STRADA-2X2-CAT

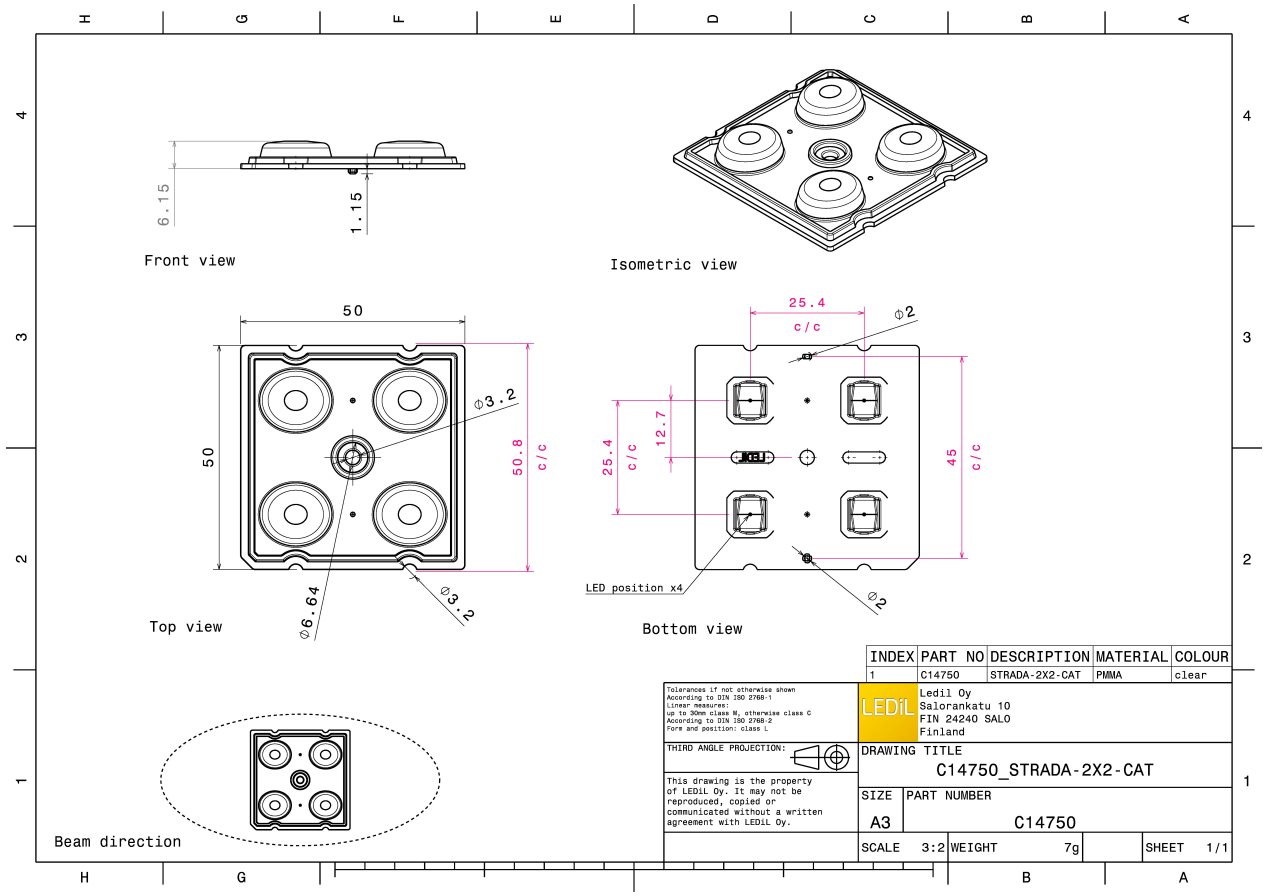
Caternary street light beam optimized for EN13201 M-classes

TECHNICAL SPECIFICATIONS:

Dimensions	50.0 mm
Height	6.2 mm
Fastening	glue, pin, screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	6.3 kg
Quantity in Box	800 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

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



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14750	STRADA-2X2-CAT	PMMA	clear

