

# PRODUCT DATASHEET C13016\_FLARE-MINI-AD-PIN

## FLARE-MINI-AD-PIN

~100° x 20° oval beam. Assembly with location pins.

#### **SPECIFICATION:**

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



#### **MATERIALS:**

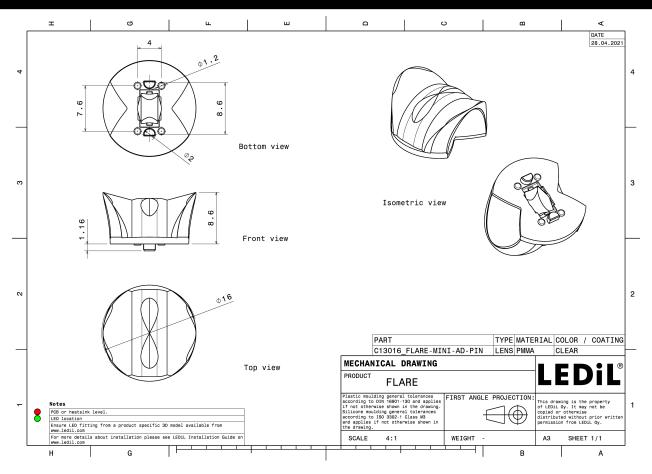
Component	Туре	Material	Colour	Finish
FLARE-MINI-AD-PIN	Single lens	PMMA	clear	

#### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13016_FLARE-MINI-AD-PIN	2400	360	120	4.0
» Box size: 300 x 250 x 250 mm				

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



#### **OPTICAL RESULTS (MEASURED):**

LED	XB-D
FWHM / FWTM	100.0 + 16.0° / 160.0 + 31.0°
Efficiency	93 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required compone	nts:



#### C LED XP-E2 FWHM / FWTM 93.0 + 19.0° / 150.0 + 33.0° Efficiency 94 % Peak intensity 1.3 cd/lm LEDs/each optic 1 White Light colour Required components: LED XP-G FWHM / FWTM 100.0 + 20.0° / 156.0 + 34.0° Efficiency 94 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: LED XP-G2 FWHM / FWTM 97.0 + 24.0° / 154.0 + 41.0° 94 % Efficiency Peak intensity 1 cd/lm LEDs/each optic 1 White Light colour Required components:



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#### **OPTICAL RESULTS (MEASURED):**

		90° 90°
LED	XP-L HD	
FWHM / FWTM	111.0 + 30.0° / 158.0 + 56.0°	720 772
Efficiency	90 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		20
		30" 22 <sup>5</sup> 0 <sup>6</sup> 15" 30"
		50"
LED	XP-L2	
FWHM / FWTM	100.0 + 30.0° / 150.0 + 57.0°	724 782
Efficiency	94 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	et al a a a a a a a a a a a a a a a a a a
Required compone	ents:	
		80
		30° 25 <sup>5</sup> 0 <sup>6</sup> 15° 30°
LED	XT-E	
FWHM / FWTM	104.0 + 19.0° / 164.0 + 36.0°	
Efficiency	94 %	
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
	EDS	
LED	LUXEON CZ	20 <sup>1</sup>
FWHM / FWTM	101.0 + 13.0° / 151.0 + 27.0°	784 787
Efficiency	94 %	
Peak intensity	94 % 1.6 cd/lm	60 <sup>4</sup> 60
LEDs/each optic	1.6 co/im	
LEDS/each oplic	White	
Required compone		
	ano.	
		160
		20* <u>12</u> * 0* 30
		25° 0° 15°



