

STRADA-2X2-T2

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

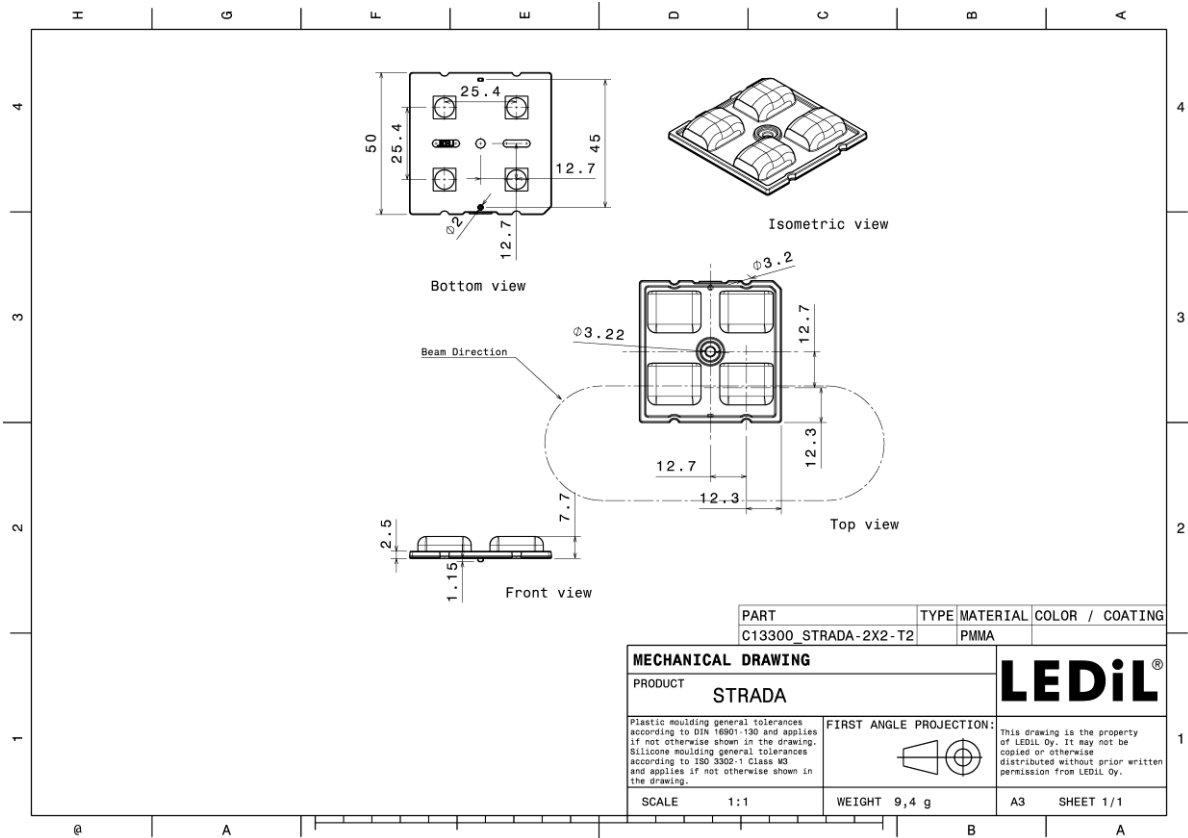
TECHNICAL SPECIFICATIONS:

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 ⓘ



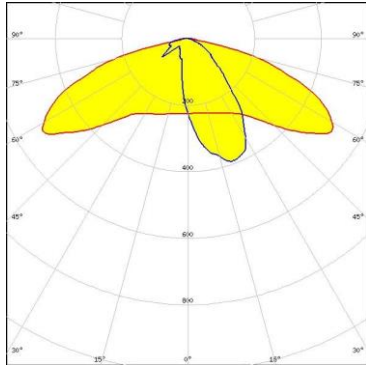

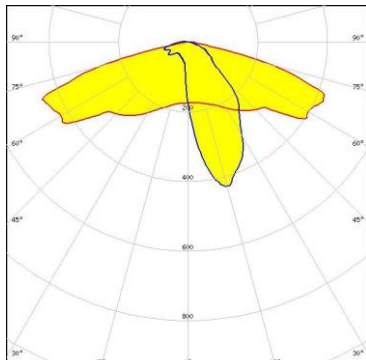

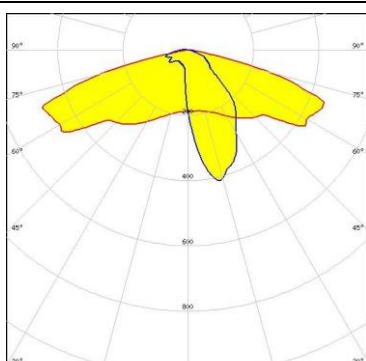

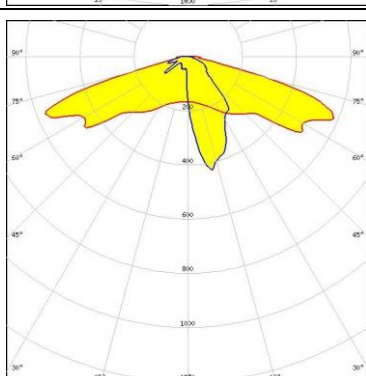


MATERIAL SPECIFICATIONS:

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



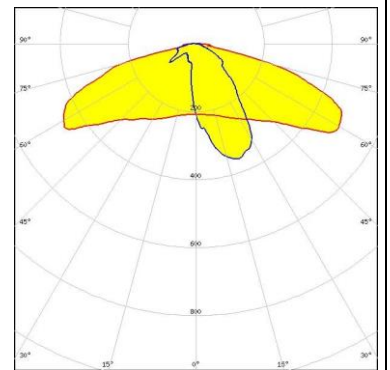
PHOTOMETRIC DATA (MEASURED):

