

STRADA-2X2-A-T

Short IESNA Type II beam for narrow roads or high poles with extremely low glare

TECHNICAL SPECIFICATIONS:

Dimensions	50.0 x 50.0 mm
Height	7.3 mm
Fastening	glue, pin, screw
ROHS compliant	yes 

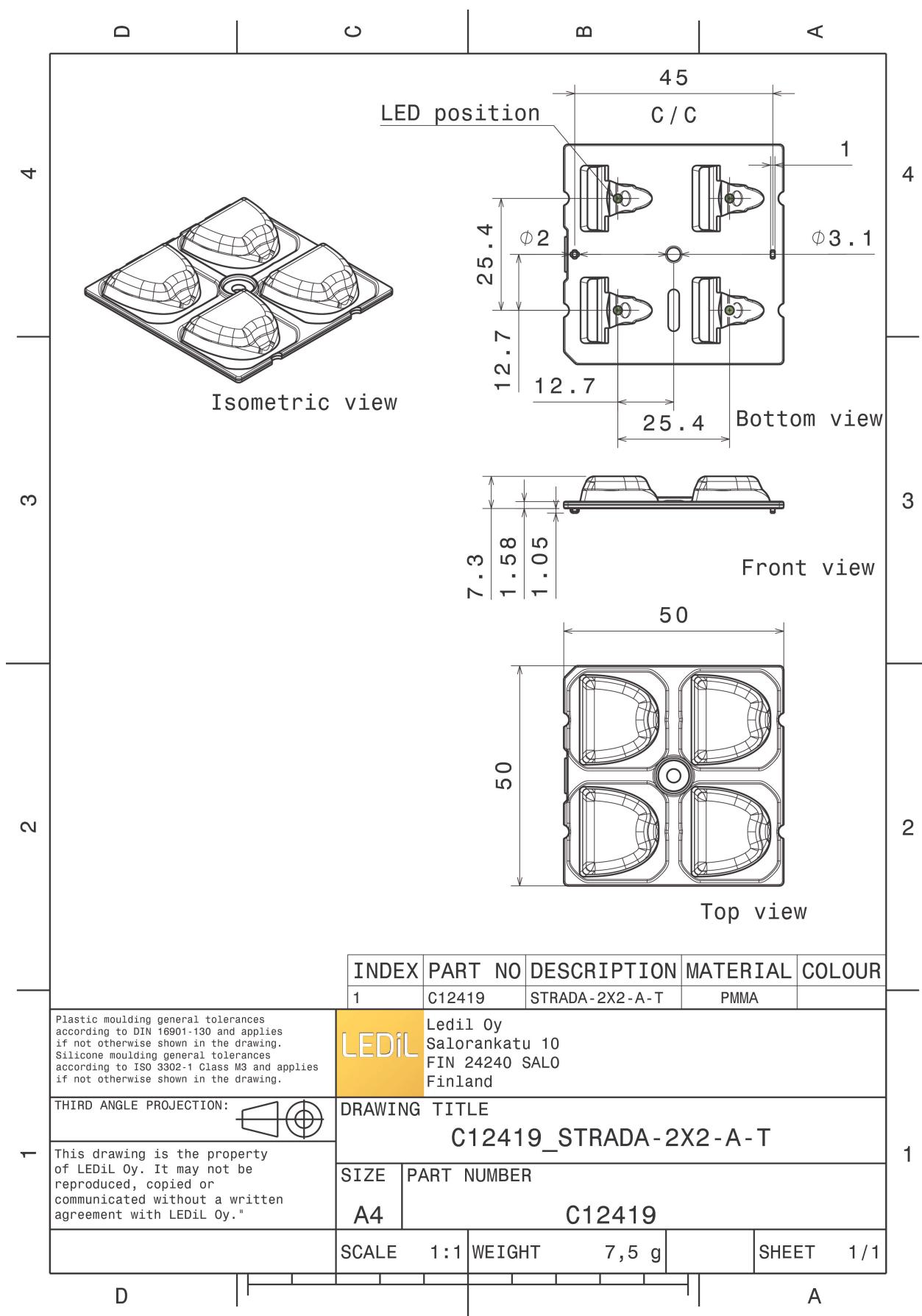


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
STRADA-2X2-A-T	Multi-lens	PMMA	clear	

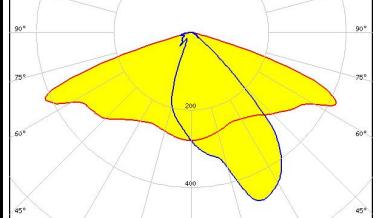
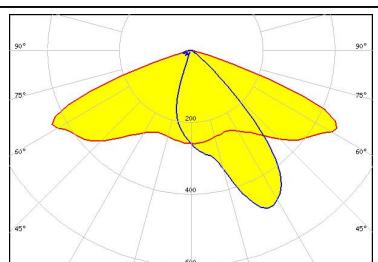
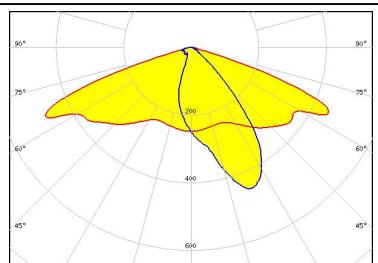
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12419_STRADA-2X2-A-T » Box size: 480 x 280 x 300 mm	800	160	160	6.8



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

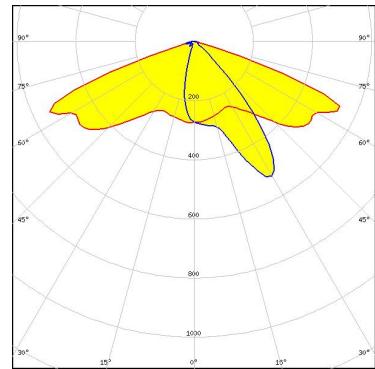
PHOTOMETRIC DATA (MEASURED):

	<p>LED XM-L FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
	<p>LED XM-L2 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
	<p>LED XM-L3 FWHM / FWTM Asymmetric Efficiency 97 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
	<p>LED XP-G FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

