

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 ⓘ

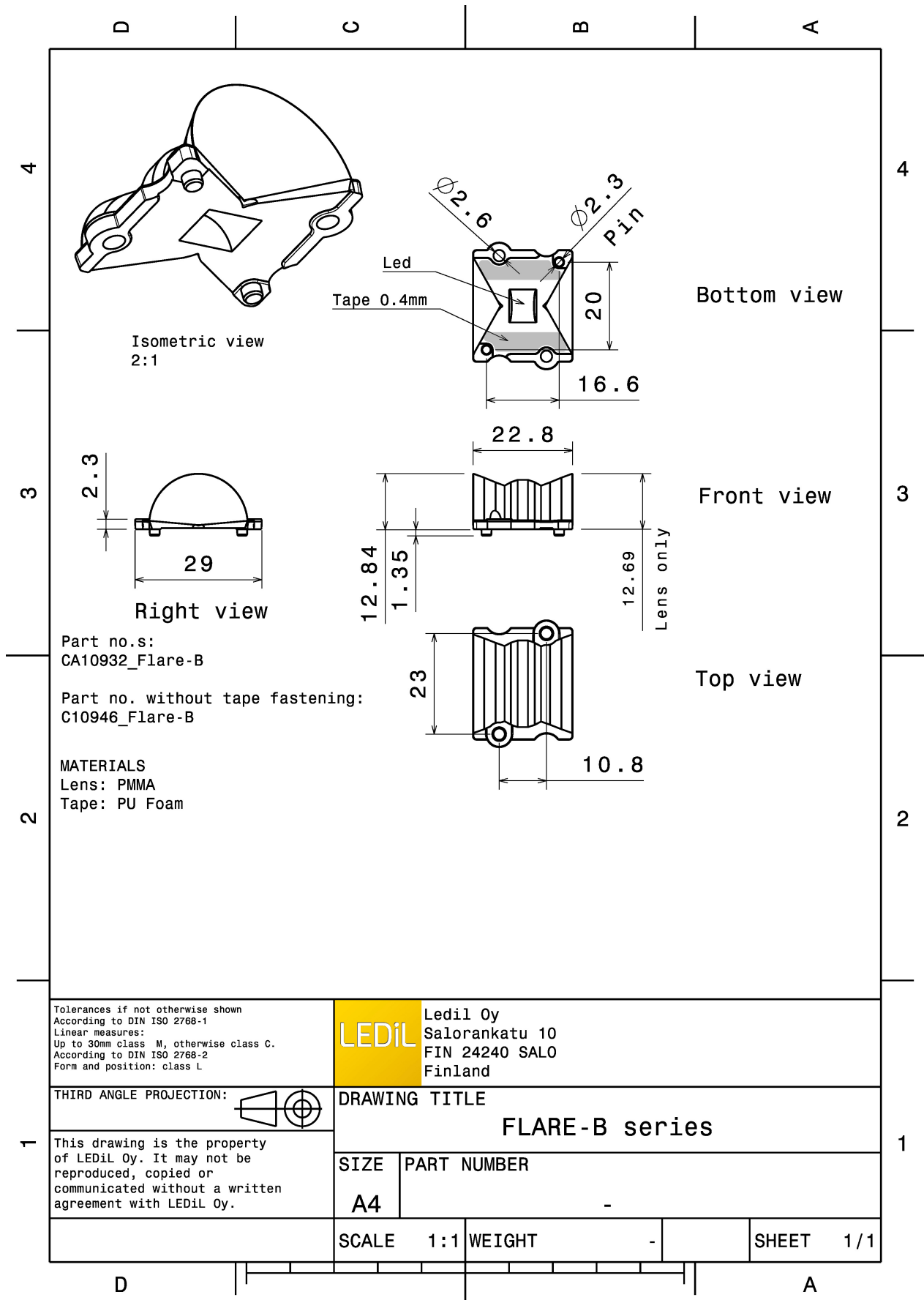


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
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