<p> LED Bridgelux SMD 5050 FWHM Asymmetric Efficiency 94 % Peak intensity 0.700 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p> 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:</p>		
<p> 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:</p>		
<p> LED XB-D FWHM Asymmetric Efficiency 94 % Peak intensity 1.100 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

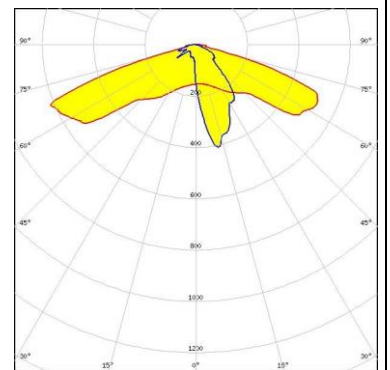
CREE

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



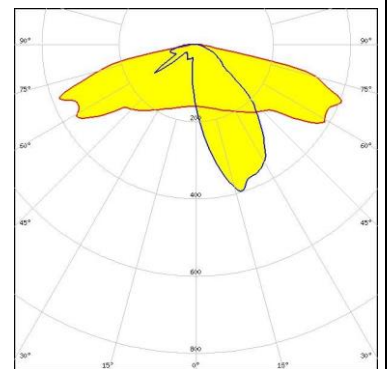
CREE

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



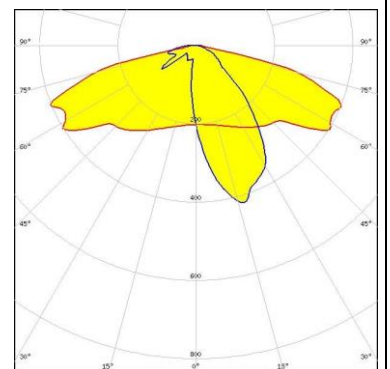
CREE

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



CREE

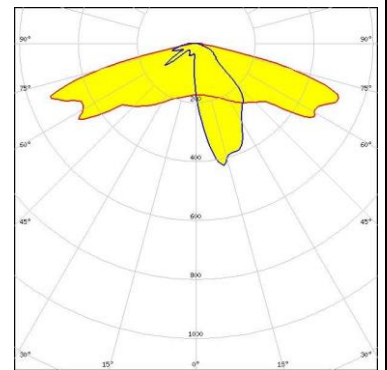
LED XM-L2
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

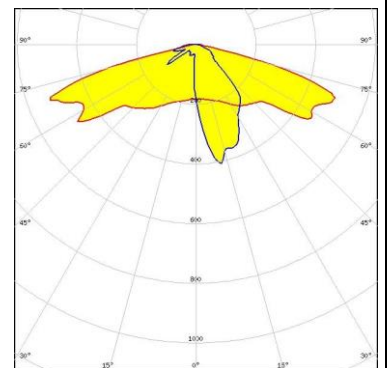
CREE

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



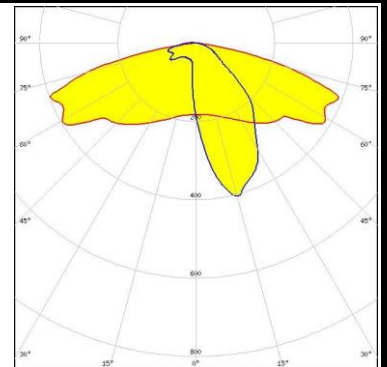
CREE

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



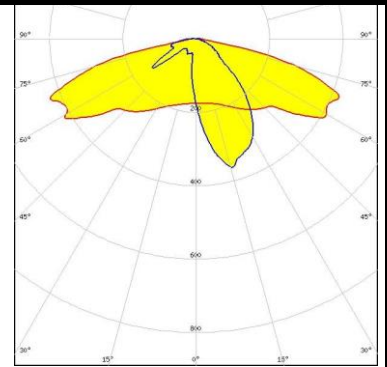
CREE

LED XP-G3 HE
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.839 cd/m
 LEDs/each optic 1
 Light colour Whit
 e Required components:



CREE

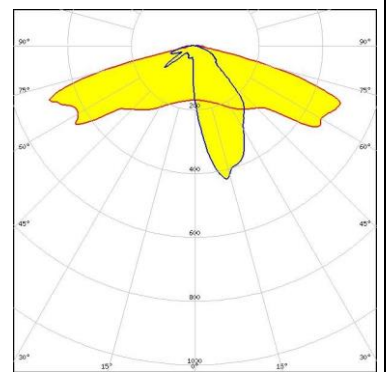
LED XP-L HD
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.830 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