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
up to 30mm class B, otherwise class C
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
C14750_STRADA-2X2-CAT

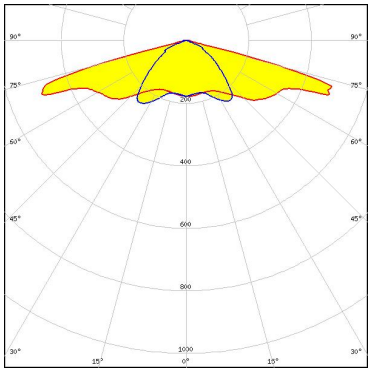
SIZE	PART NUMBER
A3	C14750

SCALE	WEIGHT	SHEET
3:2	7g	1/1

PHOTOMETRIC DATA (MEASURED):

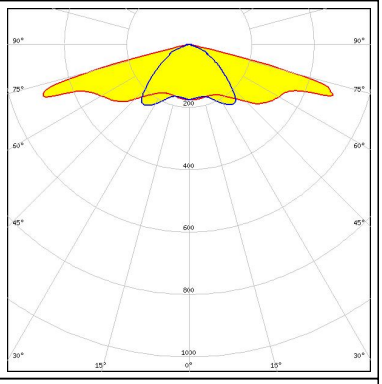
COMET ELECTRONICS

LED	QUICK FLUX XTP 2x4 xxx LS G5
FWHM	152.0 + 117.0°
Efficiency	94 %
Peak intensity	0.490 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



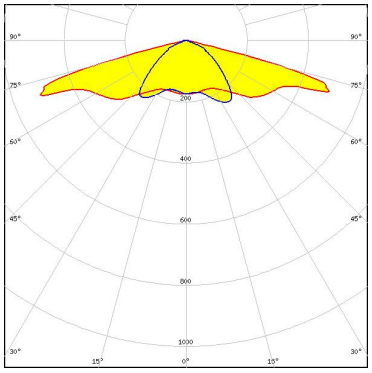
COMET ELECTRONICS

LED	QUICK FLUX XTP 2x6 xxx LS G5
FWHM	153.0 + 118.0°
Efficiency	94 %
Peak intensity	0.490 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



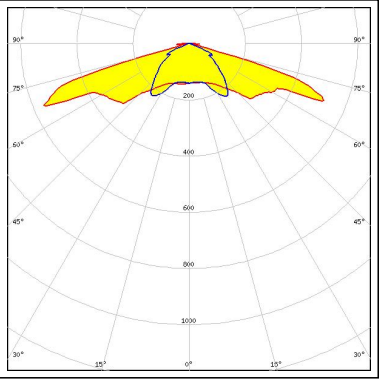
COMET ELECTRONICS

LED	QUICK FLUX XTP 2x8 xxx LS G5
FWHM	152.0 + 118.0°
Efficiency	94 %
Peak intensity	0.510 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

LED	XD16
FWHM	148.0 + 133.0°
Efficiency	94 %
Peak intensity	0.570 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

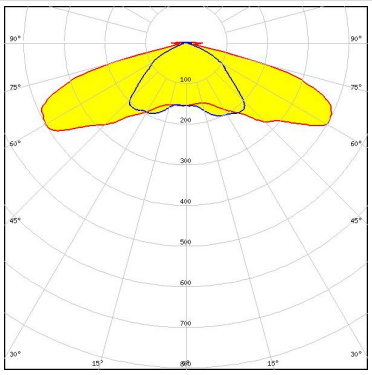


PHOTOMETRIC DATA (MEASURED):

CREE

LED	XD16
FWHM	150.0 + 126.0°
Efficiency	94 %
Peak intensity	0.400 cd/lm
LEDs/each optic	4
Light colour	White

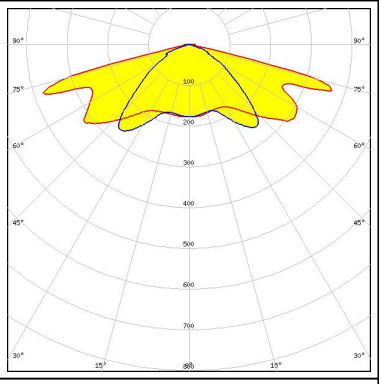
Required components:



CREE

LED	XP-G2
FWHM	153.0 + 118.0°
Efficiency	94 %
Peak intensity	0.380 cd/lm
LEDs/each optic	1
Light colour	White

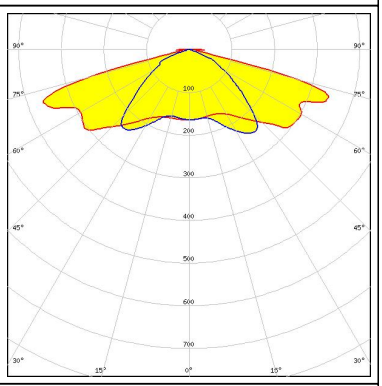
Required components:



CREE

LED	XP-G3
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.360 cd/lm
LEDs/each optic	1
Light colour	White

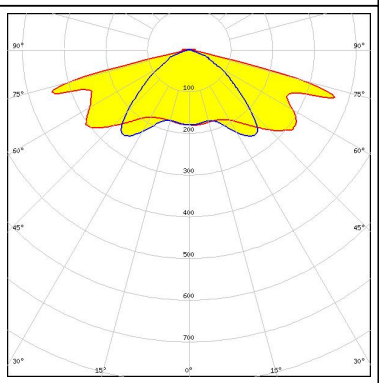
Required components:



CREE

LED	XP-L HI
FWHM	153.0 + 118.0°
Efficiency	94 %
Peak intensity	0.370 cd/lm
LEDs/each optic	1
Light colour	White

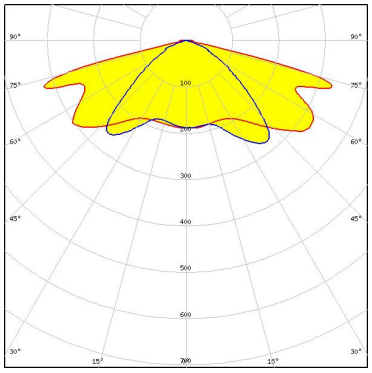
Required components:



PHOTOMETRIC DATA (MEASURED):

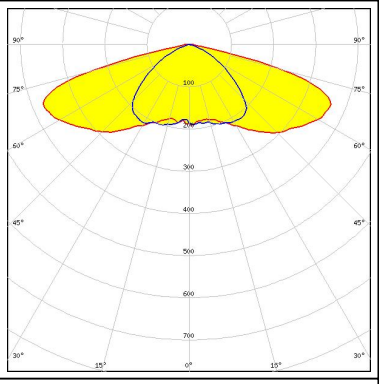
LG Innotek

LED	H35C1 (LEMWA33)
FWHM	154.0 + 116.0°
Efficiency	94 %
Peak intensity	0.330 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



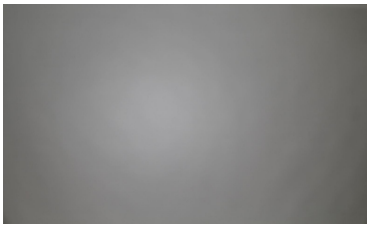
LUMILEDS

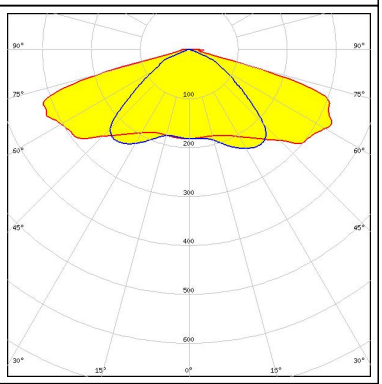
LED	LUXEON 5050
FWHM	149.0 + 119.0°
Efficiency	94 %
Peak intensity	0.430 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

