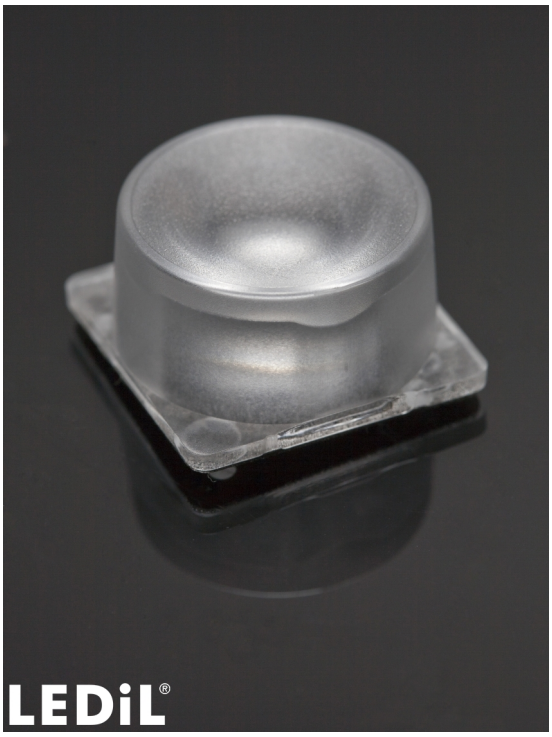
VERONICA-SQ-W

~50° wide beam



TECHNICAL SPECIFICATIONS:

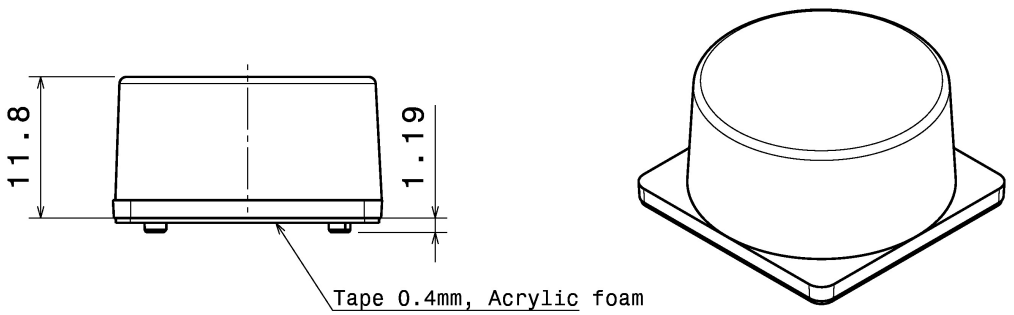
Dimensions	22.5 x 22.5 mm
Height	11.8 mm
Fastening	tape
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
VERONICA-SQ-W	Single lens	PMMA	clear	
VERONICA-TAPE	Tape	Acrylic foam	clear	

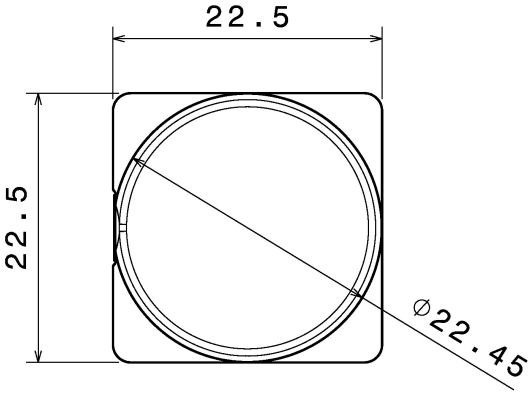
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA14442_VERONICA-SQ-W » Box size: 476 x 273 x 197 mm	Single lens	1980	360	180	8.8

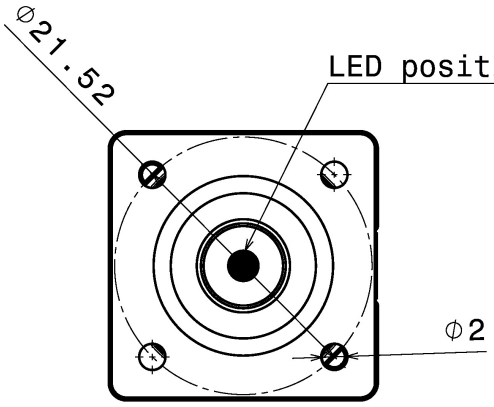


Front view

Isometric view



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14447	VERONICA-SQ-W	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
CA14442_VERONICA-SQ-W

