

# FLARE-MINI-A

~100° x 20° oval beam

### **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 16.0 mm
Height	8.6 mm
Fastening	glue
ROHS compliant	yes 🛈



## **MATERIAL SPECIFICATIONS:**

**Component** FLARE-MINI-A **Type** Single lens

Material	Colour	Finish
PMMA	clear	

### **ORDERING INFORMATION:**

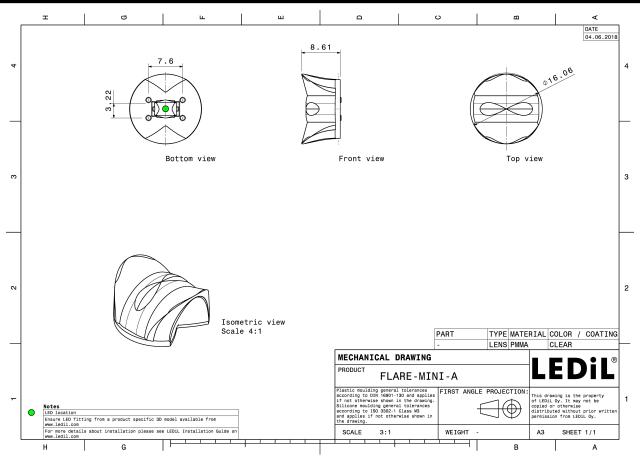
Component C12763\_FLARE-MINI-A » Box size: 300 x 250 x 250 mm

Qty in box	MOQ	MPQ	Box weight (kg)
2400		120	3.8

# PRODUCT DATASHEET C12763\_FLARE-MINI-A



# PRODUCT DATASHEET C12763\_FLARE-MINI-A



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



# PHOTOMETRIC DATA (MEASURED):

		50° 50°
LED	 XB-D	75
FWHM / FWTM	95.0 + 16.0° / 29.0 + 160.0°	29
Efficiency	94 %	400
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	9° ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (
Required compone	nts:	
		34- 15 <sup>-</sup> 0 <sup>+</sup> 15 <sup>-</sup>
		94° 94
LED	XP-E	
FWHM / FWTM	95.0 + 17.0° / 152.0 + 27.0°	75
Efficiency	94 %	400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	gr 00 01
Required compone	nts:	
		30*
1		15° 0° 15°
		90° 90° 35°
	ХР-Е2	90° 32° 90° 32°
		32. 33. 35. 35. 35. 36. 37. 36. 37. 37. 37. 37. 37. 37. 37. 37
LED	XP-E2	94 95 95 127 0° 127 0° 12 <sup>2</sup> 95
LED FWHM / FWTM	XP-E2 94.0 + 16.0° / 151.0 + 27.0°	60+ 90+ 90+ 90+ 12, 0+ 12, 0+ 12, 12, 0+ 12, 12, 12, 12, 12, 12, 12, 12,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1	90         90         90           93         93         93           33         93         93
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White	21 00 00 80 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White nts:	64 65 67 60 30 60 30 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White nts: XP-G 99.0 + 21.0° / 154.0 + 35.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE Component LED FWHM / FWTM Efficiency	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White nts: XP-G 99.0 + 21.0° / 154.0 + 35.0° 94 %	01     04       23     23       23     04       24     06       25     06       06     06       06     06       06     06
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White nts: XP-G 99.0 + 21.0° / 154.0 + 35.0° 94 % 1.1 cd/lm	01     04       23     23       23     04       24     06       25     06       06     06       06     06       06     06
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity LEDs/each optic	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White nts: XP-G 99.0 + 21.0° / 154.0 + 35.0° 94 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE Compone LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White nts: XP-G 99.0 + 21.0° / 154.0 + 35.0° 94 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE Compone LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White nts: XP-G 99.0 + 21.0° / 154.0 + 35.0° 94 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 94.0 + 16.0° / 151.0 + 27.0° 94 % 1.6 cd/lm 1 White nts: XP-G 99.0 + 21.0° / 154.0 + 35.0° 94 % 1.1 cd/lm 1 White	



## **PHOTOMETRIC DATA (MEASURED):**

-		
		90° 90°
LED	XP-L HD	57
FWHM / FWTM	106.0 + 29.0° / 152.0 + 49.0°	750 750
Efficiency	94 %	200
Peak intensity	0.8 cd/lm	604
LEDs/each optic	1	
Light colour	White	
Required compone		e2, e2,
Required compone		
		50° 15° 0° 15°
		90' 90'
LED	XP-L2	
FWHM / FWTM	100.0 + 30.0° / 152.0 + 53.0°	He H
Efficiency	94 %	200
Peak intensity	0.8 cd/lm	60* 68*
LEDs/each optic	1	
Light colour	White	45'
Required compone		
		800
		30* 15 <sup>4</sup> 0 <sup>4</sup> 15 <sup>4</sup> 30 <sup>4</sup>
		90° 90°
LED	XT-E	
FWHM / FWTM	95.0 + 19.0° / 160.0 + 32.0°	
Efficiency	94 %	60°
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	97 / / et
Required compone	nts:	
		30* 1230 30*
		90* 90* 90*
	NCSxx19A	75'
FWHM / FWTM	87.0 + 15.0° / 141.0 + 26.0°	400
Efficiency	94 %	60° 60°
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	874 - 800
Light colour	White	
Required compone	nis:	
		1220
		30° 30° 30°