#### **OPTICAL RESULTS (MEASURED):**

ØNICHI/	١	90 <sup>+</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F 101.0 + 26.0° / 149.0 + 45.0° 94 % 0.9 cd/lm 1 White	
ØNICHI/	۱	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 100.0 + 20.0° / 147.0 + 34.0° 94 % 1.1 cd/lm 1 White ents:	
OSRAM Opto Semiconductors		90 <sup>+</sup> FB
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 92.0 + 21.0° / 148.0 + 36.0° 94 % 1.1 cd/lm 1 White ents:	
0.0.0.0		25 <sup>5</sup> 10 <sup>5</sup> 25 <sup>5</sup> 2
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351B 98.0 + 24.0° / 141.0 + 42.0° 94 % 1 cd/lm 1 White	
	επ	500 - 10 <sup>0</sup> - 20 <sup>0</sup> -



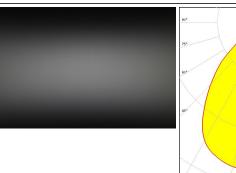
#### **OPTICAL RESULTS (MEASURED):**

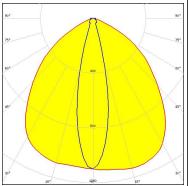
# SAMSUNG

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F	v	٧ŀ	-	٨

M / FWTM Efficiency Peak intensity LEDs/each optic 1 Light colour Required components:

LH351Z 99.0 + 25.0° / 134.0 + 42.0° 94 % 1.1 cd/lm White







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

		Y Y
		90° 90°
LED	XP-G2 HE	72%
FWHM / FWTM	96.0 + 26.0° / 145.0 + 44.0°	
Efficiency	94 %	50* 60*
Peak intensity	1 cd/lm	400
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		30° 15° 0° 15° 30°
		90° 90°
LED	XP-G3	
FWHM / FWTM	94.0 + 22.0° / 149.0 + 41.0°	75.
Efficiency	94 %	
Peak intensity	1.1 cd/im	60°
LEDs/each optic	1	
Light colour	White	gr ar
Required components:		
		30° 15° 0° 35°
	)S	50° (715) 50°
	LUXEON C	90° 90°
		99 <sup>4</sup> 99 <sup>4</sup>
LED	LUXEON C	90° 90°
LED FWHM / FWTM	LUXEON C 15.0 + 94.0° / 24.0 + 172.0°	60 <sup>4</sup> 60 <sup>4</sup>
LED FWHM / FWTM Efficiency	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 %	99 <sup>4</sup> 99 <sup>4</sup> 99 99 99 99 99 99 99 99 99 99 99 99 99
LED FWHM / FWTM Efficiency Peak intensity	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm	5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1	50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1	55° 500 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1	5° (10) (10) (10) (10) (10) (10) (10) (10)
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1 White NVSxx19B/NVSxx19C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1 White NVSxx19B/NVSxx19C 95.0 + 22.0° / 144.0 + 37.0°	73
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WICHIA</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1 White NVSxx19B/NVSxx19C 95.0 + 22.0° / 144.0 + 37.0° 94 % 1.2 cd/lm 1	73
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WICHIN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1 White NVSxx19B/NVSxx19C 95.0 + 22.0° / 144.0 + 37.0° 94 % 1.2 cd/lm	73° 75° 75°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>EXAMPLANCE</b> <b>EXAMPLANCE</b>	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1 White NVSxx19B/NVSxx19C 95.0 + 22.0° / 144.0 + 37.0° 94 % 1.2 cd/lm 1	73
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WICHIN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1 White NVSxx19B/NVSxx19C 95.0 + 22.0° / 144.0 + 37.0° 94 % 1.2 cd/lm 1	73° 75°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WICHIN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1 White NVSxx19B/NVSxx19C 95.0 + 22.0° / 144.0 + 37.0° 94 % 1.2 cd/lm 1	73° 75° 75°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>WICHIN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON C 15.0 + 94.0° / 24.0 + 172.0° 93 % 1.4 cd/lm 1 White NVSxx19B/NVSxx19C 95.0 + 22.0° / 144.0 + 37.0° 94 % 1.2 cd/lm 1	73° 75° 640 60° 65° 60°



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#### **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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#### LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

#### LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B **Casic Motor Building** Shenzhen 518057 P.R.CHINA

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