STRADA-2X2-T2

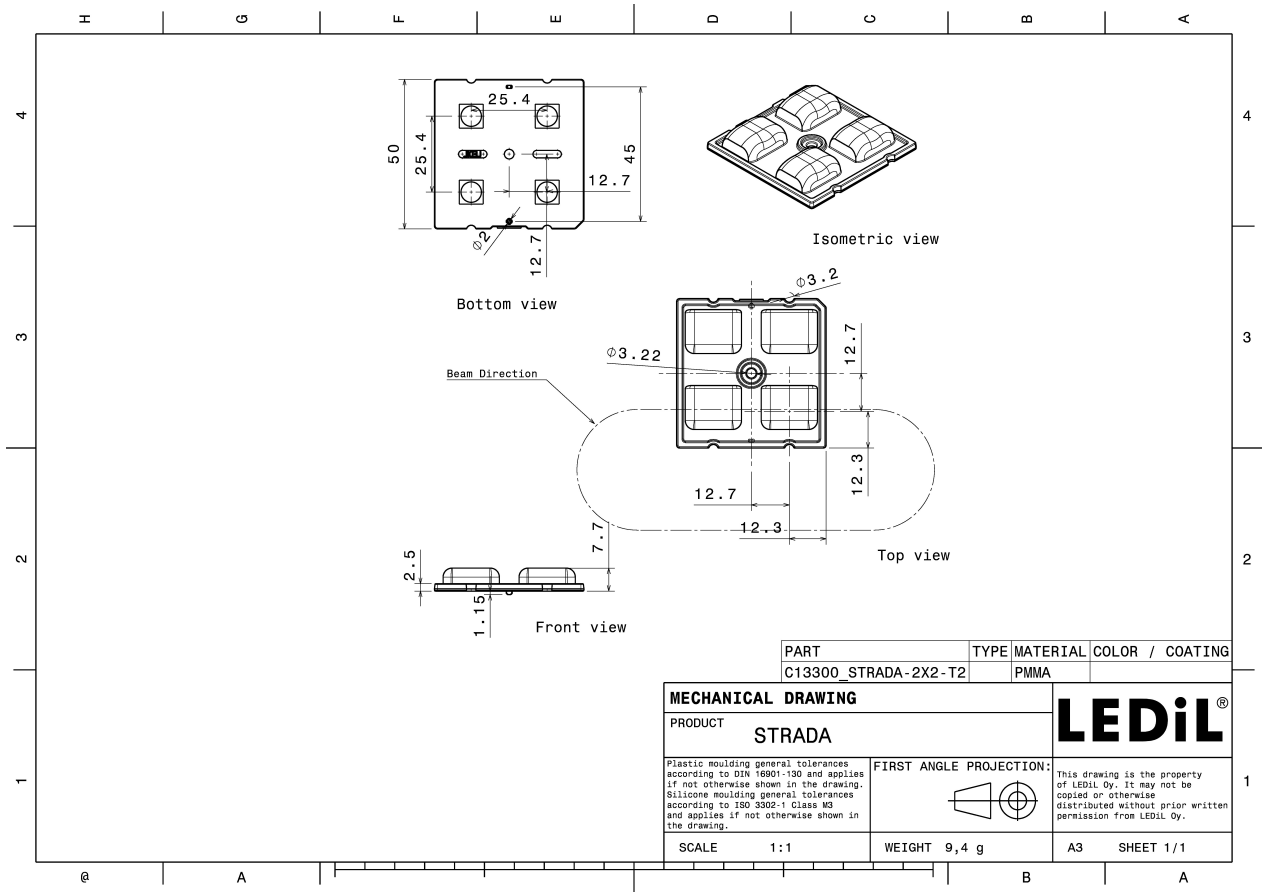
IESNA Type II (medium) beam applicable for European P-class standard pedestrian lighting and M-class roads

TECHNICAL SPECIFICATIONS:

Dimensions	50.0 mm
Height	7.7 mm
Fastening	glue, pin, screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	8.3 kg
Quantity in Box	800 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
STRADA-2X2-T2	Multi-lens	PMMA	clear



PART	TYPE	MATERIAL	COLOR / COATING
C13300_STRADA-2X2-T2		PMMA	

MECHANICAL DRAWING

PRODUCT
STRADA

LEDiL®

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

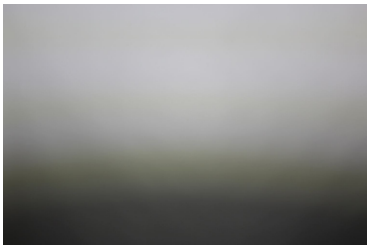
FIRST ANGLE PROJECTION:

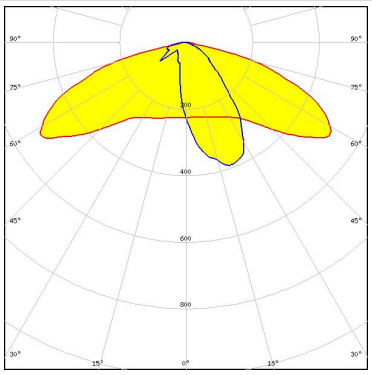
SCALE 1:1 | WEIGHT 9,4 g | A3 SHEET 1/1

PHOTOMETRIC DATA (MEASURED):

bridgelux

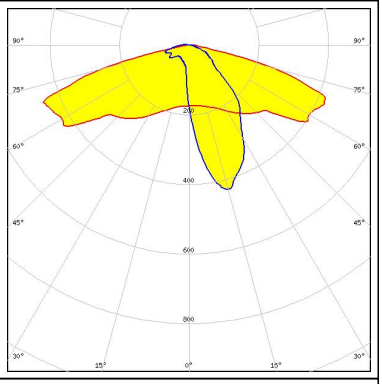
LED	Bridgelux SMD 5050
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.700 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





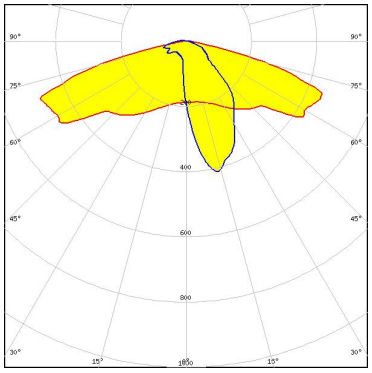
COMET ELECTRONICS

LED	QUICK FLUX XTP 2x4 xxx LS G5
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



