

# PRODUCT DATASHEET FCP15705\_FLORENTINA-2X2-MRK-M

# FLORENTINA-2X2-MRK-M

 ${\sim}40^\circ$  medium beam. Compatible with ultra high power LEDs.

#### **SPECIFICATION:**

Dimensions	89.7 x 89.7 mm
Height	17.7 mm
Fastening	pin, screw
ROHS compliant	yes 🛈



### **MATERIALS:**

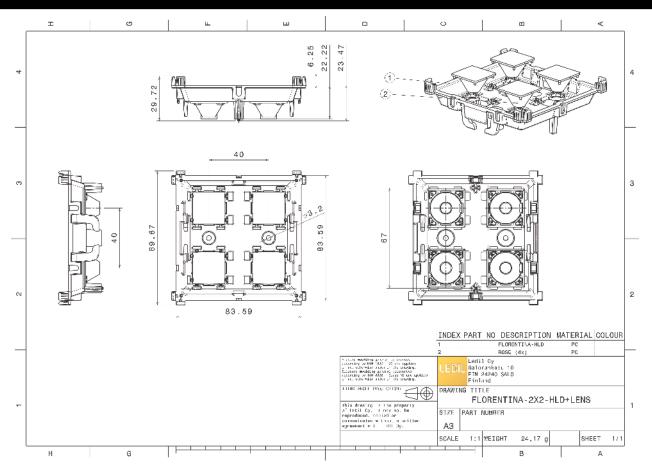
Component	Туре	Material	Colour	Finish
ROSE-MRK-M	Single lens	PC	clear	
FLORENTINA-2X2-HLD	Holder	PC	black	

## **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCP15705_FLORENTINA-2X2-MRK-M	Single lens	88	24	8	4.2
» Box size: 476 x 273 x 292 mm					

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



FWHH // FWTM       39.0° (66.0°         Efficiency       82 %         Peak Intensity       1.7 cd/m         LEDWeach optic       1         LEDWeach optic       1         Uph colour       White         Required components:       C14900_FLORENTINA-2X2.SHD-WHT         CREE       LED         LED       XHP35 HD         FWHM //FWTM       39.0° / 64.0°         Efficiency       79 %         Peak Intensity       1.7 cd/m         LEDWeach optic       1         Light colour       White         Required components:       C14734_FLORENTINA-2X2.SHD         C14734_FLORENTINA-2X2.SHD       Image: Components:         C14734_FLORENTINA-2X2.SHD       Image: Components:         C14734_FLORENTINA-2X2.SHD-OPEN       Image: Components:         C11916_FLORENTINA-2X2.SHD-OPEN       Image: Compone					
LED XHP35 HD FWHM / FVTM 330 / 65 0' Electionery 82 % Peak Intensity 1,7 cd/m LED/sech optic 1 Light colour White Required components: C14960_FLORENTINA-2X2-SHD WHT C14960_FLORENTINA-2X2-SHD WHT		D			**
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Light colour White Required components: C 14800_FLORENTIN-2X2_SHD-WHT C 14800_FLORENTIN-2X2_SHD-WHT C 14800_FLORENTIN-2X2_SHD-WHT C 1480_FLORENTIN-2X2_SHD-WHT C 1480_FLORENTIN-2X2_					$\nabla A \rightarrow K \nabla$
Required components: C1990_FLORENTINA-2X2_SHD-WHT  CREECTION LED XHP35 HD FWHM /FWTM 330'' /64.0' Efficiency 79 % Peak intensity 1.7 cd/m LEDewesh optic 1 Light colour White Required components: C1473_FLORENTINA-2X2_SHD CREECTION LED XHP35 HD FWHM /FWTM 380'' /64.0' Efficiency 79 % Peak intensity 1.7 cd/m LEDewesh optic 1 Light colour White Required components: C15186_FLORENTINA-2X2_SHD-OPEN  CREECTION LED XHP30 FUMM /FWTM 10'' /67.0' Efficiency 80 % Peak intensity 1.4 cd/m LEDeWesh optic 1 Light colour White Required components: C1980_FLORENTINA-2X2_SHD-OPEN					
C14960_FLORENTINA-222 SHD-WHT					
LED XHP35 HD FWHM /FVTM 39.0* / 64.0* Efficiency 79 % Peak intensity 1.7 cd/m LEDS/each optic 1 Light colour White Required components: C15198_FLORENTINA-2X2-SHD-OPEN CREE COLOUR White Required components: C1500_FLORENTINA-2X2-SHD-OPEN CREE COLOUR White Required components: C1500_FLORENTINA-2X2-SHD-OPEN CREE COLOUR White Required components: C1500_FLORENTINA-2X2-SHD-WHT					
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Efficiency 80 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour White Required components: C14960_FLORENTINA-2X2-SHD-WHT	FWHM / FWTM	41.0° / 67.0°			
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C14960_FLORENTINA-2X2-SHD-WHT	Light colour				
	C14960_FLORE	ENTINA-2X2-SHD-WHT			



