STRADA-2X2-ME-WIDE1

Beam with excellent longitudinal luminance uniformity fulfilling EN13201 M-class requirements where road width is equal to or less than the pole height. Added house-side backlight.



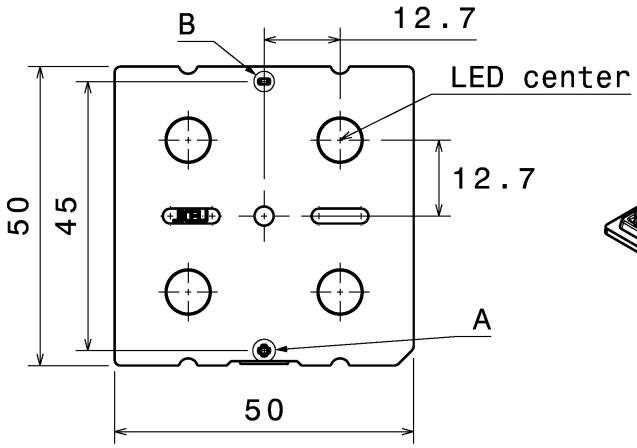
TECHNICAL SPECIFICATIONS:

Dimensions	50.0 mm
Height	8.9 mm
Fastening	glue, pin, screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	7.9 kg
Quantity in Box	800 pcs
ROHS compliant	yes

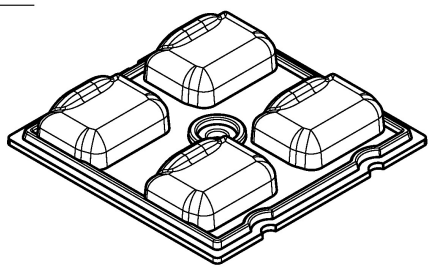
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
STRADA-2X2-ME-WIDE1	Multi-lens	PMMA	clear

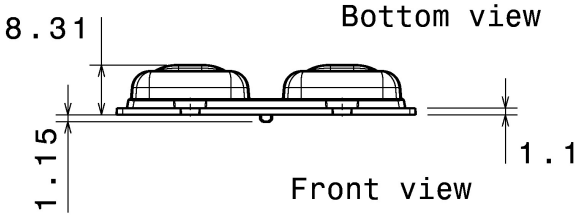
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.



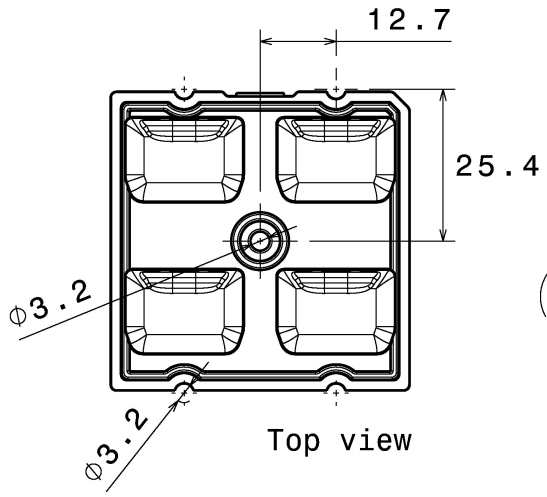
Bottom view



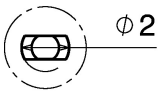
Isometric view



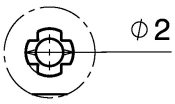
Front view



Top view



Detail B



Detail A

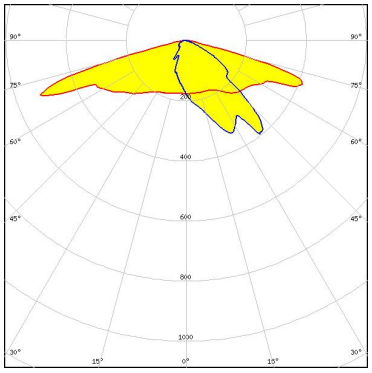
Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class M, otherwise class C. According to DIN ISO 2768-2 Form and position: class L	Ledil Oy Salorankatu 10 FIN 24240 SALO Finland
THIRD ANGLE PROJECTION:	DRAWING TITLE STRADA-2X2-ME-WIDE1
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.	SIZE A4 / PART NUMBER C14164
	SCALE 1:1 / WEIGHT - / SHEET 1/1

PHOTOMETRIC DATA (MEASURED):

