

## STRADA-2X2-LM1

Excellent longitudinal luminance uniformity for EN13201 M-class where road width is  $\geq$  the pole height.

### SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	7.1 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

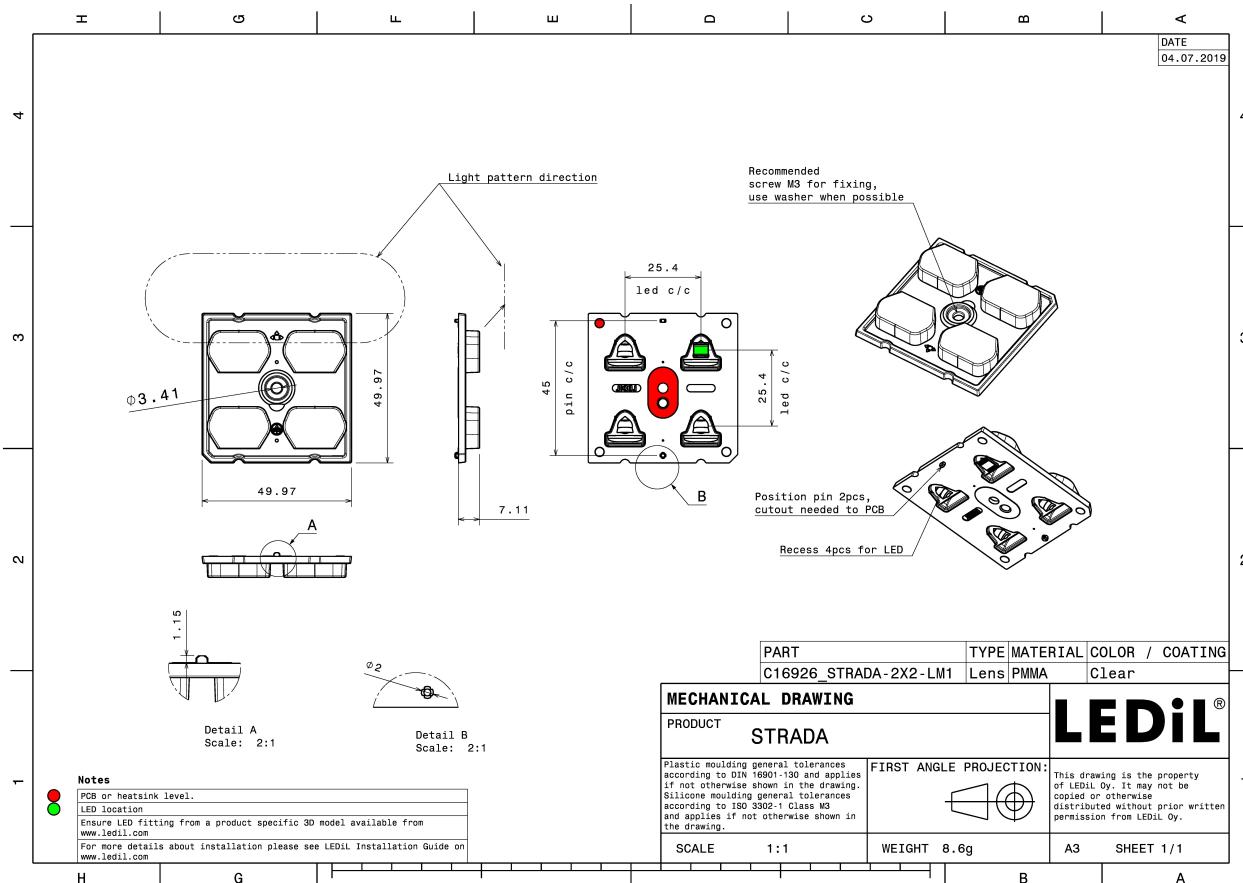


### MATERIALS:

Component	Type	Material	Colour	Finish
STRADA-2X2-LM1	Multi-lens	PMMA	clear	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16926_STRADA-2X2-LM1	800	160	160	7.7
» Box size: 480 x 280 x 300 mm				



See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



LED J Series 5050 Round LES

FWHM / FWTM Asymmetric

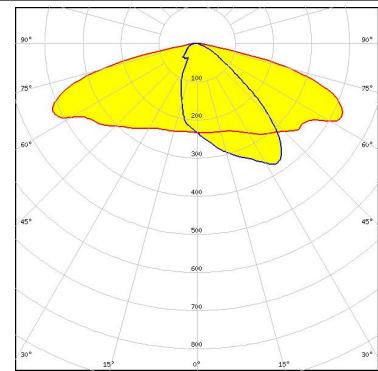
Efficiency 96 %

Peak intensity 0.6 cd/lm

LEDs/each optic 1

Light colour White

Required components:



LED XP-G3

FWHM / FWTM Asymmetric

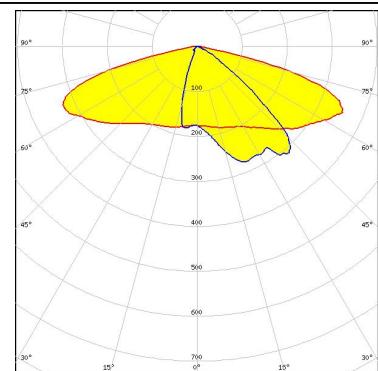
Efficiency 78 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



LED XP-G3

FWHM / FWTM Asymmetric

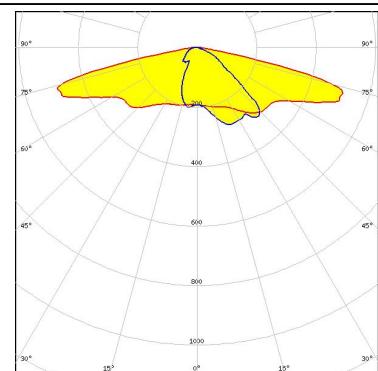
Efficiency 97 %

Peak intensity 0.9 cd/lm

LEDs/each optic 1

Light colour White

Required components:



