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

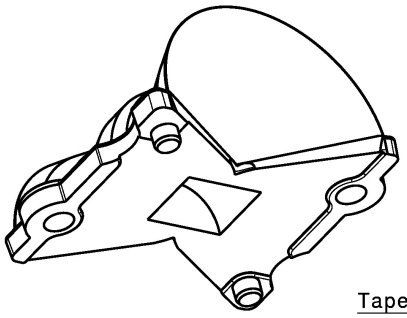
MATERIAL SPECIFICATIONS:

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

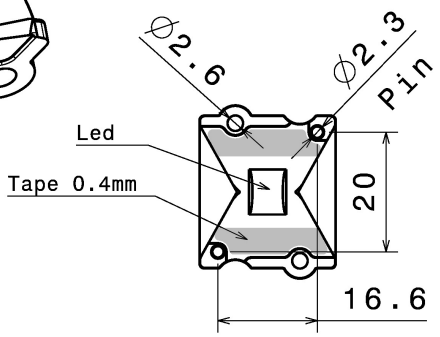
ORDERING INFORMATION:

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

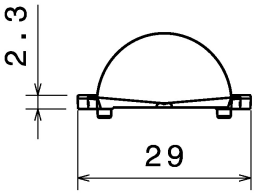
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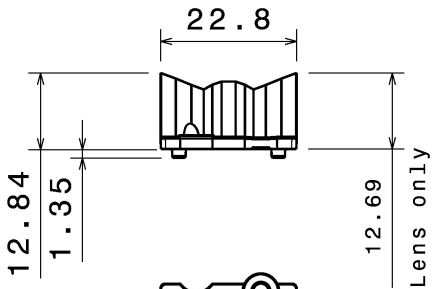
Isometric view
2:1



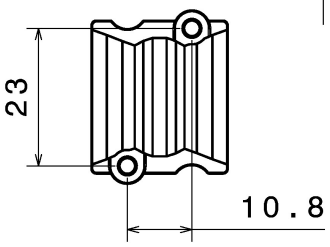
Bottom view



Right view



Front view



Top view

Part no.s:
CA10932_Flare-B

Part no. without tape fastening:
C10946_Flare-B

MATERIALS
Lens: PMMA
Tape: PU Foam

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 Oy Salorankatu 10 FIN 24240 SALO Finland
THIRD ANGLE PROJECTION:	DRAWING TITLE FLARE-B series
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.	SIZE A4 / PART NUMBER -
	SCALE 1:1 / WEIGHT - / SHEET 1/1

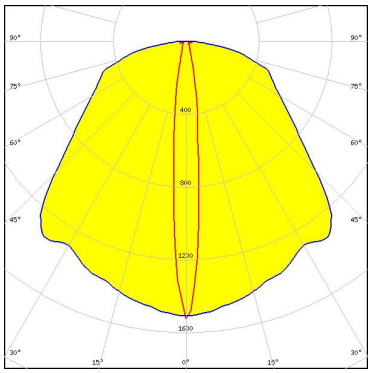
See also our general installation guide: www.ledil.com/installation_guide

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PHOTOMETRIC DATA (MEASURED):

CREE LED

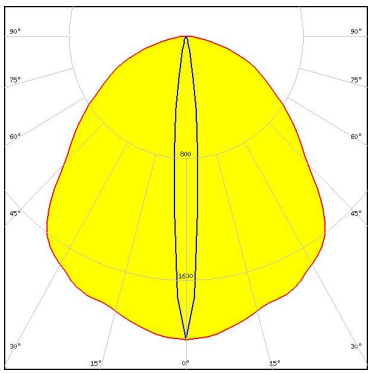
LED	XB-D
FWHM / FWTM	10.0 + 108.0° / 30.0 + 167.0°
Efficiency	93 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