CREE

LED	XD16
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.400 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

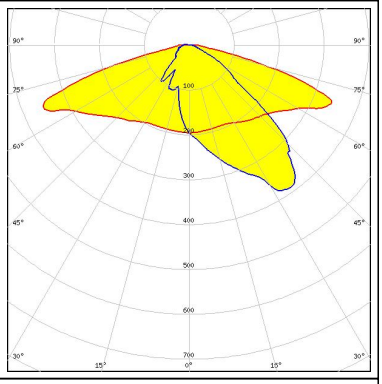


CREE

LED	XD16
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.700 cd/lm
LEDs/each optic	4
Light colour	White

Required components:



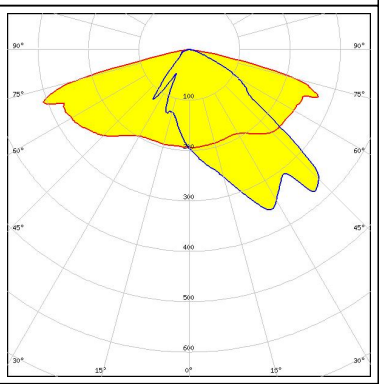


CREE

LED	XP-G
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.950 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Transparent protective cover

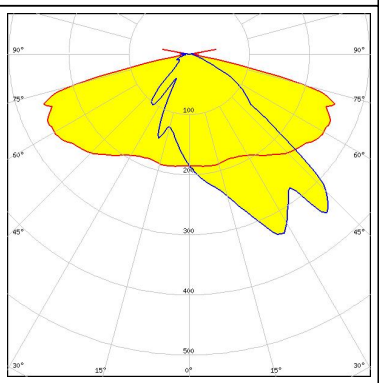


CREE

LED	XP-G2
FWHM	Asymmetric
Efficiency	83 %
Peak intensity	0.860 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Transparent protective cover



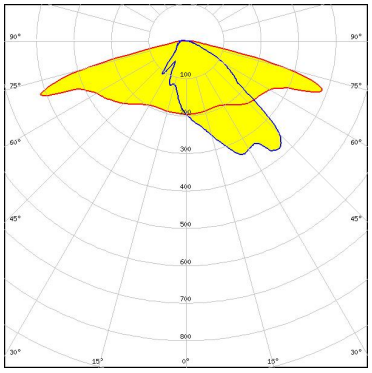
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PHOTOMETRIC DATA (MEASURED):

CREE

LED	XP-G3
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



CREE

LED	XP-L HD
FWHM	Asymmetric
Efficiency	83 %
Peak intensity	0.660 cd/lm
LEDs/each optic	1
Light colour	White

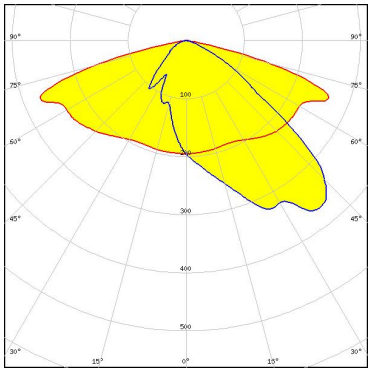
Required components:

Transparent protective cover

CREE

LED	XP-L2
FWHM	Asymmetric
Efficiency	85 %
Peak intensity	0.600 cd/lm
LEDs/each optic	1
Light colour	White

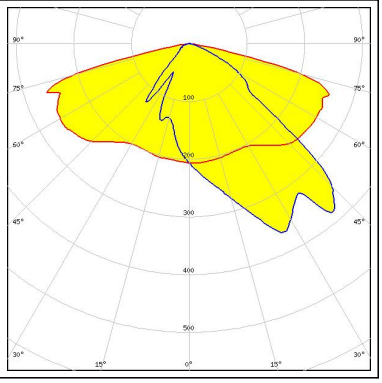
Required components:



LG Innotek

LED	H35C1 (LEMWA33)
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.820 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON TX
FWHM	Asymmetric
Efficiency	84 %
Peak intensity	0.880 cd/lm
LEDs/each optic	1
Light colour	White

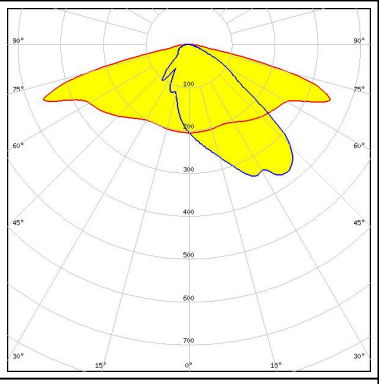
Required components:

Transparent protective cover

LUMILEDS

LED	LUXEON V
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.770 cd/lm
LEDs/each optic	1
Light colour	White

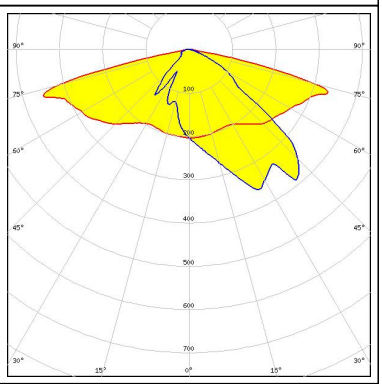
Required components:



NICHIA

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

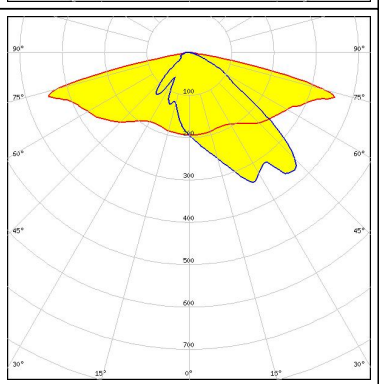
Required components:



NICHIA

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

Required components:



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PHOTOMETRIC DATA (MEASURED):

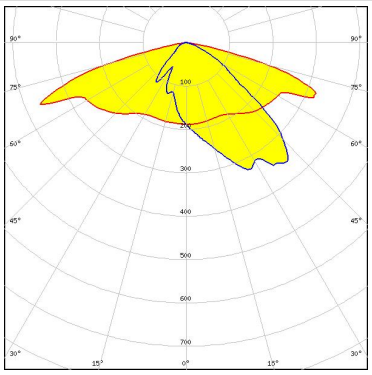
NICHIA

LED	NVSW3x9A
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.780 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Transparent protective cover



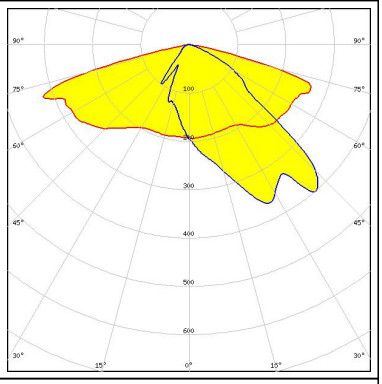


OSRAM

LED	PrevaLED Brick HP 2x8
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.970 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

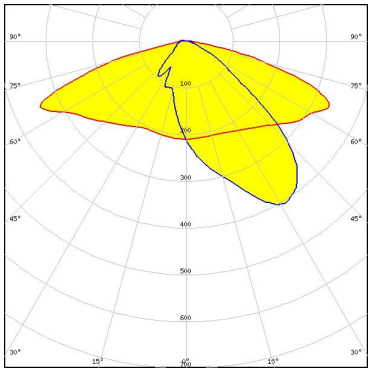




OSRAM Opto Semiconductors

LED	Duris S8
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.620 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



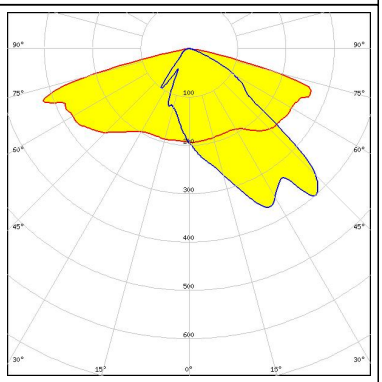
OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.970 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Transparent protective cover





LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON Square PC
FWHM	Asymmetric
Efficiency	84 %
Peak intensity	0.900 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

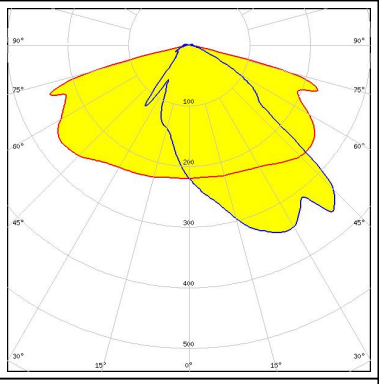
Transparent protective cover

PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G4
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.820 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