LED XP-G3

FWHM / FWTM Asymmetric

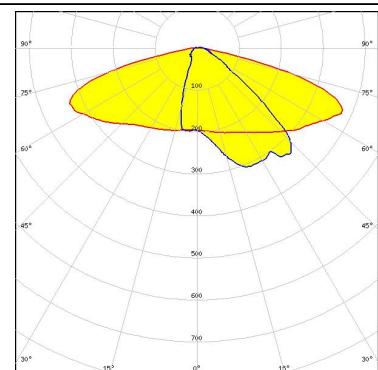
Efficiency 89 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



### OPTICAL RESULTS (MEASURED):

#### LUMILEDS

LED LUXEON 5050 Round LES

FWHM / FWTM Asymmetric

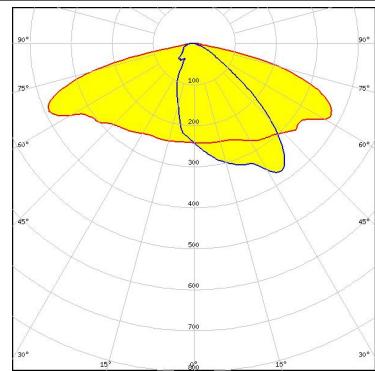
Efficiency 96 %

Peak intensity 0.6 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

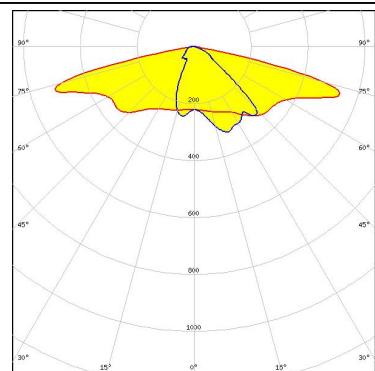
Efficiency 97 %

Peak intensity 1 cd/lm

LEDs/each optic 1

Light colour White

Required components:



#### OSRAM

Opto Semiconductors

LED Duris S8

FWHM / FWTM Asymmetric

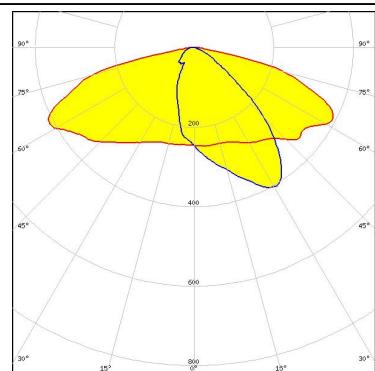
Efficiency 97 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour White

Required components:



#### OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM Asymmetric

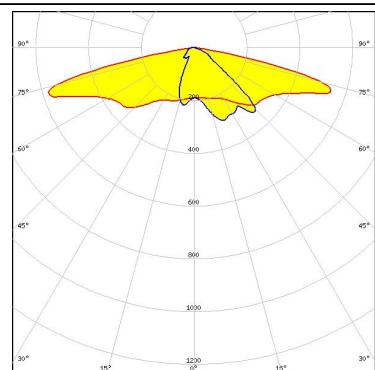
Efficiency 95 %

Peak intensity 1 cd/lm

LEDs/each optic 1

Light colour White

Required components:



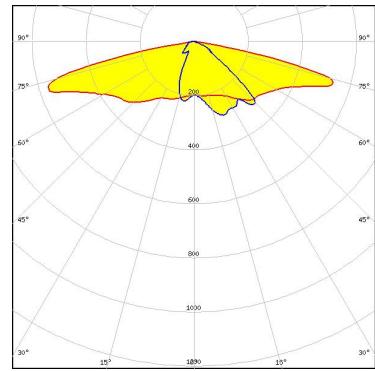
### OPTICAL RESULTS (MEASURED):

#### OSRAM

Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

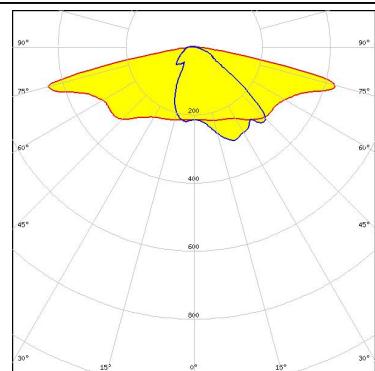
Required components:



#### PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G4+
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

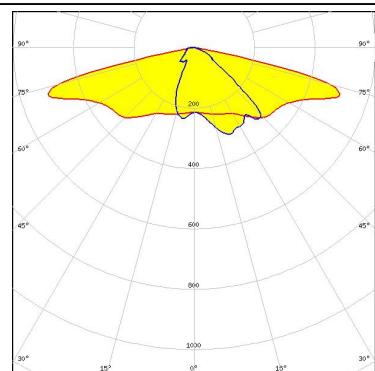
Required components:



#### PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G5
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

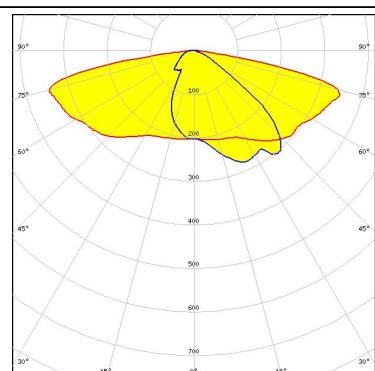
Required components:



#### SAMSUNG

LED	LH351D
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

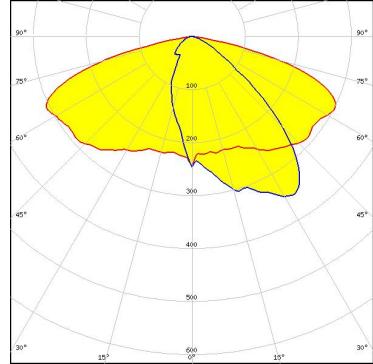


### OPTICAL RESULTS (SIMULATED):



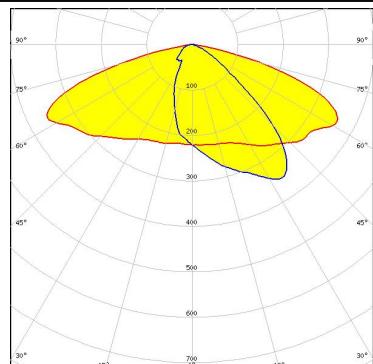
**LED** Bridgelux SMD 5050  
**FWHM / FWTM** Asymmetric  
**Efficiency** 82 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**

