G2-LXP2-O-90-P

~10° x 40° oval beam optimized for CREE XP-E. 14.7 mm high assembly with installation tape. Variant with beam direction rotated 90°. Variant with thin holder with pins.

SPECIFICATION:

Dimensions	Ø 21.8 mm
Height	14.7 mm
Fastening	tape, pin
ROHS compliant	yes

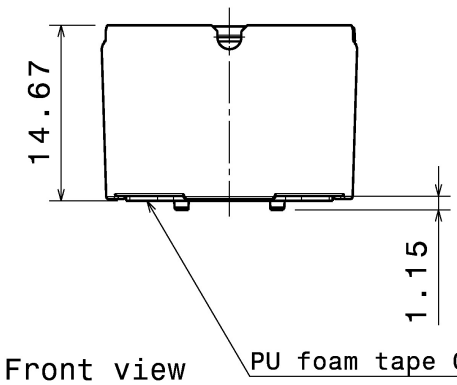
MATERIALS:

Component	Type	Material	Colour	Finish
LXP2-O-90	Single lens	PMMA	clear	
LXP2-LT-HLD	Holder	PC	black	
HEIDI-TAPE	Tape	Acrylic foam	black	

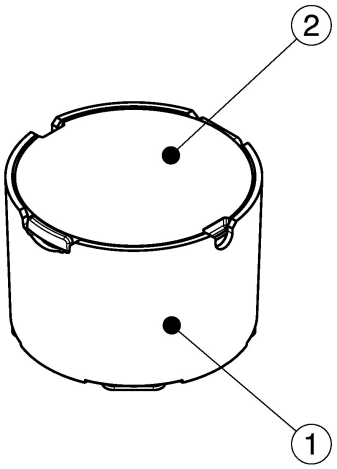
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA14511_G2-LXP2-O-90-P	Single lens	1680	336	112	0.0
» Box size:					

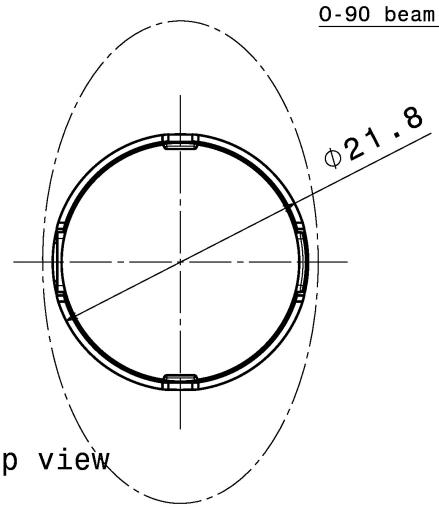
Applies to:
CA14503
CA14505
CA14507
CA14509
CA14511



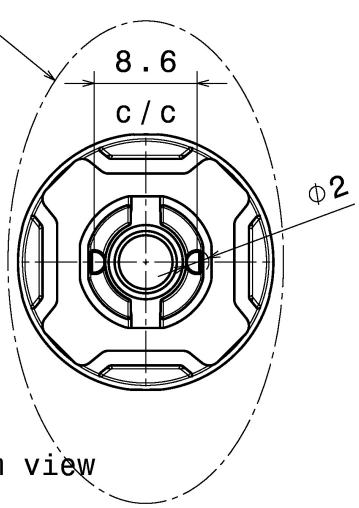
Front view



Isometric view



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14443	LXP2-LT-HLD	PC	black
2	-	LXP2-series_mech lens	PMMA	clear

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
LEILA-G2-LXP2-PIN

SIZE A4 | PART NUMBER -

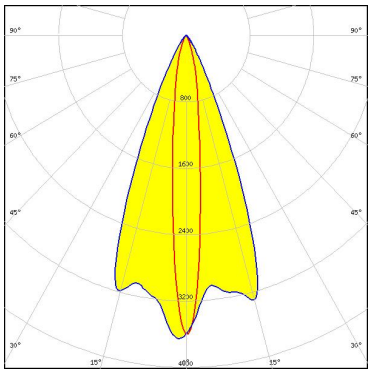
SCALE 2:1 | WEIGHT 4,0 g | SHEET 1/1

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

OPTICAL RESULTS (MEASURED):