SIZE A4

PART NUMBER
CA14442

SCALE 2:1 WEIGHT 3,90 g SHEET 1/1

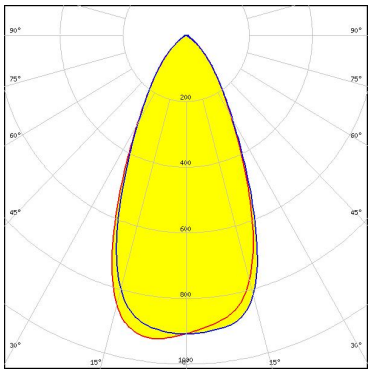
See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XB-H
FWHM / FWTM	50.0° / 90.0°
Efficiency	80 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



CREE LED

LED	XHP35 HD
FWHM / FWTM	52.0° / 92.0°
Efficiency	78 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

CREE LED

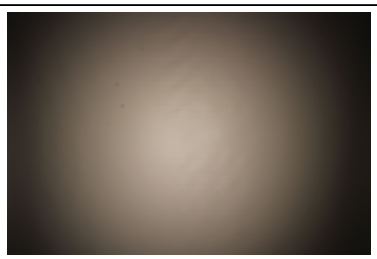
LED	XHP35 HI
FWHM / FWTM	49.0° / 86.0°
Efficiency	81 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

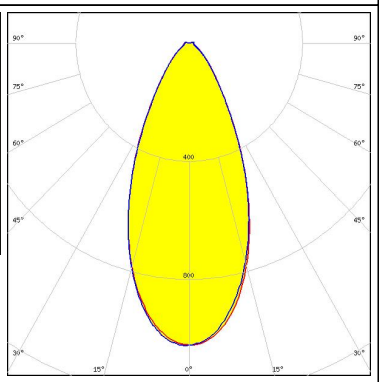
Required components:

CREE LED

LED	XHP50.2
FWHM / FWTM	47.0° / 89.0°
Efficiency	86 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



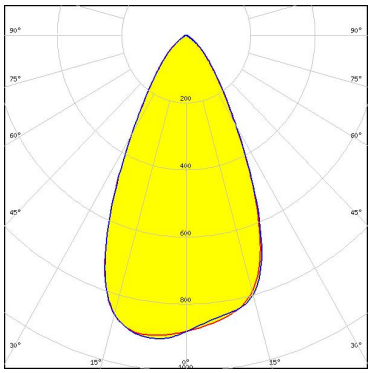


PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XM-L
FWHM / FWTM	53.0° / 90.0°
Efficiency	81 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

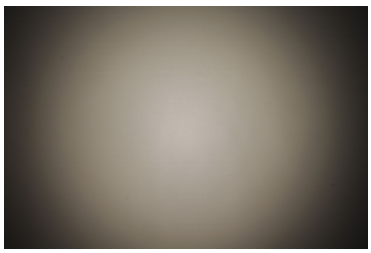
Required components:

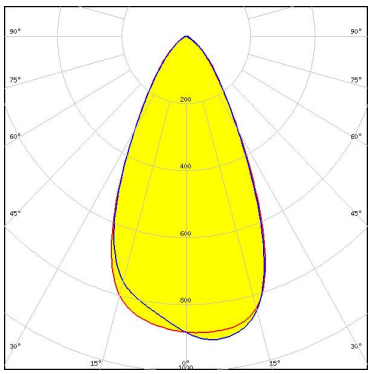


CREE LED

LED	XM-L2
FWHM / FWTM	53.0° / 91.0°
Efficiency	80 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

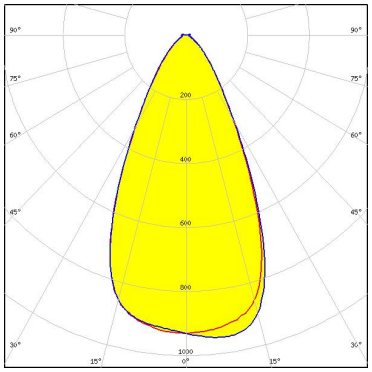




CREE LED

LED	XM-L3
FWHM / FWTM	52.0° / 90.0°
Efficiency	87 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

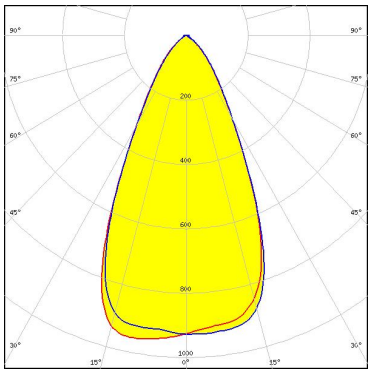
Required components:



CREE LED

LED	XP-E
FWHM / FWTM	51.0° / 88.0°
Efficiency	81 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