NYHAY FYTTM 41.0° / 66.0° Efficiency 76 % Reak Intensity 1.4 cd/m LEDs/ach optic 1 Efficiency 76 % Required components: C14734_FLORENTINA-2X2.SHD CCTET©LED LED XHP50 VYHAY FYTM 41.0° / 66.0° Efficiency 76 % Required components: C15196_FLORENTINA-2X2.SHD-OPEN CCTET©LED LED XHP70 VYHAY FYTM 48.0° / 71.0° Efficiency 48.0° / 71.0° Efficiency 48.0° / 71.0° Efficiency 12. cd/m LEDs/ach optic 1 ED XHP70 VYHAY FYTM 48.0° / 71.0° Efficiency 12. cd/m LEDs/ach optic 1 ED XHP70 VYHAY FYTM 48.0° / 71.0° Efficiency 30.% CCTET©LED LED XHP70 VYHAY FYTM 48.0° / 71.0° Efficiency 70.% Efficiency 70.% Efficiency 70.% Required components: C14734_FLORENTINA-2X2.SHD-OPEN			
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NYMH / PIVTM       410 / 66.0°         Efficiency       76.%         Ackinstruit       1.4.201         LEDs/each optic       1         Jiph colour       While         Required components:       C14734_FLORENTINA-2X2-SHD         CREE\$LED       Image: Components:         LED       XHP50         WMM / FVTM       410 / 66.0°         Efficiency       76.%         Pack intensity       1.4.201         LEDs/each optic       1         Light colour       While         Required components:       C15196_FLORENTINA-2X2-SHD-OPEN         CIS196_FLORENTINA-2X2-SHD-OPEN       Image: Components:         C15196_FLORENTINA-2X2-SHD-OPEN       Image: Components:         C15196_FLORENTINA-2X2-SHD       Image: Components:         C14734_FLORENTINA-2X2-SHD       Image	LED		
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C14734_FLORENTINA-2X2-SHD  CCETE C LED  LED XHP50  WHM / FWTM 41.0° / 66.0°  HHM / FWTM 41.0° / 66.0°  CED XHP50  CT5196_FLORENTINA-2X2-SHD-OPEN  CT5196_FLORENTINA-2X2-SHD-OPEN  CETE LED  LED XHP70  WHM / FWTM 48.0° / 71.0°  HHM / FWTM 48.0°  HHM / F			
CREE\$LED LED XHP50 WMM / FVTM 41.0° / 66.0° Efficiency 76 % Pack intensity 1.4 cd/m LEDs/acch optic 1 ight colour White Required components: C15196_FLORENTINA-2X2-SHD-OPEN CREE\$LED LED XHP70 WMM / FVTM 48.0° / 71.0° Efficiency 80 % Pack intensity 1.2 cd/m LEDs/acch optic 1 LEDs/acch			
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ED XHP50 WMH //FVTTM 410*/65.0* Sindicency 76 % Pack Intensity 1.4 collm EDS/seach optic 1 .ight colour While Required components: C15196_FLORENTINA-2X2-SHD-OPEN WMH //FVTTM 48.0*/71.0* Sinciency 69 % Pack Intensity 1.2 collm EDS/seach optic 1 .ight colour While Required components: C14734_FLORENTINA-2X2-SHD ED XHP70 WMH //FVTTM 48.0*/71.0* Sinciency 70 % Pack Intensity 1.2 collm .ED XHP70 WMH //FVTM 48.0*/71.0* Sinciency 70 % Pack Intensity 1.2 collm .ED XHP70 .ED			
ED XHP50 WMH //FVTTM 410*/65.0* Sindicency 76 % Pack Intensity 1.4 collm EDS/seach optic 1 .ight colour While Required components: C15196_FLORENTINA-2X2-SHD-OPEN WMH //FVTTM 48.0*/71.0* Sinciency 69 % Pack Intensity 1.2 collm EDS/seach optic 1 .ight colour While Required components: C14734_FLORENTINA-2X2-SHD ED XHP70 WMH //FVTTM 48.0*/71.0* Sinciency 70 % Pack Intensity 1.2 collm .ED XHP70 WMH //FVTM 48.0*/71.0* Sinciency 70 % Pack Intensity 1.2 collm .ED XHP70 .ED			
WHM / FWTM       41.0° / 66.0°         Efficiency       7.6 %         Peak intensity       1.4 cd/m         EDS/each optic       1         Jght colour       White         Required components:       CT5196_FLORENTINA-2X2-SHD-OPEN         CCEEE > LED       Hermite         Jeak intensity       1.2 cd/m         LED       XHP70         WHM / FWTM       48.0° / 71.0°         Efficiency       6 %         Peak intensity       1.2 cd/m         EDS/each optic       1         Jght colour       White         Required components:       C14734_FLORENTINA-2X2-SHD         CREE > LED       Herzy         ED       XHP70         WHM / FWTM       48.0° / 71.0°         Efficiency       70 %         Peak intensity       1.2 cd/m         EDD       XHP70         EMM / FUTM       48.0° / 71.0°         Efficiency       70 %         Peak intensity       1.2 cd/m         .EDS/each optic       1         .jght colour       White         Required components:			
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EDS/each optic 1 ight colour White Required components: C15196_FLORENTINA-2X2-SHD-OPEN CREE CLED ED XHP70 WHM / FWTM 48.0° / 71.0° Efficiency 69 % Peak intensity 1.2 cd/lm EDS/each optic 1 ight colour White Required components: C14734_FLORENTINA-2X2-SHD CREE CLED ED XHP70 WHM / FVTM 48.0° / 71.0° Efficiency 70 % Peak intensity 1.2 cd/lm EDS/each optic 1 ight colour White Required components: C14734_FLORENTINA-2X2-SHD	Efficiency	76 %	er X / / Mark X / Mark
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Required components: C15196_FLORENTINA-2X2-SHD-OPEN ED XHP70 WHM / FWTM 48.0° / 71.0° Efficiency 69 % Peak intensity 1.2 col/m .EDs/each optic 1 .ght colour White Required components: C14734_FLORENTINA-2X2-SHD EED XHP70 WHM / FWTM 48.0° / 71.0° Efficiency 70 % Peak intensity 1.2 col/m .EDs/each optic 1 	LEDs/each optic	1	$X \times X \times X$
C15196_FLORENTINA-2X2-SHD-OPEN	Light colour	White	* / / *
CREE COMPANY AND	Required compone	nts:	
ED XHP70 FWHM / FWTM 48.0° / 71.0° Efficiency 69 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: C14734_FLORENTINA-2X2-SHD CREESIED LED XHP70 FWHM / FWTM 48.0° / 71.0° Efficiency 70 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components:	C15196_FLORE	NTINA-2X2-SHD-OPEN	
ED XHP70 FWHM / FWTM 48.0° / 71.0° Efficiency 69 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: C14734_FLORENTINA-2X2-SHD CREESIED LED XHP70 FWHM / FWTM 48.0° / 71.0° Efficiency 70 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components:			
ED XHP70 FWHM / FWTM 48.0° / 71.0° Efficiency 69 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: C14734_FLORENTINA-2X2-SHD CREESIED LED XHP70 FWHM / FWTM 48.0° / 71.0° Efficiency 70 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components:			
ED       XHP70         FWHM / FWTM       48.0° / 71.0°         Efficiency       69 %         Peak intensity       1.2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       C14734_FLORENTINA-2X2-SHD         CREEE>LED       XHP70         FWHM / FWTM       48.0° / 71.0°         Efficiency       70 %         Peak intensity       1.2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       C14734_FLORENTINA-2X2-SHD         CREEE>LED       XHP70         FWHM / FWTM       48.0° / 71.0°         Efficiency       70 %         Peak intensity       1.2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       Event with the sequired components:			
EVHM / FWTM 48.0° / 71.0° Efficiency 69 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components: C14734_FLORENTINA-2X2-SHD CREESIED LED XHP70 FWHM / FWTM 48.0° / 71.0° Efficiency 70 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:	LED	XHP70	
Efficiency 69 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components: C14734_FLORENTINA-2X2-SHD CREE\$LED LED XHP70 WHM / FWTM 48.0° / 71.0° WHM / FWTM 48.0° / 71.0° Efficiency 70 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:			
Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: C14734_FLORENTINA-2X2-SHD CREE LED LED XHP70 WHM / FWTM 48.0° / 71.0° Efficiency 70 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components:			
LEDs/each optic 1 Light colour White Required components: C14734_FLORENTINA-2X2-SHD CREE CIED LED XHP70 WHM / FWTM 48.0° / 71.0° Efficiency 70 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components:		1.2 cd/lm	
Light colour White Required components: C14734_FLORENTINA-2X2-SHD			
Required components: C14734_FLORENTINA-2X2-SHD CREE LED LED XHP70 WHM / FWTM 48.0° / 71.0° Efficiency 70 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:		1	$X \neq A = A \times X$
C14734_FLORENTINA-2X2-SHD	Light colour		
CREE CIED ED XHP70 WHM / FWTM 48.0° / 71.0° Efficiency 70 % Peak intensity 1.2 cd/lm EDs/each optic 1 Light colour White Required components:		White	e
CREE LED LED XHP70 FWHM / FWTM 48.0° / 71.0° Efficiency 70 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:	Required compone	White nts:	g* 39 #
CREE LED LED XHP70 FWHM / FWTM 48.0° / 71.0° Efficiency 70 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:	Required compone	White nts:	er
LED XHP70 FWHM / FWTM 48.0° / 71.0° Efficiency 70 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:	Required compone	White nts:	30- 10- 10-
FWHM / FWTM       48.0° / 71.0°         Efficiency       70 %         Peak intensity       1.2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       ••••••••••••••••••••••••••••••••••••	Required compone C14734_FLORE	White nts: NTINA-2X2-SHD	
Efficiency 70 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:	Required compone C14734_FLORE	White hts: NTINA-2X2-SHD	
Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:	Required compone C14734_FLORE	White hts: NTINA-2X2-SHD XHP70	
LEDs/each optic 1 Light colour White Required components:	Required compone C14734_FLORE	White hts: NTINA-2X2-SHD XHP70 48.0° / 71.0°	
Light colour White Required components:	Required compone C14734_FLORE	White hts: NTINA-2X2-SHD XHP70 48.0° / 71.0° 70 %	
Required components:	Required compone C14734_FLORE	White hts: NTINA-2X2-SHD XHP70 48.0° / 71.0° 70 % 1.2 cd/lm	
	Required compone C14734_FLORE	White hts: NTINA-2X2-SHD XHP70 48.0° / 71.0° 70 % 1.2 cd/lm 1	
	Required compone C14734_FLORE CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White hts: NTINA-2X2-SHD XHP70 48.0° / 71.0° 70 % 1.2 cd/lm 1 White	
	Required compone C14734_FLORE CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White hts: NTINA-2X2-SHD XHP70 48.0° / 71.0° 70 % 1.2 cd/lm 1 White hts:	
	Required compone C14734_FLORE	White hts: NTINA-2X2-SHD XHP70 48.0° / 71.0° 70 % 1.2 cd/lm 1 White hts:	
	Required compone C14734_FLORE CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White hts: NTINA-2X2-SHD XHP70 48.0° / 71.0° 70 % 1.2 cd/lm 1 White hts:	