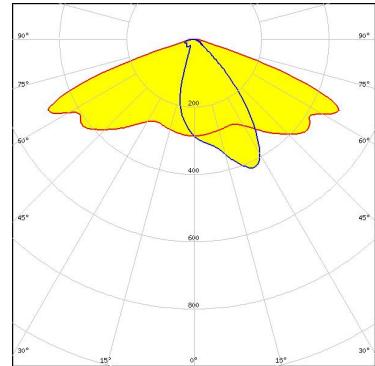
PHOTOMETRIC DATA (MEASURED):



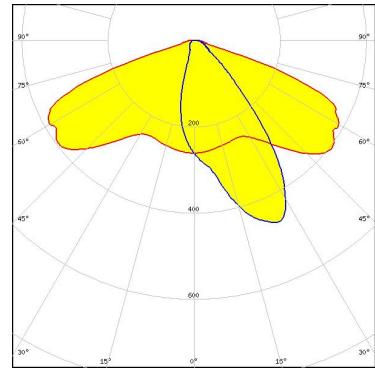
LED XP-G2
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



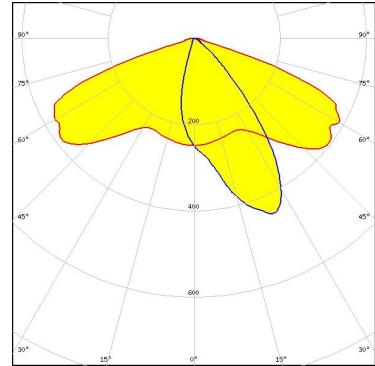
LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C17580_STRADA-2X2-SHD-WHT



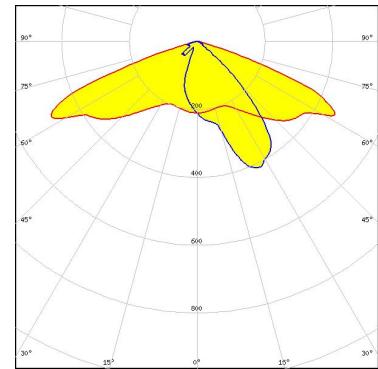
LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 84 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C17677_STRADA-2X2-SHD-BLK



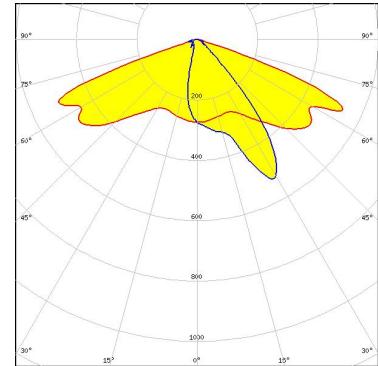
PHOTOMETRIC DATA (MEASURED):



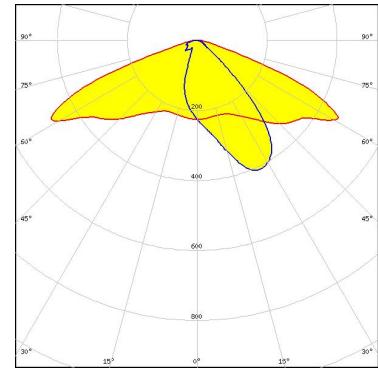
LED XP-L HD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



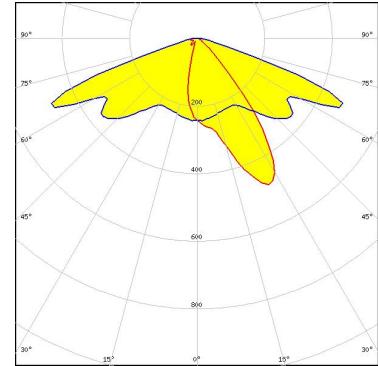
LED XP-L HI
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-L2
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



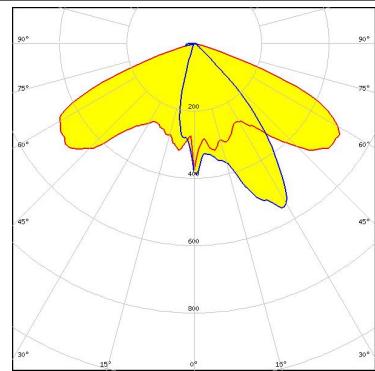
LED XT-E
FWHM / FWTM Asymmetric
Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

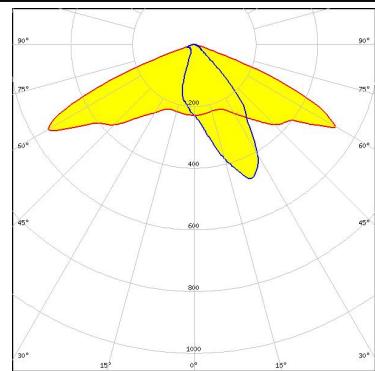
LUMILEDS

LED LUXEON H50-2
FWHM / FWTM Asymmetric
Efficiency 0 %
LEDs/each optic 1
Light colour White
Required components:



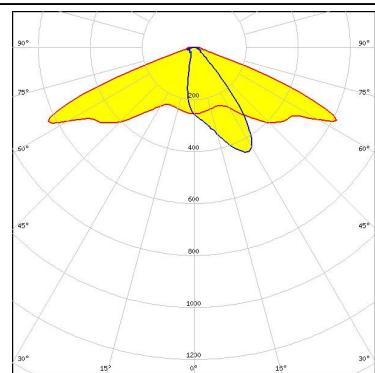
LUMILEDS

LED LUXEON MZ
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



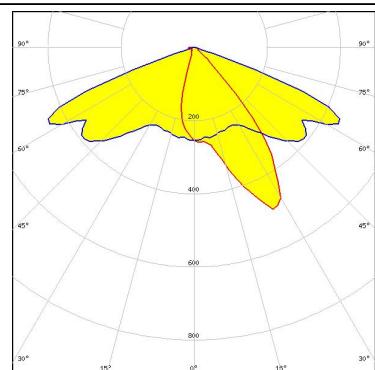
LUMILEDS

LED LUXEON Q
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

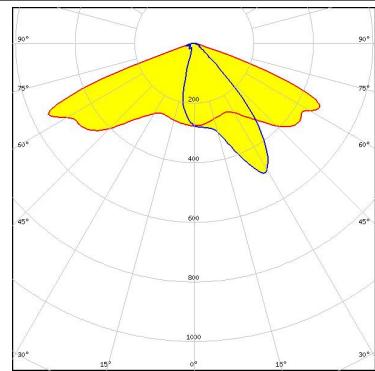
LED LUXEON Rebel ES
FWHM / FWTM Asymmetric
Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