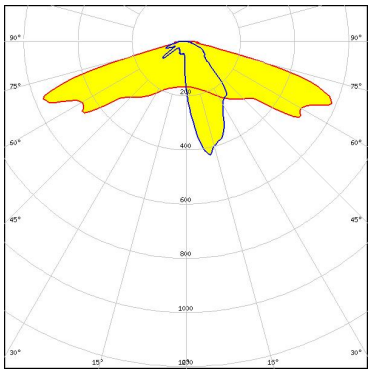
COMET ELECTRONICS

LED	QUICK FLUX XTP 2x6 xxx LS G5
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

LED	XB-D
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

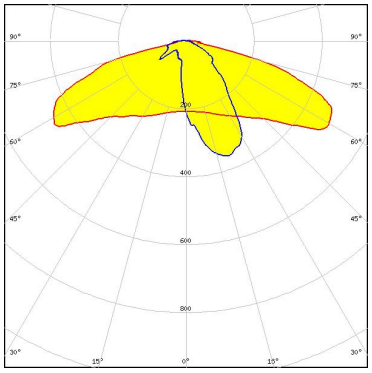


PHOTOMETRIC DATA (MEASURED):

CREE

LED	XD16
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.740 cd/lm
LEDs/each optic	4
Light colour	White

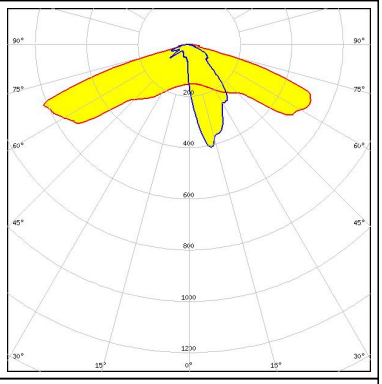
Required components:



CREE

LED	XD16
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.300 cd/lm
LEDs/each optic	1
Light colour	White

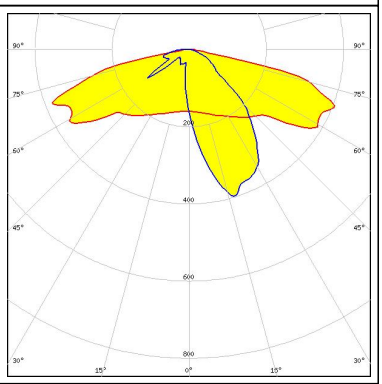
Required components:



CREE

LED	XM-L
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.800 cd/lm
LEDs/each optic	1
Light colour	White

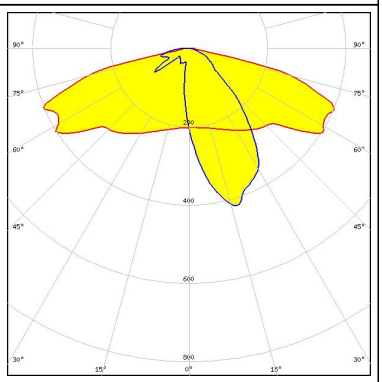
Required components:



CREE

LED	XM-L2
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.700 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

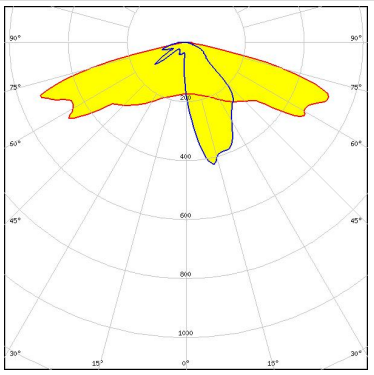


PHOTOMETRIC DATA (MEASURED):

CREE

LED	XP-G
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White

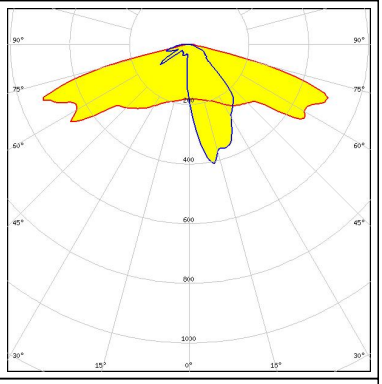
Required components:



CREE

LED	XP-G2
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White

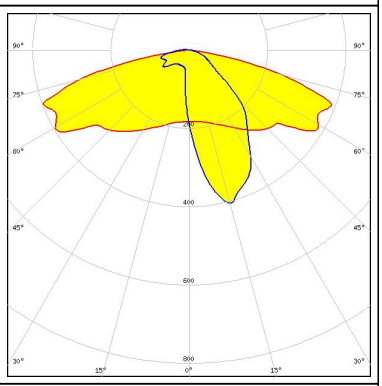
Required components:



CREE

LED	XP-G2 HE
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.839 cd/lm
LEDs/each optic	1
Light colour	White

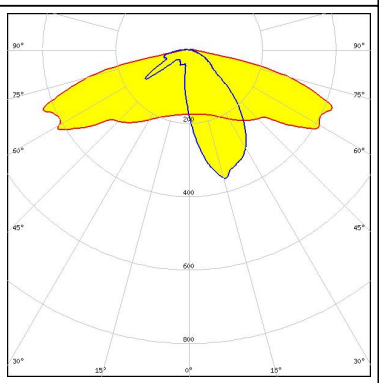
Required components:



CREE

LED	XP-L HD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.830 cd/lm
LEDs/each optic	1
Light colour	White

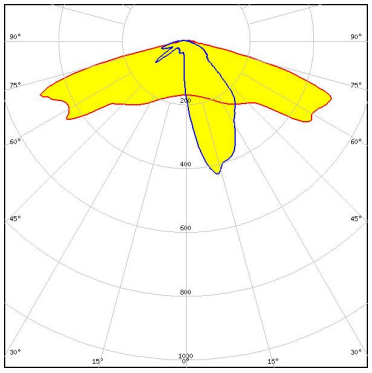
Required components:



PHOTOMETRIC DATA (MEASURED):