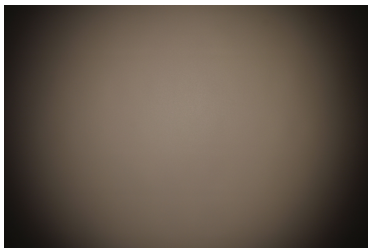
Required components:

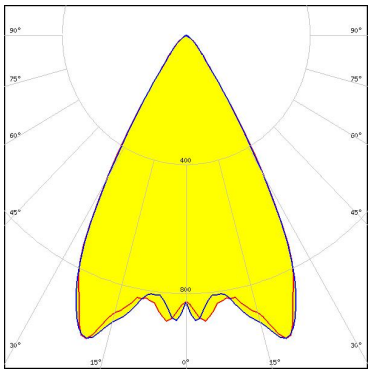


PHOTOMETRIC DATA (MEASURED):

CREE LED

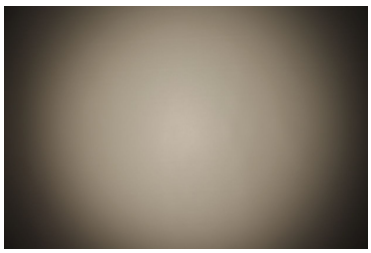
LED	XP-E2
FWHM / FWTM	52.0° / 94.0°
Efficiency	92 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

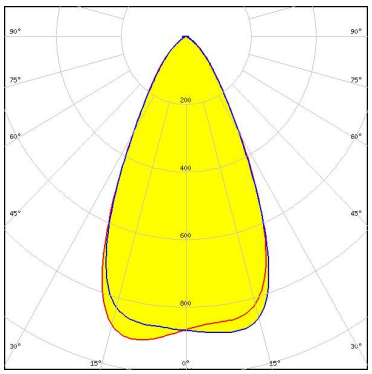




CREE LED

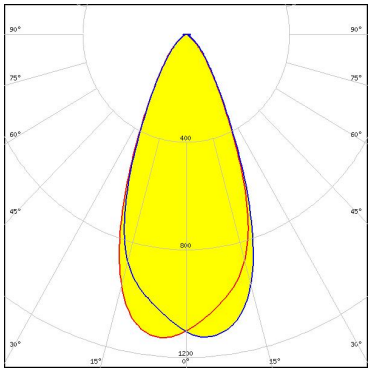
LED	XP-G
FWHM / FWTM	53.0° / 90.0°
Efficiency	81 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





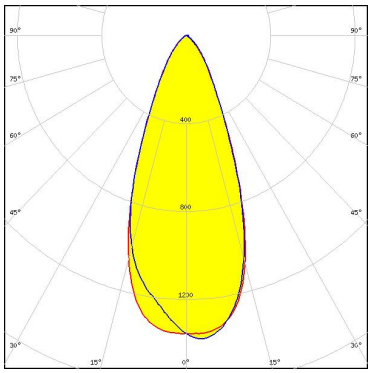
CREE LED

LED	XT-E
FWHM / FWTM	46.0° / 81.0°
Efficiency	80 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

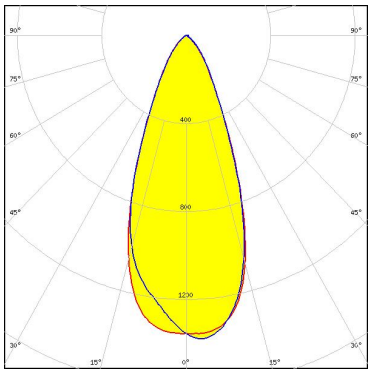
LED	LUXEON 3030 2D (Round LES)
FWHM / FWTM	42.0° / 76.0°
Efficiency	83 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

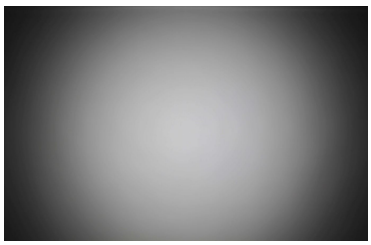
LUMILEDS

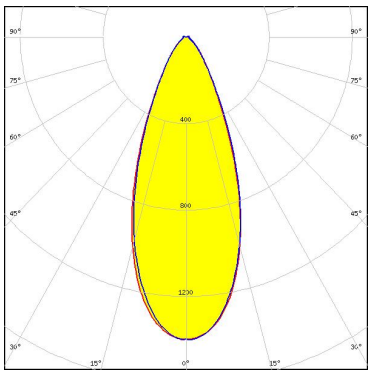
LED	LUXEON 3030 2D (Square LES)
FWHM / FWTM	42.0° / 76.0°
Efficiency	83 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