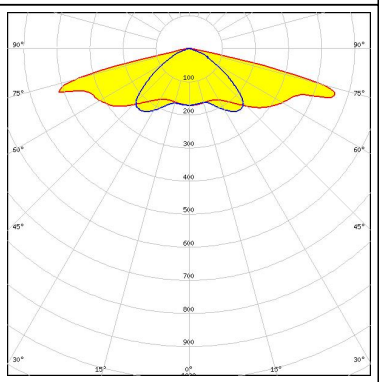
LED	LUXEON V
FWHM	152.0 + 117.0°
Efficiency	94 %
Peak intensity	0.330 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





NICHIA

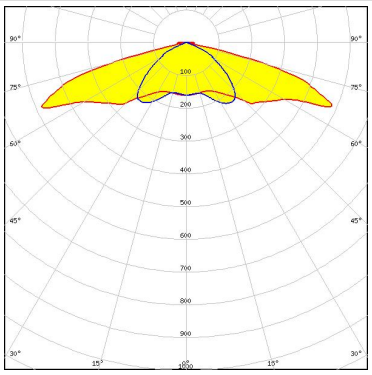
LED	NVSW319B
FWHM	155.0 + 120.0°
Efficiency	94 %
Peak intensity	0.500 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

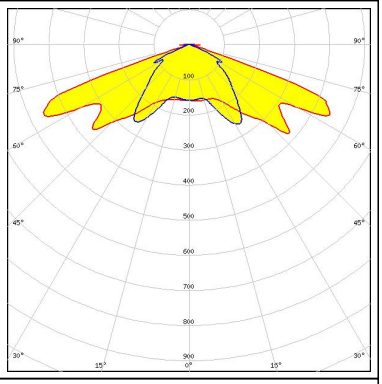
NICHIA

LED	NVSW3x9A
FWHM	152.0 + 125.0°
Efficiency	94 %
Peak intensity	0.490 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



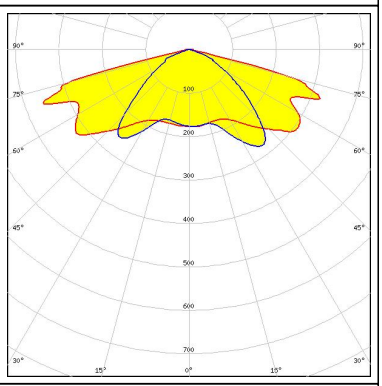
NICHIA

LED	NVSxE21A
FWHM	142.0 + 130.0°
Efficiency	94 %
Peak intensity	0.470 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



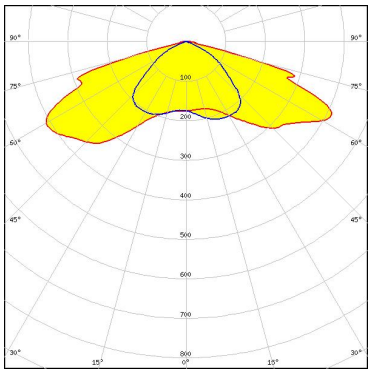
OSRAM

LED	PrevaLED Brick HP 2x8
FWHM	152.0 + 119.0°
Efficiency	94 %
Peak intensity	0.360 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

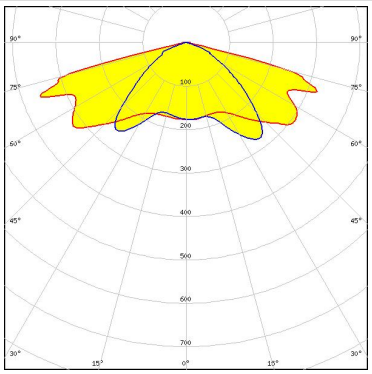
LED	Duris S8
FWHM	150.0 + 117.0°
Efficiency	94 %
Peak intensity	0.410 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

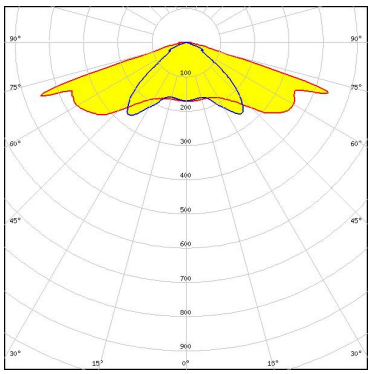
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM	152.0 + 119.0°
Efficiency	94 %
Peak intensity	0.360 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