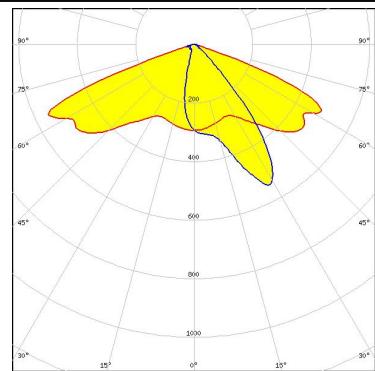
LUMILEDS

LED LUXEON T
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



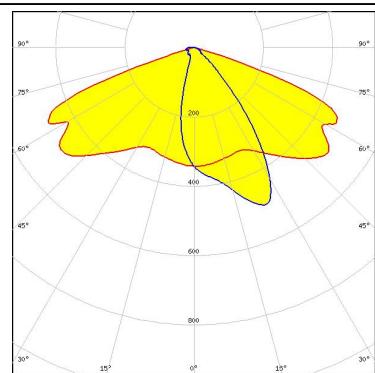
LUMILEDS

LED LUXEON TX
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



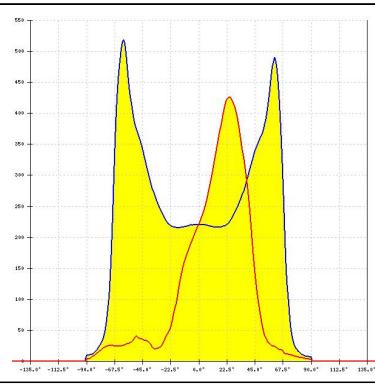
MST | Your solutions

LED RecLED 122x50mm 1900lm 730 2x4 Opt G1
 FWHM / FWTM Asymmetric
 Efficiency 98 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

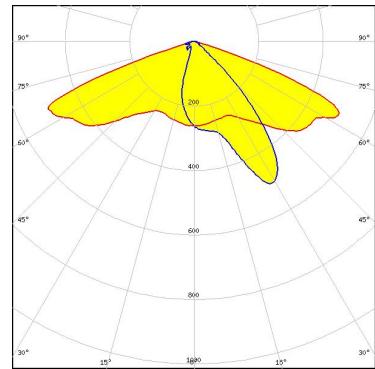
LED NS9x383
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



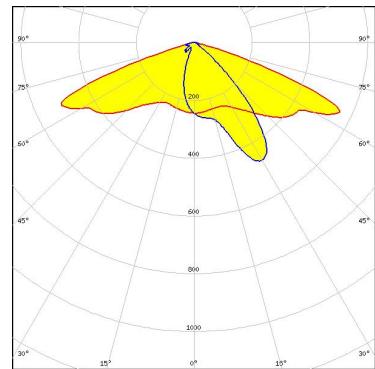
PHOTOMETRIC DATA (MEASURED):



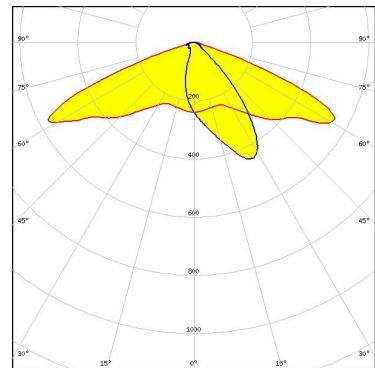
LED NVSW219F
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



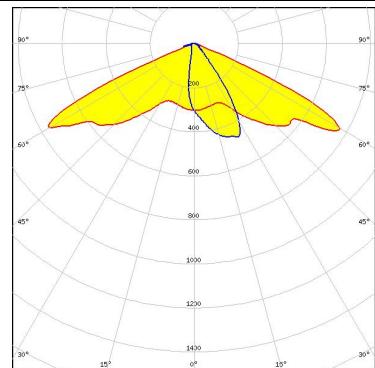
LED NVSW319B
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW3x9A
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxE21A
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):



LED NVSxx19B/NVSxx19C

FWHM / FWTM Asymmetric

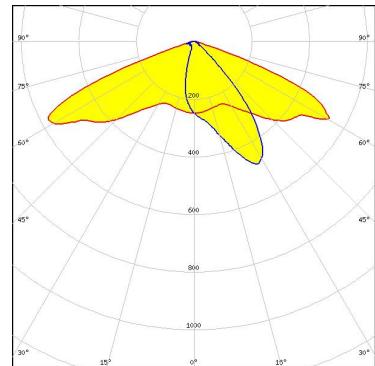
Efficiency 94 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



OSRAM

LED PrevalLED Brick HP 2x8

FWHM / FWTM Asymmetric

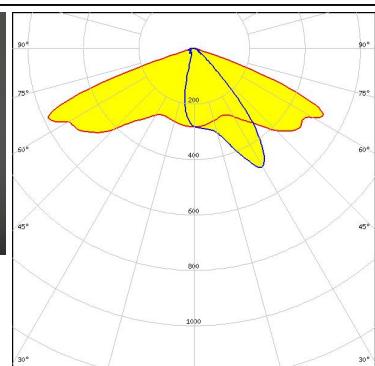
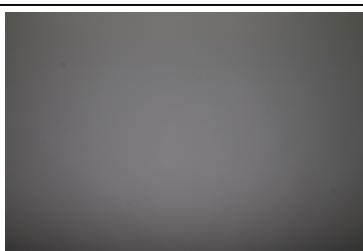
Efficiency 94 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM Asymmetric

