

## FLARE-B

29 x 23 mm lens with ~100° x 10° oval beam

### TECHNICAL SPECIFICATIONS:

Dimensions	29.0 x 23.0 mm
Height	12.7 mm
Fastening	glue, screw
ROHS compliant	yes ⓘ

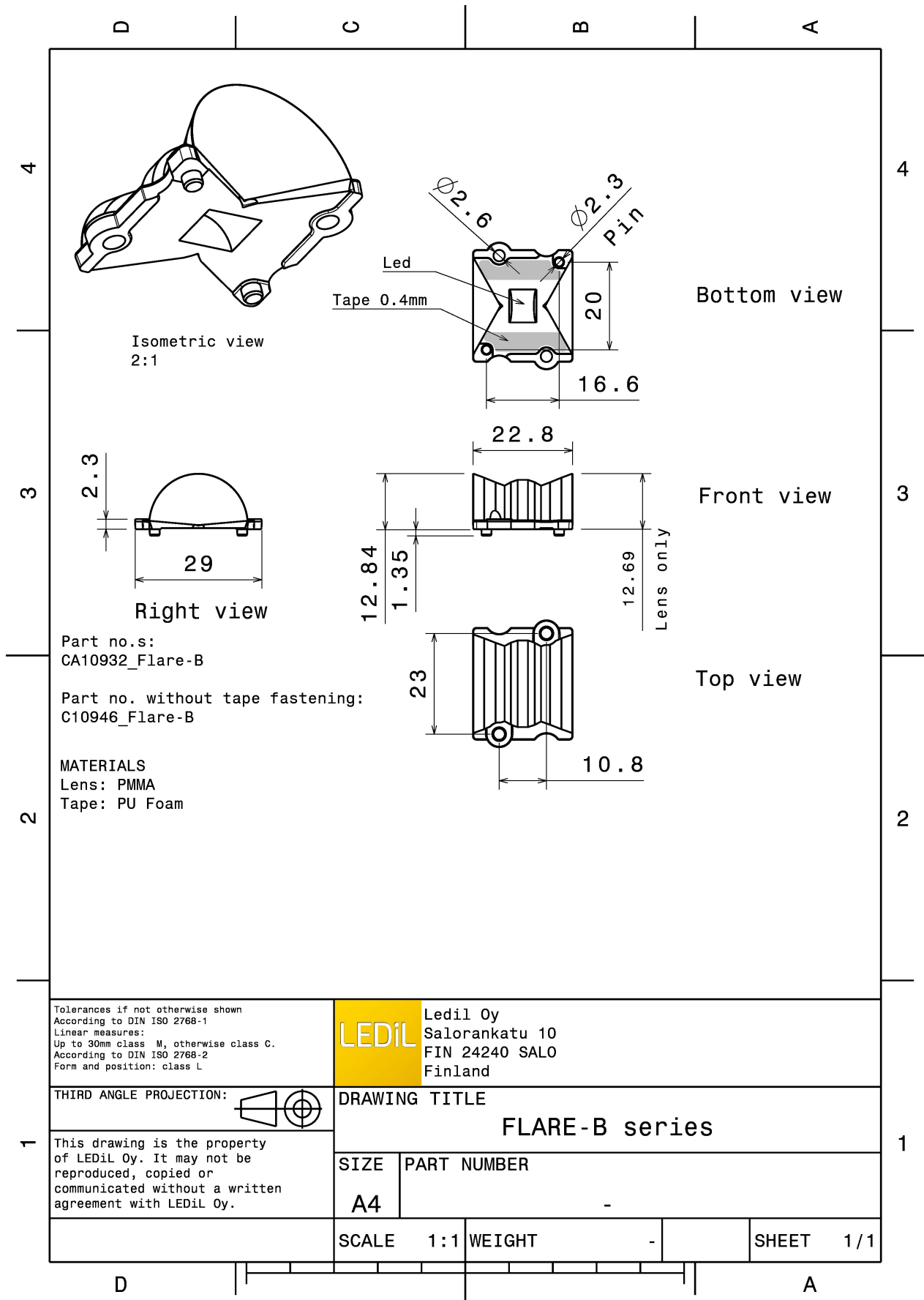


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
FLARE-B	Single lens	PMMA	clear	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C10946_FLARE-B » Box size: 460 x 250 x 300 mm	1792	224	224	8.6



Tolerances if not otherwise shown  
 According to DIN ISO 2768-1  
 Linear measures:  
 Up to 30mm class M, otherwise class C.  
 According to DIN ISO 2768-2  
 Form and position: class L