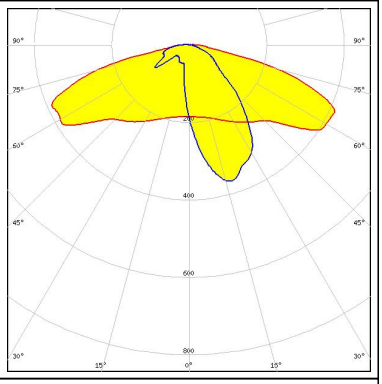
CREE

LED	XP-L HI
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



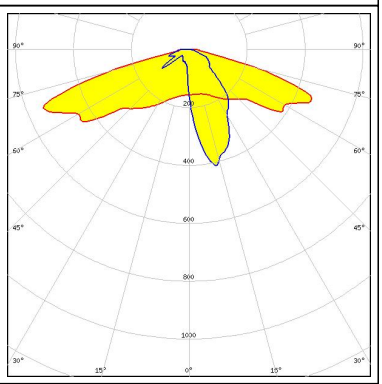
CREE

LED	XP-L2
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.760 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



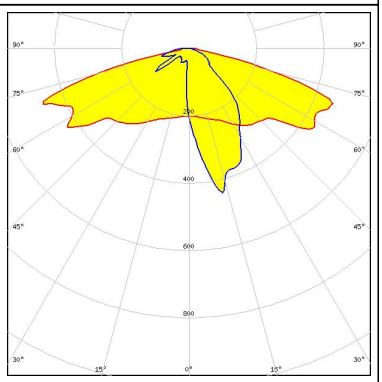
CREE

LED	XT-E
FWHM	Asymmetric
Efficiency	93 %
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LG Innotek

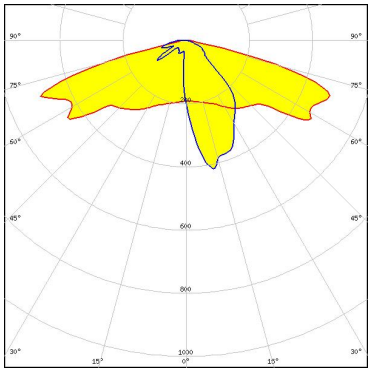
LED	H35C0 (LEMWA33)
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

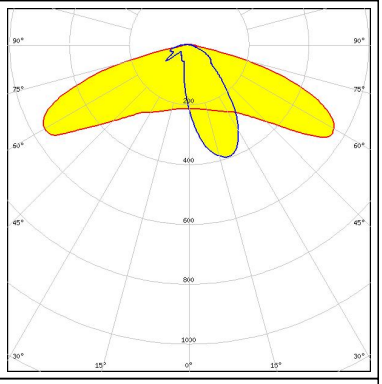
LG Innotek

LED	H35C1 (LEMWA33)
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



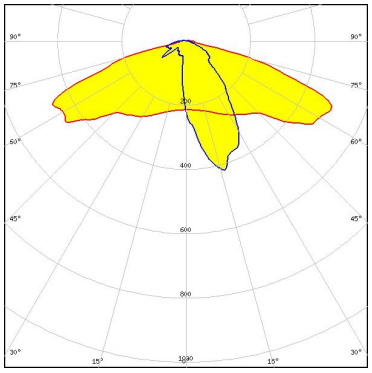
LUMILEDS

LED	LUXEON 5050 Round LES
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.770 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



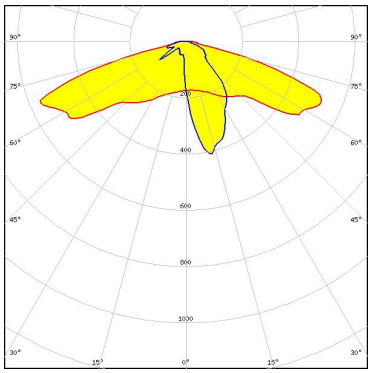
LUMILEDS

LED	LUXEON MZ
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

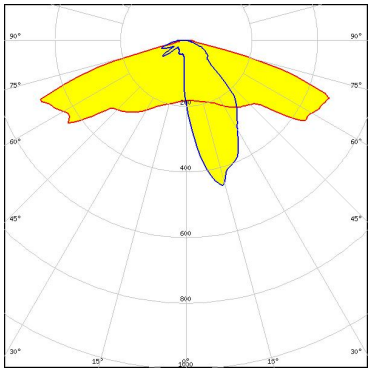
LED	LUXEON Q
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

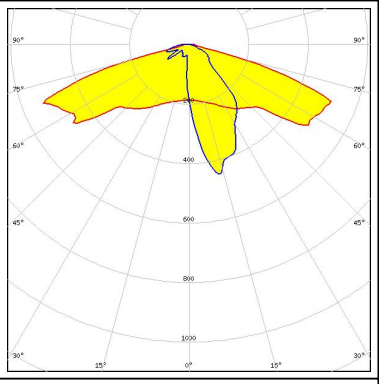
LUMILEDS

LED	LUXEON R
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



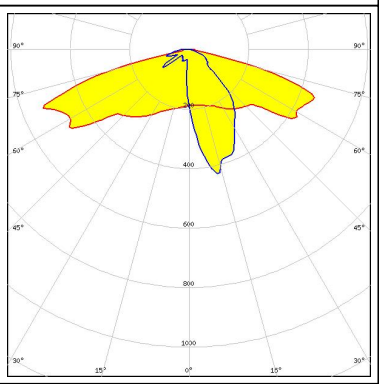
LUMILEDS

LED	LUXEON Rebel ES
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



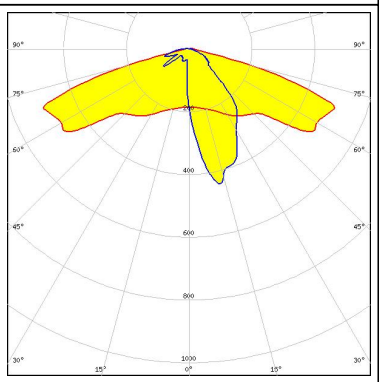
LUMILEDS

LED	LUXEON T
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

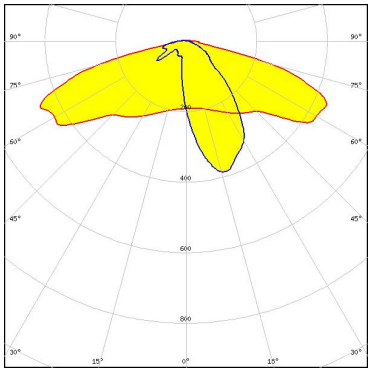
LED	LUXEON TX
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