LED	XHP70	
FWHM / FWTM	48.0° / 73.0°	
Efficiency	77 %	
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
C14960_FLORI	ENTINA-2X2-SHD-WHT	
	EDS	
LED	LUXEON M/MX	
FWHM / FWTM	42.0° / 66.0°	
Efficiency	79 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
C14960_FLORI	ENTINA-2X2-SHD-WHT	
	EDS	
LED	LUXEON M/MX	
FWHM / FWTM	43.0° / 72.0°	
Efficiency	82 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	e / 1
Required compone	ents:	
	EDS	
LED	LUXEON M/MX 42.0° / 66.0°	
LED	LUXEON M/MX	
LED FWHM / FWTM Efficiency	LUXEON M/MX 42.0° / 66.0° 74 %	27 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1
LED FWHM / FWTM Efficiency Peak intensity	LUXEON M/MX 42.0° / 66.0°	27
LED FWHM / FWTM Efficiency	LUXEON M/MX 42.0° / 66.0° 74 % 1.4 cd/lm	27 27 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON M/MX 42.0° / 66.0° 74 % 1.4 cd/lm 1 White	27 27 28 29 29 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	LUXEON M/MX 42.0° / 66.0° 74 % 1.4 cd/lm 1 White	6- 6-
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON M/MX 42.0° / 66.0° 74 % 1.4 cd/lm 1 White ents:	22 50 60 102 102 102
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON M/MX 42.0° / 66.0° 74 % 1.4 cd/lm 1 White ents:	