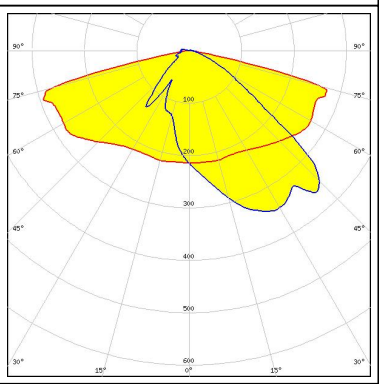
Transparent protective cover



PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G4+
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.927 cd/lm
LEDs/each optic	1
Light colour	White

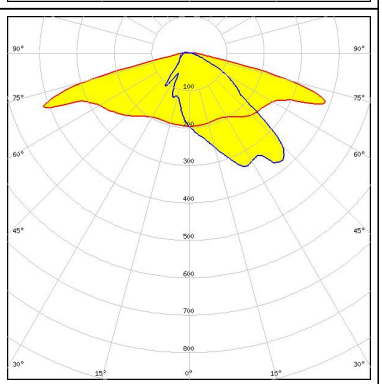
Required components:



PHILIPS

LED	Fortimo FastFlex LED 2x8 DAX G4
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



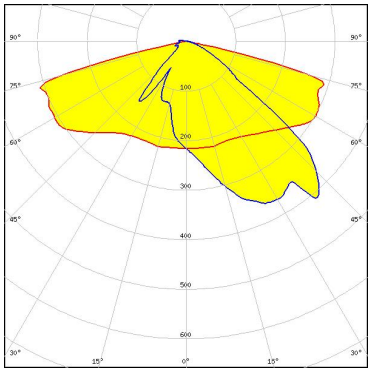
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	HiLOM RH16 (LH351C)
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.900 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

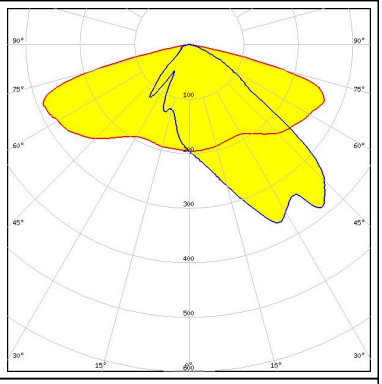


SAMSUNG

LED	LH351B
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	0.740 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

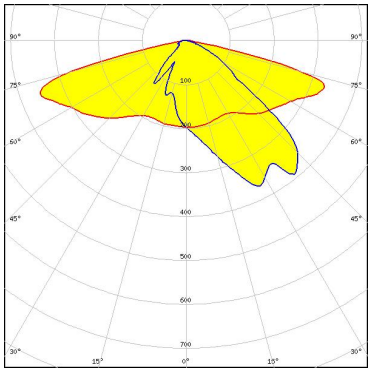
Transparent protective cover



SAMSUNG

LED	LH351B
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.920 cd/lm
LEDs/each optic	1
Light colour	White

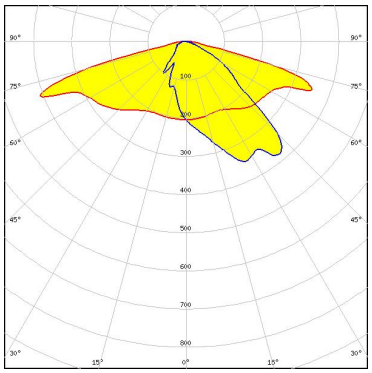
Required components:



SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.980 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



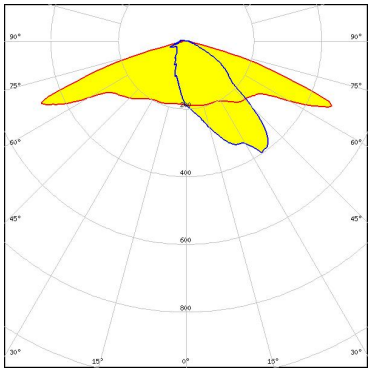
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PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

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

Required components:

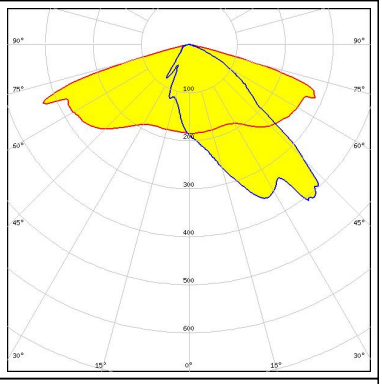


TOSHIBA
Leading Innovation

LED	TL1L4
FWHM	Asymmetric
Efficiency	83 %
Peak intensity	0.880 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Transparent protective cover