Protective plate, glass

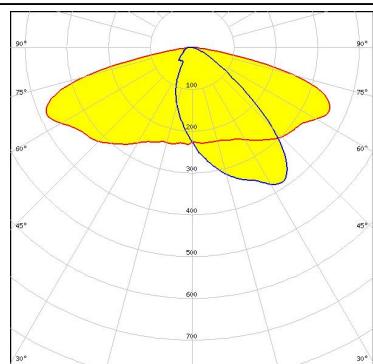


**LED** J Series 5050 Round LES  
**FWHM / FWTM** Asymmetric  
**Efficiency** 84 %  
**Peak intensity** 0.5 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**

Protective plate, glass

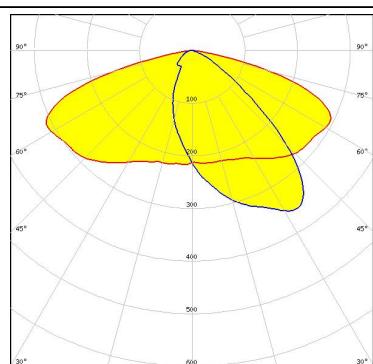


**LED** J Series 5050B 6V K Class  
**FWHM / FWTM** Asymmetric  
**Efficiency** 95 %  
**Peak intensity** 0.5 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** J Series 5050B 6V K Class  
**FWHM / FWTM** Asymmetric  
**Efficiency** 82 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**

Protective plate, glass



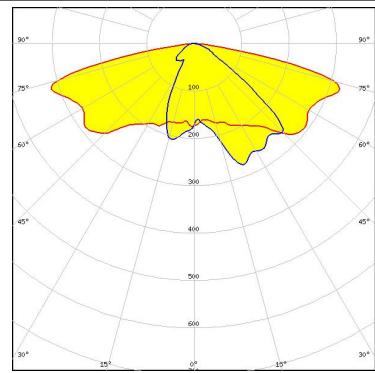
### OPTICAL RESULTS (SIMULATED):



LED	XP-G
FWHM / FWTM	Asymmetric
Efficiency	81 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

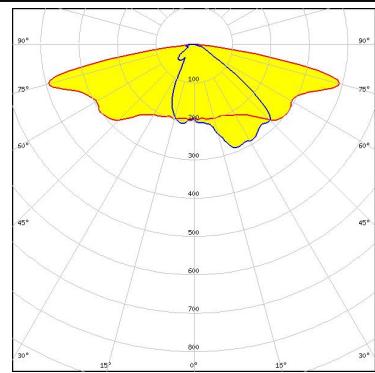
Required components:

Protective plate, glass



LED	XP-G2 HE
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

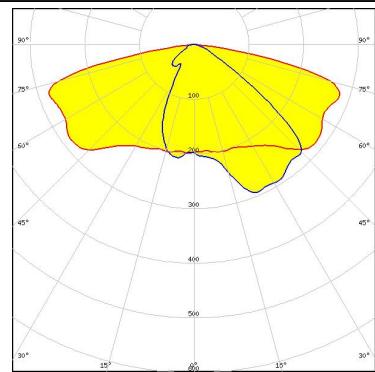
Required components:



LED	XP-G2 HE
FWHM / FWTM	Asymmetric
Efficiency	83 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

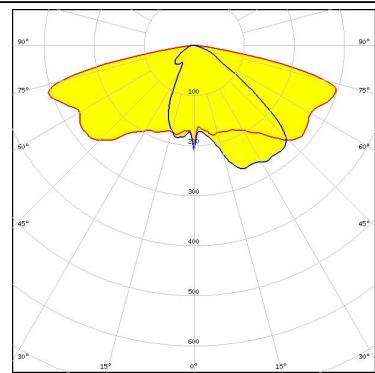
Protective plate, glass



LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	80 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



### OPTICAL RESULTS (SIMULATED):

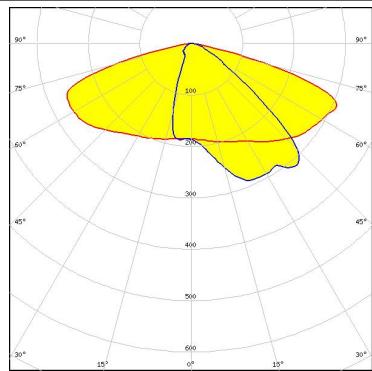


LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

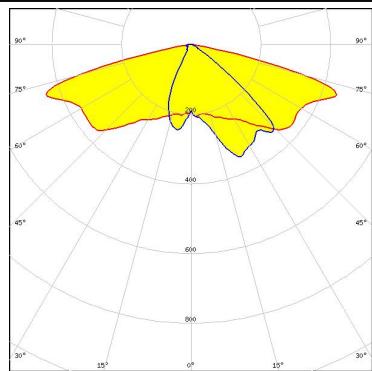
C17580\_STRADA-2X2-SHD-WHT

Protective plate, glass



LED	XP-G4
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

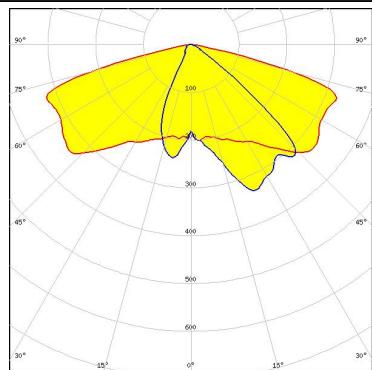
Required components:



LED	XP-G4
FWHM / FWTM	Asymmetric
Efficiency	83 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

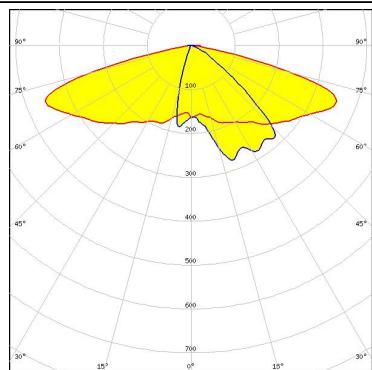
Protective plate, glass



LED	XT-E
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17677\_STRADA-2X2-SHD-BLK