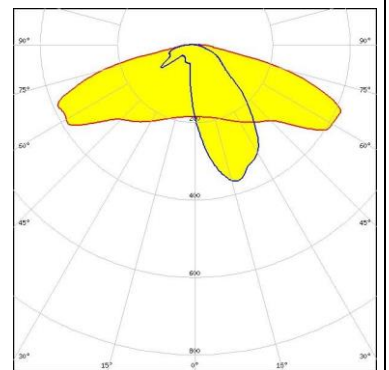
CREE ⇄

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



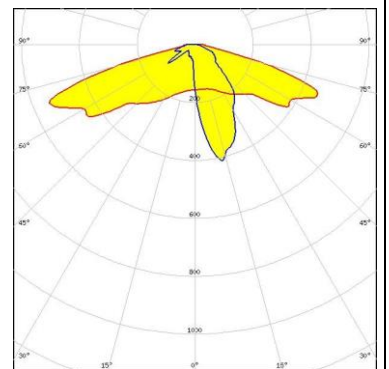
CREE ⇄

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



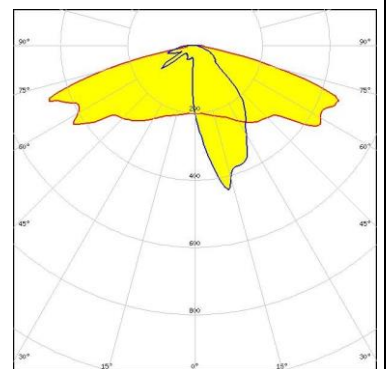
CREE ⇄

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



LG Innotek

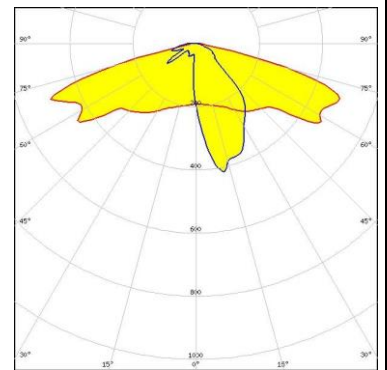
LED H35C0 (LEMWA33)
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

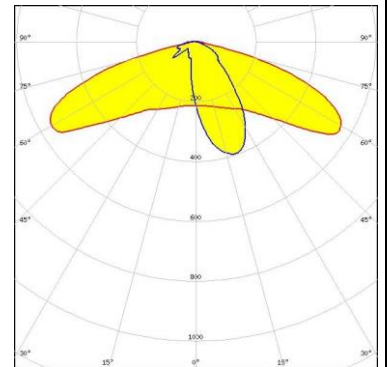
LG Innotek

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



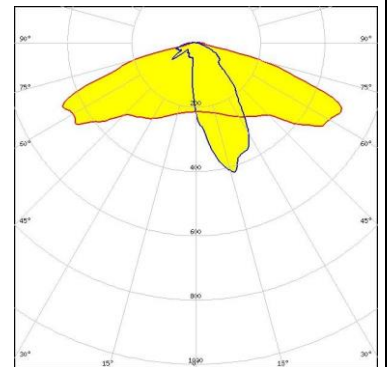
LUMILEDS

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



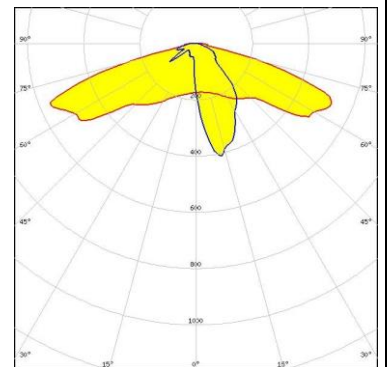
LUMILEDS

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



LUMILEDS

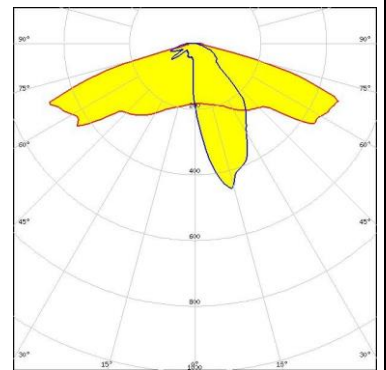
LED LUXEON Q
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

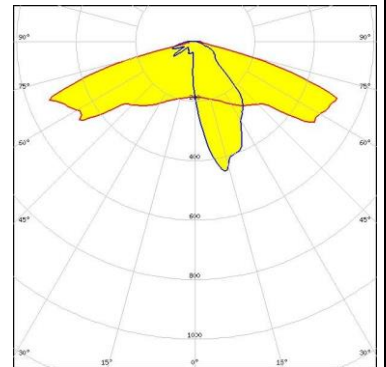
LUMILEDS

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



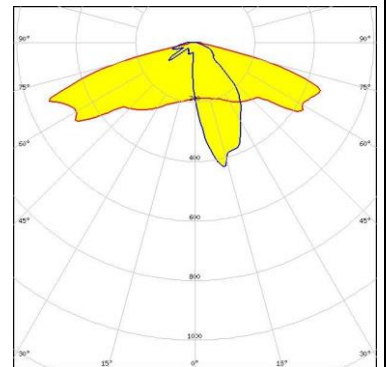
LUMILEDS

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



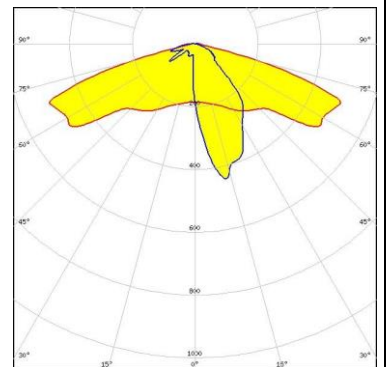
LUMILEDS

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



LUMILEDS

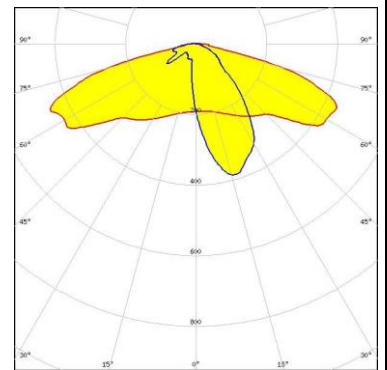
LED LUXEON TX
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