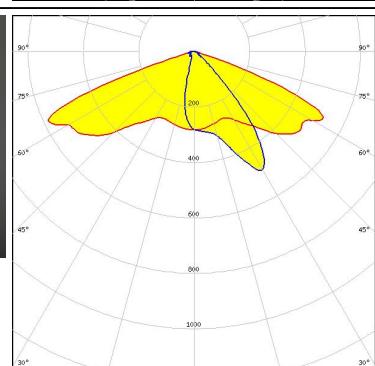
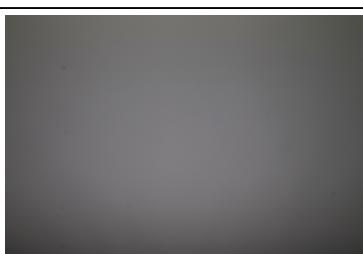
Efficiency 94 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



OSRAM

Opto Semiconductors

LED OSLON Square PC

FWHM / FWTM Asymmetric

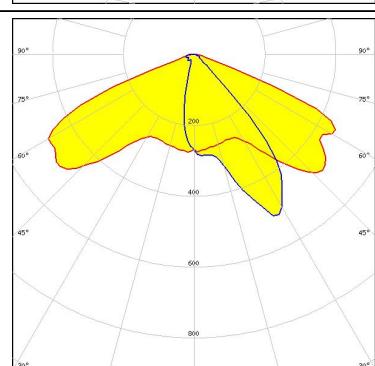
Efficiency 94 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4

FWHM / FWTM Asymmetric

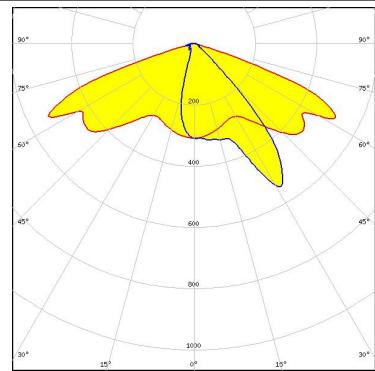
Efficiency 94 %

Peak intensity 0.9 cd/lm

LEDs/each optic 1

Light colour White

Required components:



PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+

FWHM / FWTM Asymmetric

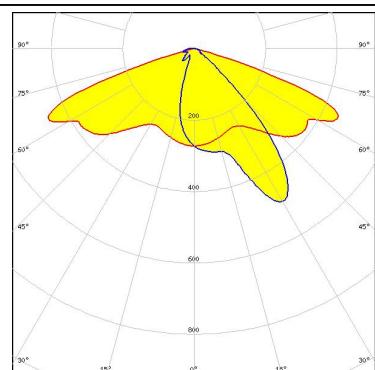
Efficiency 98 %

Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:



PHILIPS

LED Fortimo FastFlex LED 2x8 DA G5

FWHM / FWTM Asymmetric

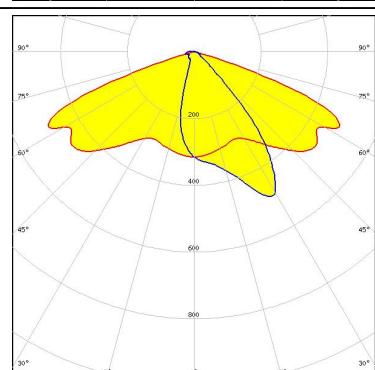
Efficiency 98 %

Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:



SAMSUNG

LED HiLOM RC12 Z (LH181B)

FWHM / FWTM Asymmetric

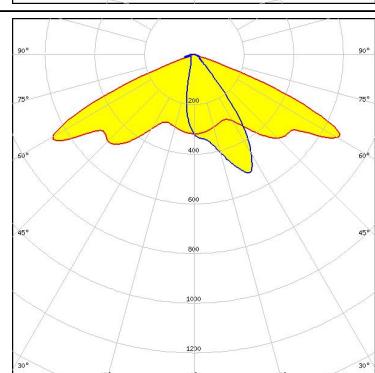
Efficiency 99 %

Peak intensity 0.9 cd/lm

LEDs/each optic 1

Light colour White

Required components:



PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED HiLOM RH16 (LH351C)

FWHM / FWTM Asymmetric

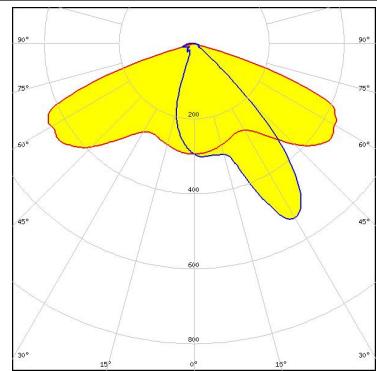
Efficiency 94 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



SAMSUNG

LED LH351B

FWHM / FWTM Asymmetric

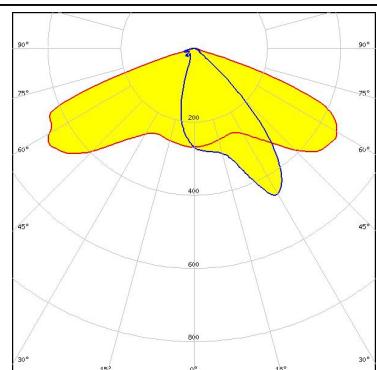
Efficiency 94 %

Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:



SAMSUNG

LED LH351D

FWHM / FWTM Asymmetric

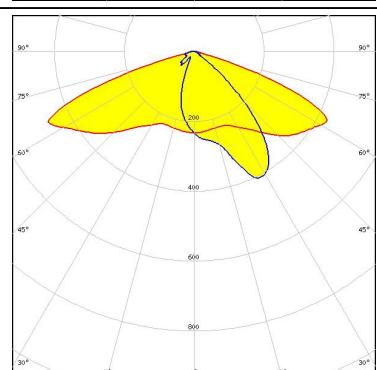
Efficiency 94 %

Peak intensity 0.6 cd/lm

LEDs/each optic 1

Light colour White

Required components:



SAMSUNG

LED LH351Z

FWHM / FWTM Asymmetric

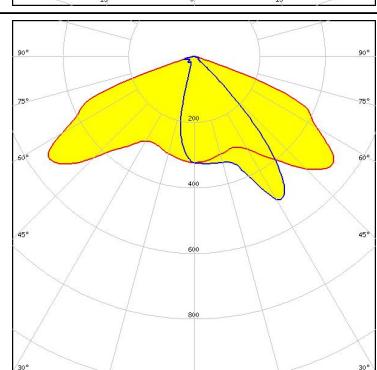
Efficiency 94 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



PHOTOMETRIC DATA (MEASURED):



LED LED-Pa-L15c2W11c2-xxx-C050-01

FWHM / FWTM Asymmetric

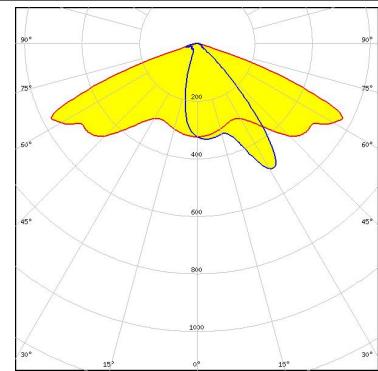
Efficiency 98 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



LED Acrich MJT 4040

FWHM / FWTM Asymmetric

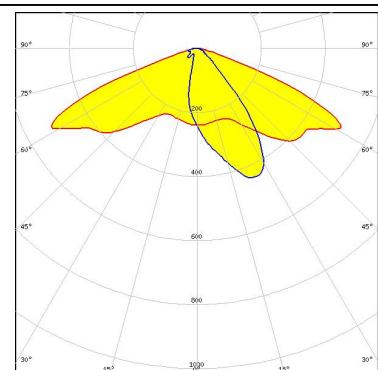
Efficiency 94 %

Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:



SEoul SEMICONDUCTOR

LED Z5

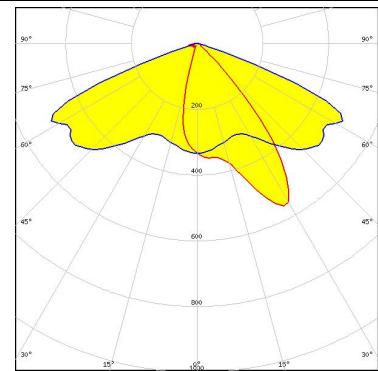
FWHM / FWTM Asymmetric

Efficiency 93 %

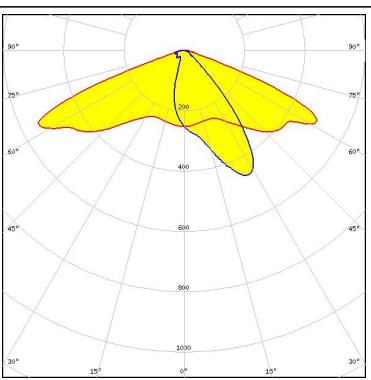
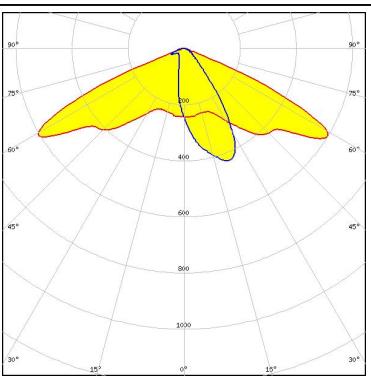
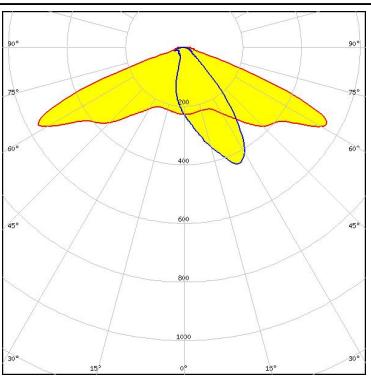
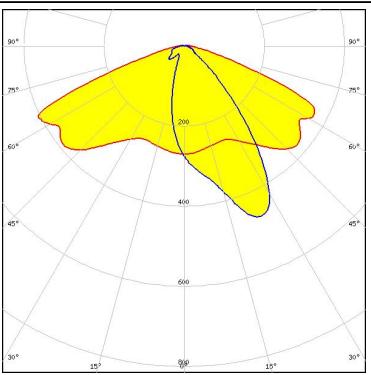
LEDs/each optic 1

Light colour White

Required components:



PHOTOMETRIC DATA (MEASURED):

<p>SEoul SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SEoul SEMICONDUCTOR</p> <p>LED Z8Y22</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SEoul SEMICONDUCTOR</p> <p>LED Z8Y22P</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>TOSHIBA Leading Innovation >></p> <p>LED TL1L3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

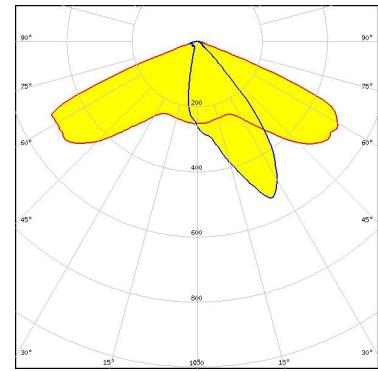
PHOTOMETRIC DATA (MEASURED):

TOSHIBA

Leading Innovation >>>

LED	TL1L4
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

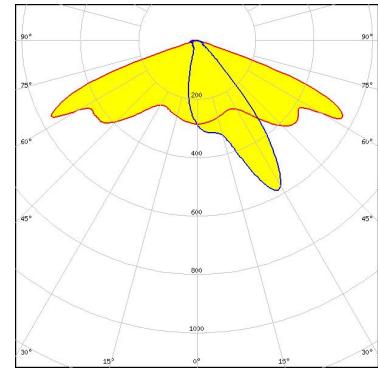
Required components:



TRIDONIC

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

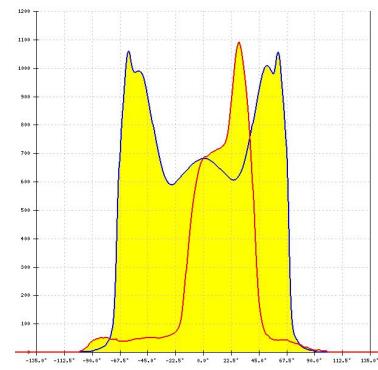
Required components:



TRIDONIC

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

Required components:



PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM / FWTM Asymmetric

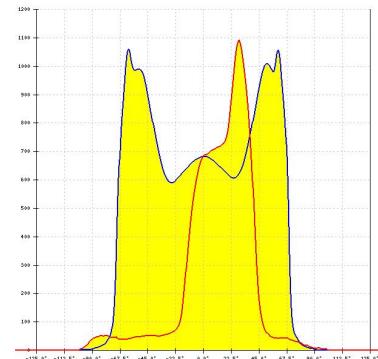
Efficiency 94 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD

FWHM / FWTM Asymmetric

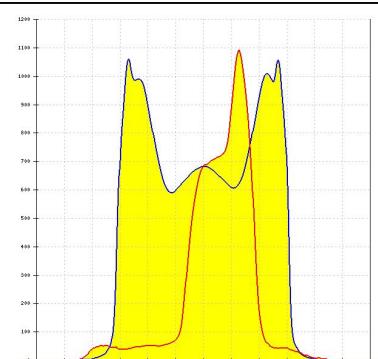
Efficiency 94 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM / FWTM Asymmetric

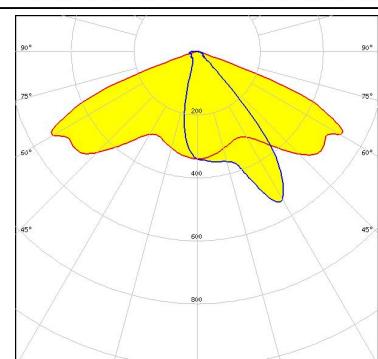
Efficiency 94 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

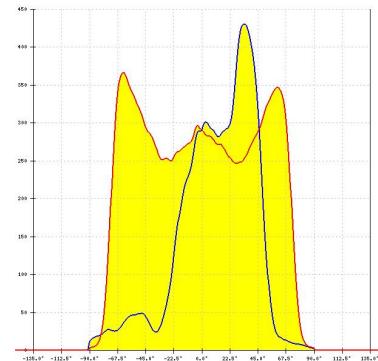
Required components:



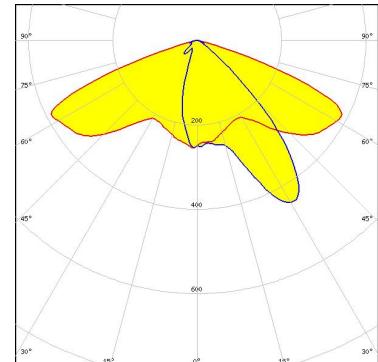
PHOTOMETRIC DATA (SIMULATED):



LED	XHP35 HD
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

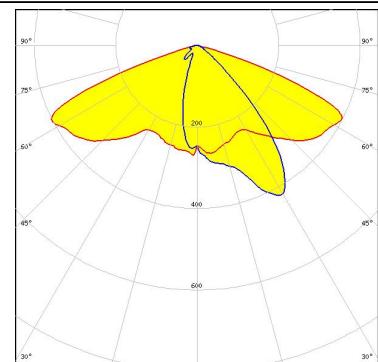


LED	XP-G2 HE
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

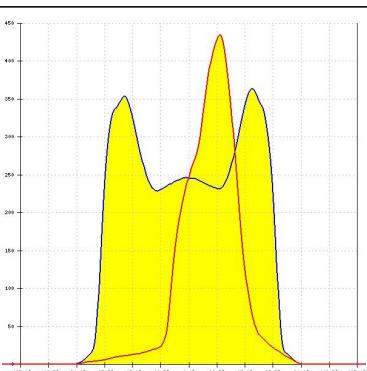
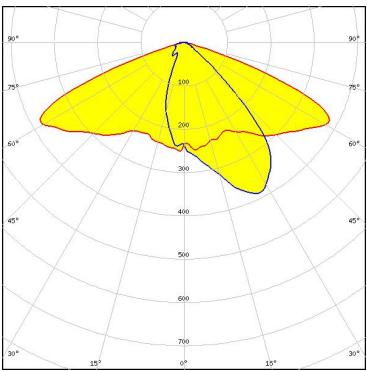
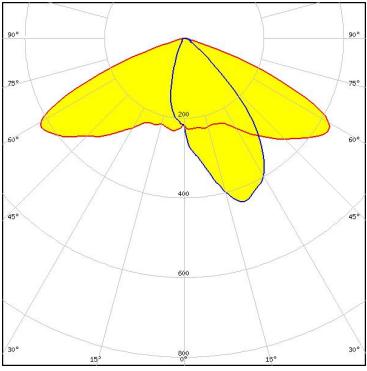
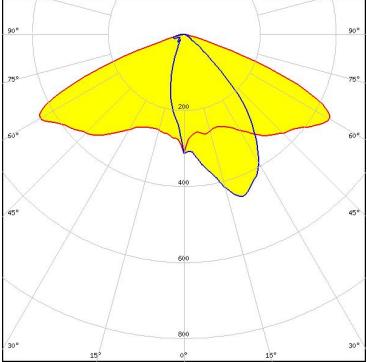
Protective plate, glass



LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	85 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass

PHOTOMETRIC DATA (SIMULATED):