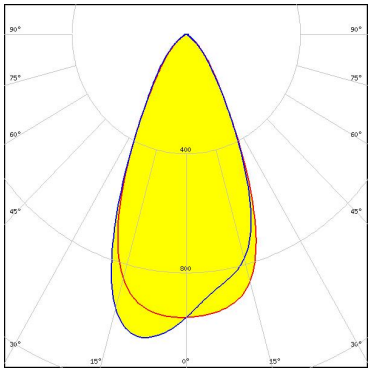
LED	LUXEON 5050 Round LES
FWHM / FWTM	41.0° / 77.0°
Efficiency	90 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





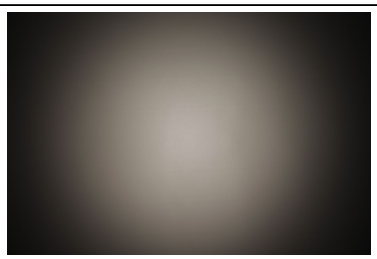
LUMILEDS

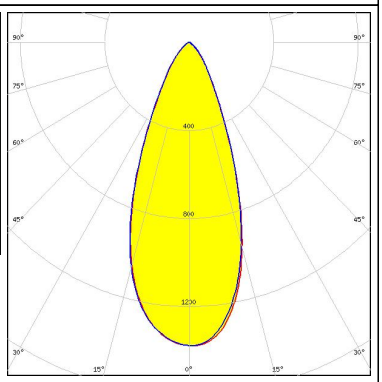
LED	LUXEON A
FWHM / FWTM	50.0° / 86.0°
Efficiency	79 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	41.0° / 75.0°
Efficiency	83 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

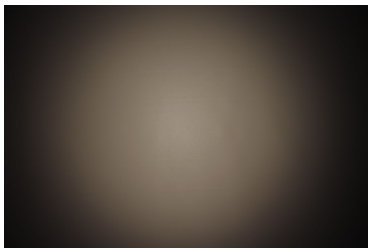


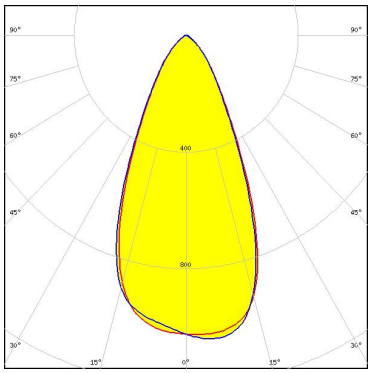


PHOTOMETRIC DATA (MEASURED):

LUMILEDS

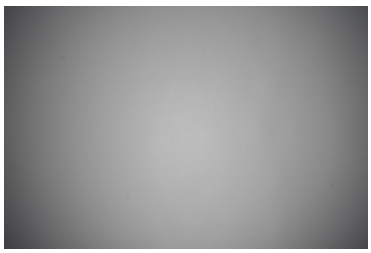
LED	LUXEON R
FWHM / FWTM	48.0° / 85.0°
Efficiency	80 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

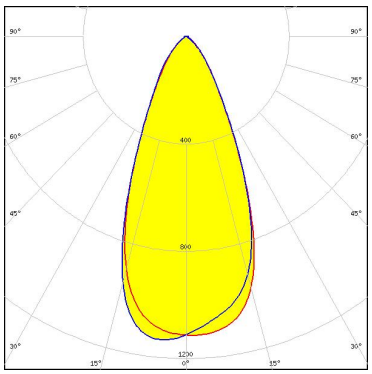




LUMILEDS

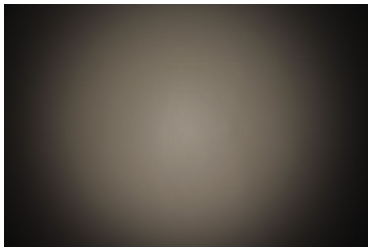
LED	LUXEON Rebel ES
FWHM / FWTM	46.0° / 82.0°
Efficiency	80 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

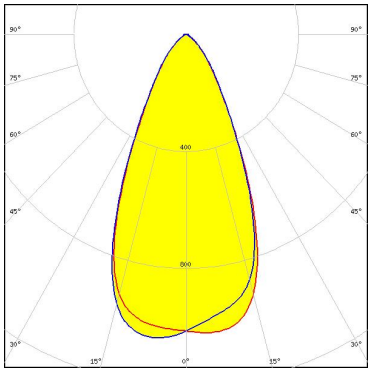




LUMILEDS

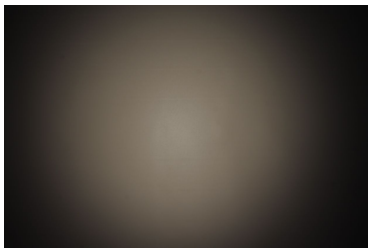
LED	LUXEON T
FWHM / FWTM	49.0° / 86.0°
Efficiency	82 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