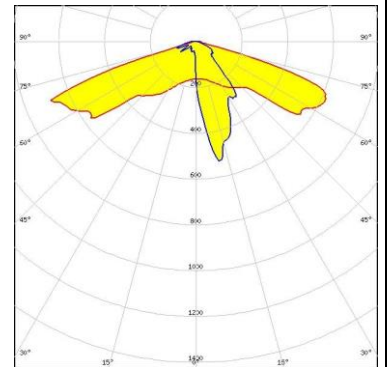
LUMILEDS

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



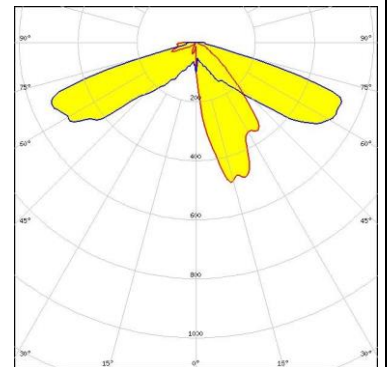
LUMILEDS

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



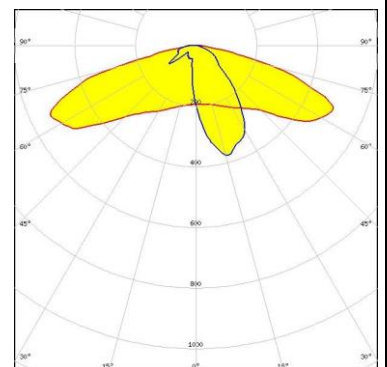
NICHIA

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



NICHIA

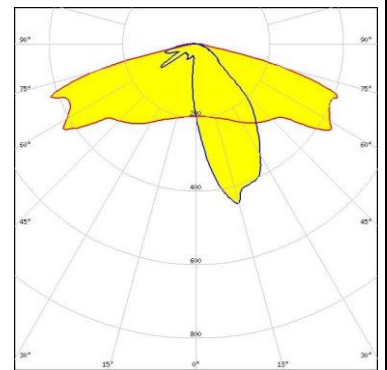
LED NS9x383
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



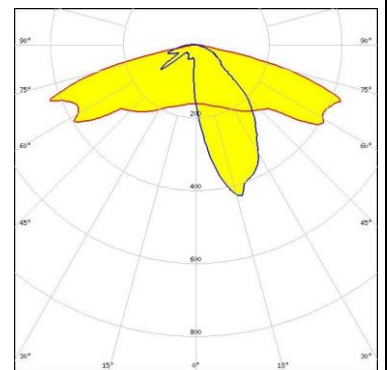
PHOTOMETRIC DATA (MEASURED):



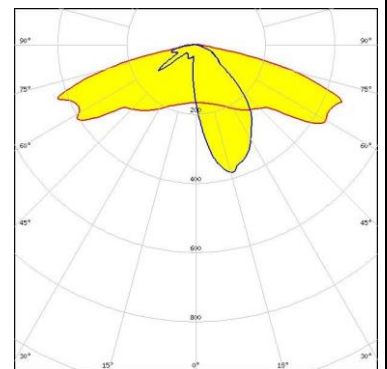
LED NVSW219D
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.920 cd/lm
LEDs/each optic 1
Light colour White
Required components:



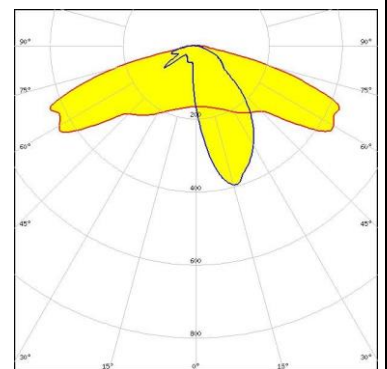
LED NVSW219F
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



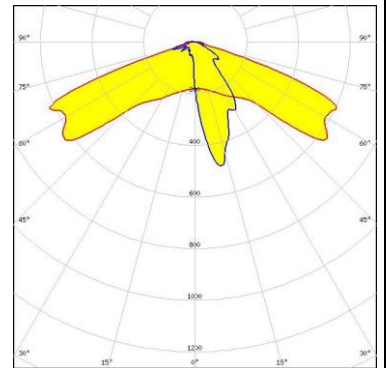
LED NVSW3x9A
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.960 cd/lm
LEDs/each optic 1
Light colour White
Required components:



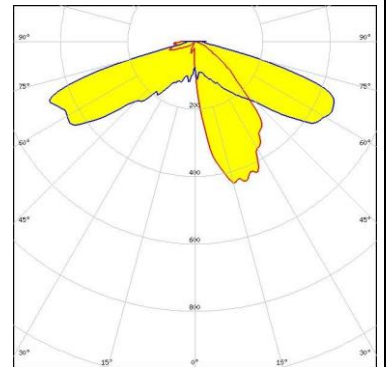
PHOTOMETRIC DATA (MEASURED):



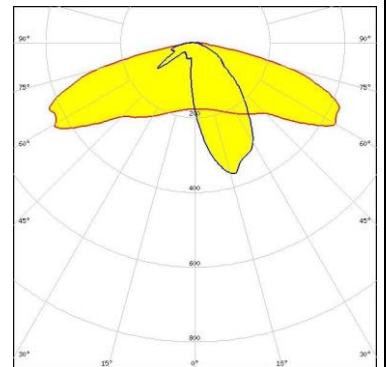
LED NVSxE21A
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.480 cd/lm
LEDs/each optic 1
Light colour White
Required components:



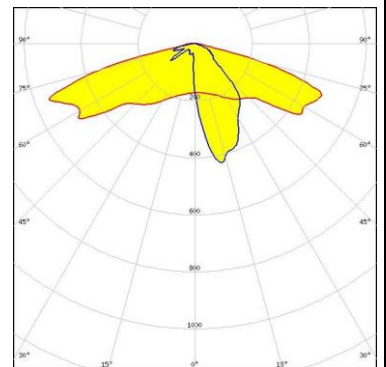
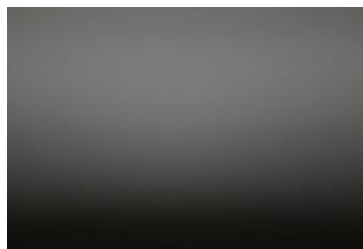
LED NVSxx19A
FWHM Asymmetric
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