LUMIL	EDS	1000	s.v	8
LED	LUXEON M/MX		1	1
FWHM / FWTM	41.0° / 66.0°			12~7
Efficiency	74 %		.X / 1	$\times / / H$
Peak intensity	1.4 cd/lm		$^{\circ} \times \Lambda$	$M \times$
LEDs/each optic	1			
Light colour	White		e / 🔁	
Required compone	ents:			
C15196_FLOR	ENTINA-2X2-SHD-OPEN			
	EDS		6.7	. · · · ·
LED	LUXEON MZ			1 hours
FWHM / FWTM	33.0° / 56.0°			1 A
Efficiency	77 %			
Peak intensity	2.2 cd/lm			
LEDs/each optic	1		$\times$ / [	$1 \land \land$
Light colour	White		* \/	
Required compone	ents:		- /~- + - se	AM
C15196_FLORI	ENTINA-2X2-SHD-OPEN			
	EDC			
LUMIL	EUS		1.7 A	
LED	LUXEON MZ		* /	1 /
LED FWHM / FWTM	LUXEON MZ 33.0° / 56.0°		*	1A
LED FWHM / FWTM Efficiency	LUXEON MZ 33.0° / 56.0° 81 %		ж ж.	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White		8 9 9	K
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White ents:		97 97 97 97 97 97 97 97 97 97 97 97 97 9	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White		3° ° «	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White ents:		9° 9°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White ents:		25 57 67 97 97 97 97 97 97 97 97 97 97 97 97 97	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White ents: ENTINA-2X2-SHD-WHT		$\Delta \Lambda$	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14960_FLORI	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White ents: ENTINA-2X2-SHD-WHT			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14960_FLORI	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White ents: ENTINA-2X2-SHD-WHT			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14960_FLORI	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White ents: ENTINA-2X2-SHD-WHT EDS LUXEON MZ			LE
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14960_FLORI	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White ents: ENTINA-2X2-SHD-WHT LUXEON MZ 33.0° / 56.0°			LE
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14960_FLORI	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White ents: ENTINA-2X2-SHD-WHT <b>LUXEON MZ</b> 33.0° / 56.0° 78 %			LE
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14960_FLORI	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White ents: ENTINA-2X2-SHD-WHT LUXEON MZ 33.0° / 56.0° 78 % 2.2 cd/lm			LE
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14960_FLORI	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White ents: ENTINA-2X2-SHD-WHT SEDS LUXEON MZ 33.0° / 56.0° 78 % 2.2 cd/lm 1 White			LE
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14960_FLORI	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White ents: ENTINA-2X2-SHD-WHT SEDS LUXEON MZ 33.0° / 56.0° 78 % 2.2 cd/lm 1 White		20	LE
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14960_FLORI	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White ents: ENTINA-2X2-SHD-WHT <b>LUXEON MZ</b> 33.0° / 56.0° 78 % 2.2 cd/lm 1 White ents:		20	LE
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14960_FLORI	LUXEON MZ 33.0° / 56.0° 81 % 2.2 cd/lm 1 White ents: ENTINA-2X2-SHD-WHT <b>LUXEON MZ</b> 33.0° / 56.0° 78 % 2.2 cd/lm 1 White ents:		20	