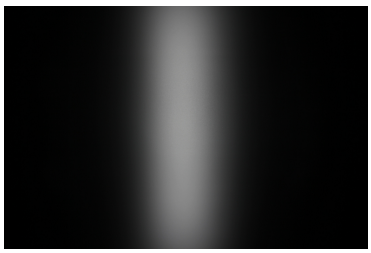
CREE LEDs

LED	XD16
FWHM / FWTM	11.0 + 43.0° / 34.0 + 61.0°
Efficiency	78 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



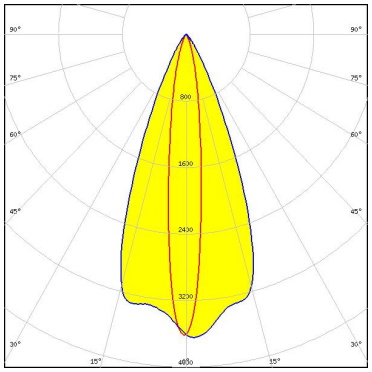
CREE LEDs

LED	XP-E
FWHM / FWTM	9.0 + 41.0° / 20.0 + 60.0°
Efficiency	89 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



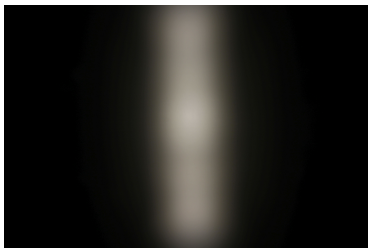
CREE LEDs

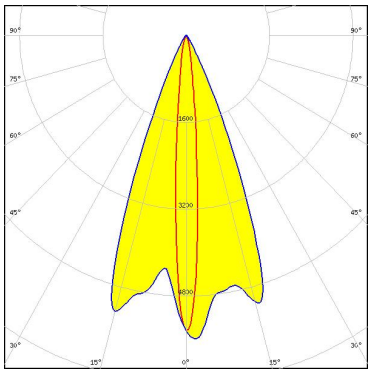
LED	XP-G3
FWHM / FWTM	13.0 + 43.0° / 34.0 + 64.0°
Efficiency	84 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

LED	XQ-E HD
FWHM / FWTM	9.0 + 43.0° / 21.0 + 57.0°
Efficiency	85 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

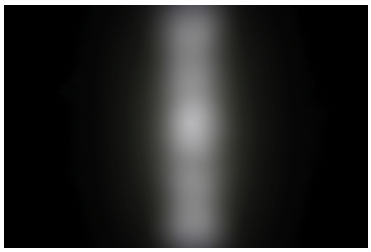


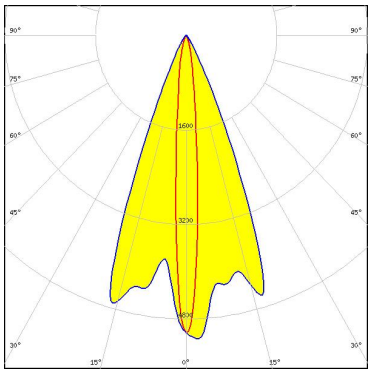


OPTICAL RESULTS (MEASURED):

CREE LEDs

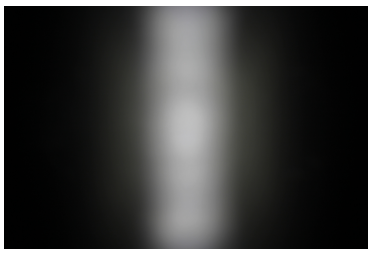
LED	XQ-E HI
FWHM / FWTM	9.0 + 43.0° / 24.0 + 57.0°
Efficiency	82 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

