FLARE-MAXI

34 x 33 mm lens with ~100° x 15° oval beam

TECHNICAL SPECIFICATIONS:

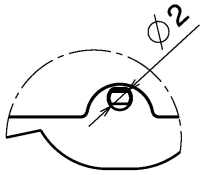
Dimensions	33.9 x 33.3 mm
Height	16.7 mm
Fastening	glue, pin
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

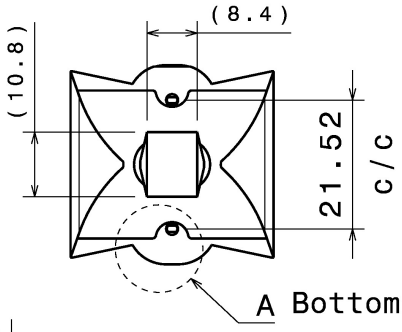
Component	Type	Material	Colour	Finish
FLARE-MAXI	Single lens	PMMA	clear	

ORDERING INFORMATION:

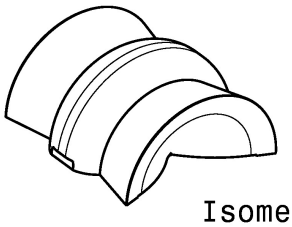
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12868_FLARE-MAXI	840	168	168	9.5
» Box size:				



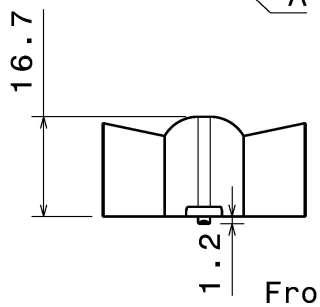
Detail A
Scale: 2:1



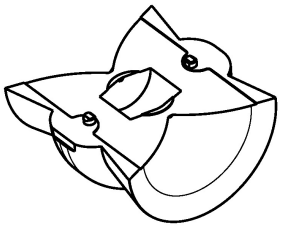
Bottom view



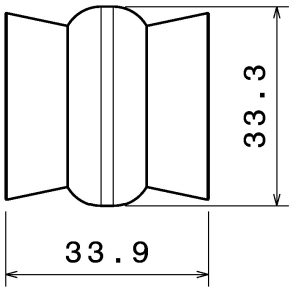
Isometric view



Front view



Isometric view 2



Top view

Material: PMMA

Tolerances for dimensions:
0-20mm tolerance value +-0.1mm
21-45mm tolerance value +-0.2mm
46-90mm tolerance value +-0.3mm
91-100mm tolerance value +-0.4mm
101-mm tolerance value +-0.5mm

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

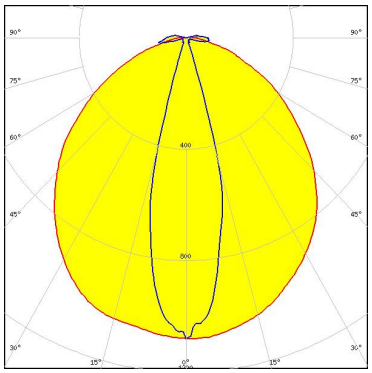
DRAWN BY: pv	DATE: 18.4.2012	DRAWING TITLE: Datasheet FLARE-MAXI Lens			
CHECKED BY: sn	DATE: 17.4.2012	SIZE: A4	DRAWING NUMBER: C12868		REV: 1
DESIGNED BY: hh	DATE: 6.4.2012	SCALE: 1:1	WEIGHT(g):		SHEET: 1/1

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

PHOTOMETRIC DATA (MEASURED):

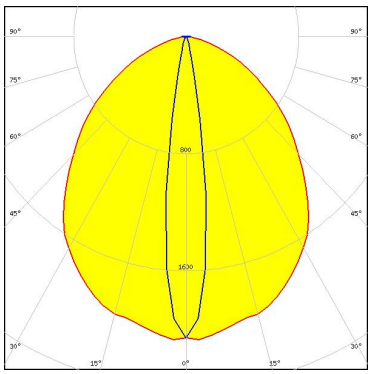
CREE

LED	XHP70.2
FWHM / FWTM	105.0 + 28.0° / 153.0 + 38.0°
Efficiency	94 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



