLD-D

~18° diffused spot beam

SPECIFICATION:

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



MATERIALS:

Component TINA2-XP-D FLORENTINA-HLD

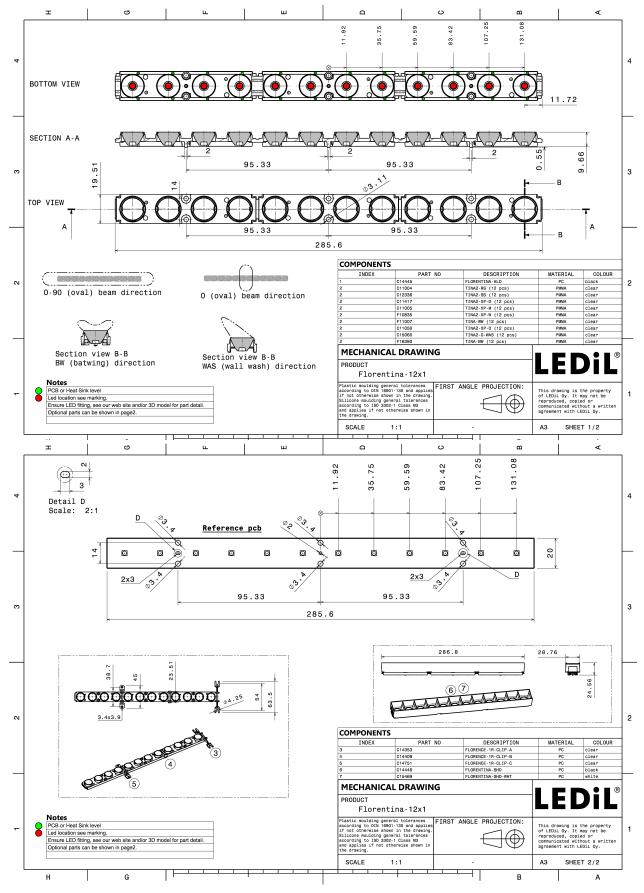
Type Single lens Holder

Material	Colour	Finish
PMMA	clear	
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					





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



			90* 90*
LED	QUICK FLUX LED FL-XG 1x12 xxx	and the second se	
FWHM / FWTM	20.0° / 43.0°		
Efficiency	81 %		
Peak intensity	4.5 cd/lm		60 ⁻
LEDs/each optic	1		
Light colour	White		43°
Required componer	nts:		200
C14446_FLORE			
			300 30.
			30 30 30 30 30 30 30 30 30 30 30 30 30 3
			90* 00*
LED	XP-E2		
FWHM / FWTM	13.0° / 30.0°		
Efficiency	84 %		
Peak intensity	9.6 cd/lm		\wedge / / / \wedge \wedge /
LEDs/each optic	1		
Light colour	White		95*
Required componer			610
C14446_FLORE			
			X X
			40° 15° 0° 15°
			90° 90°
	XP-G2		50°
	XP-G2 17.0° / 37.0°		22 24 26
LED FWHM / FWTM			55° 55°
LED FWHM / FWTM Efficiency	17.0° / 37.0°		64 500 500 500
LED FWHM / FWTM Efficiency Peak intensity	17.0° / 37.0° 82 %		51° 51°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	17.0° / 37.0° 82 % 6.2 cd/m		501 507 507 507
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 37.0° 82 % 6.2 cd/lm 1 White		501 507 507 507
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	17.0° / 37.0° 82 % 6.2 cd/lm 1 White tts:		501 507 507 507
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	17.0° / 37.0° 82 % 6.2 cd/lm 1 White tts:		g. 61 23 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 component	17.0° / 37.0° 82 % 6.2 cd/lm 1 White tts:		g. 61 23 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 componer C14446_FLORE	17.0° / 37.0° 82 % 6.2 cd/lm 1 White tts:		g. 61 23 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 componer C14446_FLORE	17.0° / 37.0° 82 % 6.2 cd/lm 1 White tts:		g. 61 23 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 componer C14446_FLORE	17.0° / 37.0° 82 % 6.2 cd/lm 1 White tts:		200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14446_FLORE	17.0° / 37.0° 82 % 6.2 cd/lm 1 White hts: NTINA-SHD		200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14446_FLORE	17.0° / 37.0° 82 % 6.2 cd/lm 1 White hts: NTINA-SHD		200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14446_FLORE	17.0° / 37.0° 82 % 6.2 cd/lm 1 White hts: NTINA-SHD XP-G3 19.0° / 42.0° 81 %		200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14446_FLORE C14446_FLORE C14446_FLORE	17.0° / 37.0° 82 % 6.2 cd/lm 1 White hts: NTINA-SHD XP-G3 19.0° / 42.0°		200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE	17.0° / 37.0° 82 % 6.2 cd/lm 1 White hts: NTINA-SHD XP-G3 19.0° / 42.0° 81 % 4.7 cd/lm 1		200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE	17.0° / 37.0° 82 % 6.2 cd/lm 1 White hts: NTINA-SHD XP-G3 19.0° / 42.0° 81 % 4.7 cd/lm 1 White		200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	17.0° / 37.0° 82 % 6.2 cd/lm 1 White hts: NTINA-SHD XP-G3 19.0° / 42.0° 81 % 4.7 cd/lm 1 White hts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE	17.0° / 37.0° 82 % 6.2 cd/lm 1 White hts: NTINA-SHD XP-G3 19.0° / 42.0° 81 % 4.7 cd/lm 1 White hts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	17.0° / 37.0° 82 % 6.2 cd/lm 1 White hts: NTINA-SHD XP-G3 19.0° / 42.0° 81 % 4.7 cd/lm 1 White hts:		