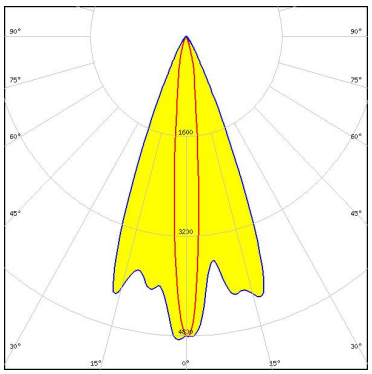




LUMILEDS

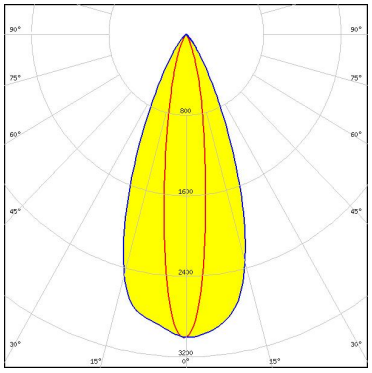
LED	LUXEON CZ
FWHM / FWTM	10.0 + 43.0° / 28.0 + 58.0°
Efficiency	86 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





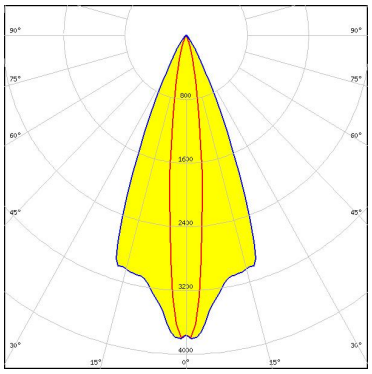
LUMILEDS

LED	LUXEON V
FWHM / FWTM	16.0 + 43.0° / 39.0 + 68.0°
Efficiency	85 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

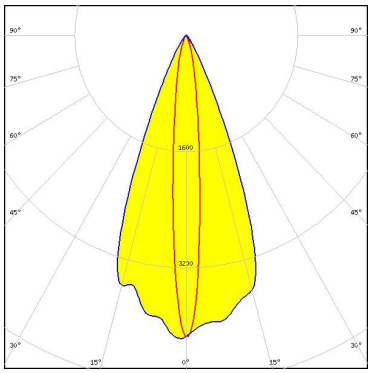
LED	LUXEON Z ES
FWHM / FWTM	13.0 + 44.0° / 31.0 + 61.0°
Efficiency	82 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (MEASURED):

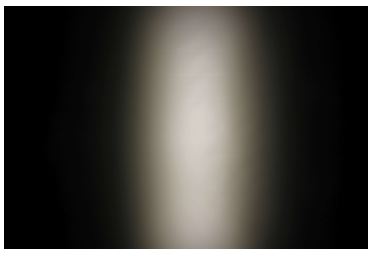
NICHIA

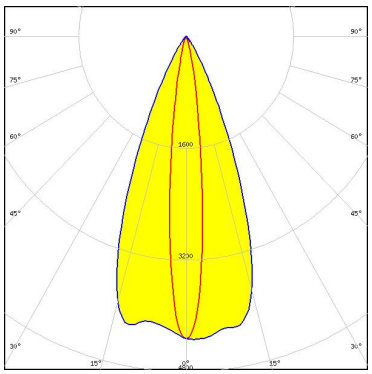
LED	NCSxx19A
FWHM / FWTM	11.0 + 43.0° / 30.0 + 61.0°
Efficiency	84 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

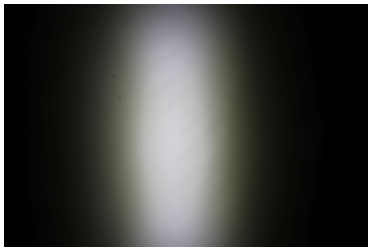
LED	NVSW219F
FWHM / FWTM	13.0 + 43.0° / 26.0 + 63.0°
Efficiency	89 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

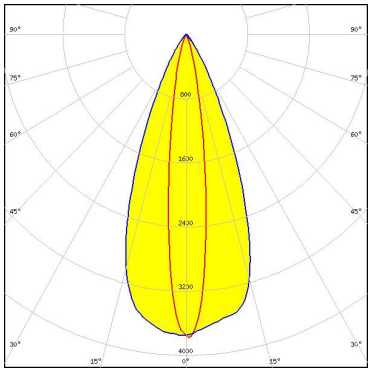




NICHIA

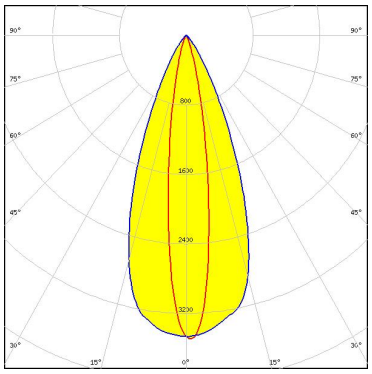
LED	NVSW319B
FWHM / FWTM	15.0 + 43.0° / 31.0 + 66.0°
Efficiency	88 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





