

## **FLORENTINA-1-0**

~45° + 15° oval beam

### **SPECIFICATION:**

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



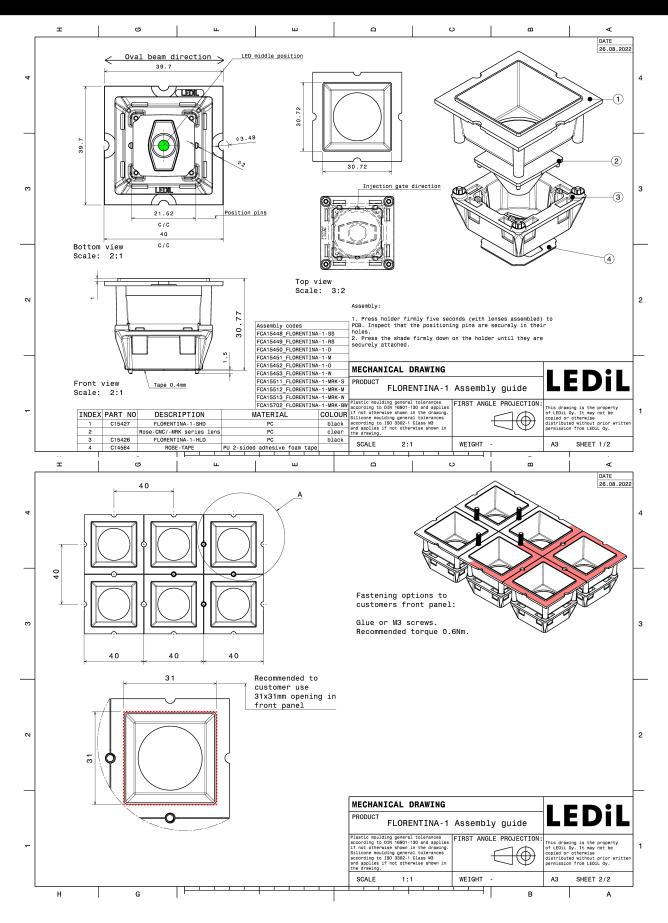
### **MATERIALS:**

**Component** ROSE-CMC-O FLORENTINA-1-HLD ROSE-TAPE **Type** Single lens Holder Tape

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° 90
LED	Bridgelux SMD 5050		
FWHM / FWTM	42.0 + 24.0° / 70.0 + 47.0°		73*
Efficiency	71 %		
Peak intensity	2 cd/lm		60°
LEDs/each optic	1		
Light colour	White		454 45
Required compone			
	NTINA-1-SHD-60		1630
			125 <sup>4</sup> 0 <sup>6</sup> 32 <sup>5</sup>
			90* 90
LED	XHP35 HD		
FWHM / FWTM	42.0 + 21.0° / 72.0 + 42.0°		
Efficiency	71 %		100°
Peak intensity	2.3 cd/lm		
LEDs/each optic	1		
Light colour	White		er e
Required compone	nts:		1690
	NTINA-1-SHD-60		
			304 2000 30
1			
CREE 🚖			122, 0 <sub>0</sub> 122,
			25 <sup>°</sup> 0° 15°
LED	XHP35 HI		25 <sup>th</sup> 0 <sup>th</sup> 15 <sup>th</sup> 94 <sup>th</sup> 73
LED FWHM / FWTM	28.0° / 49.0°		25 <sup>5</sup> 0 <sup>4</sup> 15 <sup>5</sup>
LED FWHM / FWTM Efficiency	28.0° / 49.0° 72 %		55 <sup>2</sup> 90 <sup>6</sup> 90 <sup>6</sup> 90 <sup>6</sup> 90 <sup>6</sup> 90 <sup>6</sup> 90 <sup>6</sup> 90 <sup>6</sup> 90 <sup>6</sup> 90 <sup>6</sup> 90 <sup>6</sup>
LED FWHM / FWTM Efficiency Peak intensity	28.0° / 49.0° 72 % 2.7 cd/lm		60 <sup>4</sup> 227 24 257 00 00 00 00 00 00 00 00 00 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 49.0° 72 % 2.7 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 49.0° 72 % 2.7 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 49.0° 72 % 2.7 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 49.0° 72 % 2.7 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 49.0° 72 % 2.7 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 49.0° 72 % 2.7 cd/lm 1 White		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	28.0° / 49.0° 72 % 2.7 cd/lm 1 White		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	28.0° / 49.0° 72 % 2.7 cd/lm 1 White nts:		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	28.0° / 49.0° 72 % 2.7 cd/lm 1 White nts: XP-G2		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM	28.0° / 49.0° 72 % 2.7 cd/lm 1 White nts: XP-G2 44.0 + 18.0° / 72.0 + 33.0°		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency	28.0° / 49.0° 72 % 2.7 cd/lm 1 White nts: XP-G2 44.0 + 18.0° / 72.0 + 33.0° 73 %		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDs LED FWHM / FWTM Efficiency Peak intensity	28.0° / 49.0° 72 % 2.7 cd/lm 1 White nts: XP-G2 44.0 + 18.0° / 72.0 + 33.0° 73 % 2.8 cd/lm		
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic	28.0° / 49.0° 72 % 2.7 cd/lm 1 White nts: XP-G2 44.0 + 18.0° / 72.0 + 33.0° 73 % 2.8 cd/lm 1		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 49.0° 72 % 2.7 cd/lm 1 White nts: XP-G2 44.0 + 18.0° / 72.0 + 33.0° 73 % 2.8 cd/lm 1 White		
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required compone	28.0° / 49.0° 72 % 2.7 cd/lm 1 White nts: XP-G2 44.0 + 18.0° / 72.0 + 33.0° 73 % 2.8 cd/lm 1 White nts:		
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required compone	28.0° / 49.0° 72 % 2.7 cd/lm 1 White nts: XP-G2 44.0 + 18.0° / 72.0 + 33.0° 73 % 2.8 cd/lm 1 White		
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required compone	28.0° / 49.0° 72 % 2.7 cd/lm 1 White nts: XP-G2 44.0 + 18.0° / 72.0 + 33.0° 73 % 2.8 cd/lm 1 White nts:		



		90 <sup>1</sup>
LED	XP-L HD	
FWHM / FWTM	43.0 + 19.0° / 72.0 + 38.0°	
