

FLARE-B

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

SPECIFICATION:

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

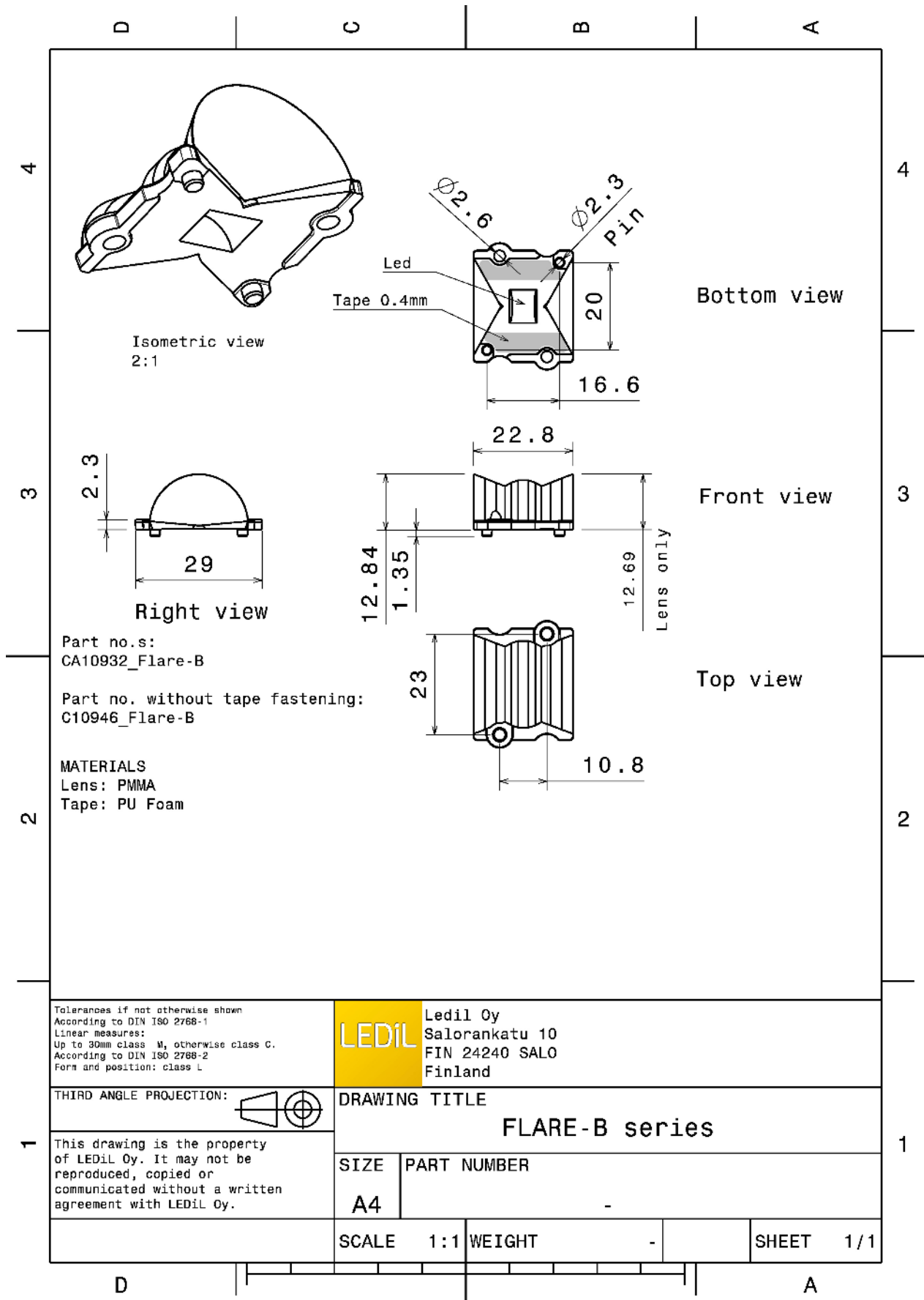
MATERIALS:

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



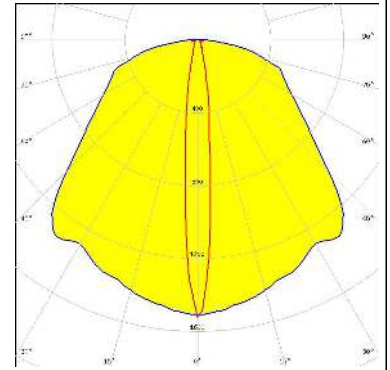


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

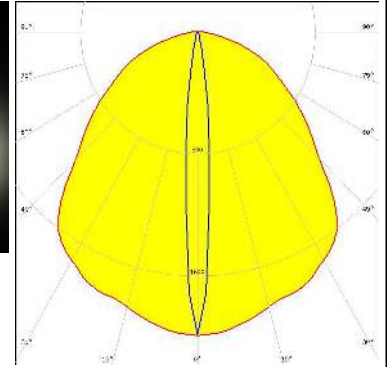
CREE → LED

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:



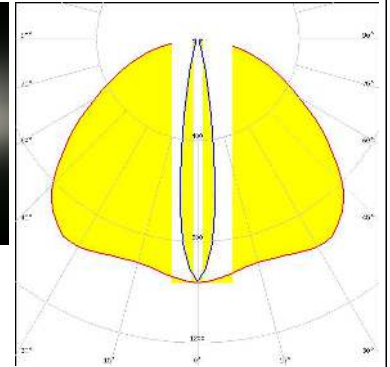
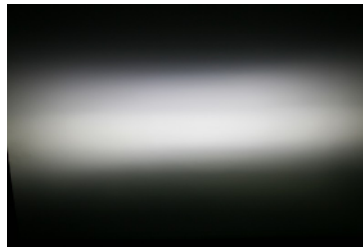
CREE → LED

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



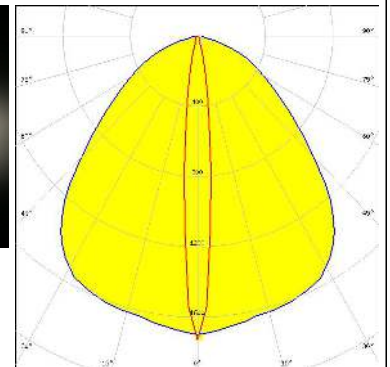
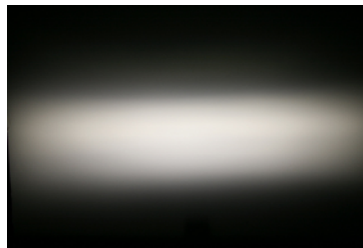
CREE → LED

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

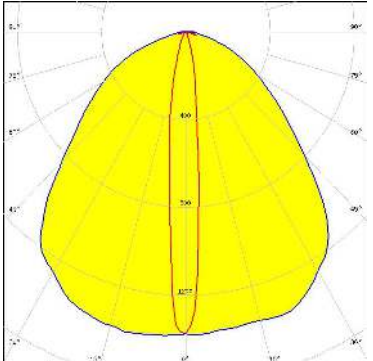
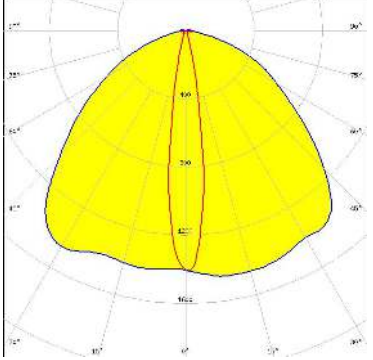
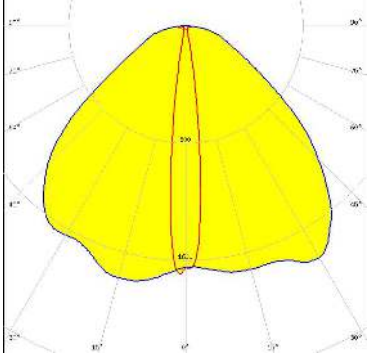