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

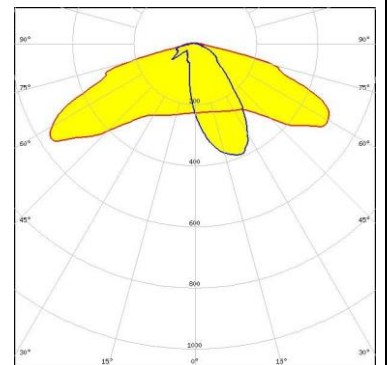


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

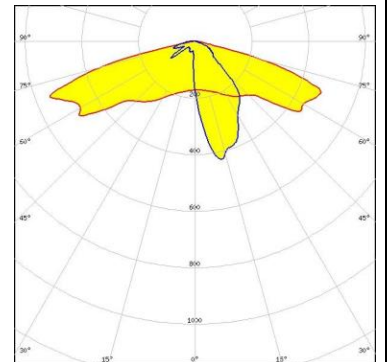
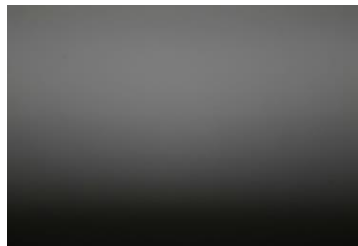
LED Duris S8
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.740 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

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

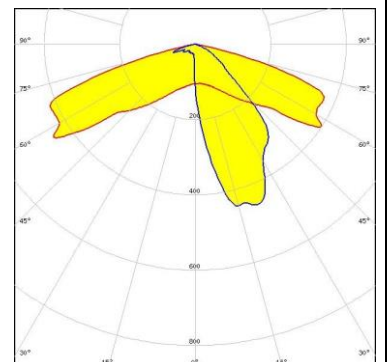


OSRAM

Opto Semiconductors

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

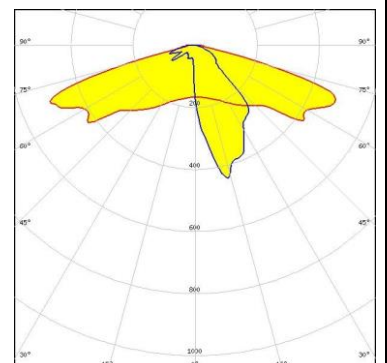
Transparent protective cover



OSRAM

Opto Semiconductors

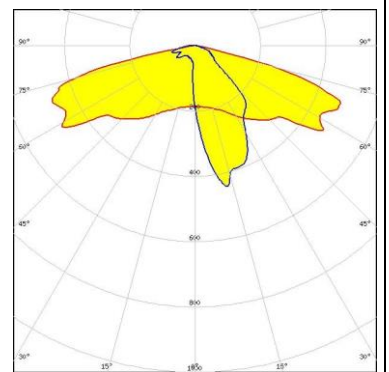
LED OSLO Square PC
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

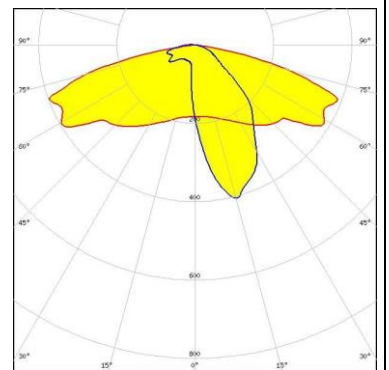
PHILIPS

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:



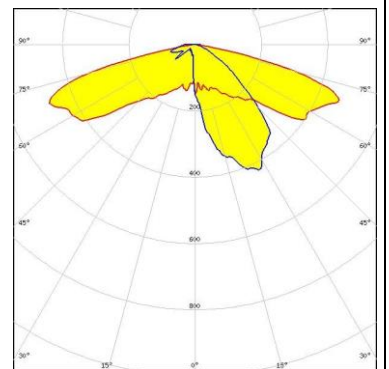
PHILIPS

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:



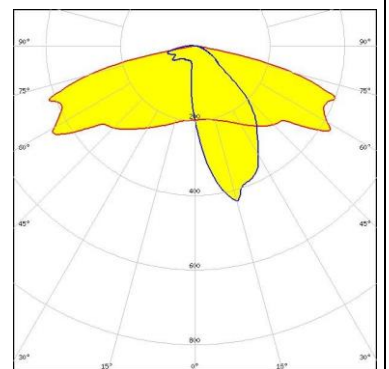
PHILIPS

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

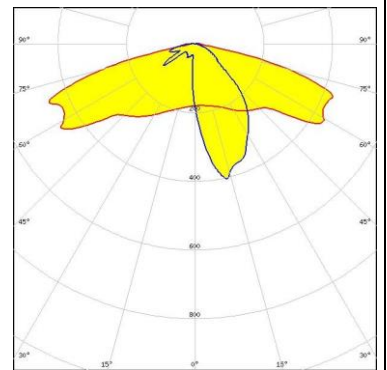
LED HiLOM RH16 (LH351C)
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.890 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

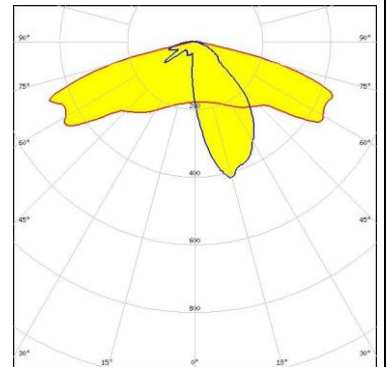
SAMSUNG

LED LH351B
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.950 cd/m
LEDs/each optic 1
Light colour White
Required components:



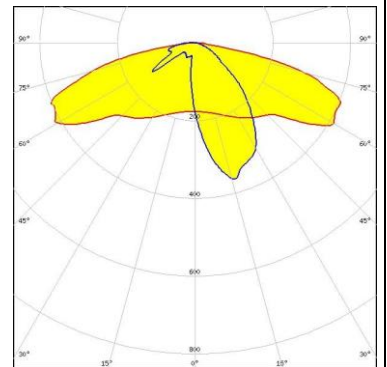
SAMSUNG

LED LH351C
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.960 cd/m
LEDs/each optic 1
Light colour White
Required components:



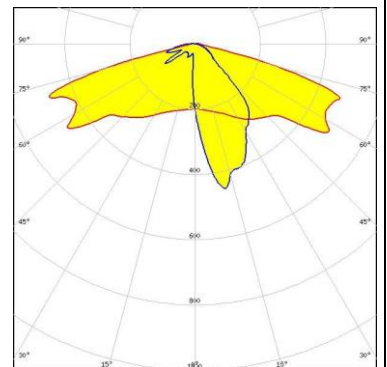
SAMSUNG

LED LH351D
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.780 cd/m
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

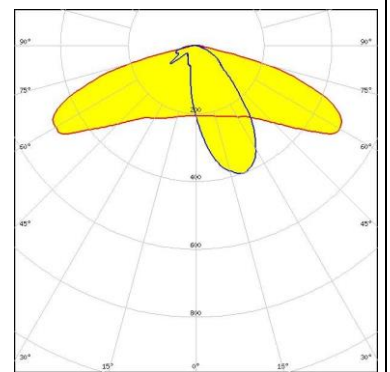
LED LH351Z
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.000 cd/m
LEDs/each optic 1
Light colour White
Required components:



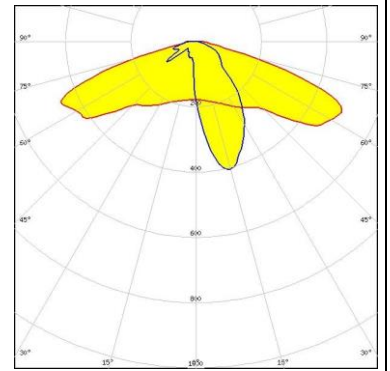
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

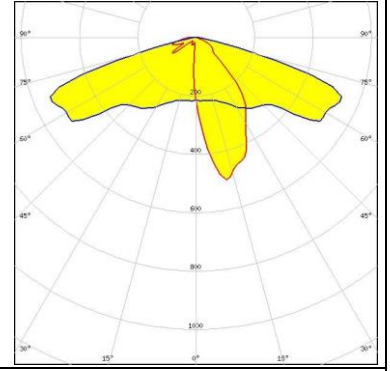
LED LH508A
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.750 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



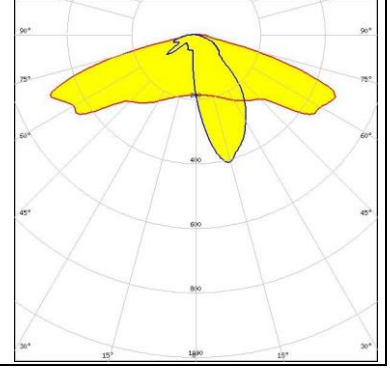
SEOUL SEMICONDUCTOR
 LED Acrich MJT 4040
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




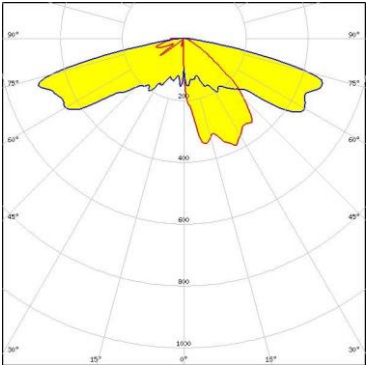


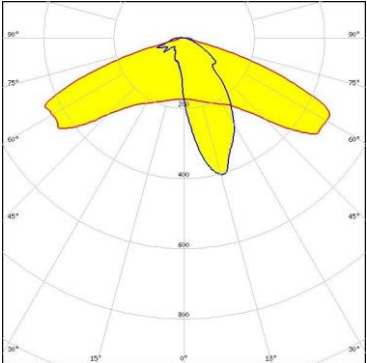

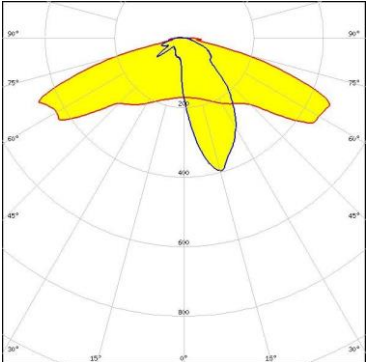
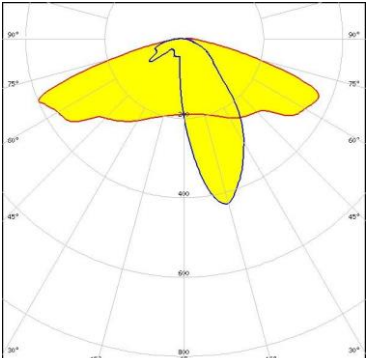
SEOUL SEMICONDUCTOR
 LED Z5M1/Z5M2
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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



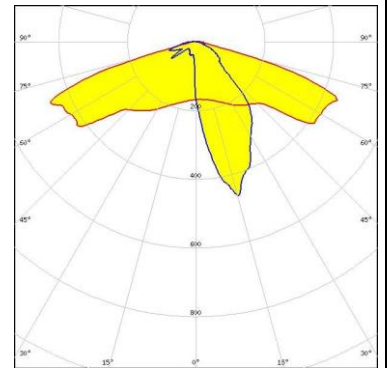
PHOTOMETRIC DATA (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5P FWHM Asymmetric Efficiency % Peak intensity cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM Asymmetric Efficiency 94 % Peak intensity 1.100 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P FWHM Asymmetric Efficiency 94 % Peak intensity 0.960 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>TOSHIBA Leading Innovation >>></p> <p>LED TL1L3 FWHM Asymmetric Efficiency 94 % Peak intensity 0.790 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