Efficiency	71 %	
Peak intensity	2.4 cd/lm	
LEDs/each optic	1	
Light colour	White	5.
Required compone	nts:	
C15427_FLORE	NTINA-1-SHD-60	
		30*
		35 <sup>5</sup> 0 <sup>5</sup> 35 <sup>5</sup>
		50*
LED	XP-L2	
FWHM / FWTM	43.0 + 20.0° / 72.0 + 41.0°	
Efficiency	69 %	
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour	White	gr.
Required compone	nts:	
	NTINA-1-SHD-60	
		$\sim$
		20.4
		2 <sup>40</sup> 25 <sup>5</sup> 0 <sup>4</sup> 15 <sup>9</sup>
CREE ≑		
		30*
LEDS	XT-F	
LED	XT-E 44.0 + 16.0° / 71.0 + 33.0°	25*
LED FWHM / FWTM	44.0 + 16.0° / 71.0 + 33.0°	
LED FWHM / FWTM Efficiency	44.0 + 16.0° / 71.0 + 33.0° 71 %	
LEDs LED FWHM / FWTM Efficiency Peak intensity	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm	735- 504-
LEDs FWHM / FWTM Efficiency Peak intensity LEDs/each optic	44.0 + 16.0° / 71.0 + 33.0° 71 %	
LEDS FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White	735- 504-
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White nts:	735- 504-
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White	735- 504-
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White nts:	735- 504-
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White nts:	735- 504-
LEDs FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White nts: :NTINA-1-SHD-60	735- 504-
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White nts: :NTINA-1-SHD-60	
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White nts: INTINA-1-SHD-60 EDS LUXEON 3030 2D (Round LES)	
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE C15427_FLORE LED FWHM / FWTM	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White nts: INTINA-1-SHD-60 EDS LUXEON 3030 2D (Round LES) 45.0 + 14.0° / 70.0 + 28.0°	
LEDs EDs FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE C15427_FLORE C15427_FLORE EDS FWHM / FWTM Efficiency	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White nts: NTINA-1-SHD-60 EDS LUXEON 3030 2D (Round LES) 45.0 + 14.0° / 70.0 + 28.0° 75 %	
LEDs EDs FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE C15427_FLORE C15427_FLORE EDS FWHM / FWTM Efficiency Peak intensity	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White nts: INTINA-1-SHD-60 EDS LUXEON 3030 2D (Round LES) 45.0 + 14.0° / 70.0 + 28.0° 75 % 3.4 cd/lm	
LEDs EDs FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE C15427_FLORE C15427_FLORE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White nts: INTINA-1-SHD-60 EDS LUXEON 3030 2D (Round LES) 45.0 + 14.0° / 70.0 + 28.0° 75 % 3.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE C15427_FLORE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White nts: INTINA-1-SHD-60 EDS LUXEON 3030 2D (Round LES) 45.0 + 14.0° / 70.0 + 28.0° 75 % 3.4 cd/lm 1 White	
LEDs EDs FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE C15427_FLORE C15427_FLORE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White nts: INTINA-1-SHD-60 EDS LUXEON 3030 2D (Round LES) 45.0 + 14.0° / 70.0 + 28.0° 75 % 3.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE C15427_FLORE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White nts: INTINA-1-SHD-60 EDS LUXEON 3030 2D (Round LES) 45.0 + 14.0° / 70.0 + 28.0° 75 % 3.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE C15427_FLORE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	44.0 + 16.0° / 71.0 + 33.0° 71 % 2.9 cd/lm 1 White nts: INTINA-1-SHD-60 EDS LUXEON 3030 2D (Round LES) 45.0 + 14.0° / 70.0 + 28.0° 75 % 3.4 cd/lm 1 White	



