

PRODUCT DATASHEET C12868_FLARE-MAXI

FLARE-MAXI

34 x 33 mm lens with ~100° x 15° oval beam

TECHNICAL SPECIFICATIONS:

Dimensions	33.9 x 33.3 mm
Height	16.7 mm
Fastening	glue, pin
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component FLARE-MAXI **Type** Single lens

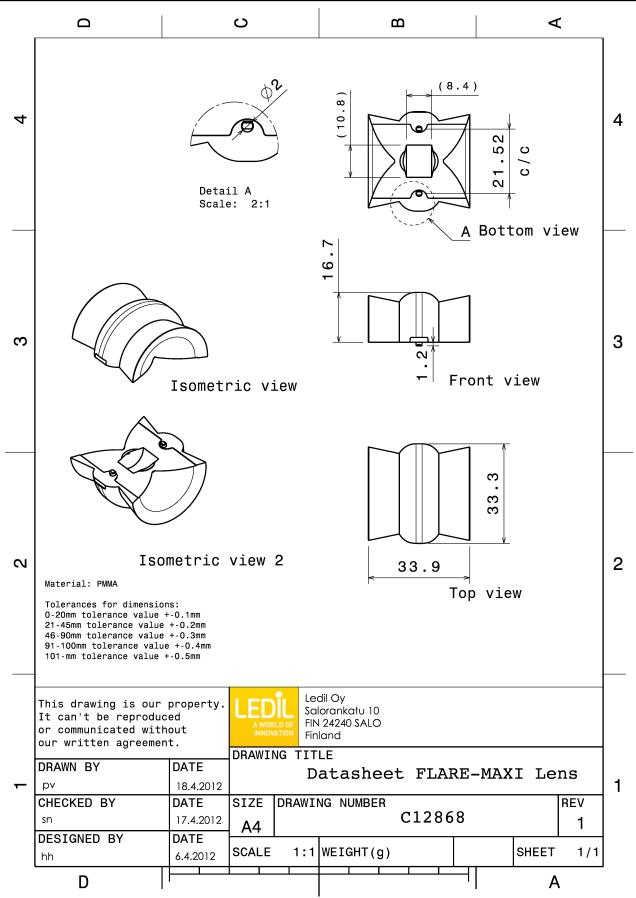
Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12868_FLARE-MAXI	840	168	168	9.5
» Box size:				



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



CREE -		50* 50*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XHP70.2 105.0 + 28.0° / 153.0 + 38.0° 94 % 1.1 cd/lm 1 White	
		30 ⁴ 12 ⁷ 12 ³
CREE {	тм	50° 50°
LED	XM-L	75
FWHM / FWTM	96.0 + 15.0° / 147.0 + 28.0°	
Efficiency	94 %	
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	ře v stal stal stal stal stal stal stal stal
Required compone	ents:	
		30 ⁴ 25 ⁵ 0 ⁴ 25 ⁵
CREE -		
LED FWHM / FWTM	XM-L2 95.0 + 14.0° / 145.0 + 18.0°	
Efficiency	95.0 + 14.0 / 145.0 + 18.0 94 %	
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		150
		30 30
CREE -	TM	90° 90
LED	XP-E	
FWHM / FWTM	94.0 + 6.0° / 149.0 + 10.0°	
Efficiency	94 %	
Peak intensity	4.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		\times \vee \vee \rightarrow λ
		30° 400 10°



CREE 4				
UREES			90*	
LED	XP-E2			
FWHM / FWTM	91.0 + 6.0° / 146.0 + 10.0°		75*	
Efficiency	94 %			
Peak intensity	4.8 cd/lm		60*	
LEDs/each optic	1			
Light colour	White		450	
Required compone				200
			\sim	
			4.4	-
			15%	0° ±5°
CREE ÷			90°	
LED	XP-G			
FWHM / FWTM	105.0 + 11.0° / 152.0 + 22.0°		75*	
Efficiency	94 %			800
Peak intensity	2.5 cd/lm		BUT	
LEDs/each optic	1			
Light colour	White		930	
Required compone	nts:			1630
			300	
			15%	0, 32,
CREE 4	₩ fm		90*	
LED	XP-G2		75*	
FWHM / FWTM	96.0 + 10.0° / 147.0 + 15.0°			800
Efficiency	94 %		60.6	
Peak intensity	3.1 cd/lm	_		
LEDs/each optic	1			1600
Light colour	1 White		937	3690
LEDs/each optic Light colour Required componen	1 White		0	160
Light colour	1 White		e t	202
Light colour	1 White		e.	209
Light colour	1 White		57 57 57	2609 2609 2609 2509 0° 25°
Light colour Required compone	1 White nts:		91 30 30	
Light colour Required component CREE 4	1 White nts:		97 97 99	
Light colour Required component CREE LED	1 White nts: XP-L HD		9° 3° 3° 3°	
Light colour Required component CREE LED FWHM / FWTM	1 White nts: XP-L HD 115.0 + 13.0° / 149.0 + 19.0°		90° 90° 90°	
Light colour Required component CREE LED FWHM / FWTM Efficiency	1 White nts: XP-L HD 115.0 + 13.0° / 149.0 + 19.0° 94 %		97 94 94 94 94 94	
Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity	1 White nts: XP-L HD 115.0 + 13.0° / 149.0 + 19.0° 94 % 2.1 cd/lm		55 26 26 20 20 20 20 20 20 20 20 20 20 20 20 20	
Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White nts: XP-L HD 115.0 + 13.0° / 149.0 + 19.0° 94 % 2.1 cd/lm 1		95°	
Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White nts: XP-L HD 115.0 + 13.0° / 149.0 + 19.0° 94 % 2.1 cd/lm 1 White		65 50 50 50 50 50 50 50 50 50 50 50 50 50	
Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White nts: XP-L HD 115.0 + 13.0° / 149.0 + 19.0° 94 % 2.1 cd/lm 1 White			
Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White nts: XP-L HD 115.0 + 13.0° / 149.0 + 19.0° 94 % 2.1 cd/lm 1 White			
Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White nts: XP-L HD 115.0 + 13.0° / 149.0 + 19.0° 94 % 2.1 cd/lm 1 White		9°	