🕙 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:	



Maugue		
ØNICHI		<u>30</u> *
LED	NCSxx19B	
FWHM / FWTM	15.0° / 34.0°	
Efficiency	79 %	
Peak intensity	6.9 cd/lm	
LEDs/each optic	1	
Light colour	White	a.
Required compone	nts:	
C14446_FLORE	NTINA-SHD	
		lan land
		304
LED	NVSxx19B/NVSxx19C	
EED FWHM / FWTM	19.0° / 40.0°	39
Efficiency	78 %	
Peak intensity	4.9 cd/lm	
LEDs/each optic	1	
Light colour	White	9 [.]
Required compone		
C14446_FLORE		
		400
		30° 25° qi 155
OSRAM Opto Semiconductors		9×*
OSRAM Opto Semiconductors	OSLON Square EC	
Opto Semiconductors	OSLON Square EC 17.0° / 37.0°	32
Opto Semiconductors		
Opto Semiconductors LED FWHM / FWTM	17.0° / 37.0°	90 ⁴
opto Semiconductors LED FWHM / FWTM Efficiency	17.0° / 37.0° 80 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	17.0° / 37.0° 80 % 6.1 cd/lm	97° - 500
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	17.0° / 37.0° 80 % 6.1 cd/lm 1 White	97° - 500
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 37.0° 80 % 6.1 cd/lm 1 White nts:	97° - 500
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	17.0° / 37.0° 80 % 6.1 cd/lm 1 White nts:	2 . 2 . 2 . 2 .
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	17.0° / 37.0° 80 % 6.1 cd/lm 1 White nts:	2 . 2 . 2 . 2 .
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	17.0° / 37.0° 80 % 6.1 cd/lm 1 White nts:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE	17.0° / 37.0° 80 % 6.1 cd/lm 1 White nts: :NTINA-SHD	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE OSRAM Opto Semiconductors LED	17.0° / 37.0° 80 % 6.1 cd/lm 1 White nts: :NTINA-SHD	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE Opto Semiconductors LED FWHM / FWTM	17.0° / 37.0° 80 % 6.1 cd/lm 1 White nts: NTINA-SHD OSLON SSL 150 14.0° / 30.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE Opto Semiconductors LED FWHM / FWTM Efficiency	17.0° / 37.0° 80 % 6.1 cd/lm 1 White nts: :NTINA-SHD OSLON SSL 150 14.0° / 30.0° 80 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	17.0° / 37.0° 80 % 6.1 cd/lm 1 White nts: INTINA-SHD OSLON SSL 150 14.0° / 30.0° 80 % 8.6 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	17.0° / 37.0° 80 % 6.1 cd/lm 1 White nts: INTINA-SHD OSLON SSL 150 14.0° / 30.0° 80 % 8.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 37.0° 80 % 6.1 cd/lm 1 White nts: INTINA-SHD OSLON SSL 150 14.0° / 30.0° 80 % 8.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	17.0° / 37.0° 80 % 6.1 cd/lm 1 White nts: ENTINA-SHD OSLON SSL 150 14.0° / 30.0° 80 % 8.6 cd/lm 1 White nts:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 37.0° 80 % 6.1 cd/lm 1 White nts: ENTINA-SHD OSLON SSL 150 14.0° / 30.0° 80 % 8.6 cd/lm 1 White nts:	
orbo Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14446_FLORE Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	17.0° / 37.0° 80 % 6.1 cd/lm 1 White nts: ENTINA-SHD OSLON SSL 150 14.0° / 30.0° 80 % 8.6 cd/lm 1 White nts:	