### OPTICAL RESULTS (SIMULATED):

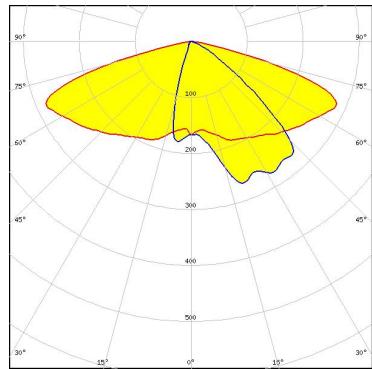


LED	XT-E
FWHM / FWTM	Asymmetric
Efficiency	68 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

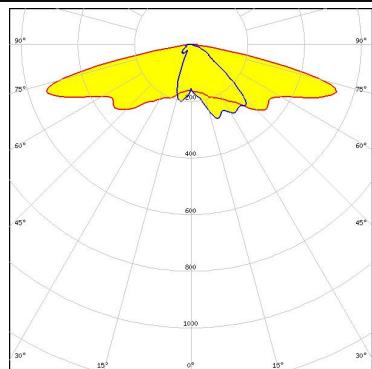
C17677\_STRADA-2X2-SHD-BLK

Protective plate, glass



LED	XT-E
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

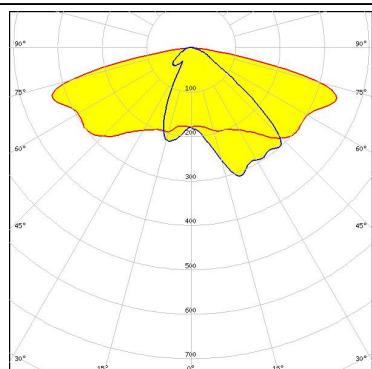
Required components:



LED	XT-E HE
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

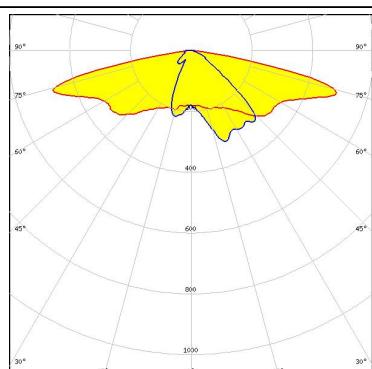
Required components:

Protective plate, glass



LED	XT-E HE
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



### OPTICAL RESULTS (SIMULATED):

#### LUMILEDS

LED LUXEON 5050 HE

FWHM / FWTM Asymmetric

Efficiency 82 %

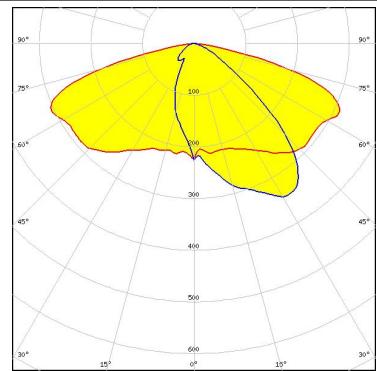
Peak intensity 0.4 cd/lm

LEDs/each optic 1

Light colour White

Required components:

Protective plate, glass



#### LUMILEDS

LED LUXEON 5050 Round LES

FWHM / FWTM Asymmetric

Efficiency 82 %

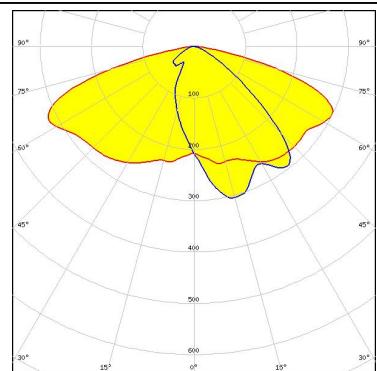
Peak intensity 0.4 cd/lm

LEDs/each optic 1

Light colour White

Required components:

Protective plate, glass



#### LUMILEDS

LED LUXEON 5050 Square LES

FWHM / FWTM Asymmetric

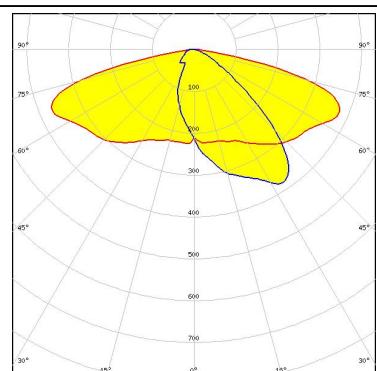
Efficiency 95 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour White

Required components:



#### LUMILEDS

LED LUXEON 5050 Square LES

FWHM / FWTM Asymmetric

Efficiency 68 %

Peak intensity 0.4 cd/lm

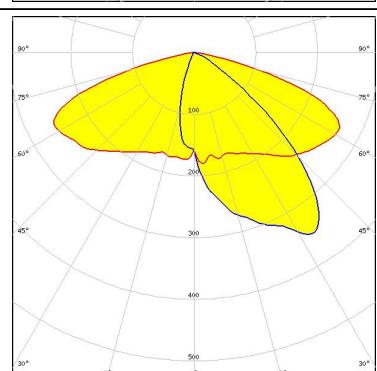
LEDs/each optic 1

Light colour White

Required components:

C17677\_STRADA-2X2-SHD-BLK

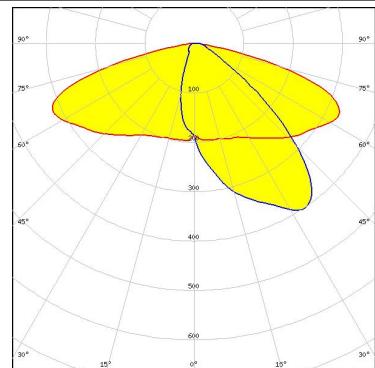
Protective plate, glass



### OPTICAL RESULTS (SIMULATED):

#### LUMILEDS

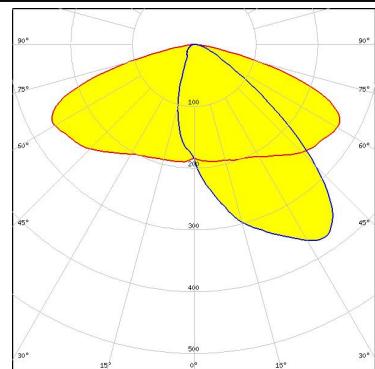
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 87 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C17580\_STRADA-2X2-SHD-WHT