CREE {		90* 0
LED	XT-E	
FWHM / FWTM	96.0 + 10.0° / 160.0 + 23.0°	75
Efficiency	94 %	
Peak intensity	2.5 cd/lm	
LEDs/each optic	1	
Light colour	White	95* 95
Required compone		
		30"
	EDS	90° 90° 15°
LED	LUXEON M/MX	
EED FWHM / FWTM	100.0 + 23.0° / 147.0 + 36.0°	73*
Efficiency	94 %	400
Peak intensity	94 %	60° 60°
LEDs/each optic	1	
Light colour	White	
Required compone		
rtoquirou compone		
		1200
		30° 15° 0° 15° 30°
	.EDS	50* 30*
LED	LUXEON Rebel ES	
FWHM / FWTM	91.0 + 10.0° / 144.0 + 20.0°	73.
Efficiency	94 %	
Peak intensity	2.8 cd/lm	60 ¹⁰
LEDs/each optic	1	
Light colour	White	45* 459
Required compone	ents:	
		304 30
	EDS	90 ⁴ 35 ⁴ 30 ⁴
		90' 90'
LED	LUXEON T	25'
FWHM / FWTM	96.0 + 10.0° / 147.0 + 115.0°	
Efficiency	92 %	600 600
Peak intensity	2.9 cd/lm	
LEDs/each optic	1	250
Light colour	White	
Required compone	nts:	
		000
		30° 3ť
		15% 00 15%



	FDC		
			90* 90*
LED	LUXEON TX		75. 70
FWHM / FWTM	96.0 + 9.0° / 141.0 + 14.0°		
Efficiency	94 %		60. 60
Peak intensity	3.2 cd/lm		
LEDs/each optic	1		1670
Light colour	White		9°
Required componer	nts:		2600
			30 ⁶ 33 <u>35</u> 30 ⁶ 30 ⁶
ØNICHI		<1444, (1488-862, (1596-16))	30* 50*
LED	NCSxx19B		
FWHM / FWTM	98.0 + 9.0° / 155.0 + 15.0°		· · · · · · · · · · · · · · · · · · ·
Efficiency	94 %		60 ⁴
Peak intensity	3.5 cd/lm		$\mathbf{K} / \mathbf{K} / \mathbf{K} $
LEDs/each optic	1		
Light colour	White		gr er
Required componer	nts:		000
			30, 35, 0, 12, 36,
MNICHIA	k		50° 50°
	NV4x144A		<u>90*</u> 99*
			25. 25. 26.
LED	NV4x144A		
LED FWHM / FWTM	NV4x144A 108.0 + 19.0° / 157.0 + 27.0°		60° 60°
LED FWHM / FWTM Efficiency	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 %		
LED FWHM / FWTM Efficiency Peak intensity	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White		60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White		601 602 627 600 600 607
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White		60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White		601 602 627 600 600 607
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White hts:		61 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White hts:		6)* 60 6)* 60 1233 14* 13* 0* 13* 4*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White hts:		60 ¹ 60 60 ¹ 60 120 120 120 120 120 120 120 12
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component MICHIA LED FWHM / FWTM	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White hts: NVSxx19B/NVSxx19C 98.0 + 11.0° / 153.0 + 23.0°		50 ⁴ 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Required componen Efficiency	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White hts: NVSxx19B/NVSxx19C 98.0 + 11.0° / 153.0 + 23.0° 94 %		50 ⁴ 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Required componen MICHIA LED FWHM / FWTM Efficiency Peak intensity	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White hts: NVSxx19B/NVSxx19C 98.0 + 11.0° / 153.0 + 23.0° 94 % 2.4 cd/lm		50 ⁴ 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White hts: NVSxx19B/NVSxx19C 98.0 + 11.0° / 153.0 + 23.0° 94 % 2.4 cd/lm 1		50 ⁴ 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component MICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White hts: NVSxx19B/NVSxx19C 98.0 + 11.0° / 153.0 + 23.0° 94 % 2.4 cd/lm 1 White		50 ⁴ 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White hts: NVSxx19B/NVSxx19C 98.0 + 11.0° / 153.0 + 23.0° 94 % 2.4 cd/lm 1 White		50 ⁴ 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component MICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White hts: NVSxx19B/NVSxx19C 98.0 + 11.0° / 153.0 + 23.0° 94 % 2.4 cd/lm 1 White		50 ⁴ 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour	NV4x144A 108.0 + 19.0° / 157.0 + 27.0° 94 % 1.4 cd/lm 1 White hts: NVSxx19B/NVSxx19C 98.0 + 11.0° / 153.0 + 23.0° 94 % 2.4 cd/lm 1 White		50 ⁴ 50