FDS	
LUXEON 5050 Round LES 42.0 + 22.0° / 70.0 + 42.0° 72 % 2.2 cd/lm 1 White	
nts: ENTINA-1-SHD-60	20 <sup>-</sup>
EDS	× × × × × × × × × × × × × × × × × × ×
LUXEON TX 44.0 + 17.0° / 71.0 + 33.0° 72 % 2.8 cd/lm 1 White ints: ENTINA-1-SHD-60	
	30* 39
NF2x757G 44.0 + 15.0° / 70.0 + 29.0° 76 % 3.3 cd/lm 1 White onts: ENTINA-1-SHD-60	
	9 <sup>1</sup>
NF2x757G 45.0 + 15.0° / 70.0 + 31.0° 75 %	275
	42.0 + 22.0° / 70.0 + 42.0° 72 % 2.2 cd/lm 1 White ints: EDS LUXEON TX 44.0 + 17.0° / 71.0 + 33.0° 72 % 2.8 cd/lm 1 White ints: ENTINA-1-SHD-60 NF2x757G 44.0 + 15.0° / 70.0 + 29.0° 76 % 3.3 cd/lm 1 White ints: ENTINA-1-SHD-60 NF2x757G 45.0 + 15.0° / 70.0 + 31.0°



Mauri		
<b>ØNICHI</b>		50° 50°
LED	NVSW319B	75
FWHM / FWTM	43.0 + 20.0° / 72.0 + 36.0°	
Efficiency	74 %	800
Peak intensity	2.5 cd/lm	
LEDs/each optic	1	
Light colour	White	· · · · · · · · · · · · · · · · · · ·
Required compone		
C15427_FLORE	ENTINA-1-SHD-60	
		300
		304 Jan 200 Ja
<b>∕∕</b> NICHI∕		90 <sup>4</sup> 99
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	44.0 + 17.0° / 71.0 + 33.0°	
Efficiency	72 %	
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour	White	er 200 e
Required compone	ents:	
	ENTINA-1-SHD-60	
_		2000
		137 04 139
000444		
OSRAM Opto Semiconductors		90*
OSRAM Opto Semiconductors LED	OSLON Square CSSRM2/CSSRM3	99*
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3 44.0 + 17.0° / 72.0 + 32.0°	99 <sup>4</sup> 92 73 <sup>4</sup> 72
Opto Semiconductors		
<sup>Opto Semiconductors</sup> LED FWHM / FWTM	44.0 + 17.0° / 72.0 + 32.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	44.0 + 17.0° / 72.0 + 32.0° 74 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White ints:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White ints:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White ints:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White ints:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White Ints: ENTINA-1-SHD-60	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE OSCRAM Opto Semiconductors LED	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White Ints: INTINA-1-SHD-60	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE OSRAM Opto Semiconductors LED FWHM / FWTM	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White Ints: ENTINA-1-SHD-60	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White mts: ENTINA-1-SHD-60 OSLON SSL 150 45.0 + 15.0° / 72.0 + 27.