NICHIA

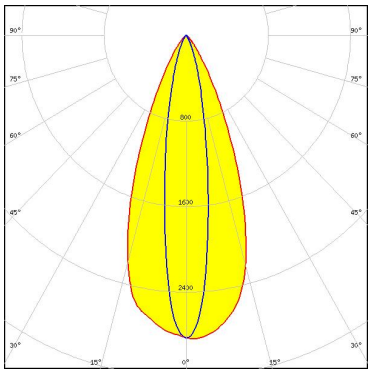
LED	NVSW519A
FWHM / FWTM	16.0 + 43.0° / 33.0 + 67.0°
Efficiency	87 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (MEASURED):

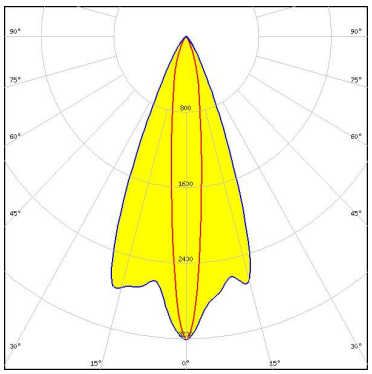
NICHIA

LED	NWSx229A
FWHM / FWTM	17.0 + 42.0° / 41.0 + 69.0°
Efficiency	83 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



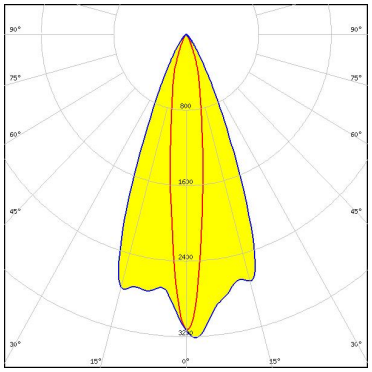
SAMSUNG

LED	LH181A
FWHM / FWTM	12.0 + 43.0° / 40.0 + 63.0°
Efficiency	78 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



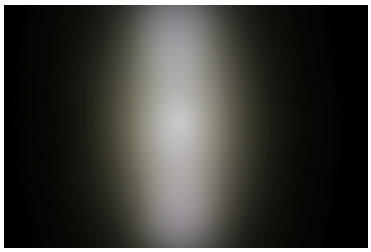
SAMSUNG

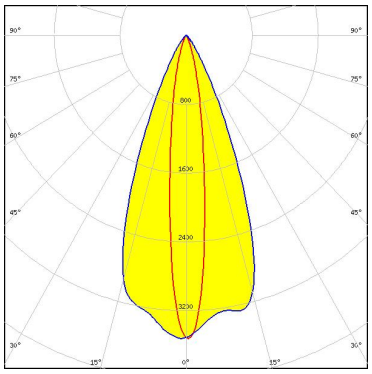
LED	LH181B
FWHM / FWTM	13.0 + 43.0° / 41.0 + 64.0°
Efficiency	81 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	14.0 + 43.0° / 34.0 + 65.0°
Efficiency	85 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



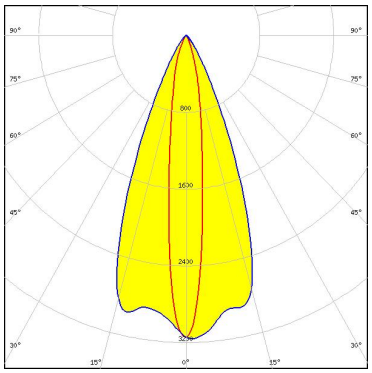


OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	13.0 + 43.0° / 38.0 + 65.0°
Efficiency	79 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White