**LEDiL** Ledil Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland

THIRD ANGLE PROJECTION:

**DRAWING TITLE**  
**FLARE-B series**

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SIZE	PART NUMBER
A4	-

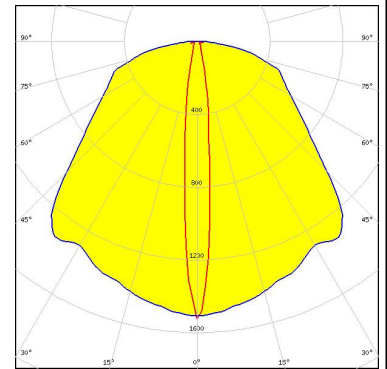
SCALE	1:1	WEIGHT	-	SHEET	1/1
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See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### PHOTOMETRIC DATA (MEASURED):

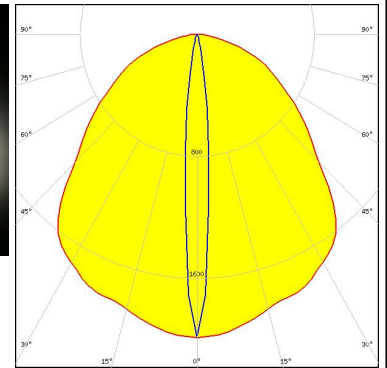
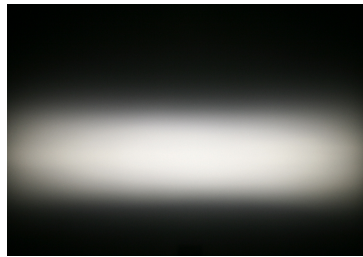
#### CREE LED

LED XB-D  
 FWHM / FWTM 10.0 + 108.0° / 30.0 + 167.0°  
 Efficiency 93 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



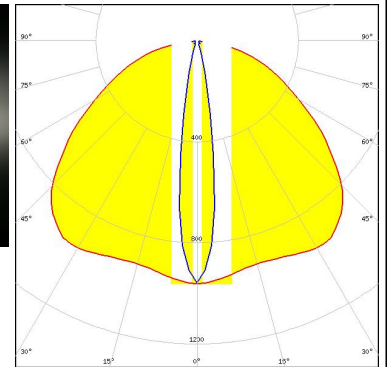
#### CREE LED

LED XP-E  
 FWHM / FWTM 12.0 + 96.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



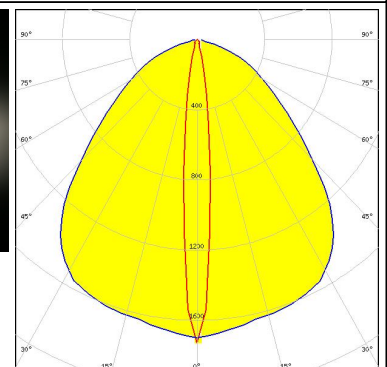
#### CREE LED

LED XP-G  
 FWHM / FWTM 14.0 + 112.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### LUMILEDS

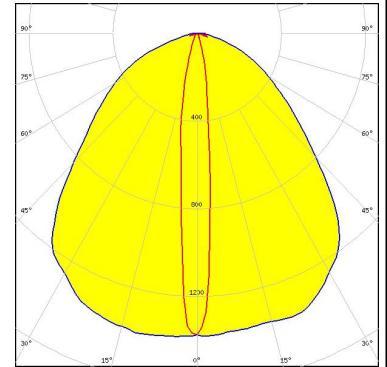
LED LUXEON Rebel  
 FWHM / FWTM 11.0 + 93.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

#### LUMILEDS

LED LUXEON Rebel ES  
 FWHM / FWTM 12.0 + 104.0° / 35.0 + 154.0°  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

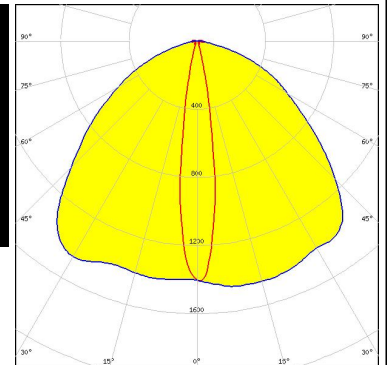
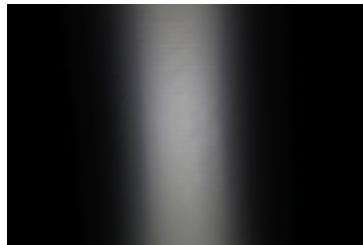