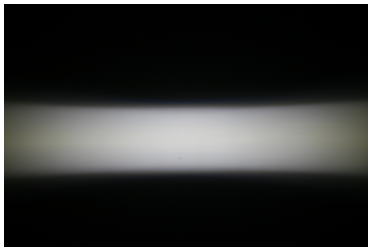
CREE

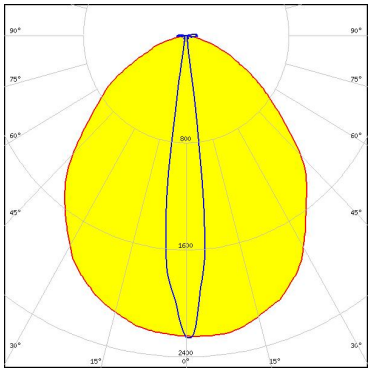
LED	XM-L
FWHM / FWTM	96.0 + 15.0° / 147.0 + 28.0°
Efficiency	94 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

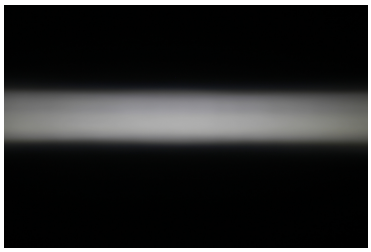
LED	XM-L2
FWHM / FWTM	95.0 + 14.0° / 145.0 + 18.0°
Efficiency	94 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

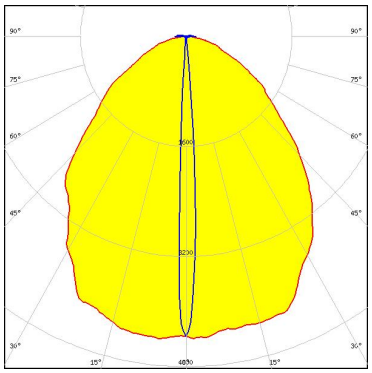




CREE

LED	XP-E
FWHM / FWTM	94.0 + 6.0° / 149.0 + 10.0°
Efficiency	94 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

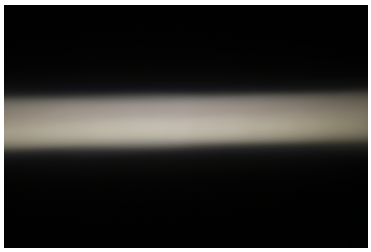


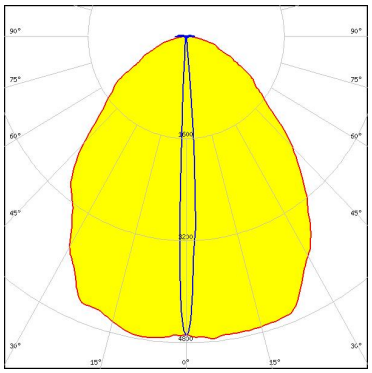


PHOTOMETRIC DATA (MEASURED):

CREE

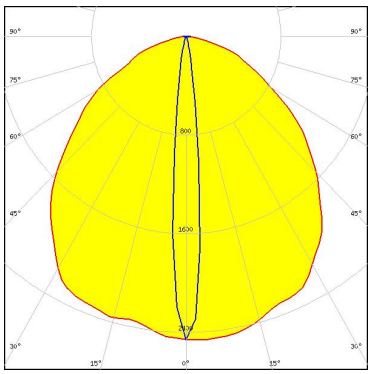
LED	XP-E2
FWHM / FWTM	91.0 + 6.0° / 146.0 + 10.0°
Efficiency	94 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





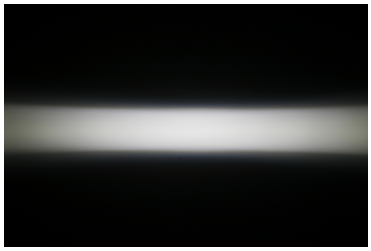
CREE

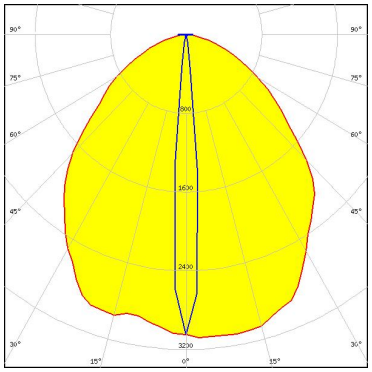
LED	XP-G
FWHM / FWTM	105.0 + 11.0° / 152.0 + 22.0°
Efficiency	94 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