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:

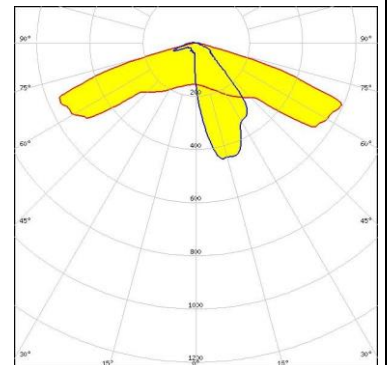


TRIDONIC

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:

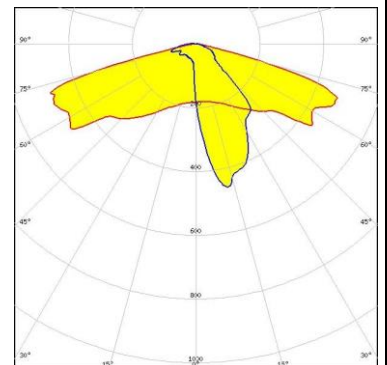
TRIDONIC

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

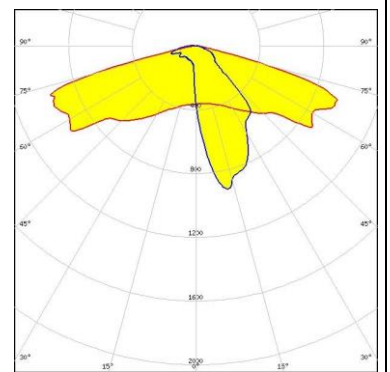
LED RLE G1 49x121mm 2000lm xxx EXC OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

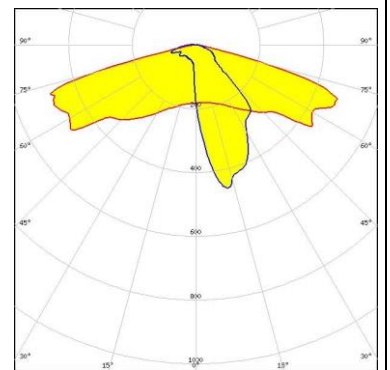
TRIDONIC

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:



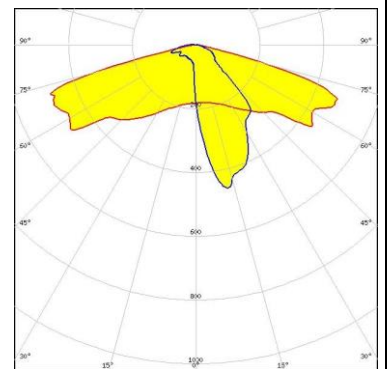
TRIDONIC

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

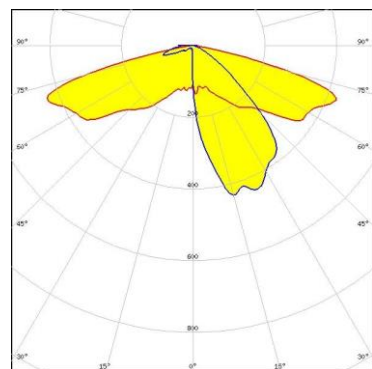
LED RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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

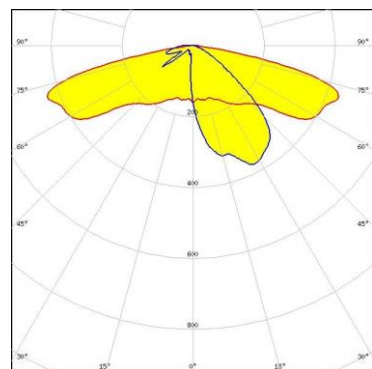
LED XHP35 HD
FWHM Asymmetric
Efficiency 90 %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE

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

CREE

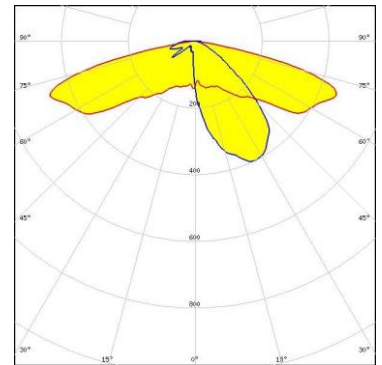
LED XP-G2 HE
FWHM Asymmetric
Efficiency 92 %
Peak intensity 0.681 cd/lm
LEDs/each optic 1
Light colour White
Required components:



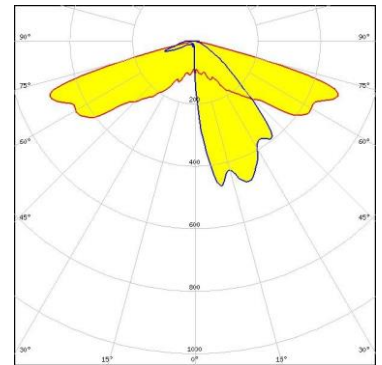
PHOTOMETRIC DATA (SIMULATED):



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

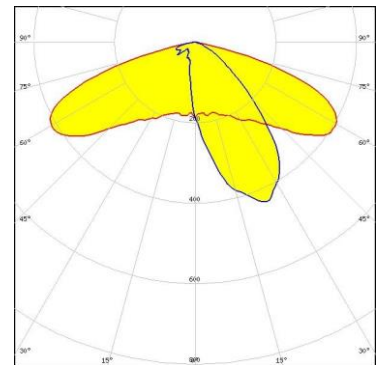


LED XQ-E HD
 FWHM Asymmetric
 Efficiency 93 %
 Peak intensity 0.952 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