#### LUMILEDS

LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 76 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C17580\_STRADA-2X2-SHD-WHT

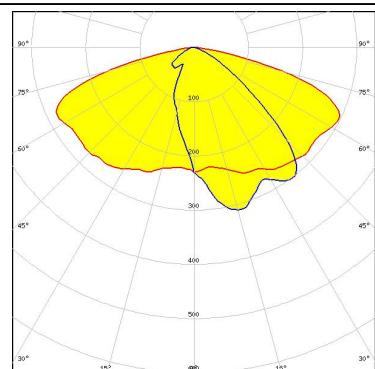
Protective plate, glass



#### LUMILEDS

LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

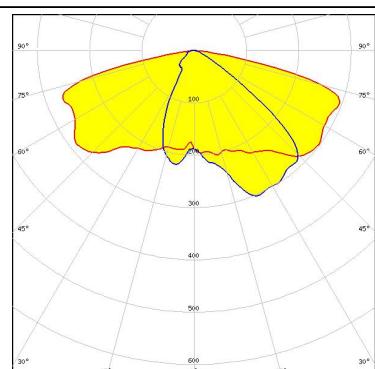
Protective plate, glass



#### LUMILEDS

LED LUXEON HL2X  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass

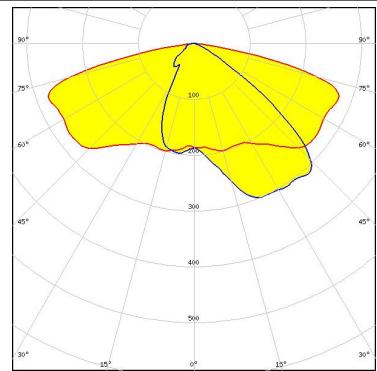


### OPTICAL RESULTS (SIMULATED):

#### LUMILEDS

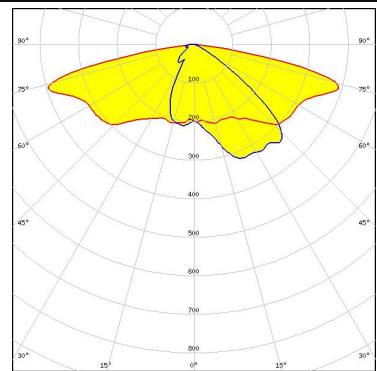
LED LUXEON HL2X-D  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



#### LUMILEDS

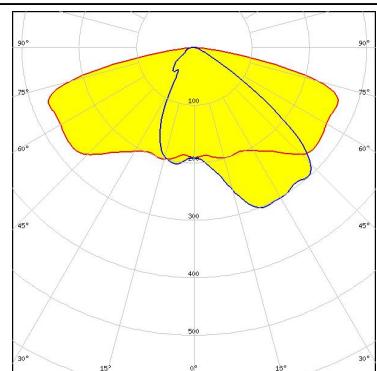
LED LUXEON HL2X-D  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### LUMILEDS

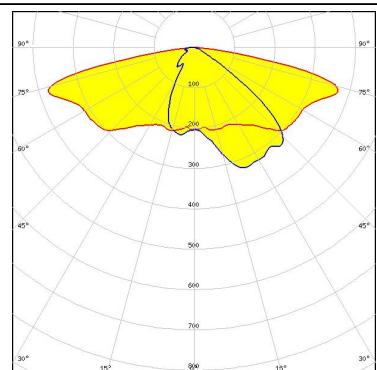
LED LUXEON HL2X-P  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



#### LUMILEDS

LED LUXEON HL2X-P  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

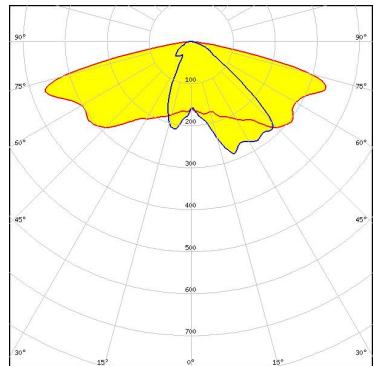


### OPTICAL RESULTS (SIMULATED):

#### LUMILEDS

LED LUXEON TX  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

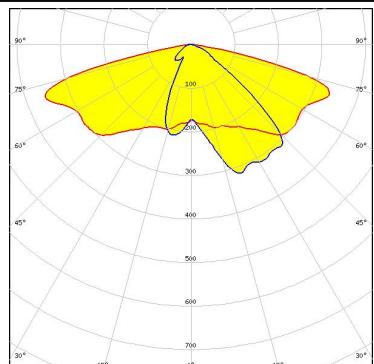
Protective plate, glass



#### LUMILEDS

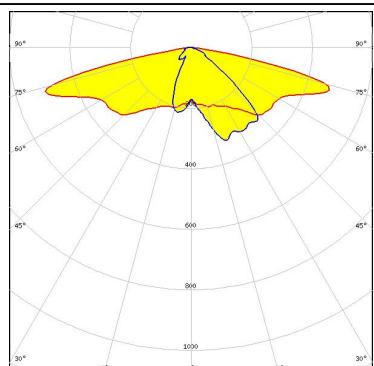
LED LUXEON V2  
 FWHM / FWTM Asymmetric  
 Efficiency 84 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



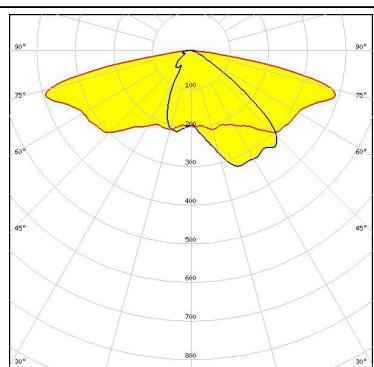
#### LUMILEDS

LED LUXEON V2  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### LUMILEDS

LED LUXEON XR-HL2X (L2H2-xxxxxxMLU010)  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



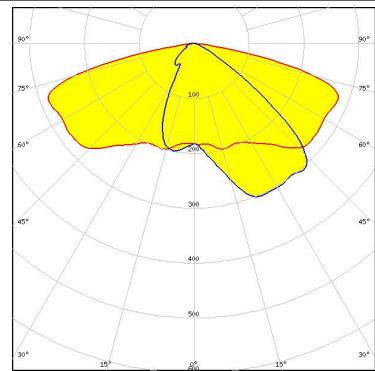
### OPTICAL RESULTS (SIMULATED):