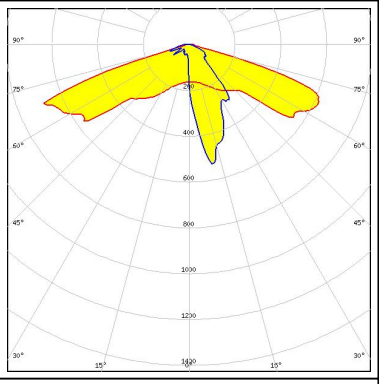
LUMILEDS

LED	LUXEON V
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.790 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



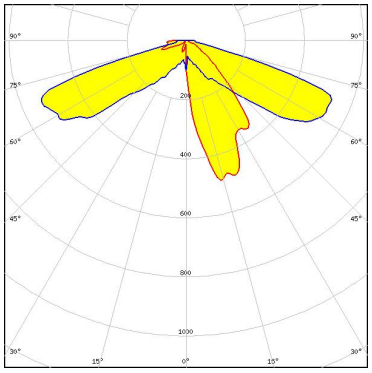
LUMILEDS

LED	LUXEON Z ES
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.500 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



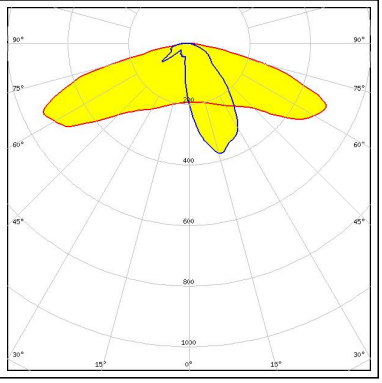
NICHIA

LED	NCSxx19A
FWHM	Asymmetric
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NS9x383
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.800 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

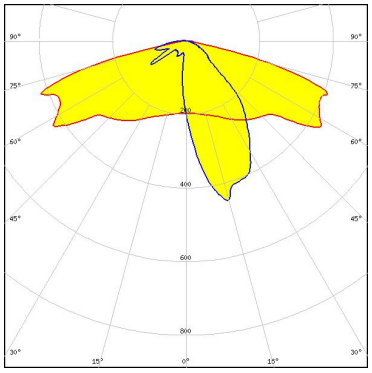


PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NVSW219D
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.920 cd/lm
LEDs/each optic	1
Light colour	White

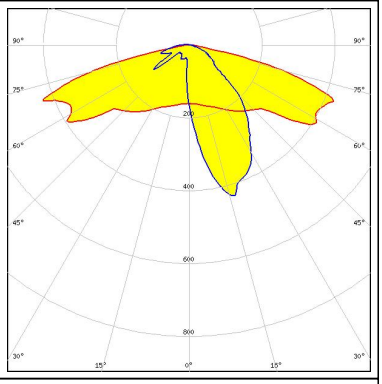
Required components:



NICHIA

LED	NVSW219F
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White

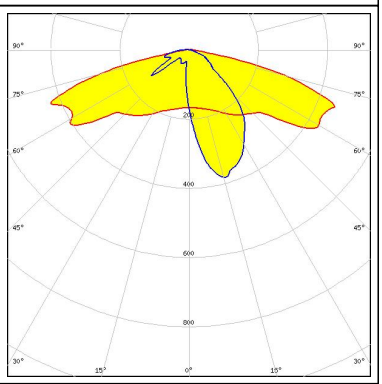
Required components:



NICHIA

LED	NVSW319B
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White

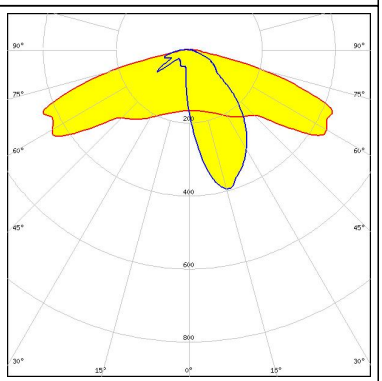
Required components:



NICHIA

LED	NVSW3x9A
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.960 cd/lm
LEDs/each optic	1
Light colour	White

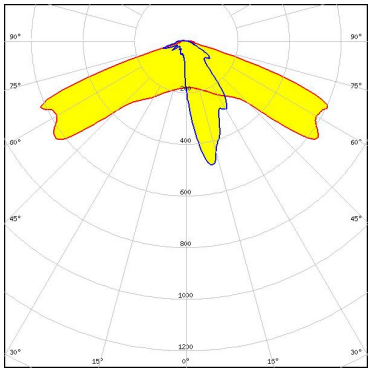
Required components:



PHOTOMETRIC DATA (MEASURED):

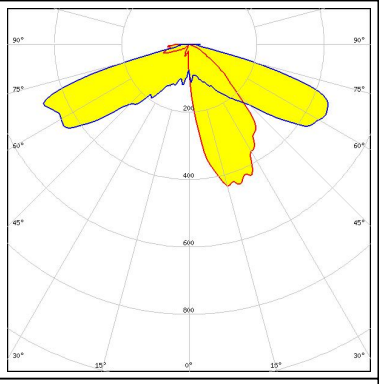
NICHIA

LED	NVSxE21A
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.480 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



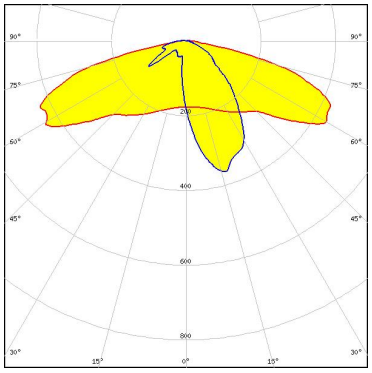
NICHIA

LED	NVSxx19A
FWHM	Asymmetric
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



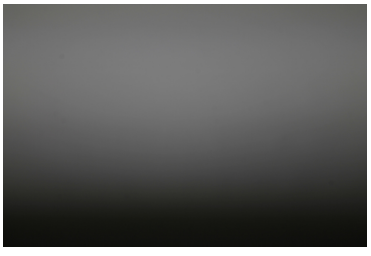
NICHIA

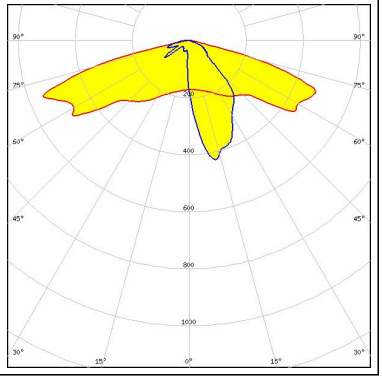
LED	NWSx229A
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.820 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM