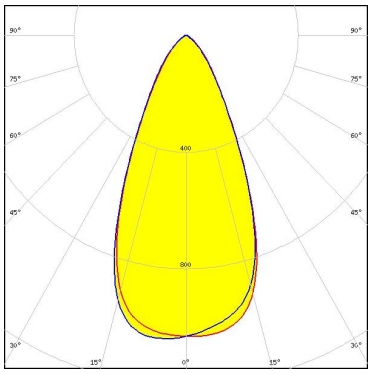




LUMILEDS

LED	LUXEON TX
FWHM / FWTM	48.0° / 85.0°
Efficiency	81 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

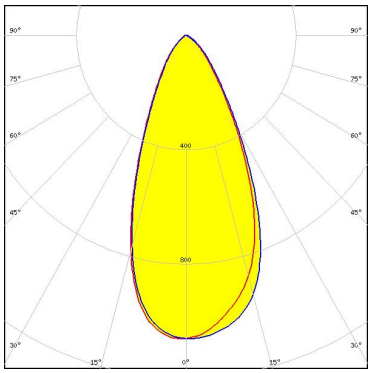




PHOTOMETRIC DATA (MEASURED):

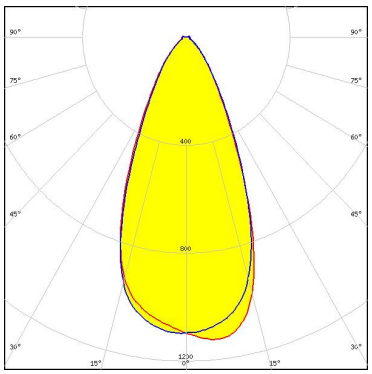
LUMILEDS

LED	LUXEON V
FWHM / FWTM	46.0° / 84.0°
Efficiency	79 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



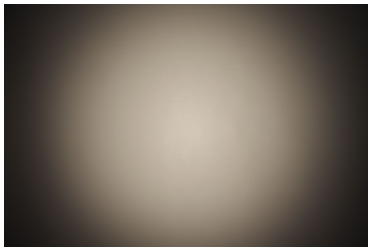
LUMILEDS

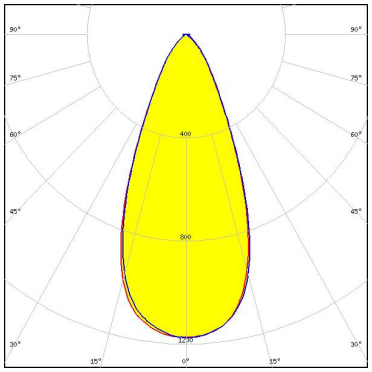
LED	LUXEON V2
FWHM / FWTM	47.0° / 85.0°
Efficiency	88 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

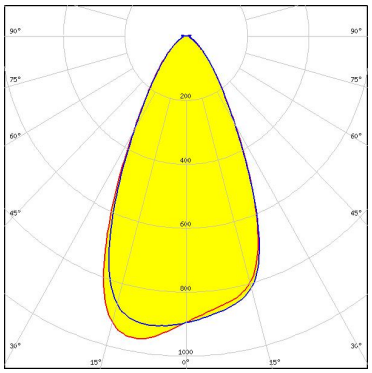
LED	NCSxx19B
FWHM / FWTM	45.0° / 80.0°
Efficiency	80 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





NICHIA

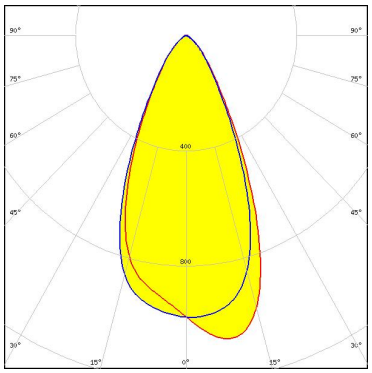
LED	NVSW219F
FWHM / FWTM	52.0° / 92.0°
Efficiency	88 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