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C15427_FLORE OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White mts: ENTINA-1-SHD-60 OSLON SSL 150 45.0 + 15.0° / 72.0 + 27.0° 72 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White ints: INTINA-1-SHD-60 OSLON SSL 150 45.0 + 15.0° / 72.0 + 27.0° 72 % 3.3 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE OSCRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White ints: INTINA-1-SHD-60 OSLON SSL 150 45.0 + 15.0° / 72.0 + 27.0° 72 % 3.3 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White ints: ENTINA-1-SHD-60 OSLON SSL 150 45.0 + 15.0° / 72.0 + 27.0° 72 % 3.3 cd/lm 1 White ints:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C15427_FLORE OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White ints: INTINA-1-SHD-60 OSLON SSL 150 45.0 + 15.0° / 72.0 + 27.0° 72 % 3.3 cd/lm 1 White	
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 LEDs/each optic Light colour Required compone	44.0 + 17.0° / 72.0 + 32.0° 74 % 2.9 cd/lm 1 White ints: ENTINA-1-SHD-60 OSLON SSL 150 45.0 + 15.0° / 72.0 + 27.0° 72 % 3.3 cd/lm 1 White ints:	



SAMS	UNG	90 <sup>4</sup>
LED	LM561B	
FWHM / FWTM	45.0 + 15.0° / 70.0 + 32.0°	
Efficiency	75 %	
Peak intensity	3.1 cd/lm	
LEDs/each optic	1	
Light colour	White	gr gr
Required compone	ents:	
	ENTINA-1-SHD-60	
		20
		355 Q <sup>8</sup> 15 <sup>9</sup>
SEOUL SEMICONDUCTOR		90 <sup>+</sup>
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	St.
Required compone	ents:	200
	ENTINA-1-SHD-60	
		223 64 124
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	gr 200
Required compone	ents:	
	ENTINA-1-SHD-60	
_		200
		30° () 13° () 15°



## **OPTICAL RESULTS (SIMULATED):**

		X
		50° 50°
LED	XP-G2 HE	
FWHM / FWTM	42.0 + 22.0° / 75.0 + 38.0°	
Efficiency	82 %	60 <sup>2</sup> 000 60 <sup>4</sup>
Peak intensity	2.5 cd/lm	
LEDs/each optic	1	
Light colour	White	er* 3600
Required components		
C15427_FLOREN	ΓINA-1-SHD-60	
		30* 30*
		15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>5</sup>
COMILE	DS	50° 50°
	LUXEON C	50°
		97 21 22
LED	LUXEON C	91 <sup>+</sup> 31 <sup>-</sup> 25 <sup>-</sup> 27 <sup>-</sup> 27 <sup>-</sup> 27 <sup>-</sup> 27 <sup>-</sup> 27 <sup>-</sup> 27 <sup>-</sup> 27 <sup>-</sup> 27 <sup>-</sup>
LED FWHM / FWTM	LUXEON C 38.0 + 24.0° / 66.0 + 47.0°	72
LED FWHM / FWTM Efficiency	LUXEON C 38.0 + 24.0° / 66.0 + 47.0° 81 %	72
LED FWHM / FWTM Efficiency Peak intensity	LUXEON C 38.0 + 24.0° / 66.0 + 47.0° 81 % 2.6 cd/lm	72
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	27 - 29 68 - 60 - 60
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	gr
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	27 - 29 68 - 60 - 60
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	27°



#### **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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### Local sales and technical support www.ledil.com/ where\_to\_buy

**Shipping locations** Salo, Finland Hong Kong, China

#### **Distribution Partners** www.ledil.com/ where\_to\_buy

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