LED	PrevaLED Brick HP 2x8
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



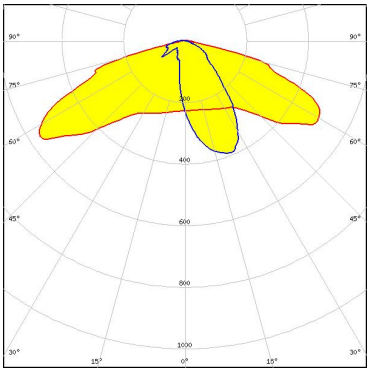


PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	Duris S8
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.740 cd/lm
LEDs/each optic	1
Light colour	White

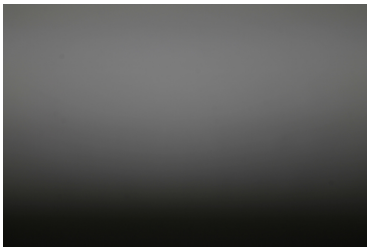
Required components:

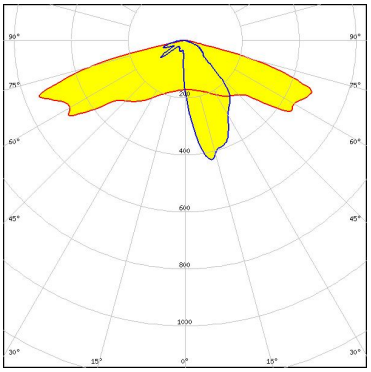


OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



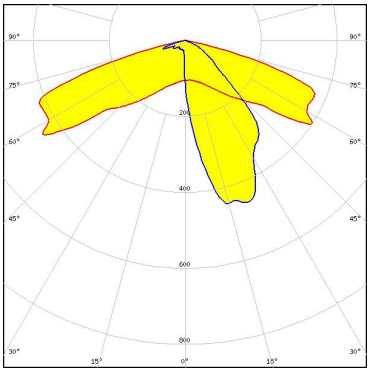


OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

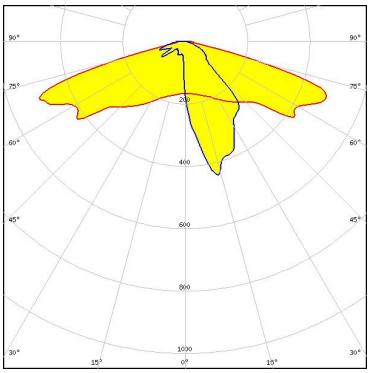
Transparent protective cover



OSRAM
Opto Semiconductors

LED	OSLON Square PC
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White

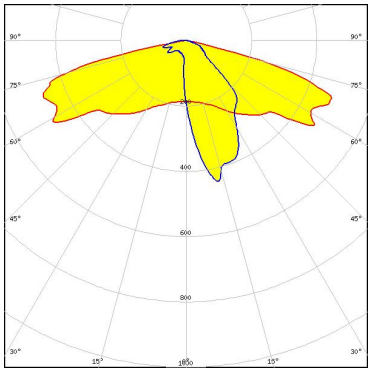
Required components:



PHOTOMETRIC DATA (MEASURED):

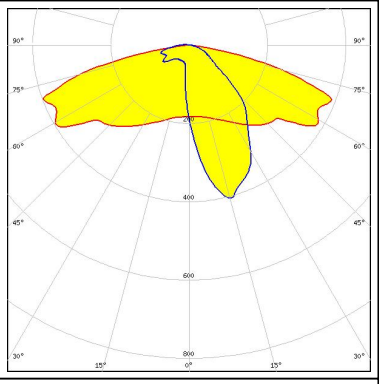
PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G4
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



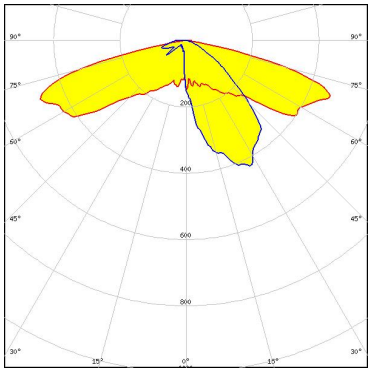
PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G4+
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.839 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



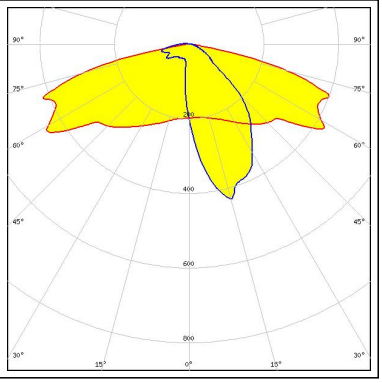
PHILIPS

LED	Fortimo FastFlex LED 2x8 DAX G4
FWHM	Asymmetric
Efficiency	0 %
Peak intensity	0.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	HiLOM RH16 (LH351C)
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.890 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

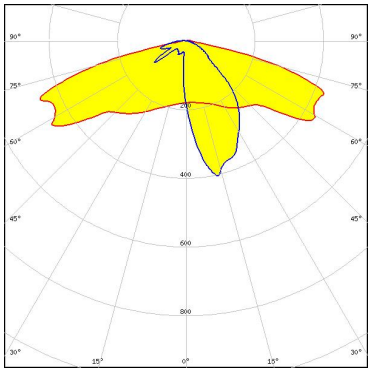


PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LH351B
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.950 cd/lm
LEDs/each optic	1
Light colour	White

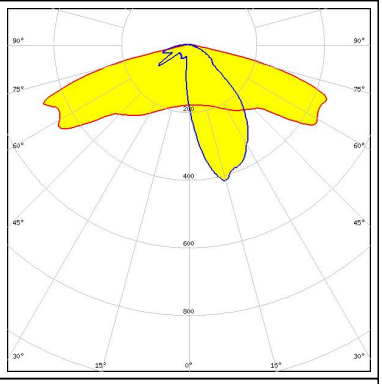
Required components:



SAMSUNG

LED	LH351C
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.960 cd/lm
LEDs/each optic	1
Light colour	White

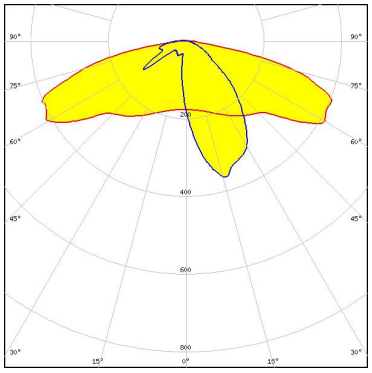
Required components:



SAMSUNG

LED	LH351D
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.780 cd/lm
LEDs/each optic	1
Light colour	White

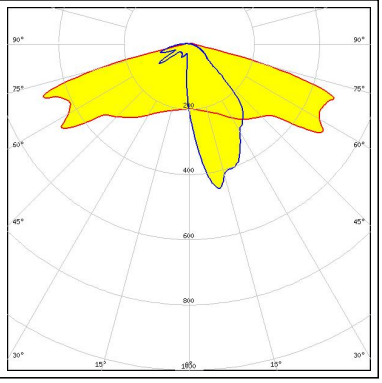
Required components:



SAMSUNG

LED	LH351Z
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

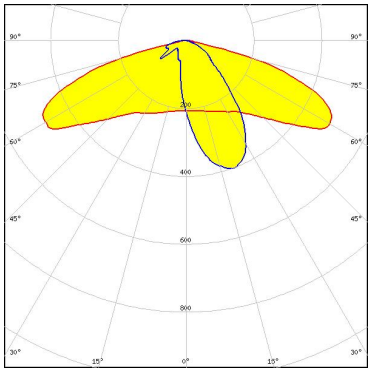


PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LH508A
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.750 cd/lm
LEDs/each optic	1
Light colour	White

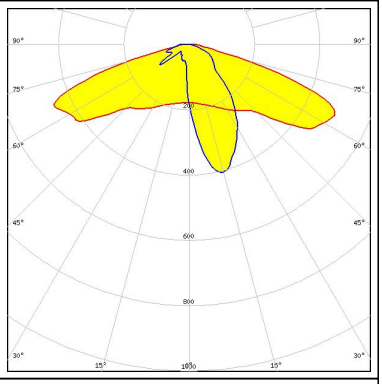
Required components:



SEOUL SEMICONDUCTOR

LED	Acrich MJT 4040
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White

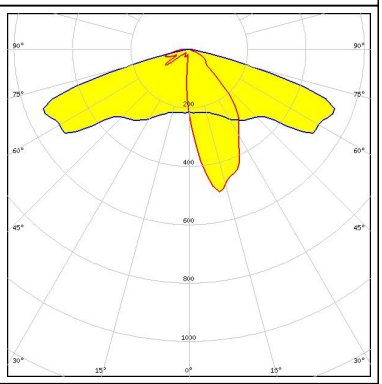
Required components:



SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White

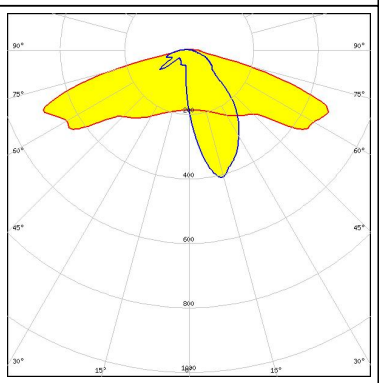
Required components:



SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.950 cd/lm
LEDs/each optic	1
Light colour	White

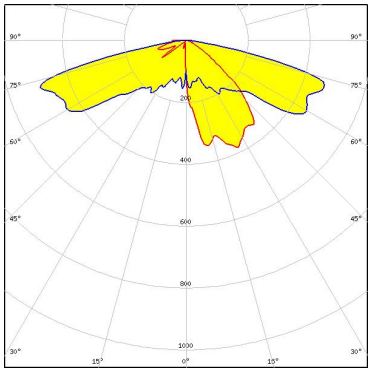
Required components:



PHOTOMETRIC DATA (MEASURED):

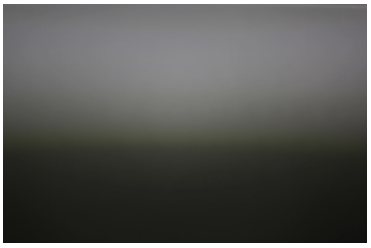
SEOUL SEMICONDUCTOR

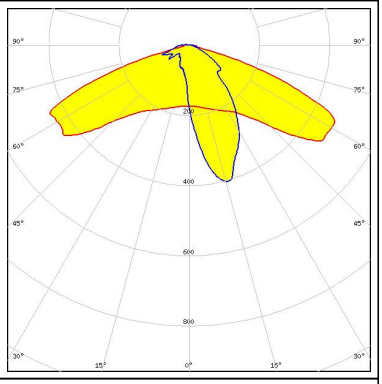
LED	Z5P
FWHM	Asymmetric
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

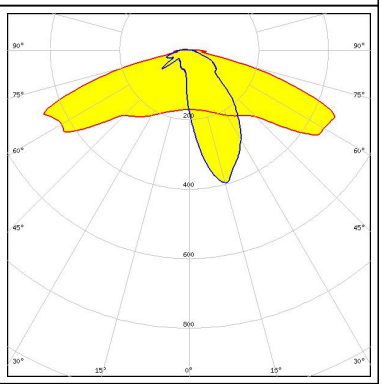
LED	Z8Y22
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





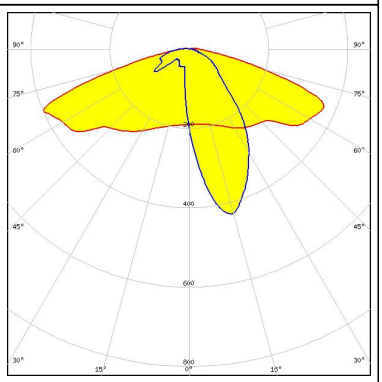
SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.960 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