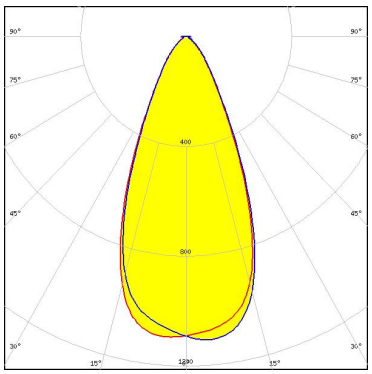
NICHIA

LED	NVSW3x9A
FWHM / FWTM	48.0° / 83.0°
Efficiency	78 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



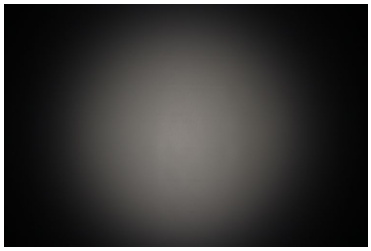
NICHIA

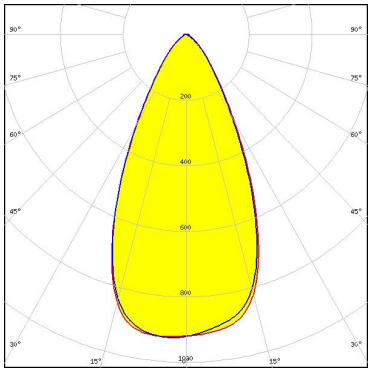
LED	NVSxx19B/NVSxx19C
FWHM / FWTM	46.0° / 81.0°
Efficiency	81 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

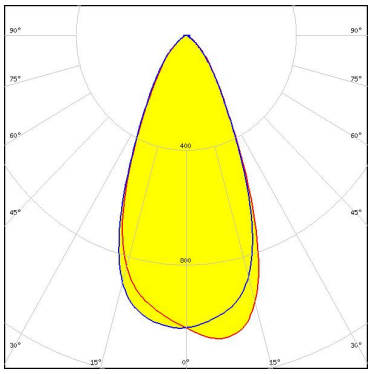
LED	NWSx229A
FWHM / FWTM	51.0° / 87.0°
Efficiency	78 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





OSRAM
Opto Semiconductors

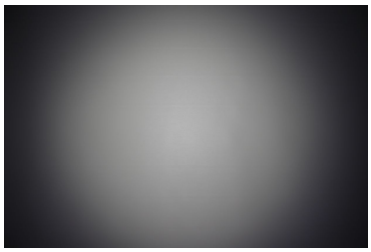
LED	OSLON Square EC
FWHM / FWTM	48.0° / 86.0°
Efficiency	80 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

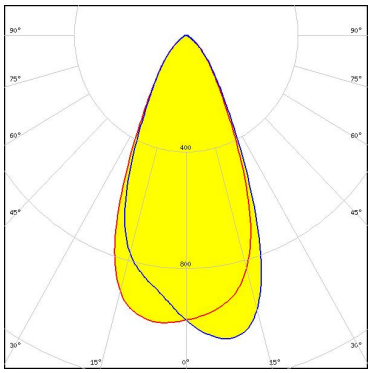


PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

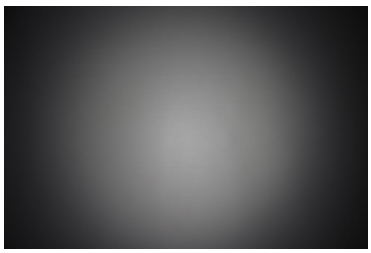
LED	OSLON Square PC
FWHM / FWTM	48.0° / 87.0°
Efficiency	79 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

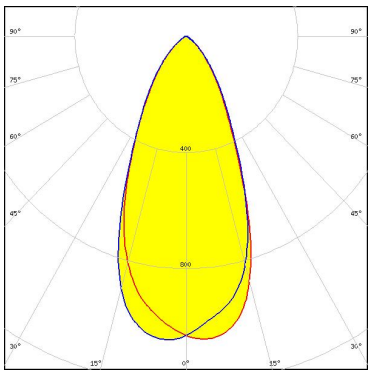




OSRAM
Opto Semiconductors

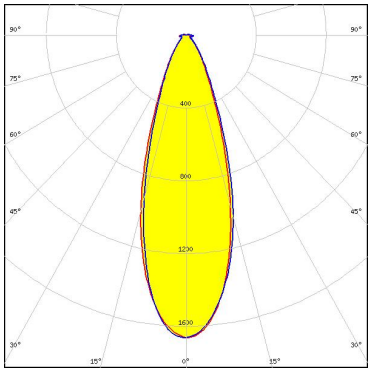
LED	OSLON SSL 80
FWHM / FWTM	46.0° / 88.0°
Efficiency	80 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