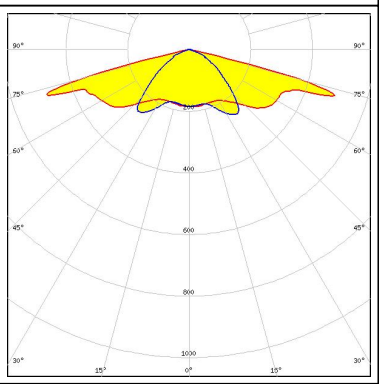
OSRAM
Opto Semiconductors

LED	OSLON Square PC
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.460 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



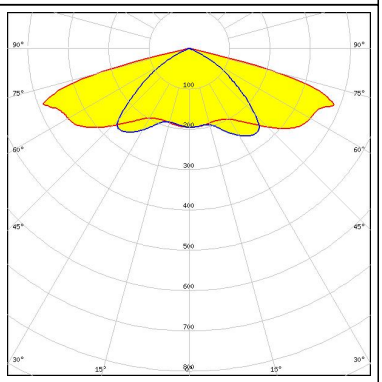
PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G4
FWHM	117.0 + 153.0°
Efficiency	94 %
Peak intensity	0.500 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	HiLOM RH16 (LH351C)
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.390 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

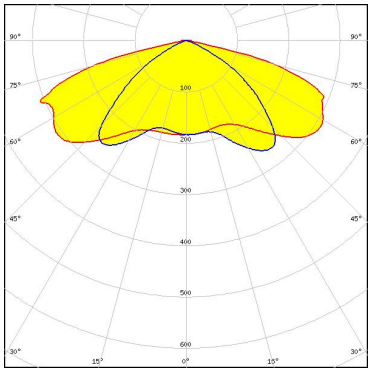


PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LH351B
FWHM	154.0 + 119.0°
Efficiency	94 %
Peak intensity	0.320 cd/lm
LEDs/each optic	1
Light colour	White

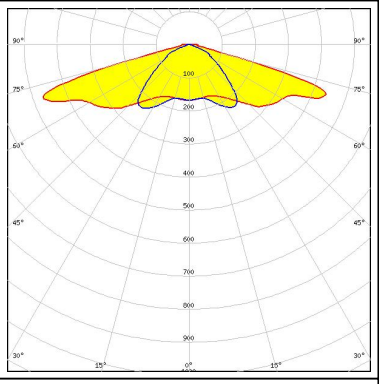
Required components:



SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.470 cd/lm
LEDs/each optic	1
Light colour	White

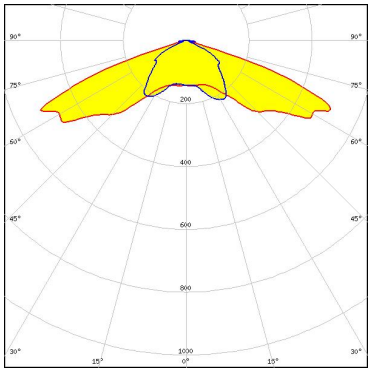
Required components:



SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM	143.0 + 128.0°
Efficiency	94 %
Peak intensity	0.520 cd/lm
LEDs/each optic	1
Light colour	White

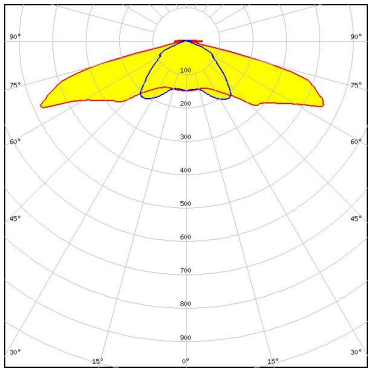
Required components:



SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM	151.0 + 130.0°
Efficiency	94 %
Peak intensity	0.480 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



PHOTOMETRIC DATA (MEASURED):