TOSHIBA
Leading Innovation

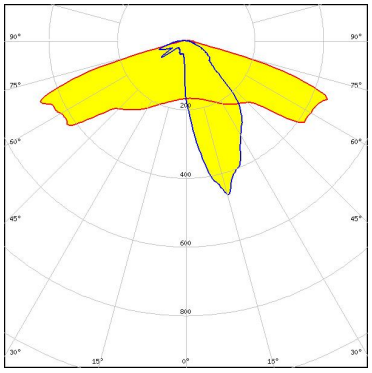
LED	TL1L3
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.790 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

TOSHIBA
Leading Innovation

LED	TL1L4
FWHM	Asymmetric
Efficiency	93 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

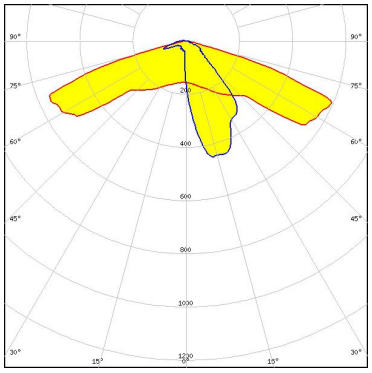


TRIDONIC

LED	RLE 2x4 2000lm HP EXC2 OTD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.300 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

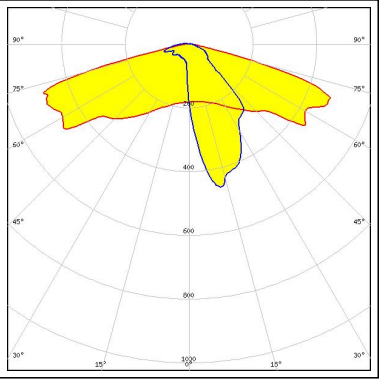
TRIDONIC

LED	RLE 2x8 4000lm HP EXC2 OTD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.300 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



TRIDONIC

LED	RLE G1 49x121mm 2000lm xxx EXC OTD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

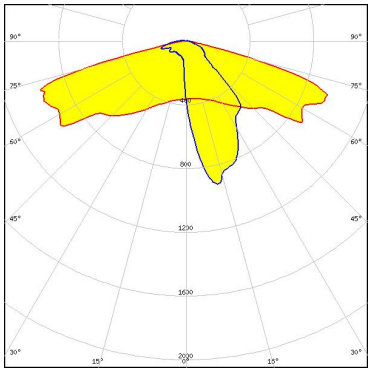


PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED	RLE G1 49x133mm 2000lm xxx EXC OTD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White

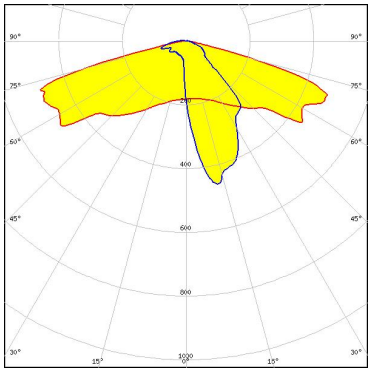
Required components:



TRIDONIC

LED	RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White

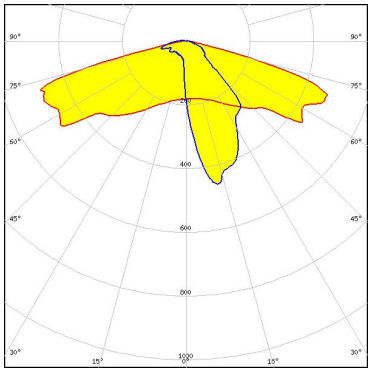
Required components:



TRIDONIC

LED	RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White

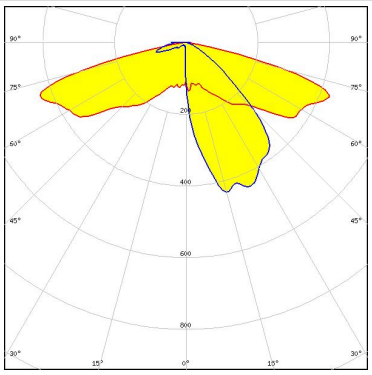
Required components:



PHOTOMETRIC DATA (SIMULATED):

CREE

LED	XB-H
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

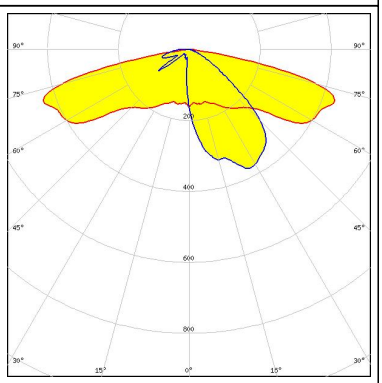
LED	XHP35 HD
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE

LED	XHP35 HI
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE

LED	XP-G2 HE
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	0.681 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

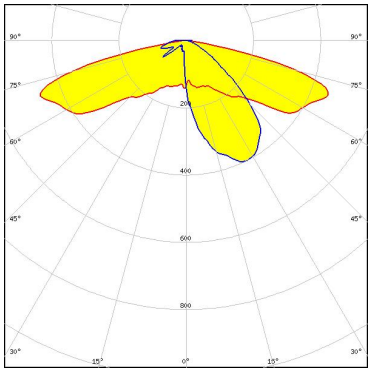


PHOTOMETRIC DATA (SIMULATED):

CREE

LED	XP-G3
FWHM	Asymmetric
Efficiency	93 %
Peak intensity	0.700 cd/lm
LEDs/each optic	1
Light colour	White

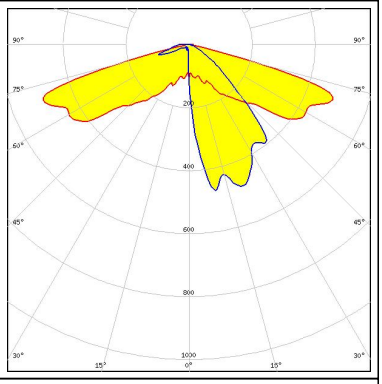
Required components:



CREE

LED	XQ-E HD
FWHM	Asymmetric
Efficiency	93 %
Peak intensity	0.952 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

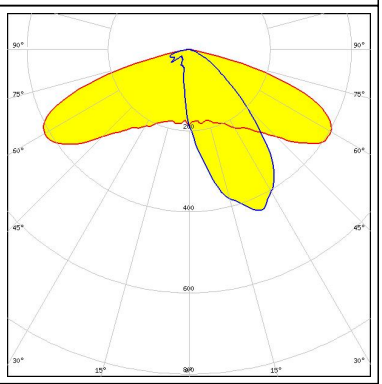


LUMILEDS

LED	LUXEON 5050 Round LES
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.620 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