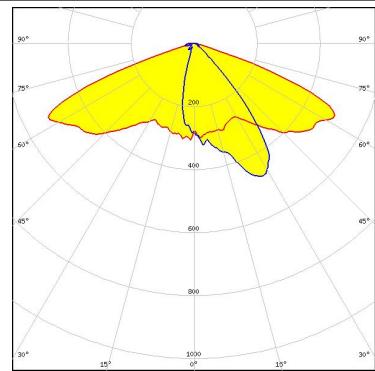
<p>CREE → LED</p> <p>LED XP-G3 FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: C17580_STRADA-2X2-SHD-WHT Protective plate, glass</p>	
<p>CREE → LED</p> <p>LED XP-L2 FWHM / FWTM Asymmetric Efficiency 85 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass</p>	
<p>LUMILEDS</p> <p>LED LUXEON 5050 Square LES FWHM / FWTM Asymmetric Efficiency 90 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: C17580_STRADA-2X2-SHD-WHT</p>	
<p>LUMILEDS</p> <p>LED LUXEON 5050 Square LES FWHM / FWTM Asymmetric Efficiency 96 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON V2
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

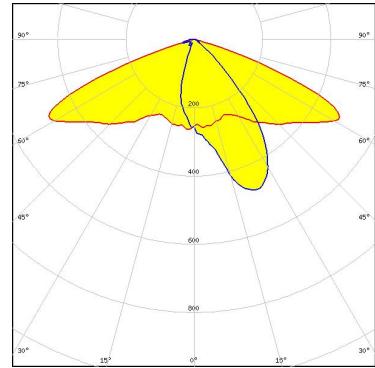
Required components:



NICHIA

LED	NV4WB35AM
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

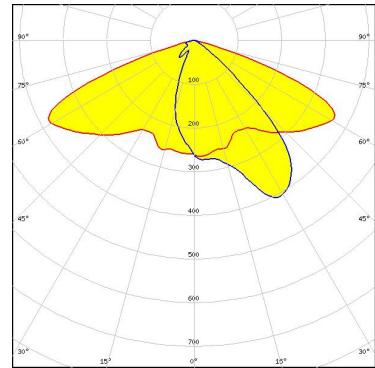


NICHIA

LED	NVSW519A
FWHM / FWTM	Asymmetric
Efficiency	87 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

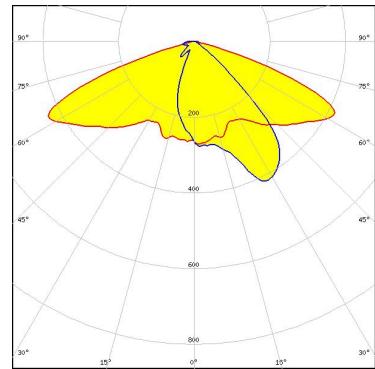
Protective plate, glass



NICHIA

LED	NVSW519A
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



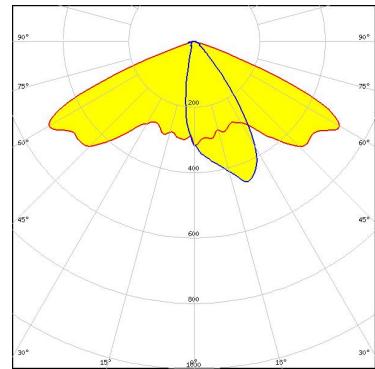
PHOTOMETRIC DATA (SIMULATED):



LED	NVSxE21A
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

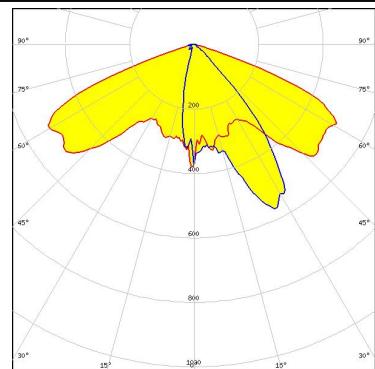


OSRAM

Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

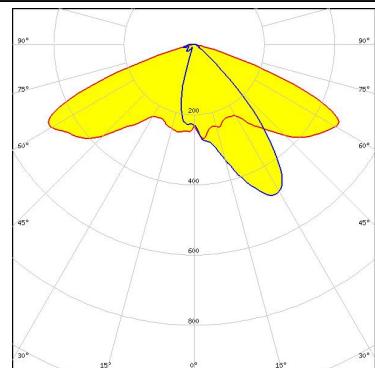


OSRAM

Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

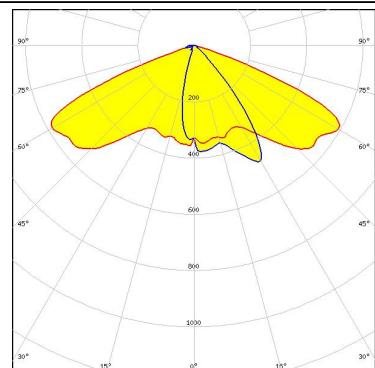


OSRAM

Opto Semiconductors

LED	OSCONIQ S 3030
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

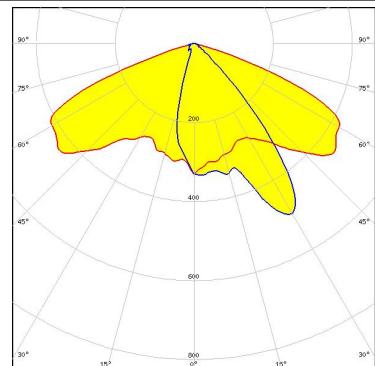


PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 87 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

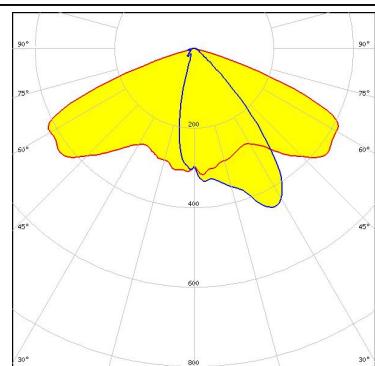
Protective plate, glass



OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 86 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