# PHOTOMETRIC DATA (MEASURED):

<b>ØNICHI</b>		
LED	NCSxx19B	90* 90*
FWHM / FWTM	95.0 + 17.0° / 135.0 + 29.0°	75* 75*
Efficiency	94 %	400
Peak intensity	1.5 cd/lm	59*
LEDs/each optic	1	
Light colour	White	45°
Required compone		20
		15° 15° 15°
OSRAM Opto Semiconductors		90° 2 3 90°
LED	OSLON Square EC	
FWHM / FWTM	90.0 + 20.0° / 146.0 + 33.0°	
Efficiency	94 %	60° 60°
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	42. 42.
Required compone	nts:	
		30* 1220 30*
		20 V V
OSRAM		
OSRAM Opto Semiconductors		90* 99*
Opto Semiconductors	OSLON SSL 150	9° 97 97
opto Semiconductors LED FWHM / FWTM	108.0 + 12.0° / 150.0 + 23.0°	9)* 99* R1- 460
Opto Semiconductors LED FWHM / FWTM Efficiency	108.0 + 12.0° / 150.0 + 23.0° 93 %	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm	90* 90* 73* 90* 60* 000
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1	90* 90* 73* 400 60* 60*
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White	90° 90° 78° 46° 60° 60° 60° 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White	92* 92 73* 446 69* 64* 69* 65* 69*
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White	90* 90* 73* 90* 60* 60* 60* 60* 1200
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White	20 <sup>4</sup>
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White	90° 90° 23° 90° 64° 60° 64° 60° 1200 00° 1200 00° 100° 00° 100° 00° 100° 00° 100° 00° 10° 10° 00° 10° 00° 1
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White nts:	1200 1600 1600 10 <sup>4</sup> 13 <sup>5</sup> 30 <sup>4</sup>
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White	1200 1600 1600 10 <sup>4</sup> 13 <sup>5</sup> 30 <sup>4</sup>
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White nts:	1200 1600 1600 10 <sup>4</sup> 13 <sup>5</sup> 30 <sup>4</sup>
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White nts: OSLON SSL 80 81.0 + 13.0° / 138.0 + 24.0°	1200 1600 1600 10 <sup>4</sup> 13 <sup>5</sup> 30 <sup>4</sup>
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White nts: OSLON SSL 80 81.0 + 13.0° / 138.0 + 24.0° 93 %	1200 1600 1600 10 <sup>4</sup> 13 <sup>5</sup> 30 <sup>4</sup>
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White nts: OSLON SSL 80 81.0 + 13.0° / 138.0 + 24.0° 93 % 2 cd/lm	1200 1600 1600 10 <sup>4</sup> 13 <sup>5</sup> 30 <sup>4</sup>
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White nts: OSLON SSL 80 81.0 + 13.0° / 138.0 + 24.0° 93 % 2 cd/lm 1 White	1220 1600 1600 10 <sup>10</sup> 12 <sup>30</sup> 10 <sup>10</sup> 10 <sup>10</sup>
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White nts: OSLON SSL 80 81.0 + 13.0° / 138.0 + 24.0° 93 % 2 cd/lm 1 White	1200 1600 1600 10 <sup>4</sup> 13 <sup>5</sup> 30 <sup>4</sup>
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White nts: OSLON SSL 80 81.0 + 13.0° / 138.0 + 24.0° 93 % 2 cd/lm 1 White	1200 1600 1600 10 <sup>4</sup> 13 <sup>5</sup> 30 <sup>4</sup>
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	108.0 + 12.0° / 150.0 + 23.0° 93 % 1.6 cd/lm 1 White nts: OSLON SSL 80 81.0 + 13.0° / 138.0 + 24.0° 93 % 2 cd/lm 1 White	1200 1600 1600 10 <sup>4</sup> 13 <sup>5</sup> 30 <sup>4</sup>



# PHOTOMETRIC DATA (SIMULATED):

CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 95.0 + 25.0° / 144.0 + 43.0° 94 % 1 cd/lm 1 White	20° - 20° -
EUMILE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 14.0 + 88.0° / 25.0 + 170.0° 93 % 1.5 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxx19B/NVSxx19C 22.0 + 93.0° / 36.0 + 141.0° 96 % 1.2 cd/lm 1 White	



#### **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:**

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

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