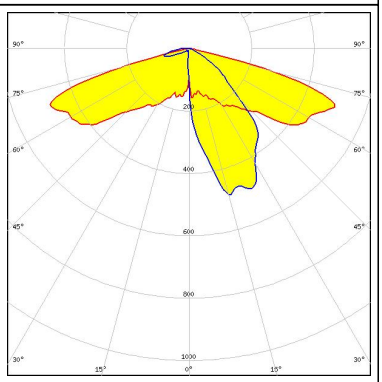
Transparent protective cover



LUMILEDS

LED	LUXEON H50-2
FWHM	Asymmetric
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White

Required components:

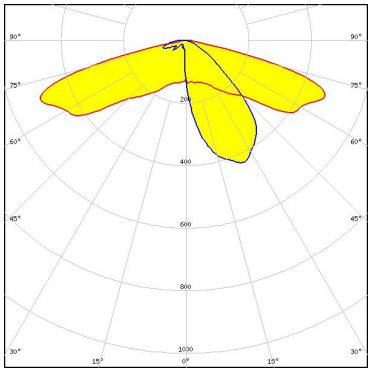


PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON V2
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.760 cd/lm
LEDs/each optic	1
Light colour	White

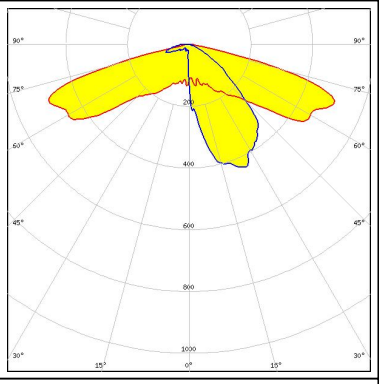
Required components:



NICHIA

LED	NVSxx19B/NVSxx19C
FWHM	Asymmetric
Efficiency	93 %
Peak intensity	0.893 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

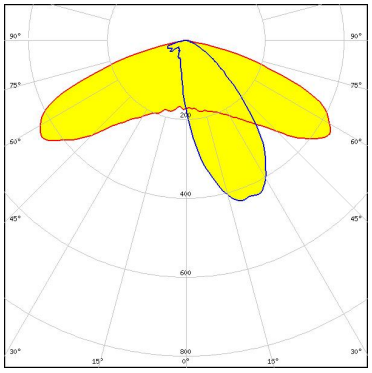


OSRAM
Opto Semiconductors

LED	Duris S8
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.650 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

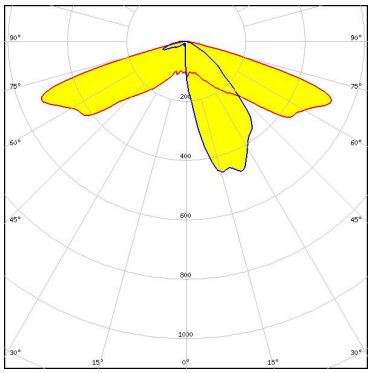
Transparent protective cover



OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	0.910 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

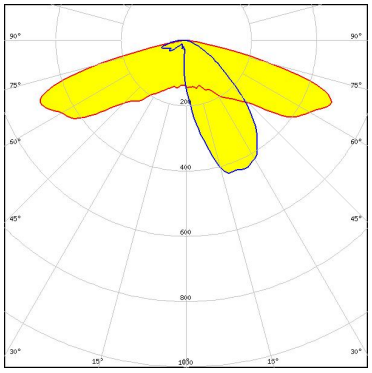


PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.730 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

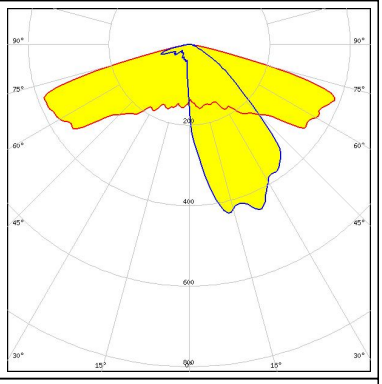


OSRAM
Opto Semiconductors

LED	OSLON Square PC
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	0.700 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

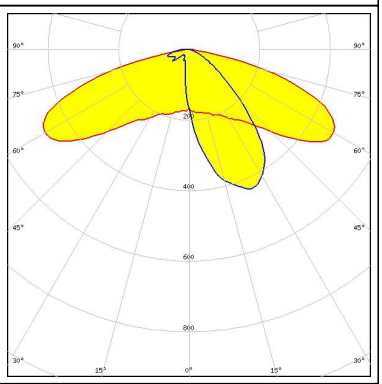
Transparent protective cover



SEOUL SEMICONDUCTOR

LED	SEOUL DC 5050 6V
FWHM	Asymmetric
Efficiency	95 %
Peak intensity	0.649 cd/lm
LEDs/each optic	1
Light colour	White

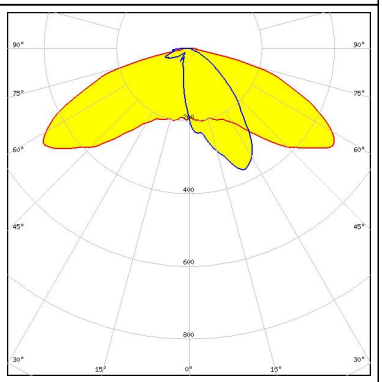
Required components:



SEOUL SEMICONDUCTOR

LED	Z8Y19
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.587 cd/lm
LEDs/each optic	4
Light colour	White

Required components:

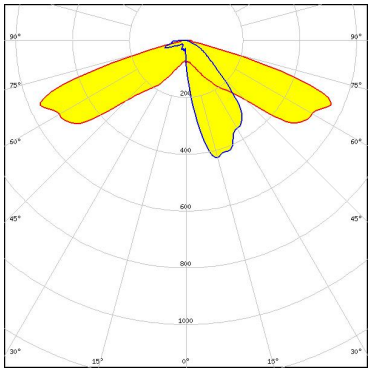


PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z8Y19
FWHM	Asymmetric
Efficiency	93 %
Peak intensity	0.900 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:

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.

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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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