OSRAM Opto Semiconductors		90° A 90°
LED	OSLON SSL 150	
FWHM / FWTM	14.0° / 31.0°	77
Efficiency	84 %	
Peak intensity	8.2 cd/lm	
LEDs/each optic	1	
Light colour	White	er a
Required componer	nts:	
		600
		135 ¹ 0 ⁴ 35 ²
OSRAM Opto Semiconductors		50° 50°
LED	OSLON SSL 80	
FWHM / FWTM	15.0° / 34.0°	73
Efficiency	82 %	
Peak intensity	7.3 cd/lm	
LEDs/each optic	1	
Light colour	White	e ² 450
Required componer	nts:	
C14446_FLORE	NTINA-SHD	
		633
		304
0.0.0.0.0.		
SVMSL	JNG	90*
	LH351B	
		20° 20 75° 20
LED FWHM / FWTM Efficiency	LH351B	99* 19 10 10 10 10 10 10 10 10 10 10
LED FWHM / FWTM Efficiency Peak intensity	LH351B 20.0° / 41.0°	97 - 99 197 - 100 - 100 100 - 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1	59* 59 59* 20 99* 200 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14446_FLORE	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts: NTINA-SHD	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14446_FLORE	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts: NTINA-SHD	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14446_FLORE	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts: NTINA-SHD TL1L4 18.0° / 39.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14446_FLORE C14446_FLORE TOSHIBA Leading Innovation >>> LED FWHM / FWTM Efficiency	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts: NTINA-SHD TL1L4 18.0° / 39.0° 80 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14446_FLORE C14446_FLORE	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts: NTINA-SHD TL1L4 18.0° / 39.0° 80 % 5.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE C14446_FLORE TOSHIBA Leading Innovation >>> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts: NTINA-SHD TL1L4 18.0° / 39.0° 80 % 5.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14446_FLORE C14446_FLORE TOSHIBA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts: NTINA-SHD TL1L4 18.0° / 39.0° 80 % 5.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14446_FLORE TOSHIBA Leding Innovation >>> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts: NTINA-SHD TL1L4 18.0° / 39.0° 80 % 5.4 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14446_FLORE C14446_FLORE TOSHIBA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts: NTINA-SHD TL1L4 18.0° / 39.0° 80 % 5.4 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14446_FLORE TOSHIBA Leding Innovation >> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LH351B 20.0° / 41.0° 82 % 5 cd/lm 1 White nts: NTINA-SHD TL1L4 18.0° / 39.0° 80 % 5.4 cd/lm 1 White nts:	



OPTICAL RESULTS (SIMULATED):