#### LUMILEDS

LED	LUXEON XR-HL2X (L2H2-xxxxxxMLU010)
FWHM / FWTM	Asymmetric
Efficiency	82 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

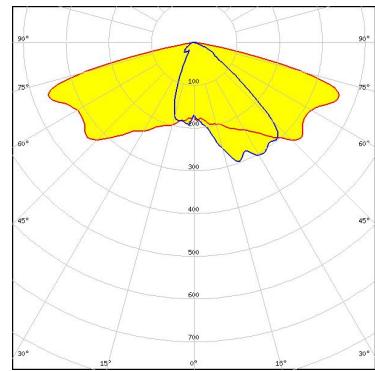


#### NICHIA

LED	NFSx757G
FWHM / FWTM	Asymmetric
Efficiency	81 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

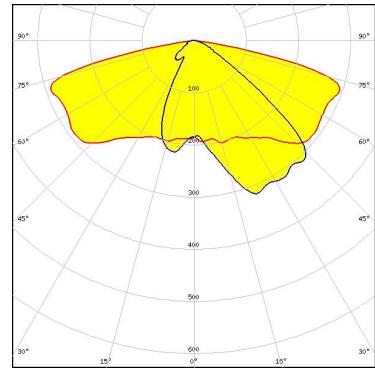


#### NICHIA

LED	NVSW219F
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

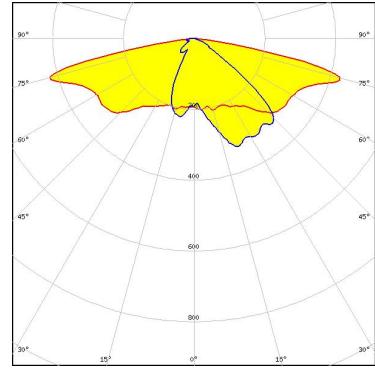
Protective plate, glass



#### NICHIA

LED	NVSW219F
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



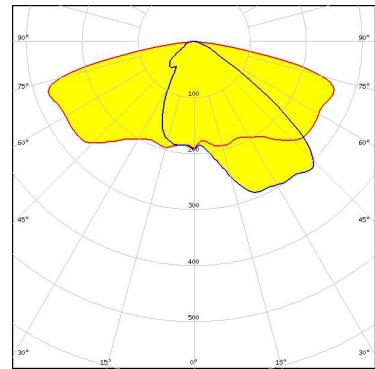
### OPTICAL RESULTS (SIMULATED):



LED	NVSW519A
FWHM / FWTM	Asymmetric
Efficiency	83 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

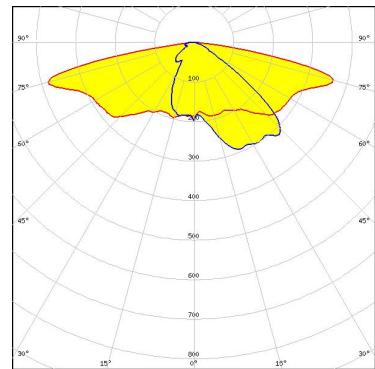
Required components:

Protective plate, glass



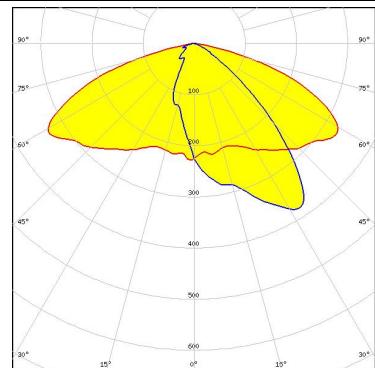
LED	NVSW519A
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



LED	NVSxE21A
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.5 cd/lm
LEDs/each optic	4
Light colour	White

Required components:



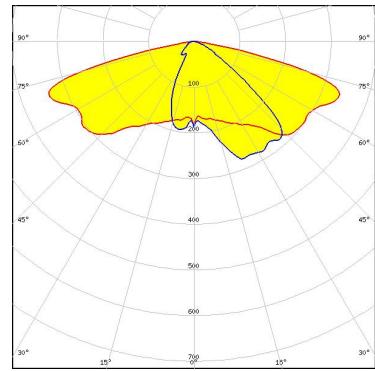
### OPTICAL RESULTS (SIMULATED):



LED	NVSxx19B/NVSxx19C
FWHM / FWTM	Asymmetric
Efficiency	80 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

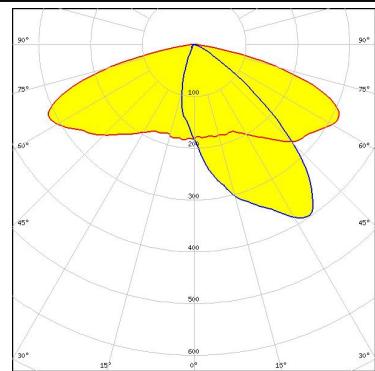


### OSRAM

LED	Duris S8
FWHM / FWTM	Asymmetric
Efficiency	79 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17677\_STRADA-2X2-SHD-BLK

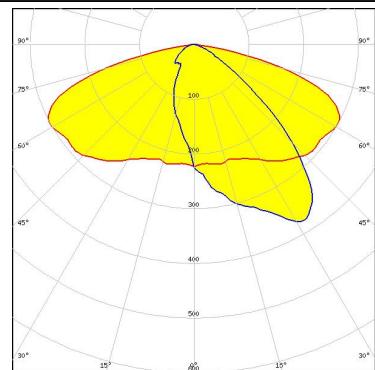


### OSRAM

LED	Duris S8
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

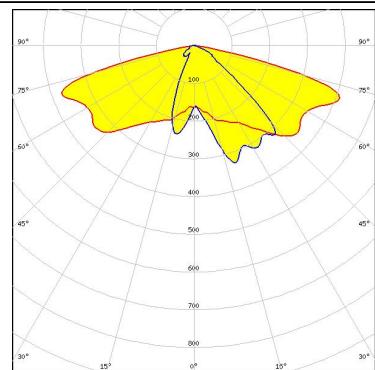


### OSRAM

LED	OSCONIQ C 2424
FWHM / FWTM	Asymmetric
Efficiency	85 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