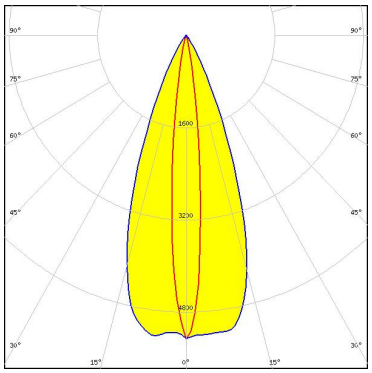
Required components:



OPTICAL RESULTS (SIMULATED):

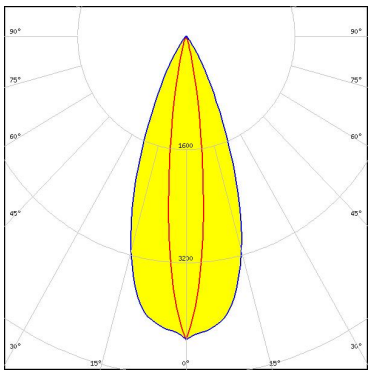
CREE LEDs

LED	XP-G2
FWHM / FWTM	11.0 + 41.0° / 23.0 + 61.0°
Efficiency	91 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



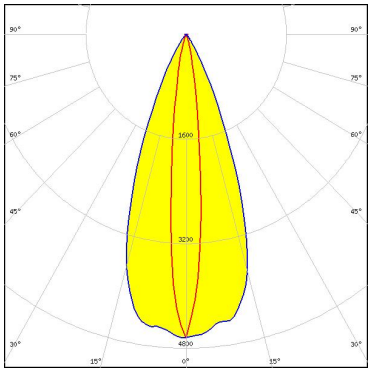
CREE LEDs

LED	XP-G2 HE
FWHM / FWTM	14.0 + 40.0° / 28.0 + 64.0°
Efficiency	89 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



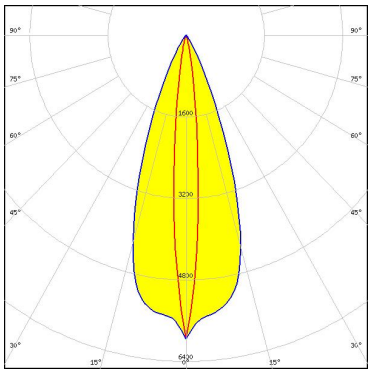
CREE LEDs

LED	XT-E
FWHM / FWTM	12.0 + 41.0° / 26.0 + 62.0°
Efficiency	88 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

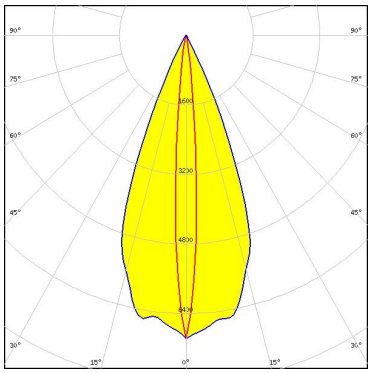
LED	LUXEON C
FWHM / FWTM	10.0 + 37.0° / 20.0 + 59.0°
Efficiency	95 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

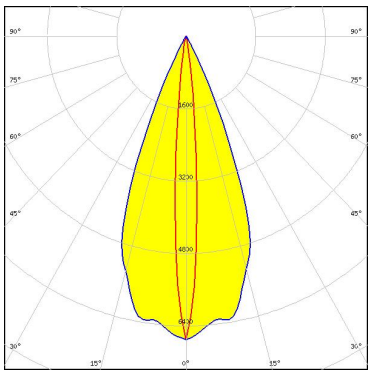
LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	8.0 + 42.0° / 16.0 + 56.0°
Efficiency	92 %
Peak intensity	7 cd/lm
LEDs/each optic	1
Light colour	Red
Required components:	