OSRAM Opto Semiconductors		a.v
LED	OSCONIQ P 7070	
FWHM / FWTM	40.0° / 65.0°	
Efficiency	71 %	er and the second se
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	e:
Required compone	ents:	
C15196_FLORE	ENTINA-2X2-SHD-OPEN	
OSRAM Opto Semiconductors		2.5 A
LED	OSCONIQ P 7070	
FWHM / FWTM	40.0° / 65.0°	25-
Efficiency	75 %	
Peak intensity	1.5 cd/lm	$(X///X)^{2}$
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
C14960_FLORE	ENTINA-2X2-SHD-WHT	
OSRAM Opto Semiconductors		8.7
LED	OSCONIQ P 7070	
FWHM / FWTM	40.0° / 65.0°	
Efficiency	70 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	1
Required compone		
C14734_FLORE	ENTINA-2X2-SHD	



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

<b>CUMILE</b>	EDS	
LED	LUXEON 7070	
FWHM / FWTM	42.0° / 71.0°	
Efficiency	64 %	
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required component	ts:	
C14734_FLOREN		
<b>ØNICHIA</b>		2. <sup>4</sup>
LED	NV4x144A	
FWHM / FWTM	42.0° / 72.0°	
Efficiency	76 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required component	ts:	
C14734_FLOREN	ITINA-2X2-SHD	
OSRAM		
Opto Semiconductors		8.51
LED	Duris S8	
FWHM / FWTM	39.0° / 70.0°	
Efficiency	76 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required component		X
C14734_FLOREN	ITINA-2X2-SHD	
		24
		107 <b>165</b> 307



#### **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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