### OPTICAL RESULTS (SIMULATED):

#### OSRAM

Opto Semiconductors

LED OSONIQ C 2424

FWHM / FWTM Asymmetric

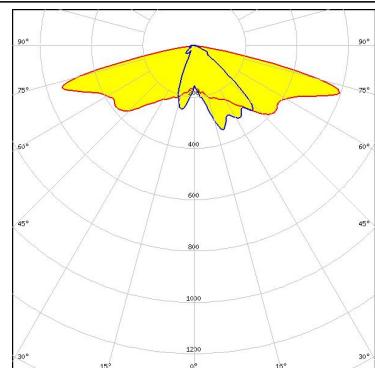
Efficiency 96 %

Peak intensity 0.9 cd/lm

LEDs/each optic 1

Light colour White

Required components:



#### OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM Asymmetric

Efficiency 85 %

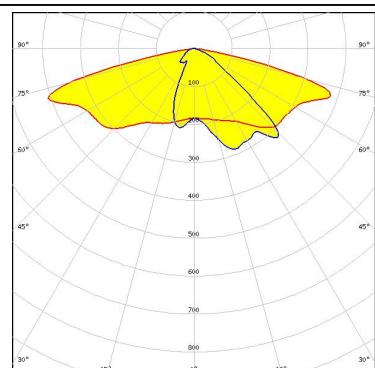
Peak intensity 0.6 cd/lm

LEDs/each optic 1

Light colour White

Required components:

Protective plate, glass



#### OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM Asymmetric

Efficiency 71 %

Peak intensity 0.5 cd/lm

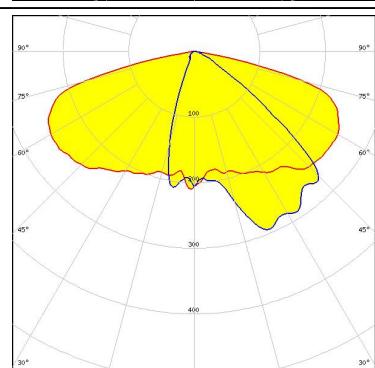
LEDs/each optic 1

Light colour White

Required components:

C17580\_STRADA-2X2-SHD-WHT

Protective plate, glass



#### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+

FWHM / FWTM Asymmetric

Efficiency 76 %

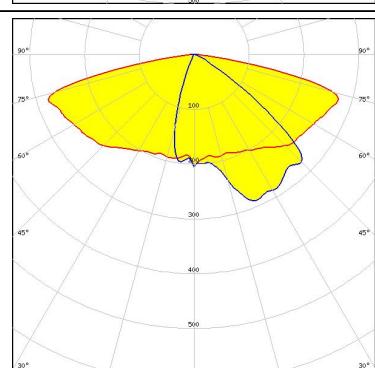
Peak intensity 0.6 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C17677\_STRADA-2X2-SHD-BLK

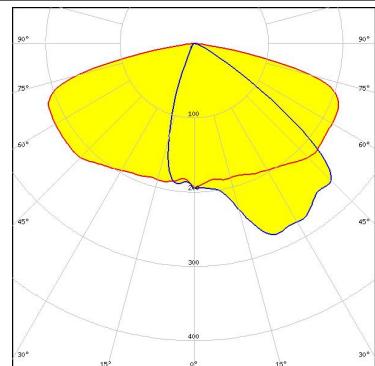


### OPTICAL RESULTS (SIMULATED):

#### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+  
 FWHM / FWTM Asymmetric  
 Efficiency 67 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C17677\_STRADA-2X2-SHD-BLK

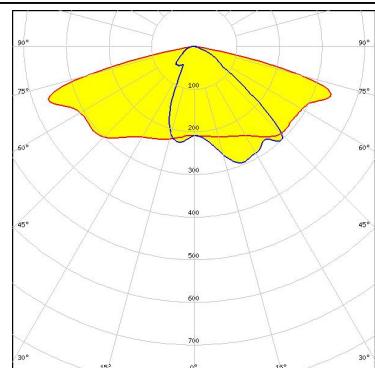
Protective plate, glass



#### PHILIPS

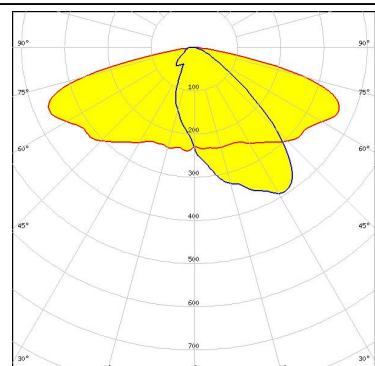
LED Fortimo FastFlex LED 2x8 DA G5  
 FWHM / FWTM Asymmetric  
 Efficiency 84 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



#### PHILIPS

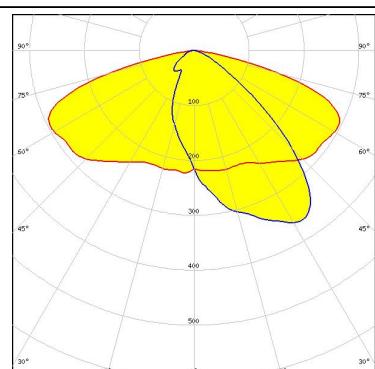
LED Fortimo FastFlex LED 2x8 DA HE  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHILIPS

LED Fortimo FastFlex LED 2x8 DA HE  
 FWHM / FWTM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass

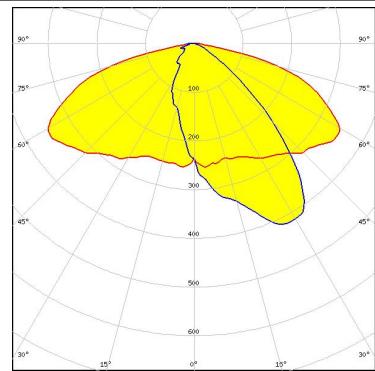


### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED	LH181B
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	4
Light colour	White