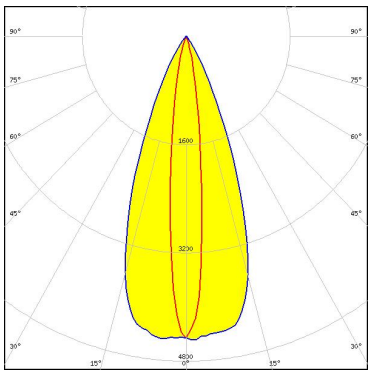
LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	8.0 + 42.0° / 18.0 + 56.0°
Efficiency	92 %
Peak intensity	6.7 cd/lm
LEDs/each optic	1
Light colour	PC Amber
Required components:	



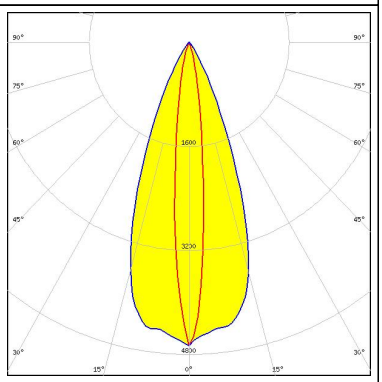
LUMILEDS

LED	LUXEON T
FWHM / FWTM	12.0 + 41.0° / 27.0 + 63.0°
Efficiency	90 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

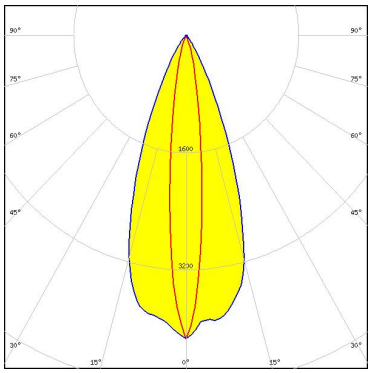
LED	LUXEON TX
FWHM / FWTM	11.0 + 40.0° / 27.0 + 62.0°
Efficiency	89 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

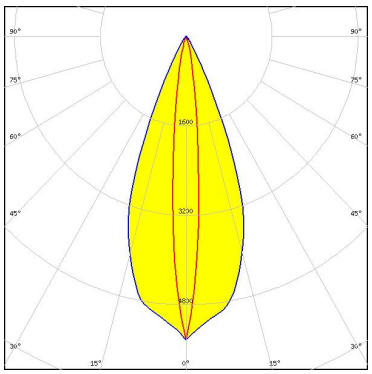
NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	13.0 + 40.0° / 30.0 + 63.0°
Efficiency	86 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



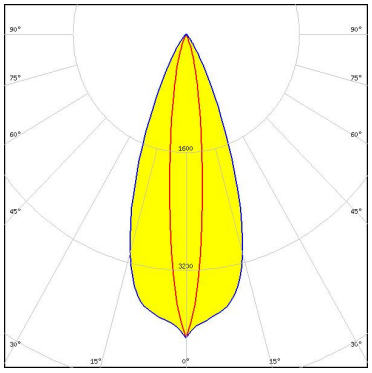
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	10.0 + 42.0° / 24.0 + 58.0°
Efficiency	92 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



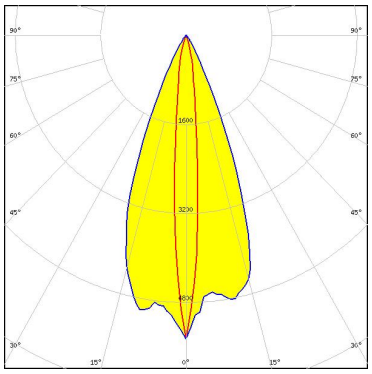
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 Flat
FWHM / FWTM	12.0 + 40.0° / 34.0 + 63.0°
Efficiency	90 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

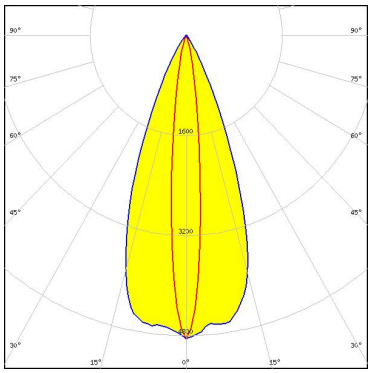
LED	OSLON Black Flat (LUW HWQP)
FWHM / FWTM	9.0 + 42.0° / 26.0 + 59.0°
Efficiency	89 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