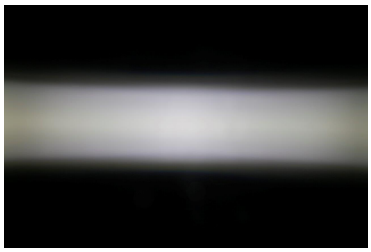
LED	XP-G2
FWHM / FWTM	96.0 + 10.0° / 147.0 + 15.0°
Efficiency	94 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

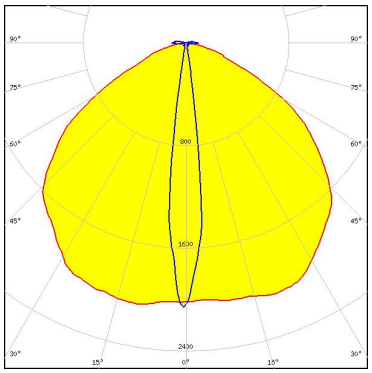




CREE

LED	XP-L HD
FWHM / FWTM	115.0 + 13.0° / 149.0 + 19.0°
Efficiency	94 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

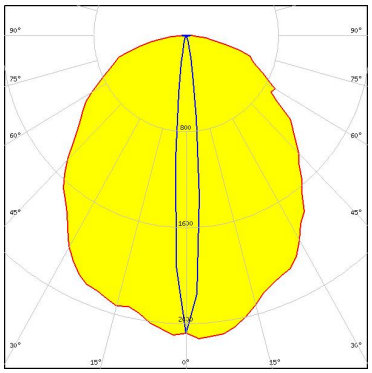




PHOTOMETRIC DATA (MEASURED):

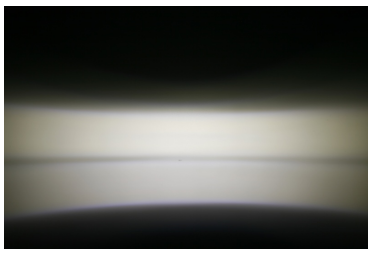
CREE

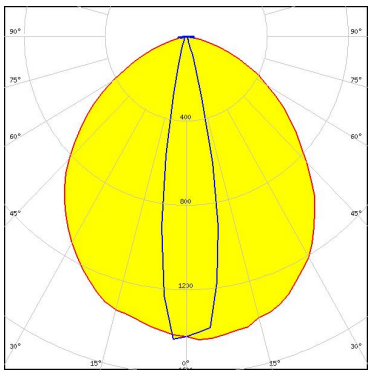
LED	XT-E
FWHM / FWTM	96.0 + 10.0° / 160.0 + 23.0°
Efficiency	94 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

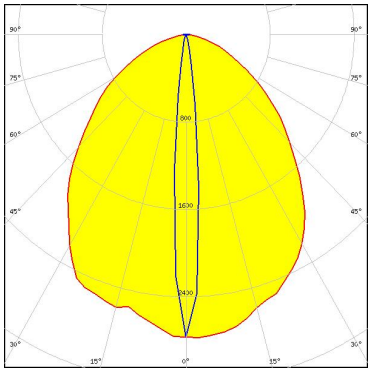
LED	LUXEON M/MX
FWHM / FWTM	100.0 + 23.0° / 147.0 + 36.0°
Efficiency	94 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





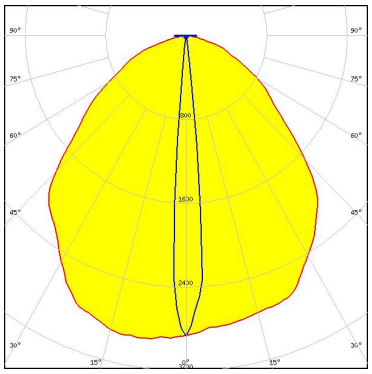
LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	91.0 + 10.0° / 144.0 + 20.0°
Efficiency	94 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