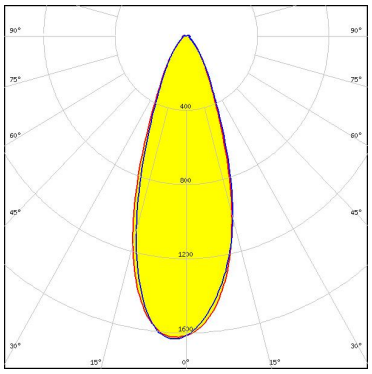
SAMSUNG

LED	LH181A
FWHM / FWTM	34.0° / 68.0°
Efficiency	87 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LH181B
FWHM / FWTM	37.0° / 71.0°
Efficiency	90 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

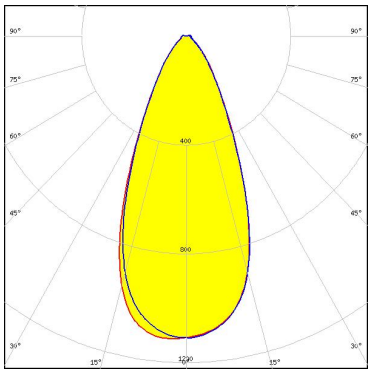


PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	46.0° / 85.0°
Efficiency	88 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

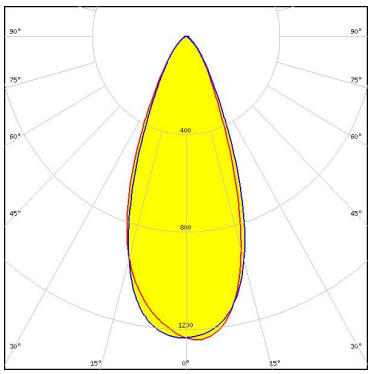
Required components:



SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	42.0° / 75.0°
Efficiency	78 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

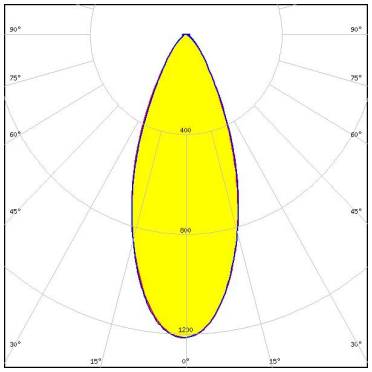
Required components:



SEOUL SEMICONDUCTOR

LED	Z8Y50P
FWHM / FWTM	42.0° / 77.0°
Efficiency	77 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

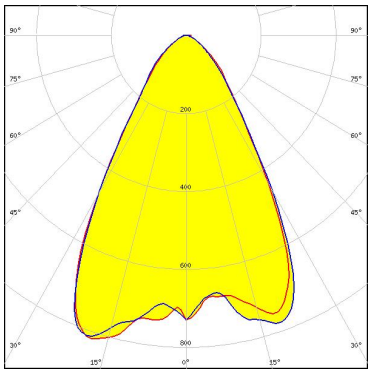
Required components:



PHOTOMETRIC DATA (SIMULATED):

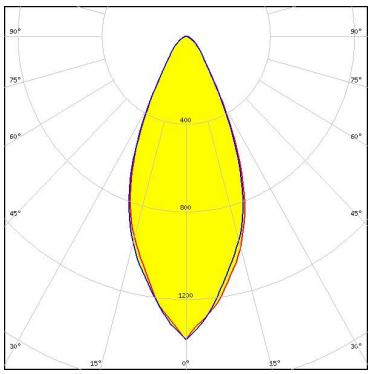
CREE LED

LED	XP-G2 HE
FWHM / FWTM	62.0° / 105.0°
Efficiency	97 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



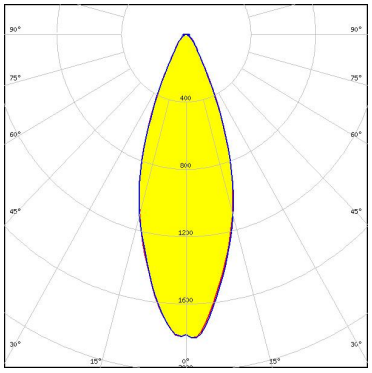
LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	45.0° / 78.0°
Efficiency	94 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



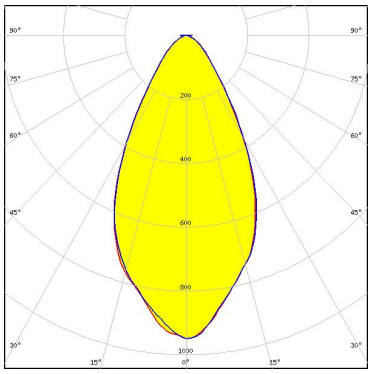
NICHIA

LED	NCSxE17A
FWHM / FWTM	36.0° / 64.0°
Efficiency	91 %
Peak intensity	1.8 cd/lm
LEDs/each optic	4
Light colour	White
Required components:	