TRIDONIC

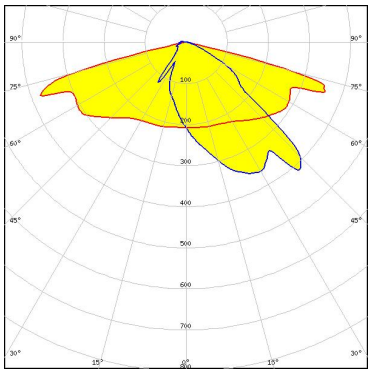
LED	RLE 2x4 2000lm HP EXC2 OTD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.300 cd/lm
LEDs/each optic	1
Light colour	White

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:

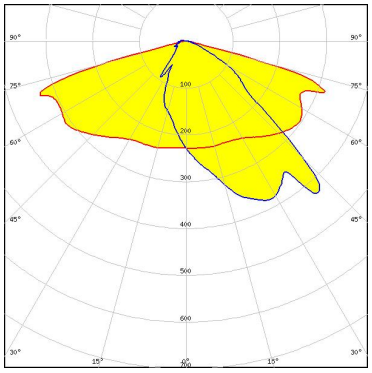


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PHOTOMETRIC DATA (MEASURED):

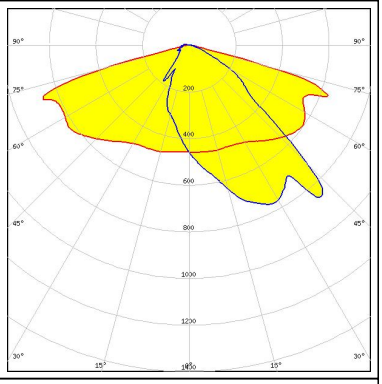
TRIDONIC

LED	RLE G1 49x121mm 2000lm xxx EXC OTD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.200 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



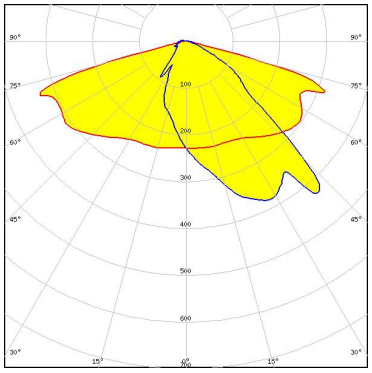
TRIDONIC

LED	RLE G1 49x133mm 2000lm xxx EXC OTD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.200 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



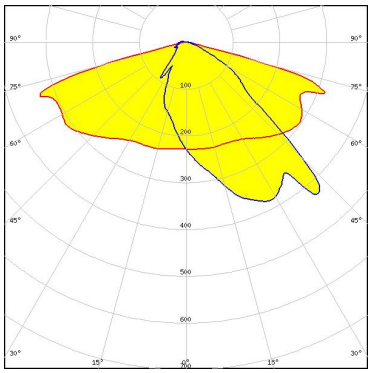
TRIDONIC

LED	RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.200 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	1.200 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



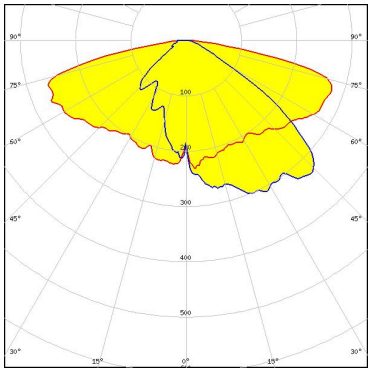
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PHOTOMETRIC DATA (SIMULATED):

CREE

LED	XHP35 HD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.550 cd/lm
LEDs/each optic	1
Light colour	White

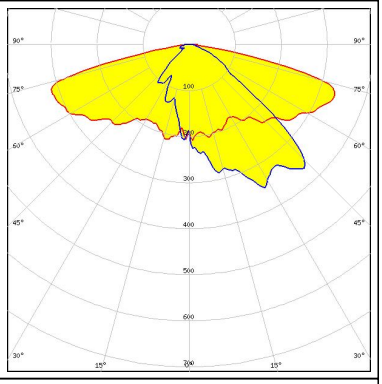
Required components:



CREE

LED	XHP35 HI
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.760 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

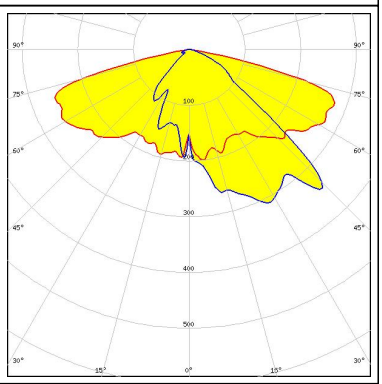


CREE

LED	XP-G2
FWHM	Asymmetric
Efficiency	80 %
Peak intensity	0.573 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

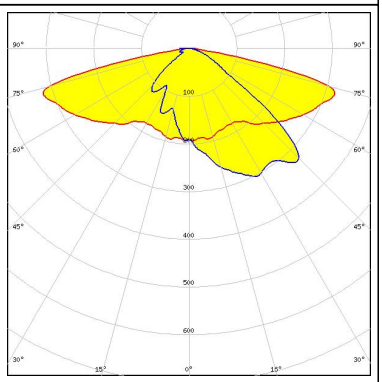
Transparent protective cover



CREE

LED	XP-G2 HE
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	0.688 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



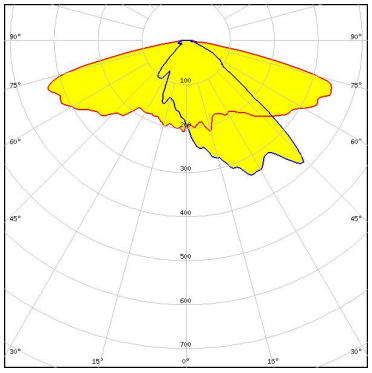
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

CREE

LED	XP-L HI
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.820 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

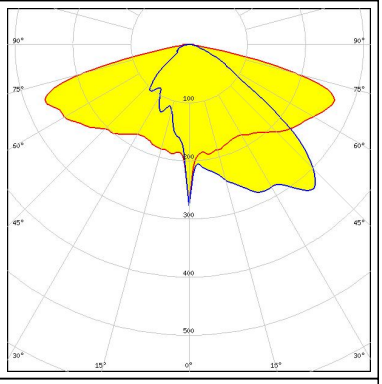


CREE

LED	XP-L2
FWHM	Asymmetric
Efficiency	80 %
Peak intensity	0.460 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Transparent protective cover

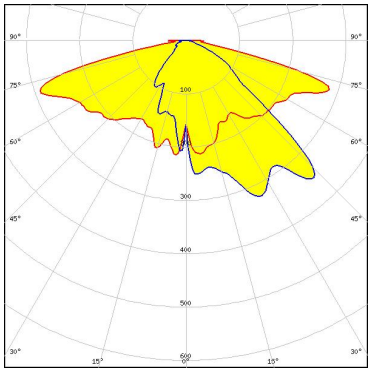


CREE

LED	XT-E
FWHM	Asymmetric
Efficiency	84 %
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Transparent protective cover

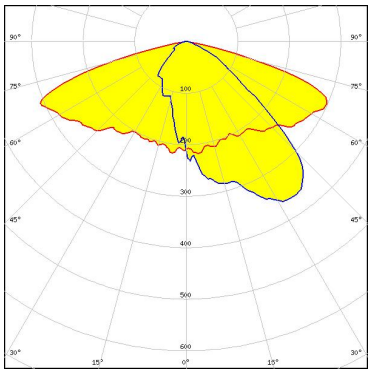


LUMILEDS

LED	LUXEON 5050 Round LES
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.520 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Transparent protective cover



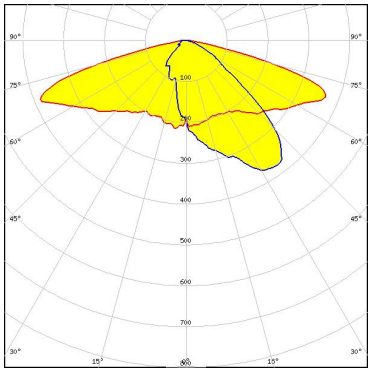
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PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON 5050 Round LES
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.650 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



LUMILEDS

LED	LUXEON T
FWHM	Asymmetric
Efficiency	84 %
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White