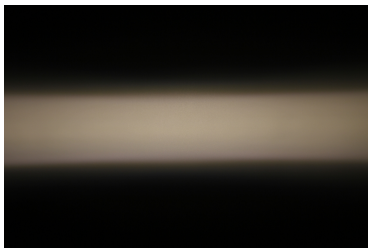
LED	LUXEON T
FWHM / FWTM	96.0 + 10.0° / 147.0 + 115.0°
Efficiency	92 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

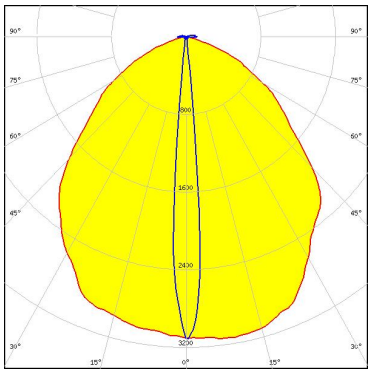


PHOTOMETRIC DATA (MEASURED):

LUMILEDS

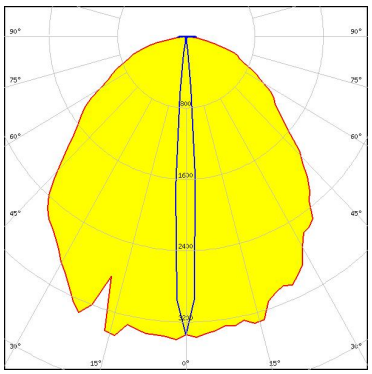
LED	LUXEON TX
FWHM / FWTM	96.0 + 9.0° / 141.0 + 14.0°
Efficiency	94 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





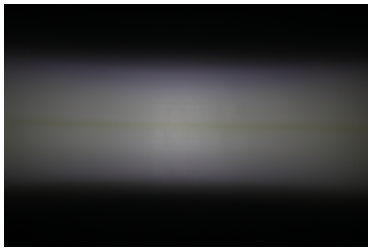
NICHIA

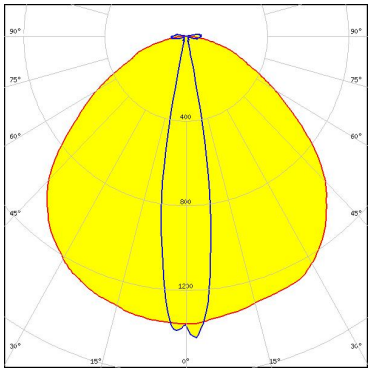
LED	NCSxx19B
FWHM / FWTM	98.0 + 9.0° / 155.0 + 15.0°
Efficiency	94 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

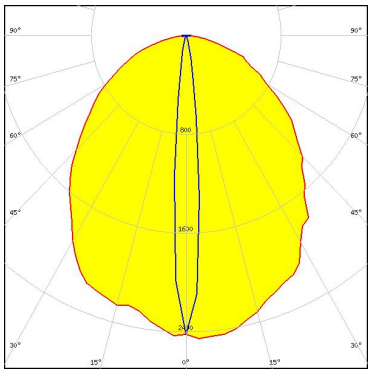
LED	NV4x144A
FWHM / FWTM	108.0 + 19.0° / 157.0 + 27.0°
Efficiency	94 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





NICHIA

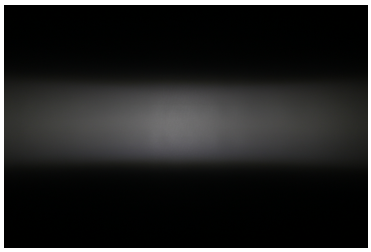
LED	NVSxx19B/NVSxx19C
FWHM / FWTM	98.0 + 11.0° / 153.0 + 23.0°
Efficiency	94 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

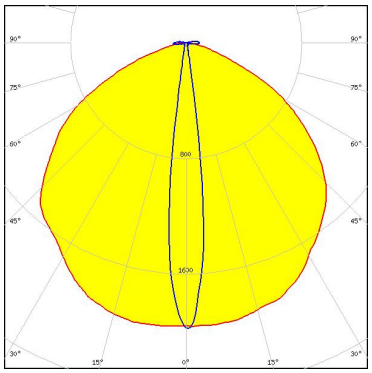


PHOTOMETRIC DATA (MEASURED):