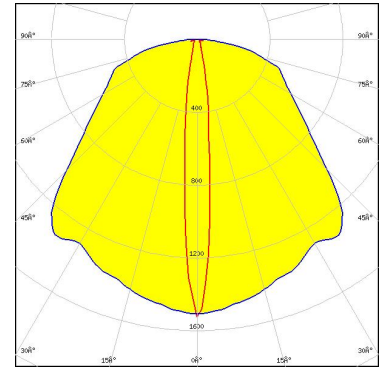


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



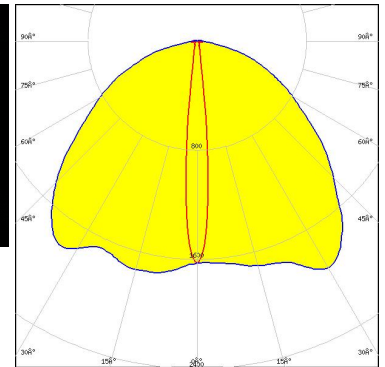
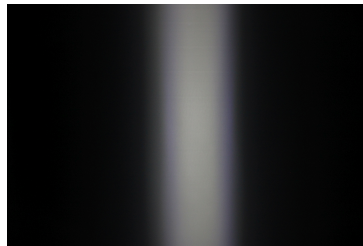
LED XB-D
 FWHM / FWTM 10.0 + 108.0° / 30.0 + 167.0°
 Efficiency 93 %
 Peak intensity 1.5 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



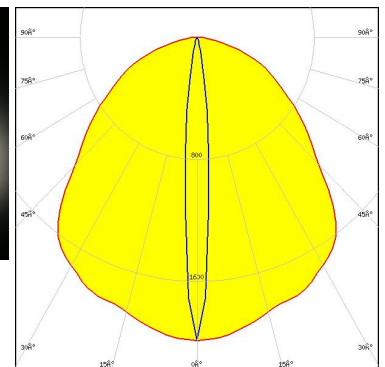
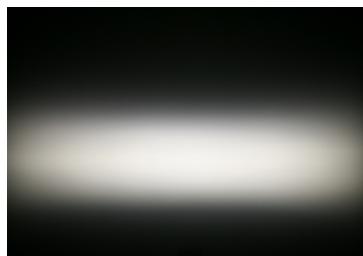
LED XD16
 FWHM / FWTM 11.0 + 111.0° / 21.0 + 156.0°
 Efficiency 97 %
 Peak intensity 1.9 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

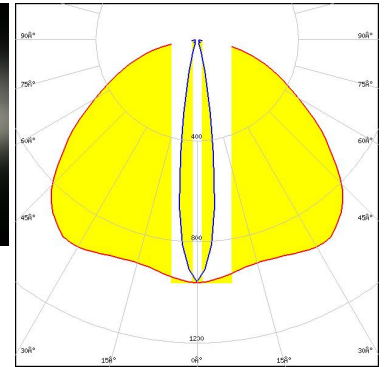
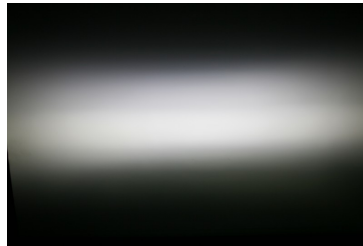


Light distribution files

OPTICAL RESULTS (MEASURED):



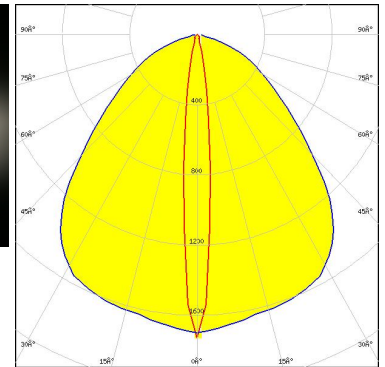
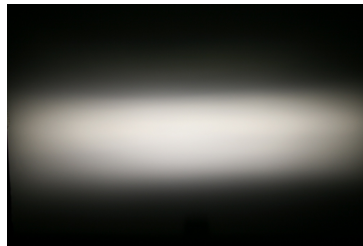
LED XP-G
 FWHM / FWTM 14.0 + 112.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



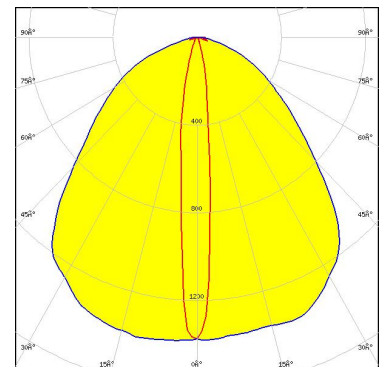
LED LUXEON Rebel
 FWHM / FWTM 11.0 + 93.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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/type White
 Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