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

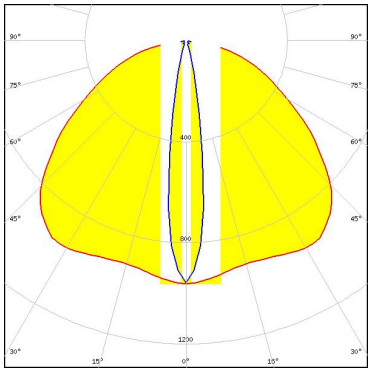




CREE LED

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

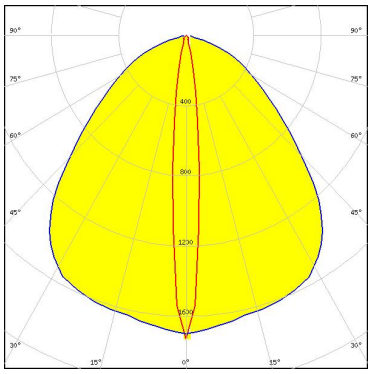




LUMILEDS

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



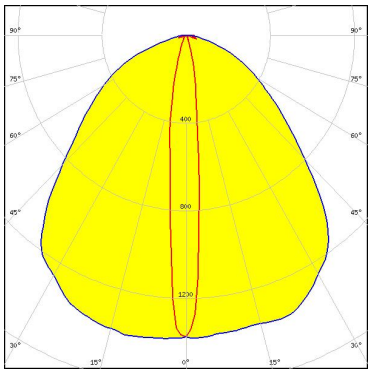


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PHOTOMETRIC DATA (MEASURED):

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:	

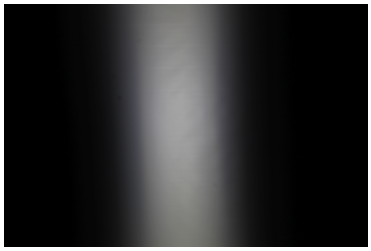


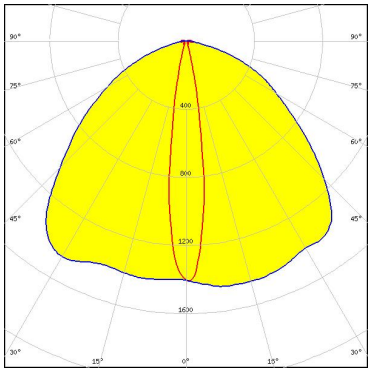
NICHIA

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:	

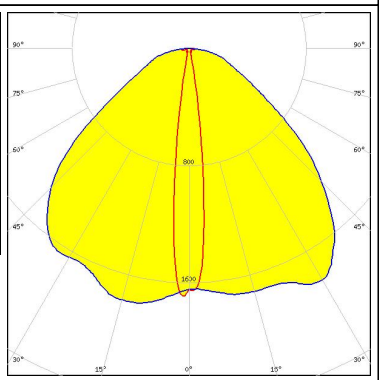




OSRAM
Opto Semiconductors

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:	





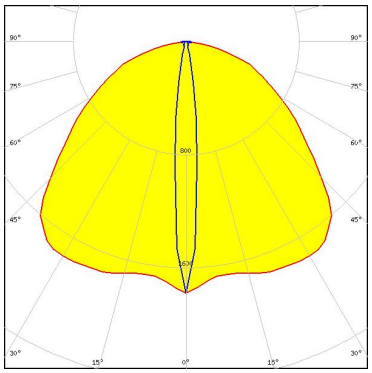
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PHOTOMETRIC DATA (MEASURED):

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:	

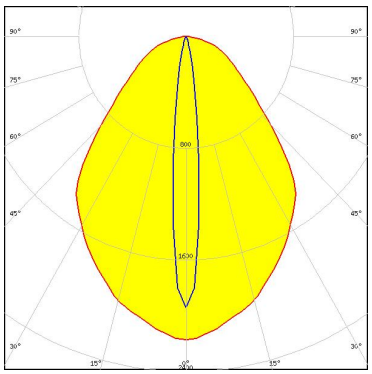




OSRAM
Opto Semiconductors

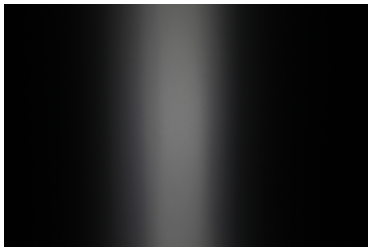
LED	OSLON SSL 80
FWHM / FWTM	9.0 + 88.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White
Required components:	