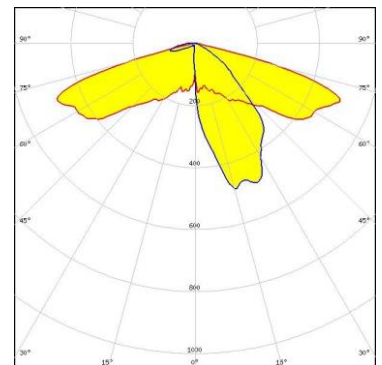


LED LUXEON 5050 Round LES
 FWHM Asymmetric
 Efficiency 86 %
 Peak intensity 0.620 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Transparent protective cover



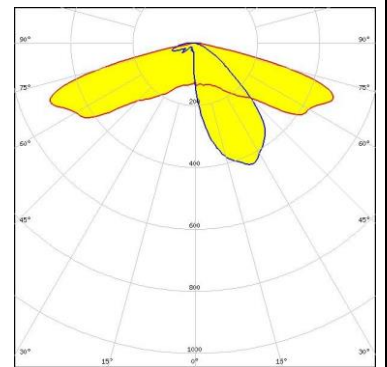
LED LUXEON H50-2
 FWHM Asymmetric
 Efficiency %
 Peak intensity cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



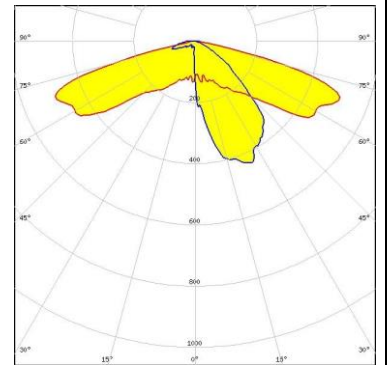
PHOTOMETRIC DATA (SIMULATED):



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

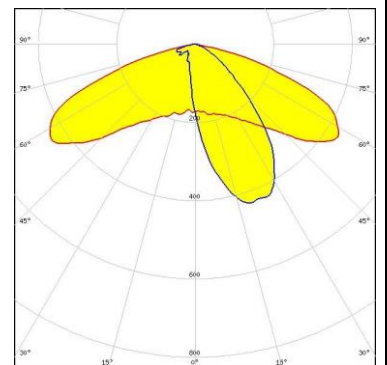


LED NVSxx19B/NVSxx19C
FWHM Asymmetric
Efficiency 93 %
Peak intensity 0.893 cd/lm
LEDs/each optic 1
Light colour White
Required components:

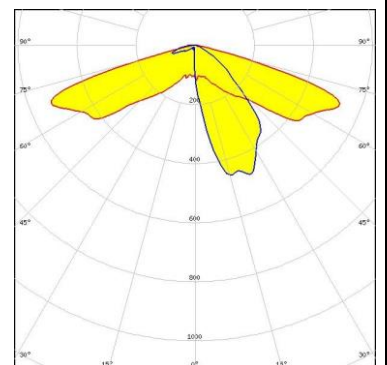


LED Duris S8
FWHM Asymmetric
Efficiency 86 %
Peak intensity 0.650 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Transparent protective cover



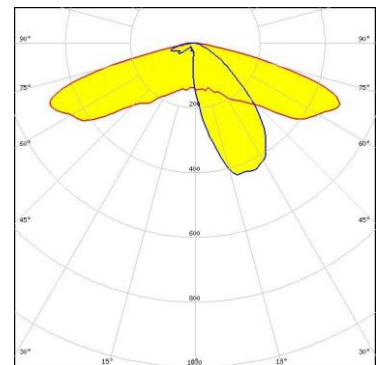
LED OSCONIQ P 3737 (2W version)
FWHM Asymmetric
Efficiency 92 %
Peak intensity 0.910 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

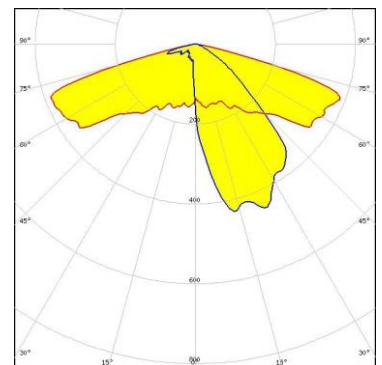
OSRAM
Opto Semiconductors

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 OSOLON Square PC
 FWHM Asymmetric
 Efficiency 87 %
 Peak intensity 0.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

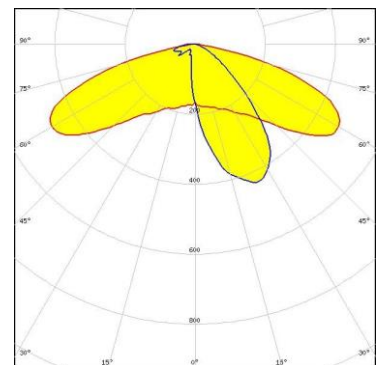


Transparent protective cover

SEOUL

SEOUL SEMICONDUCTOR

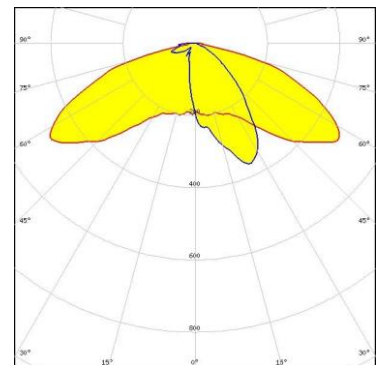
LED SEOUL DC 5050 6V
 FWHM Asymmetric
 Efficiency 95 %
 Peak intensity 0.649 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL

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):



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

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)