NICHIA

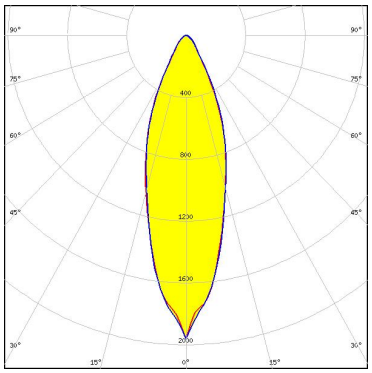
LED	NV4x144A
FWHM / FWTM	54.0° / 96.0°
Efficiency	89 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

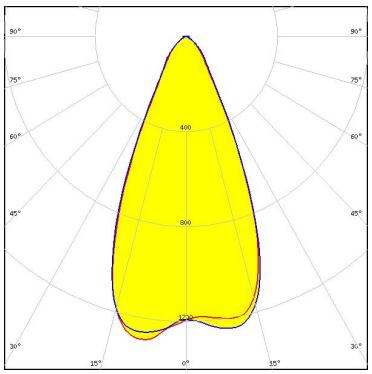
OSRAM
Opto Semiconductors

LED	OSCONIQ C 2424
FWHM / FWTM	32.0° / 67.0°
Efficiency	94 %
Peak intensity	2 cd/lm
LEDs/each optic	4
Light colour	White
Required components:	



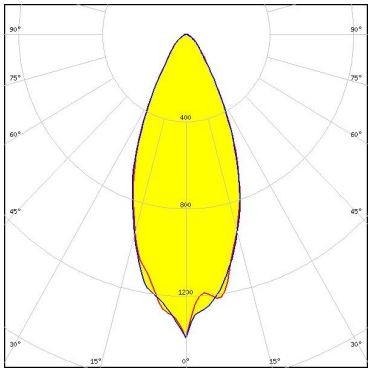
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	48.0° / 81.0°
Efficiency	95 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



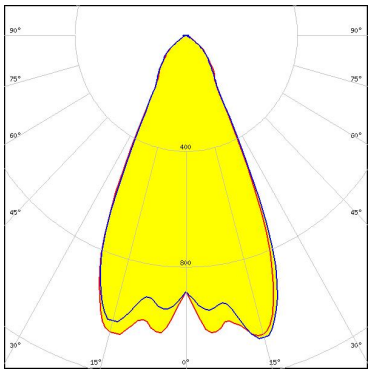
OSRAM
Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	42.0° / 78.0°
Efficiency	90 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

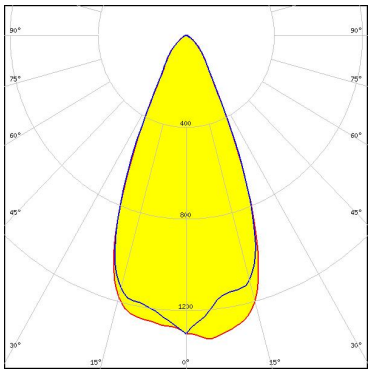
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	50.0° / 90.0°
Efficiency	90 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

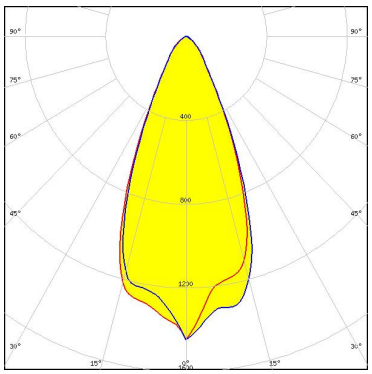
SEOUL SEMICONDUCTOR

LED	MJT 3030
FWHM / FWTM	48.0° / 80.0°
Efficiency	94 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



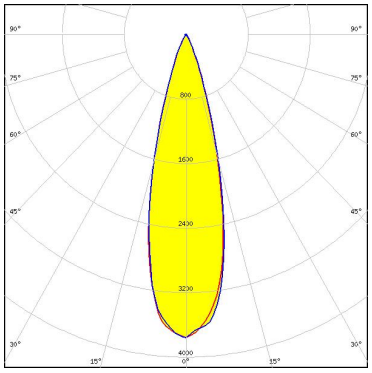
SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	45.0° / 77.0°
Efficiency	94 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z8Y22T
FWHM / FWTM	41.0° / 69.0°
Efficiency	94 %
Peak intensity	1.7 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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