TRIDONIC

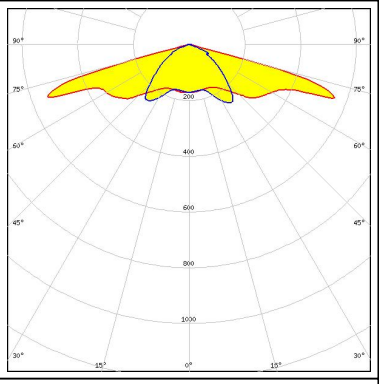
LED	RLE 2x4 2000lm HP EXC2 OTD
FWHM	151.0 + 119.0°
Efficiency	94 %
Peak intensity	0.600 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

TRIDONIC

LED	RLE 2x8 4000lm HP EXC2 OTD
FWHM	151.0 + 119.0°
Efficiency	94 %
Peak intensity	0.600 cd/lm
LEDs/each optic	1
Light colour	White

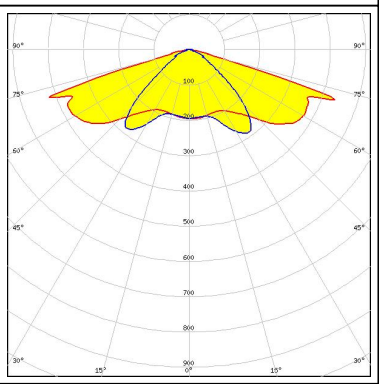
Required components:



TRIDONIC

LED	RLE G1 49x121mm 2000lm xxx EXC OTD
FWHM	147.0 + 107.0°
Efficiency	94 %
Peak intensity	0.440 cd/lm
LEDs/each optic	1
Light colour	White

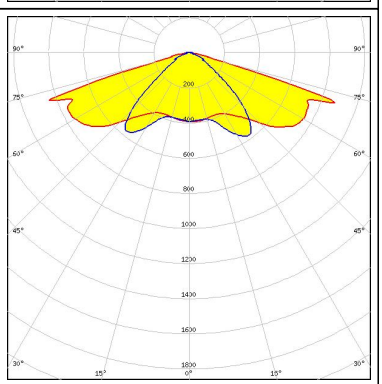
Required components:



TRIDONIC

LED	RLE G1 49x133mm 2000lm xxx EXC OTD
FWHM	147.0 + 107.0°
Efficiency	94 %
Peak intensity	0.440 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

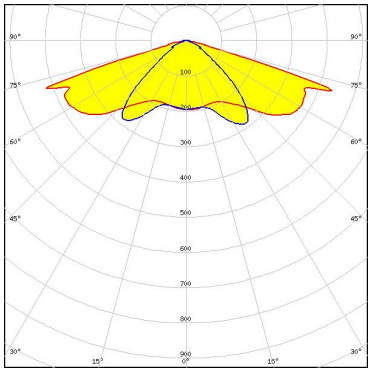


PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED	RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM	147.0 + 107.0°
Efficiency	94 %
Peak intensity	0.440 cd/lm
LEDs/each optic	1
Light colour	White

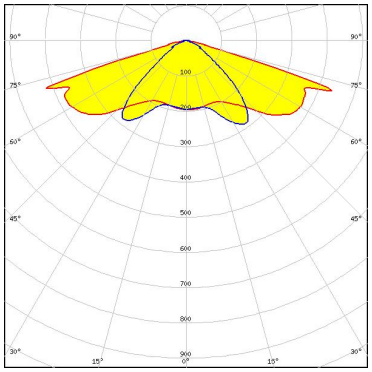
Required components:



TRIDONIC

LED	RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM	147.0 + 107.0°
Efficiency	94 %
Peak intensity	0.440 cd/lm
LEDs/each optic	1
Light colour	White

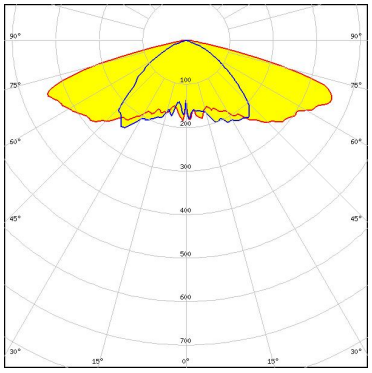
Required components:



PHOTOMETRIC DATA (SIMULATED):

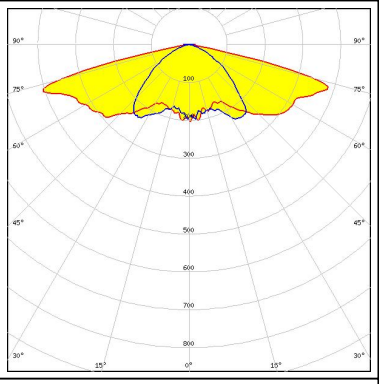
CREE

LED	XM-L
FWHM	109.0 + 152.0°
Efficiency	93 %
Peak intensity	0.360 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



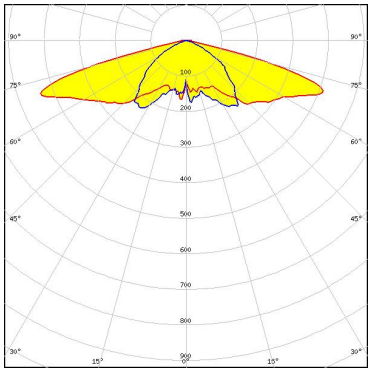
LUMILEDS

LED	LUXEON V2
FWHM	154.0 + 110.0°
Efficiency	94 %
Peak intensity	0.400 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



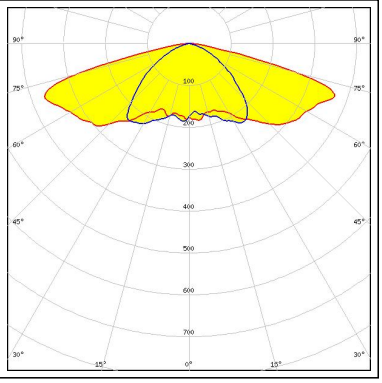
NICHIA

LED	NVSxx19B/NVSxx19C
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	0.440 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM	153.0 + 92.0°
Efficiency	94 %
Peak intensity	0.370 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

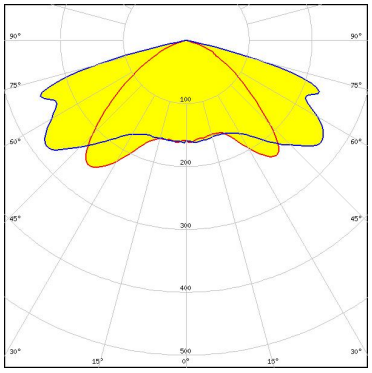


PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM	148.0 + 116.0°
Efficiency	82 %
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White

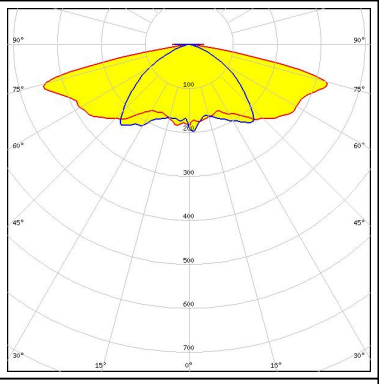
Required components:
Undefined Manufacturer: Protective Plate, Glass



PHILIPS

LED	Fortimo FastFlex LED 2x8 DAX G4
FWHM	157.0 + 94.0°
Efficiency	94 %
Peak intensity	0.350 cd/lm
LEDs/each optic	1
Light colour	White

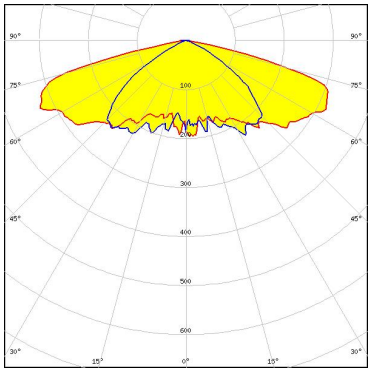
Required components:



SAMSUNG

LED	LH351D
FWHM	152.0 + 114.0°
Efficiency	93 %
Peak intensity	0.330 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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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