#### NICHIA

LED NCSxx19A  
 FWHM / FWTM 9.0 + 88.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

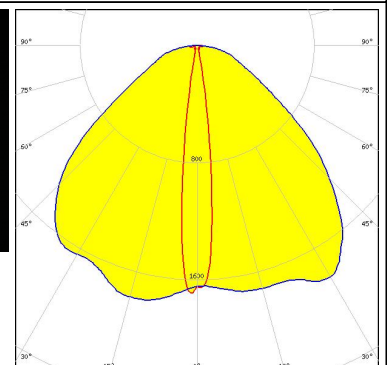
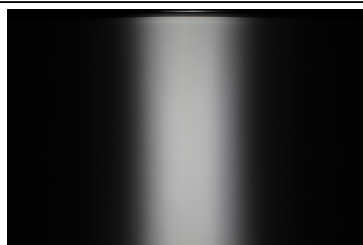
#### NICHIA

LED NVSW219F  
 FWHM / FWTM 16.0 + 111.0° / 29.0 + 151.0°  
 Efficiency 94 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM Opto Semiconductors

LED OSLON Square EC  
 FWHM / FWTM 13.0 + 107.0° / 23.0 + 158.0°  
 Efficiency 94 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

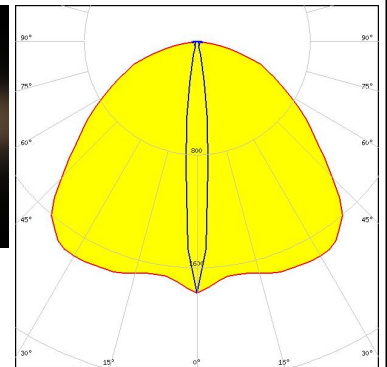


### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

Opto Semiconductors

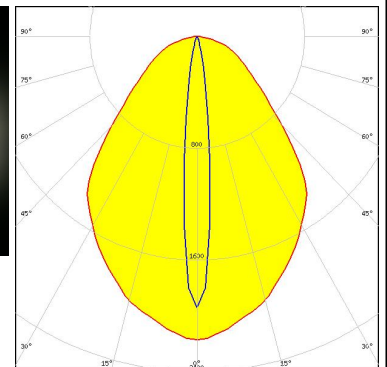
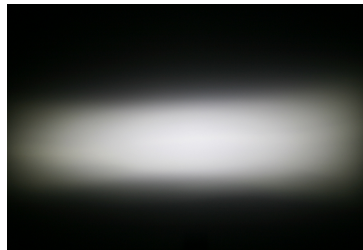
LED OSLON SSL 150  
 FWHM / FWTM 9.0 + 117.0°  
 Efficiency 93 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

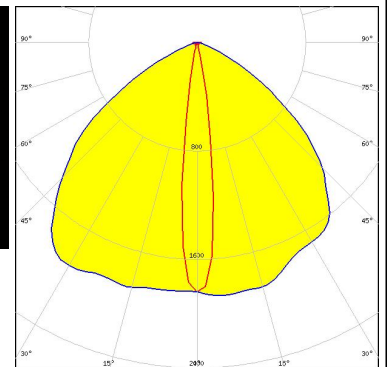
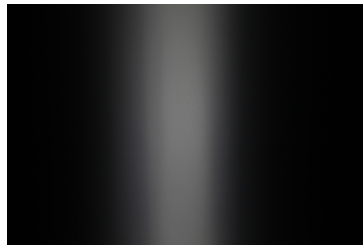
Opto Semiconductors

LED OSLON SSL 80  
 FWHM / FWTM 9.0 + 88.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

LED LH351Z  
 FWHM / FWTM 14.0 + 106.0° / 24.0 + 134.0°  
 Efficiency 94 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

LED Z5  
 FWHM / FWTM 12.0 + 96.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

## PHOTOMETRIC DATA (MEASURED):

### SHARP

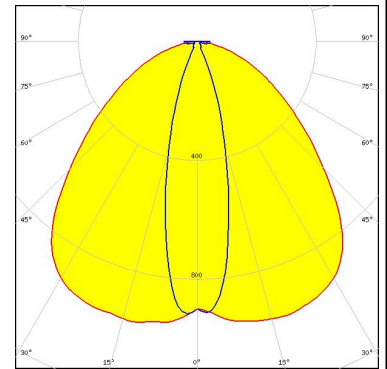
LED	Double Dome (GM2BB)
FWHM / FWTM	11.0 + 104.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	