NICHIA

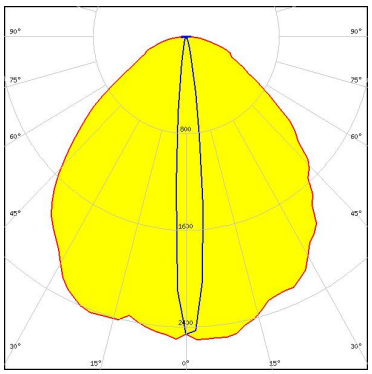
LED	NWSx229A
FWHM / FWTM	122.0 + 13.0° / 147.0 + 20.0°
Efficiency	94 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





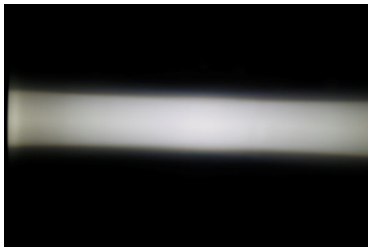
OSRAM
Opto Semiconductors

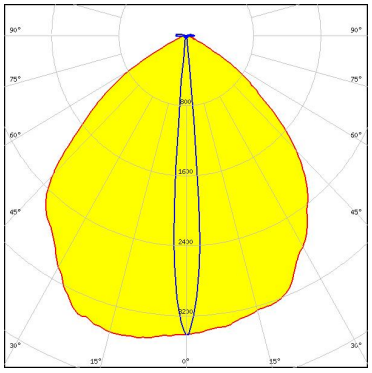
LED	OSLON Square PC
FWHM / FWTM	98.0 + 13.0° / 153.0 + 25.0°
Efficiency	94 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LH351Z
FWHM / FWTM	95.0 + 9.0° / 125.0 + 13.0°
Efficiency	94 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

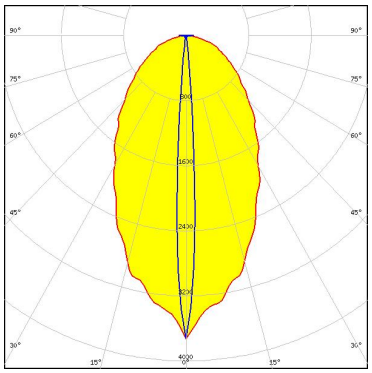




PHOTOMETRIC DATA (SIMULATED):

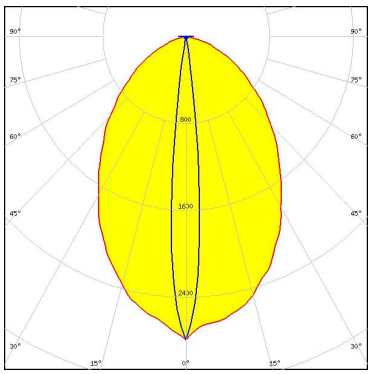
CREE

LED	XD16
FWHM / FWTM	60.0 + 7.0° / 143.0 + 13.0°
Efficiency	94 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



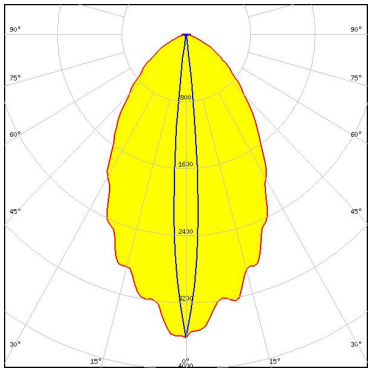
CREE

LED	XP-G2 HE
FWHM / FWTM	75.0 + 11.0° / 137.0 + 18.0°
Efficiency	95 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



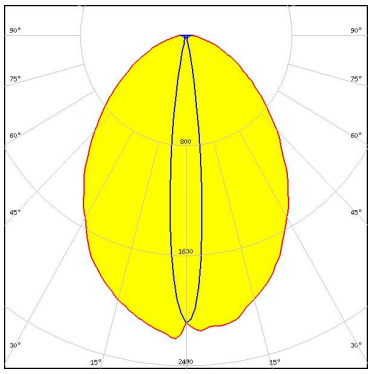
LUMILEDS

LED	LUXEON H50-2
FWHM / FWTM	9.5 + 64.0° / 15.0 + 122.0°
Efficiency	92 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