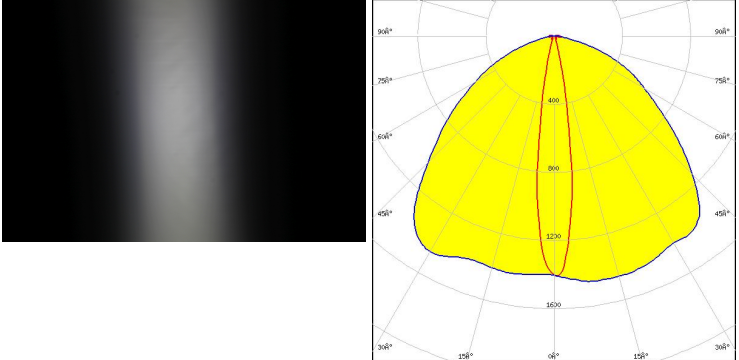
NICHIA

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

Light distribution files

NICHIA

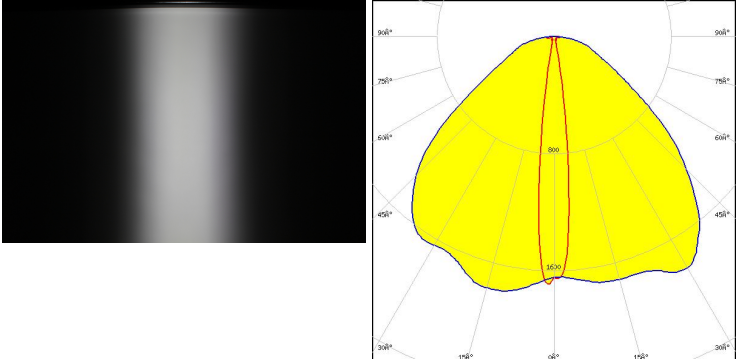
LED	NVSW219F
FWHM / FWTM	16.0 + 111.0° / 29.0 + 151.0°
Efficiency	94 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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/type	White
Required components:	

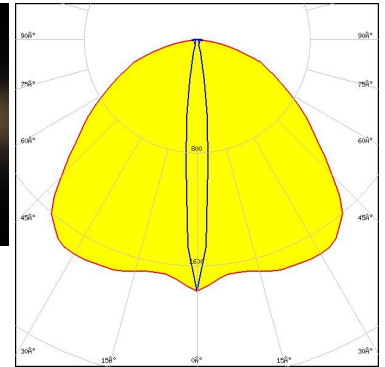


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

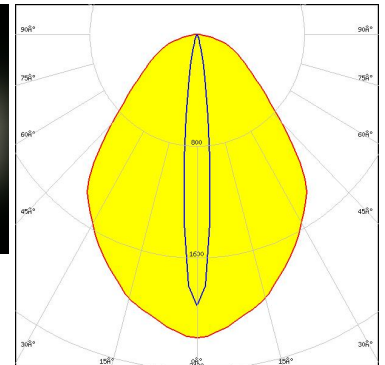
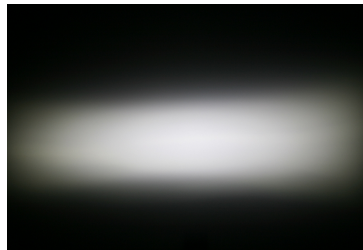
LED OSLON SSL 150
FWHM / FWTM 9.0 + 117.0°
Efficiency 93 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

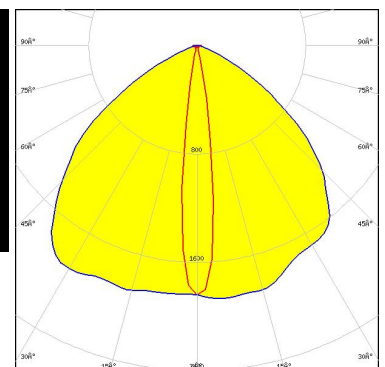
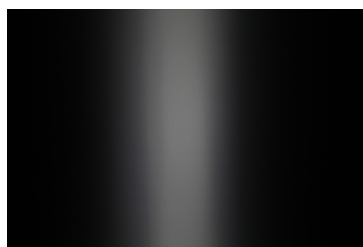
LED OSLON SSL 80
FWHM / FWTM 9.0 + 88.0°
Efficiency 94 %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files


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/type White
Required components:



Light distribution files


OPTICAL RESULTS (MEASURED):


SEUL SEMICONDUCTOR

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

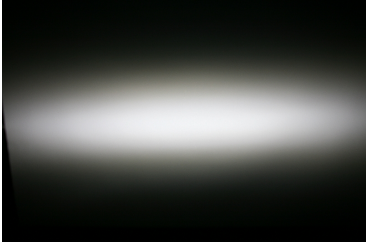
Required components:

Light distribution files



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

Required components:

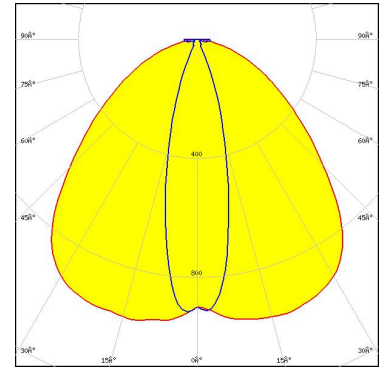


Light distribution files

OPTICAL RESULTS (SIMULATED):