ØNICHI/	\	90* 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NWSx229A 122.0 + 13.0° / 147.0 + 20.0° 94 % 2 cd/lm 1 White	
OSRAM Opto Semiconductors		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone		
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351Z 95.0 + 9.0° / 125.0 + 13.0° 94 % 3.5 cd/lm 1 White	



PHOTOMETRIC DATA (SIMULATED):

CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XD16 60.0 + 7.0° / 143.0 + 13.0° 94 % 3.7 cd/lm 1 White	201 000 101 6. 9. 9. 9. 9.9 9.9 9.9 9.9 9.9 9.9 9.9
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 75.0 + 11.0° / 137.0 + 18.0° 95 % 2.8 cd/lm 1 White	200 200 200 200 200 200 200 200
EUMILE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 9.5 + 64.0° / 15.0 + 122.0° 92 % 3.6 cd/lm 1 White	3° 6° 6° 500 500 500 500 500 500 500 500 500 50
WHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON V 12.0 + 79.0° / 23.0 + 143.0° 93 % 2.2 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20



PHOTOMETRIC DATA (SIMULATED):

ΜΝΙCΗΙΛ			90 ⁴
LED	NVSW219D		
FWHM / FWTM	85.0 + 12.0° / 127.0 + 21.0°		72
Efficiency	94 %		
Peak intensity	2.7 cd/lm		60° (
LEDs/each optic	1		
Light colour	White		45 ⁴ 1630 42
Required components:			
			2300
			30*
Μ ΝΙCΗΙΛ			90* 90*
	Nº (0) 4(0, 0)		90" 90
	NVSW3x9A		75*
FWHM / FWTM	95.0 + 12.0° / 144.0 + 22.0°		
Efficiency	94 %		60* 60
Peak intensity	2.3 cd/lm 1		
LEDs/each optic Light colour	ı White		45 ¹
Required components:	White		1500
Required components.			
			30 ⁶ 2400 30 15 ⁹ 0 ⁹ 15 ⁹
OSRAM Opto Semiconductors			90 ⁺ 90
LED	OSCONIQ P 3737 (3W version)		
FWHM / FWTM	69.0 + 12.0° / 133.0 + 20.0°		73
Efficiency	95 %		000
Peak intensity	2.7 cd/lm		60 ⁶⁻
LEDs/each optic	1		
Light colour	White		43 × 1630 43
Required components:			
			0000
			30° 30
OSRAM			125 00 355
Opto Semiconductors		1.583	90° 90
LED	OSCONIQ P 7070	value	75'
FWHM / FWTM	84.0 + 18.0° / 140.0 + 23.0°	Y coordinate value	400
Efficiency	93 %	coord	600 60
Peak intensity	1.8 cd/lm	*	
LEDs/each optic	1	-1.583 -1.583 0 1.583 X coordinate value	
Light colour	White	Detector Image: Illuminance	
Required components:		H.4.2000 Hectory 4, 000 parts 1. Hillenser, Miski 100 v 100 v, Yesi ett + 1000 Hert Hildenser, Hillenser, Miski 100 v 100 v, Yesi ett - 1000 Hillenser, H.2000 (2000)	
		Configuration 1 of 1	
			hear
			30*
			15" 0° 15°



PHOTOMETRIC DATA (SIMULATED):

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LH351B 68.0 + 10.0° / 126.0 + 17.0° 94 % 3.2 cd/lm 1 White	91 ⁴ 91 ⁴ 92 ⁴ 900 900 900 900 900 900 900 900 900 90
SAMSU	NG	24° 25° 25° 25°
LED	LH351C	77
FWHM / FWTM	74.0 + 11.0° / 126.0 + 20.0°	
Efficiency	94 %	eye and a set of the s
Peak intensity	2.9 cd/lm	
LEDs/each optic	1 White	er 160 160
Light colour Required component		



PRODUCT DATASHEET C12868_FLARE-MAXI

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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