CREE ≑		90° 90°
LEDS	J Series 3030	
FWHM / FWTM	16.0° / 34.0°	75
Efficiency	91 %	
Peak intensity	7.5 cd/lm	60°
LEDs/each optic	1	
Light colour	' White	
Required components:	Wine	
		600
		300 300
		30 8000 30 15° 0° 15°
		90° 90°
LED	J Series 3030	
FWHM / FWTM	16.0° / 34.0°	1500
Efficiency	88 %	60°
Peak intensity	7.5 cd/lm	
LEDs/each optic	1	
Light colour	White	42* 42*
Required components:		
C14446_FLORENTI	NA-SHD	6130
		30* 30*
1		
ØΝΙCΗΙΛ		90 ⁴ 90 ⁴
ΝΙΟΗΙΛ	N/CSyE47A	99* 99*
LED	NCSxE17A	25 0° 15°
LED FWHM / FWTM	15.0° / 29.0°	
LED FWHM / FWTM Efficiency	15.0° / 29.0° 82 %	15° 0° 15° 55° 73° 96° 96° 96°
LED FWHM / FWTM Efficiency Peak intensity	15.0° / 29.0° 82 % 12 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	15.0° / 29.0° 82 % 12 cd/lm 1	5° 13°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 82 % 12 cd/lm	25° 2° 13° 39° 99° 99° 90° 90° 90° 90° 90° 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 82 % 12 cd/lm 1 White	25° 5° 13° 39° 99° 99° 90° 90° 90° 90° 90° 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 82 % 12 cd/lm 1 White	25 7 13 7 13 7 13 7 13 7 13 7 13 7 13 7 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 82 % 12 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTIN	15.0° / 29.0° 82 % 12 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTIN	15.0° / 29.0° 82 % 12 cd/lm 1 White NA-SHD	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTIN	15.0° / 29.0° 82 % 12 cd/lm 1 White NA-SHD	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTIN	15.0° / 29.0° 82 % 12 cd/lm 1 White NA-SHD NVSxE21A 16.0° / 32.0°	201 201 201 201 201 201 201 201
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTIN	15.0° / 29.0° 82 % 12 cd/lm 1 White NA-SHD NVSxE21A 16.0° / 32.0° 82 %	201 201 201 201 201 201 201 201
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTIN	15.0° / 29.0° 82 % 12 cd/lm 1 White NA-SHD NVSxE21A 16.0° / 32.0° 82 % 10 cd/lm	64 25 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: C14446_FLORENTIN	15.0° / 29.0° 82 % 12 cd/lm 1 White VA-SHD NVSxE21A 16.0° / 32.0° 82 % 10 cd/lm 1	64 25 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: C14446_FLORENTIN	15.0° / 29.0° 82 % 12 cd/lm 1 White NA-SHD NVSxE21A 16.0° / 32.0° 82 % 10 cd/lm	64 25 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: C14446_FLORENTII	15.0° / 29.0° 82 % 12 cd/lm 1 White WA-SHD NVSxE21A 16.0° / 32.0° 82 % 10 cd/lm 1 White	64 25 26 26 26 26 26 26 26 26 26 26
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTIN	15.0° / 29.0° 82 % 12 cd/lm 1 White WA-SHD NVSxE21A 16.0° / 32.0° 82 % 10 cd/lm 1 White	64 25 26 26 26 26 26 26 26 26 26 26
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14446_FLORENTII	15.0° / 29.0° 82 % 12 cd/lm 1 White WA-SHD NVSxE21A 16.0° / 32.0° 82 % 10 cd/lm 1 White	64 25 26 26 26 26 26 26 26 26 26 26



OPTICAL RESULTS (SIMULATED):

Μ ΝΙCΗΙΛ		50 ⁴ 50 ³
LED	NWSx229A	
FWHM / FWTM	24.0° / 44.0°	
Efficiency	86 %	
Peak intensity	3.9 cd/lm	
LEDs/each optic	1	
Light colour	White	gr. gr.
Required components	s:	
C14446_FLOREN	ITINA-SHD	200
		107 - 07 - 1



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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