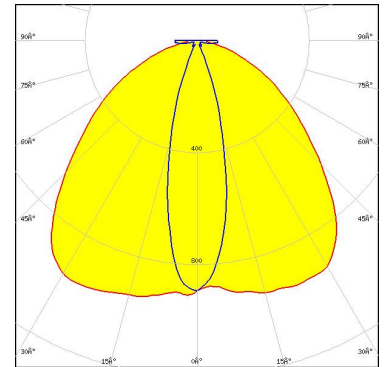
LED MHB-A/B
FWHM / FWTM 26.0 + 100.0° / 48.0 + 150.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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/type White
Required components:



Light distribution files



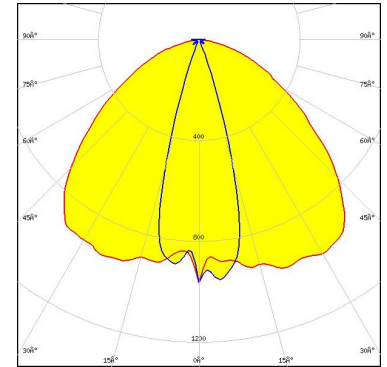
LED XP-E2
FWHM / FWTM 18.0 + 108.0° / 32.0 + 155.0°
Efficiency 94 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):



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/type White
 Required components:



Light distribution files

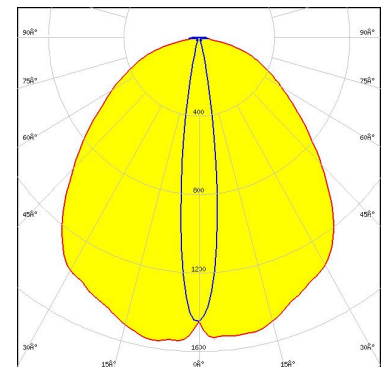


LED XP-G2 HE
 FWHM / FWTM 16.0 + 99.0° / 29.0 + 150.0°
 Efficiency 95 %
 Peak intensity 15.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



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/type White
 Required components:

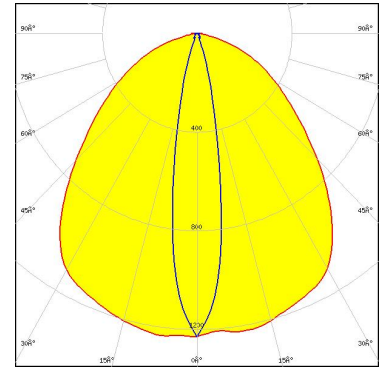


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

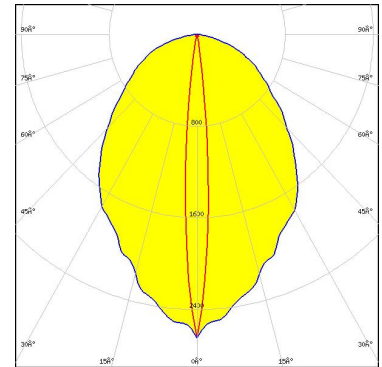
LED Duris S8
FWHM / FWTM 19.0 + 97.0° / 37.0 + 148.0°
Efficiency 94 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

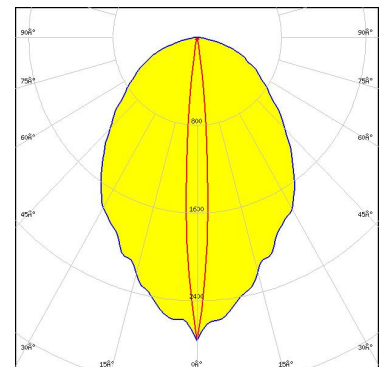
LED OSLO Signal
FWHM / FWTM 9.0 + 82.0° / 18.0 + 150.0°
Efficiency 97 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

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/type White
Required components:

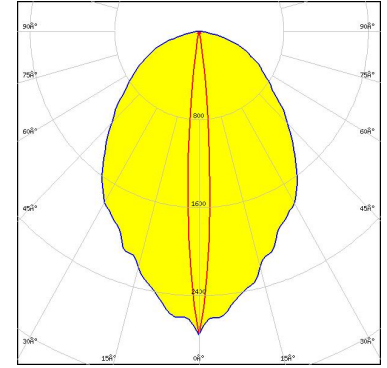


Light distribution files

OPTICAL RESULTS (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/type	White
Required components:	



Light distribution files

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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