LUMILEDS


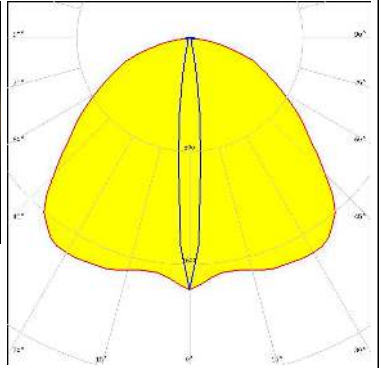

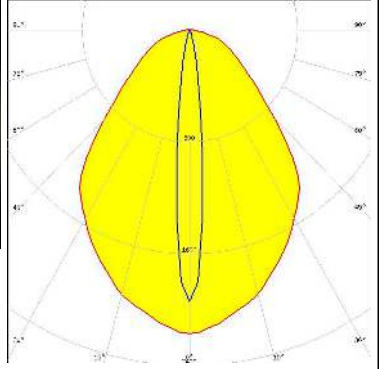
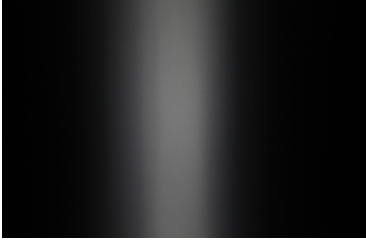
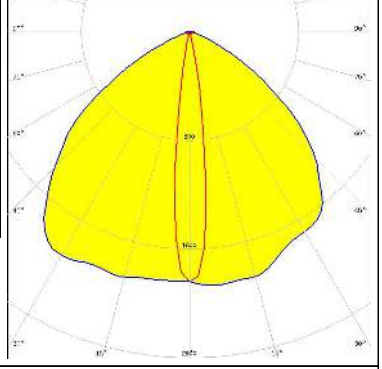


LED LUXEON Rebel
 FWHM / FWTM 11.0 + 93.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED: LUXEON Rebel ES</p> <p>FWHM / FWTM: 12.0 + 104.0° / 35.0 + 154.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 1.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED: NCSxx19A</p> <p>FWHM / FWTM: 9.0 + 88.0°</p> <p>Efficiency: 94 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED: NVSW219F</p> <p>FWHM / FWTM: 16.0 + 111.0° / 29.0 + 151.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 1.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSLOM Square EC</p> <p>FWHM / FWTM: 13.0 + 107.0° / 23.0 + 158.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 1.8 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

OPTICAL RESULTS (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWTM 9.0 + 117.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 80</p> <p>FWHM / FWTM 9.0 + 88.0°</p> <p>Efficiency 94 %</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SAMSUNG</p> <p>LED LH351Z</p> <p>FWHM / FWTM 14.0 + 106.0° / 24.0 + 134.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SECO SEOUL SEMICONDUCTOR</p> <p>LED Z5</p> <p>FWHM / FWTM 12.0 + 96.0°</p> <p>Efficiency %</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (MEASURED):

SHARP

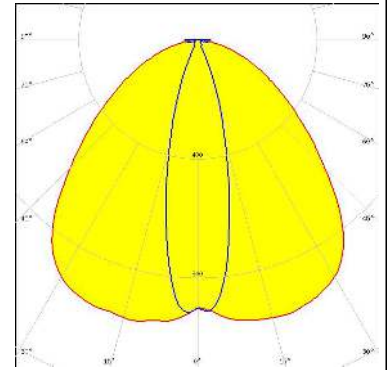
LED	Double Dome (GM2BB)
FWHM / FWTM	11.0 + 104.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