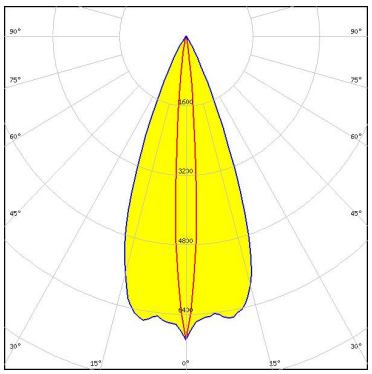
OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	11.0 + 41.0° / 26.0 + 62.0°
Efficiency	90 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	8.0 + 41.0° / 16.0 + 58.0°
Efficiency	90 %
Peak intensity	7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

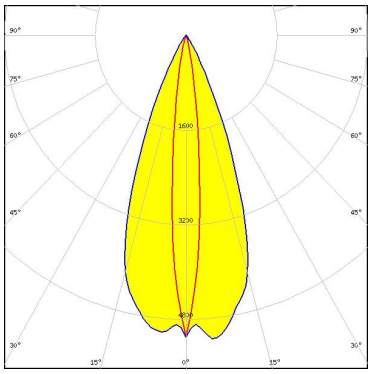


OSRAM Opto Semiconductors

LED	SFH 4770S
FWHM / FWTM	12.0 + 41.0° / 35.0 + 60.0°
Efficiency	82 %
LEDs/each optic	1
Light colour	White
Required components:	

SAMSUNG

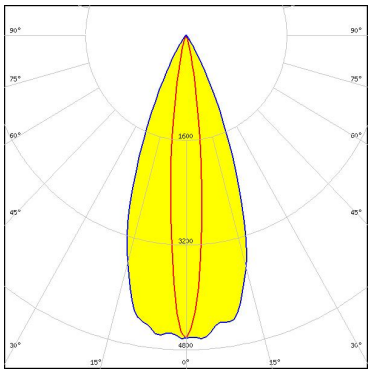
LED	LH351A
FWHM / FWTM	11.0 + 41.0° / 22.0 + 60.0°
Efficiency	89 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

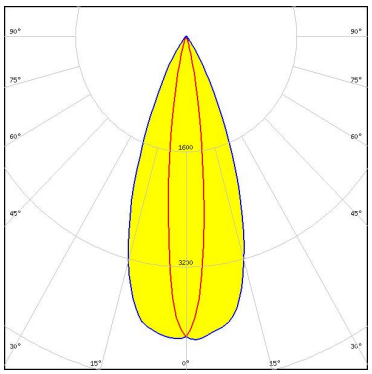
SAMSUNG

LED	LH351B
FWHM / FWTM	12.0 + 41.0° / 25.0 + 61.0°
Efficiency	89 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



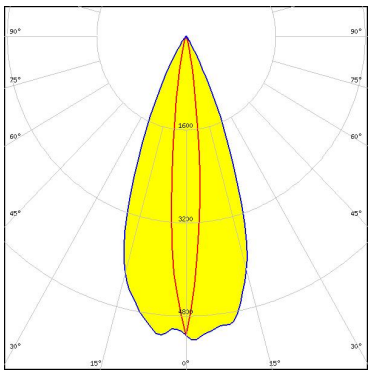
SAMSUNG

LED	LH351C
FWHM / FWTM	14.0 + 41.0° / 28.0 + 64.0°
Efficiency	89 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



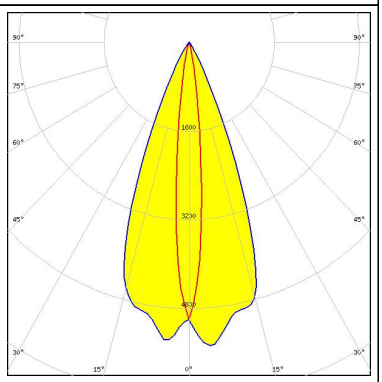
SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	11.0 + 41.0° / 23.0 + 59.0°
Efficiency	91 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z5P
FWHM / FWTM	9.0 + 42.0° / 22.0 + 58.0°
Efficiency	90 %
Peak intensity	5.5 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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