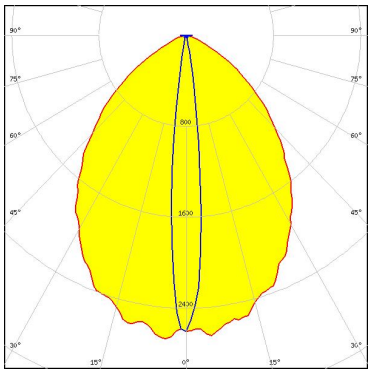
LED	LUXEON V
FWHM / FWTM	12.0 + 79.0° / 23.0 + 143.0°
Efficiency	93 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

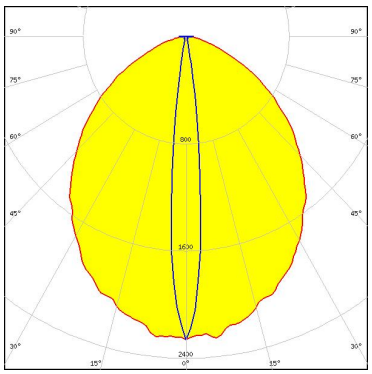
NICHIA

LED	NVSW219D
FWHM / FWTM	85.0 + 12.0° / 127.0 + 21.0°
Efficiency	94 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



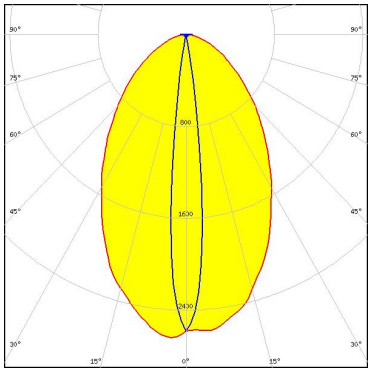
NICHIA

LED	NVSW3x9A
FWHM / FWTM	95.0 + 12.0° / 144.0 + 22.0°
Efficiency	94 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



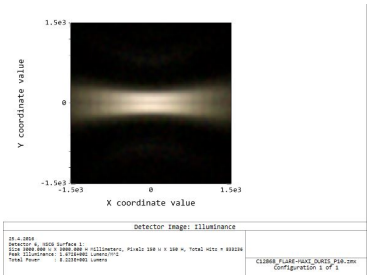
OSRAM
Opto Semiconductors

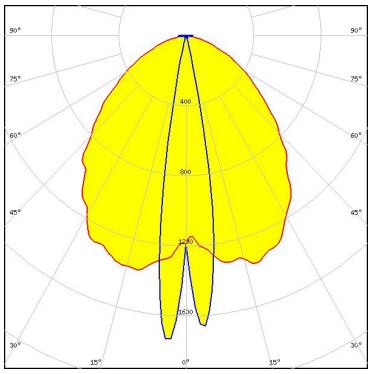
LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	69.0 + 12.0° / 133.0 + 20.0°
Efficiency	95 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	84.0 + 18.0° / 140.0 + 23.0°
Efficiency	93 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

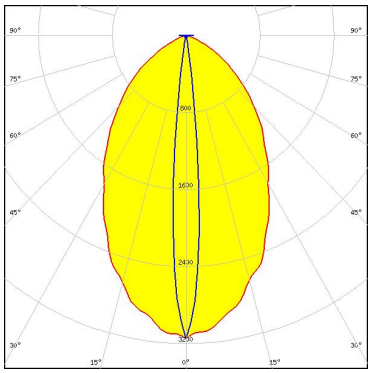




PHOTOMETRIC DATA (SIMULATED):

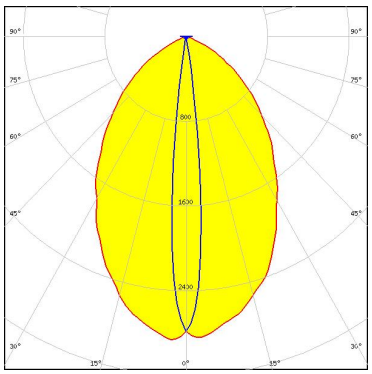
SAMSUNG

LED	LH351B
FWHM / FWTM	68.0 + 10.0° / 126.0 + 17.0°
Efficiency	94 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LH351C
FWHM / FWTM	74.0 + 11.0° / 126.0 + 20.0°
Efficiency	94 %
Peak intensity	2.9 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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