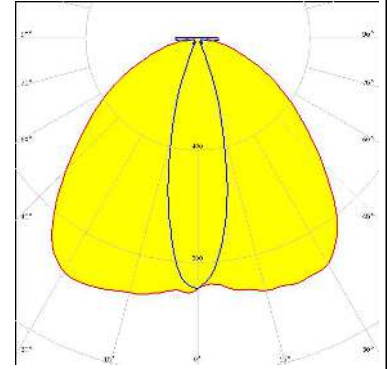
CREE LED

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:



CREE LED

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:

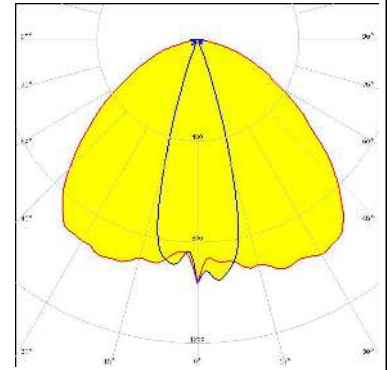


CREE LED

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:

CREE LED

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:



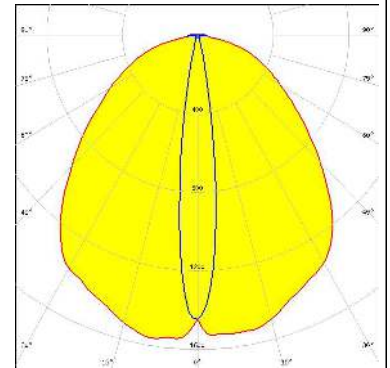
OPTICAL RESULTS (SIMULATED):



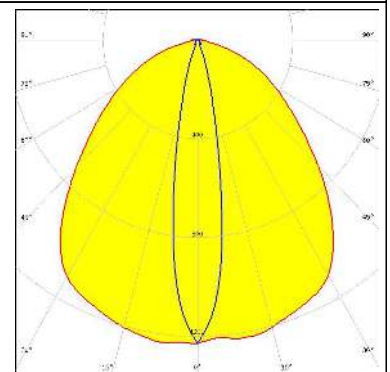
LED XP-G2 HE
 FWHM / FWTM 16.0 + 99.0° / 29.0 + 150.0°
 Efficiency 95 %
 Peak intensity 15.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



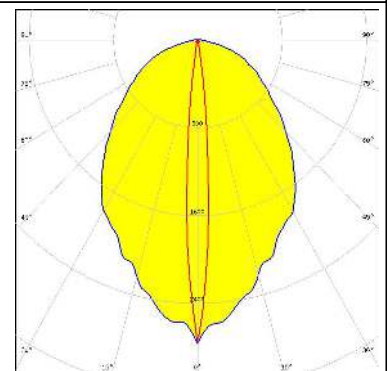
LED XP-G3
 FWHM / FWTM 99.0 + 14.0° / 154.0 + 28.0°
 Efficiency 96 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:



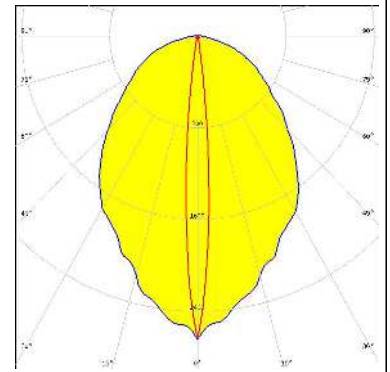
LED OSLOM Signal
 FWHM / FWTM 8.0 + 80.0° / 18.0 + 149.0°
 Efficiency 97 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

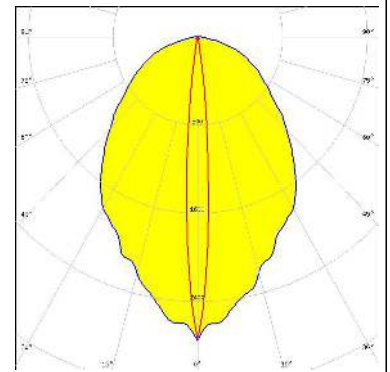
OSRAM
Opto Semiconductors

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:



OSRAM
Opto Semiconductors

LED OSLON 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:



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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