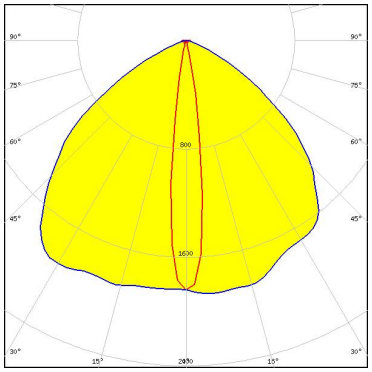




SAMSUNG

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:	

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PHOTOMETRIC DATA (MEASURED):

SHARP

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

Required components:

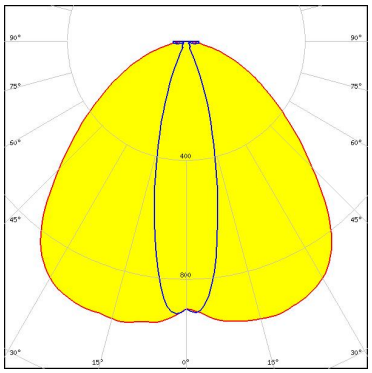


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PHOTOMETRIC DATA (SIMULATED):

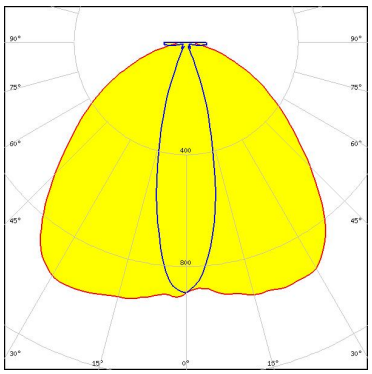
CREE LED

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:	

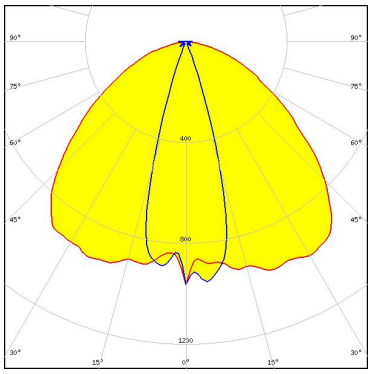


CREE LED

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:	



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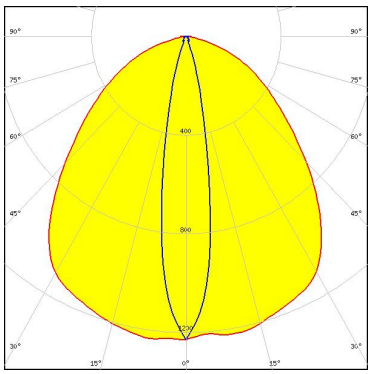
PHOTOMETRIC DATA (SIMULATED):

CREE LED

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:	

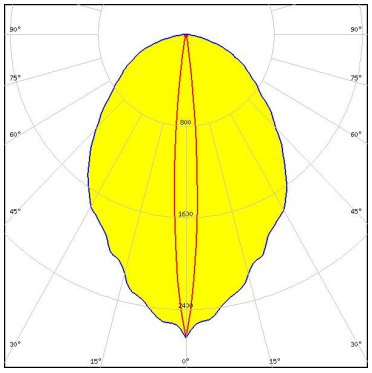
OSRAM
Opto Semiconductors

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:	



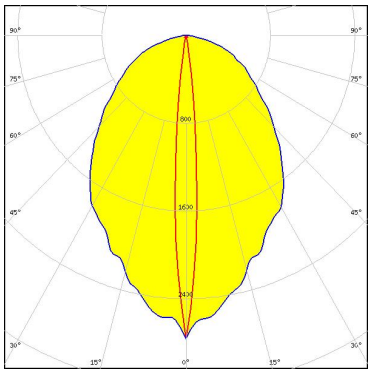
OSRAM
Opto Semiconductors

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:	

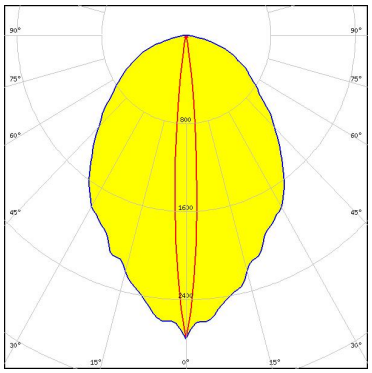


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PHOTOMETRIC DATA (SIMULATED):

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:	



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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.

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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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

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
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