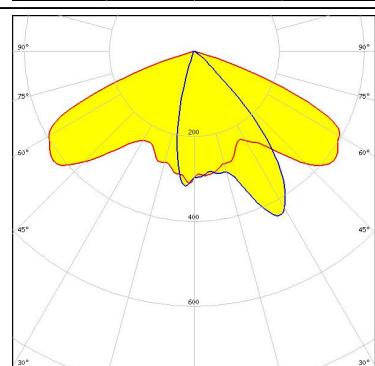


OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 78 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C17677_STRADA-2X2-SHD-BLK

Protective plate, glass

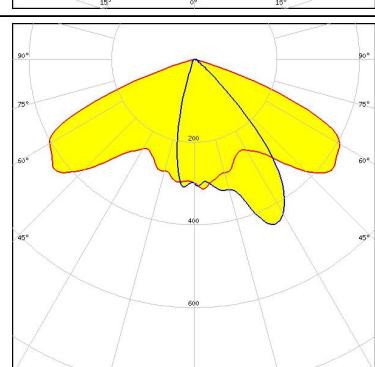


OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 81 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C17580_STRADA-2X2-SHD-WHT

Protective plate, glass



PHOTOMETRIC DATA (SIMULATED):

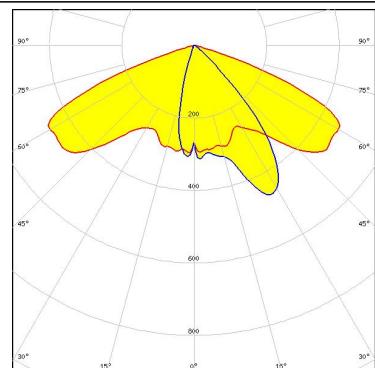
OSRAM

Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	87 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17677_STRADA-2X2-SHD-BLK



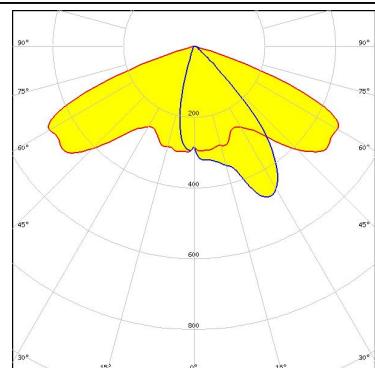
OSRAM

Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17580_STRADA-2X2-SHD-WHT



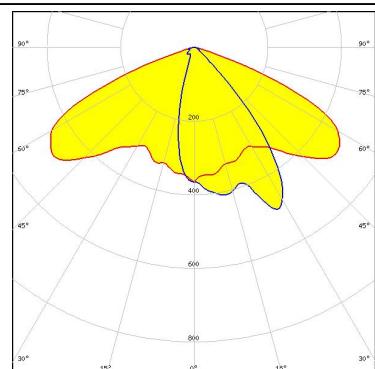
OSRAM

Opto Semiconductors

LED	OSLON Square PC
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

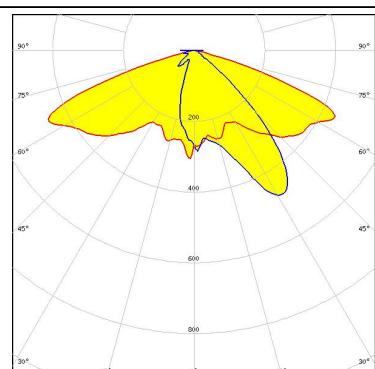
Protective plate, glass



PHILIPS

LED	Fortimo FastFlex LED 2x8 DAX G4
FWHM / FWTM	Asymmetric
Efficiency	94 %
LEDs/each optic	1
Light colour	White

Required components:

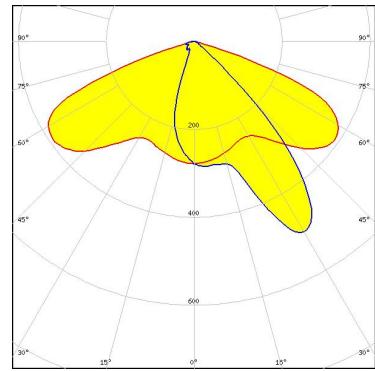


PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED HiLUM RH16 (LH351C)
 FWHM / FWTM Asymmetric
 Efficiency 87 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

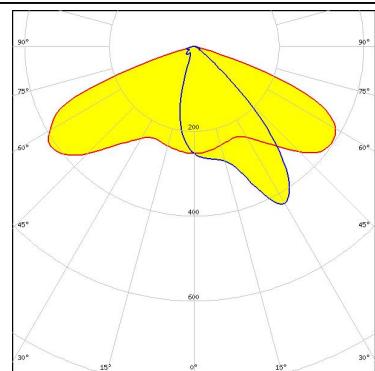
Protective plate, glass



SAMSUNG

LED LH351B
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

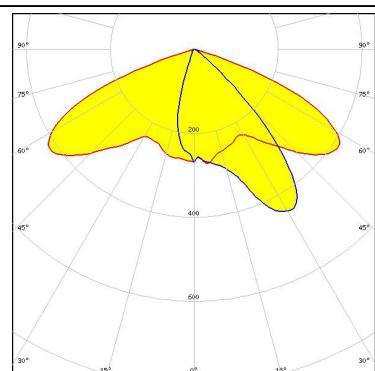


SAMSUNG

LED LH351C
 FWHM / FWTM Asymmetric
 Efficiency 81 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

C17580_STRADA-2X2-SHD-WHT

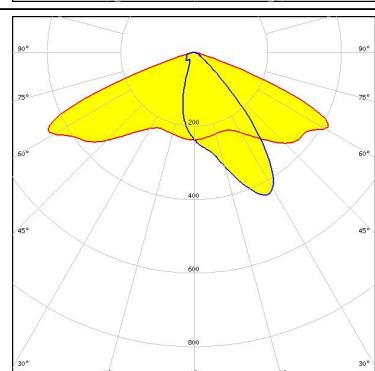
Protective plate, glass



 SEOUL SEMICONDUCTOR

LED Z5M3
 FWHM / FWTM Asymmetric
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



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:

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

**Ledil Optics Technology
(Shenzhen) Co., Ltd.**
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

**Local sales and technical
support**
[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)