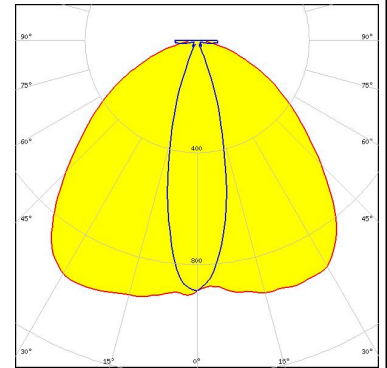
### PHOTOMETRIC DATA (SIMULATED):



LED MHB-A/B  
 FWHM / FWTM 26.0 + 100.0° / 48.0 + 150.0°  
 Efficiency 94 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



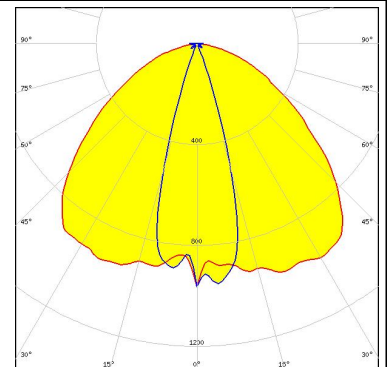
LED XHP50.3 HD  
 FWHM / FWTM 104.0 + 26.0° / 151.0 + 112.0°  
 Efficiency 95 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-E2  
 FWHM / FWTM 18.0 + 108.0° / 32.0 + 155.0°  
 Efficiency 94 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G2  
 FWHM / FWTM 110.0 + 30.0° / 151.0 + 41.0°  
 Efficiency 96 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



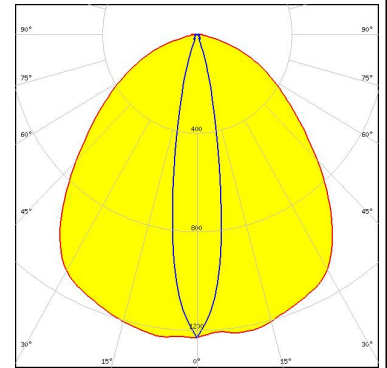
### PHOTOMETRIC DATA (SIMULATED):



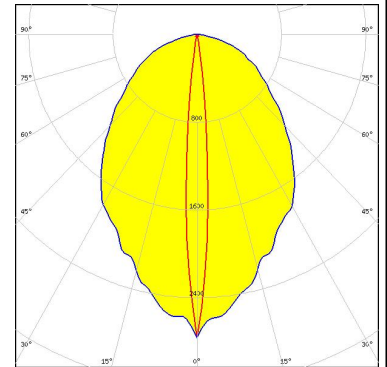
**LED** XP-G2 HE  
**FWHM / FWTM** 16.0 + 99.0° / 29.0 + 150.0°  
**Efficiency** 95 %  
**Peak intensity** 15.2 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



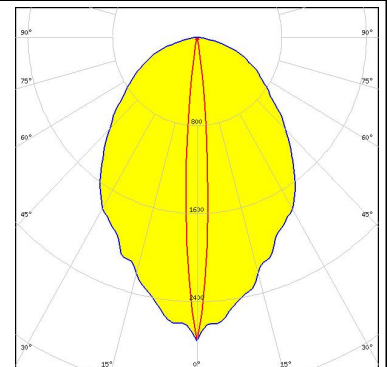
**LED** Duris S8  
**FWHM / FWTM** 19.0 + 97.0° / 37.0 + 148.0°  
**Efficiency** 94 %  
**Peak intensity** 1.2 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** OSLO Signal  
**FWHM / FWTM** 8.0 + 80.0° / 18.0 + 149.0°  
**Efficiency** 97 %  
**Peak intensity** 2.8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** OSLO Signal  
**FWHM / FWTM** 8.0 + 80.0° / 18.0 + 149.0°  
**Efficiency** 97 %  
**Peak intensity** 2.8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**

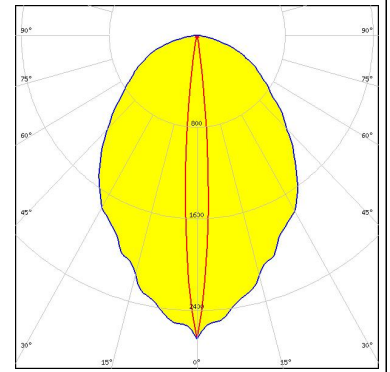




### PHOTOMETRIC DATA (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED	OSLON Signal
FWHM / FWTM	9.0 + 82.0° / 18.0 + 150.0°
Efficiency	97 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



### 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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