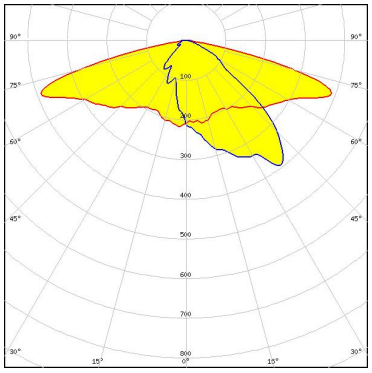
Required components:

Transparent protective cover

NICHIA

LED	NV4WB35AM
FWHM	Asymmetric
Efficiency	95 %
Peak intensity	0.723 cd/lm
LEDs/each optic	1
Light colour	White

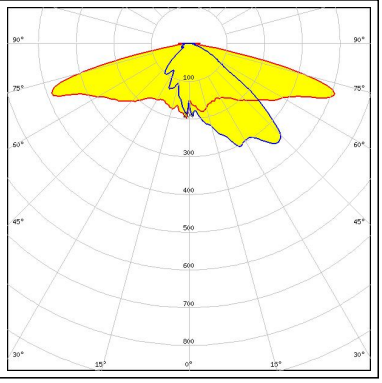
Required components:



NICHIA

LED	NVSW3x9A
FWHM	Asymmetric
Efficiency	93 %
Peak intensity	0.850 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

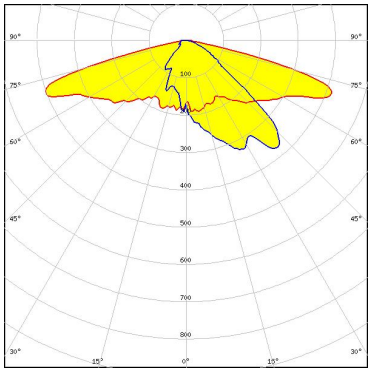


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PHOTOMETRIC DATA (SIMULATED):

NICHIA

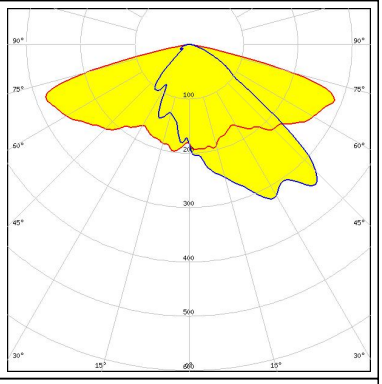
LED	NVSxx19B/NVSxx19C
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.860 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

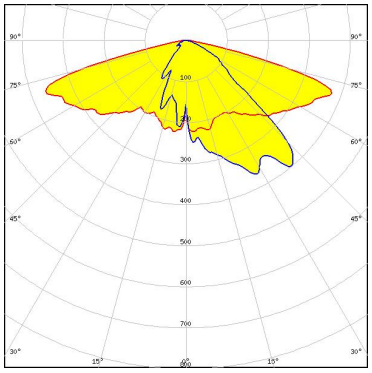
LED	NVSxx19B/NVSxx19C
FWHM	Asymmetric
Efficiency	82 %
Peak intensity	0.569 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Transparent protective cover



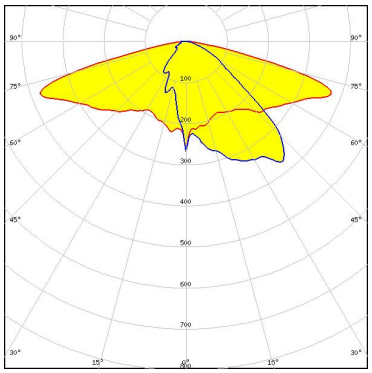
OSRAM Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.900 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.720 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



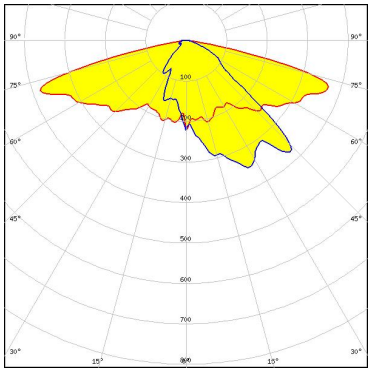
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PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.820 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



SAMSUNG

LED	LH351D
FWHM	Asymmetric
Efficiency	76 %
Peak intensity	0.440 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Transparent protective cover

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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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