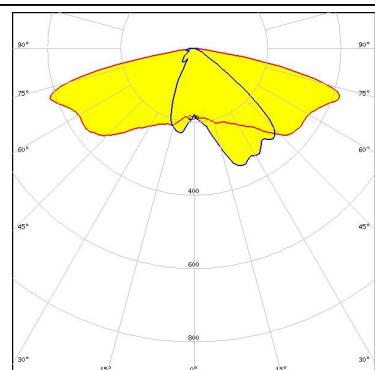
Required components:



#### SAMSUNG

LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

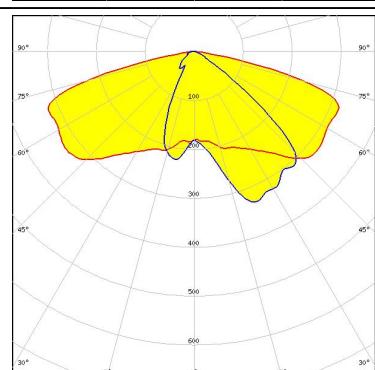


#### SAMSUNG

LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	85 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

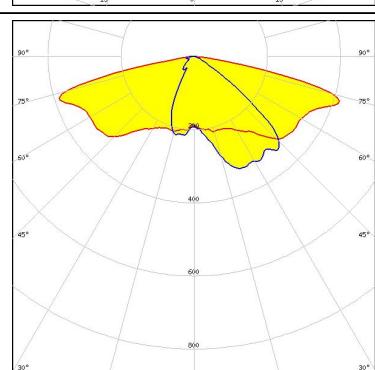
Protective plate, glass



#### SAMSUNG

LED	LH351C
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

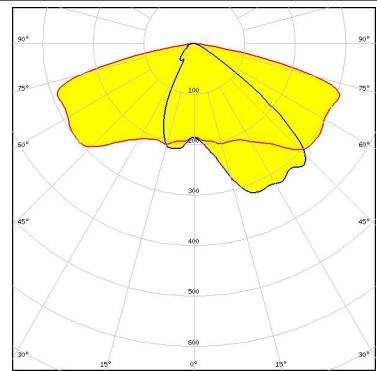


### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LH351C  
 FWHM / FWTM Asymmetric  
 Efficiency 85 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

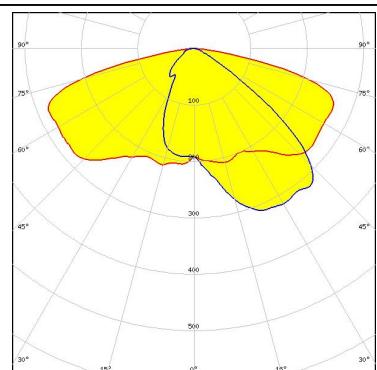
Protective plate, glass



#### SAMSUNG

LED LH351D  
 FWHM / FWTM Asymmetric  
 Efficiency 84 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

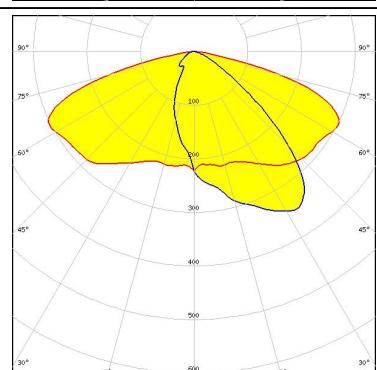
Protective plate, glass



#### SAMSUNG

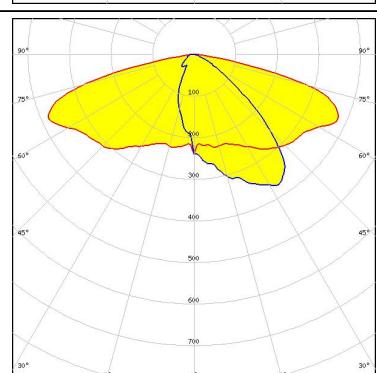
LED LH502D  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass

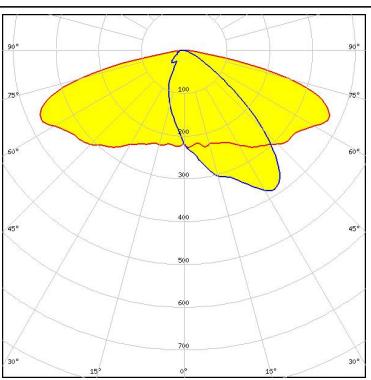
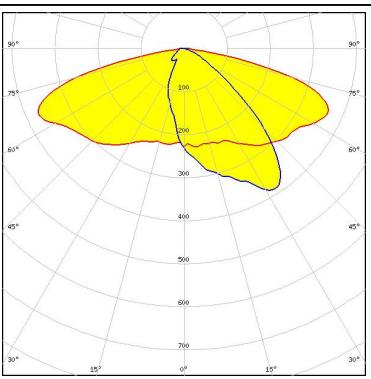
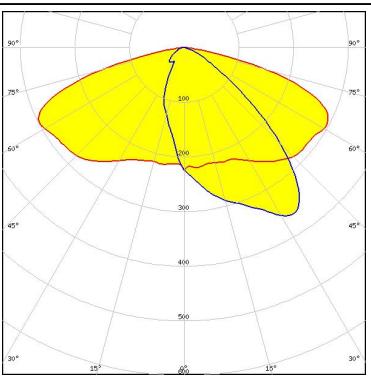
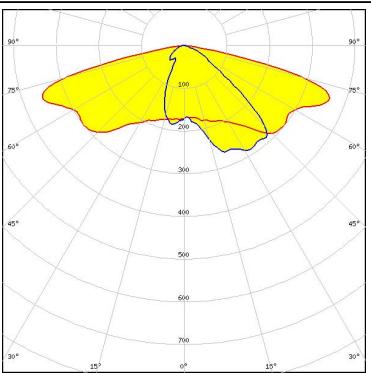


#### SAMSUNG

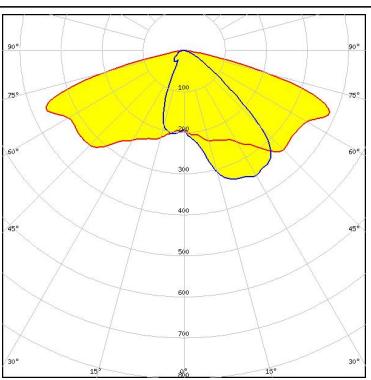
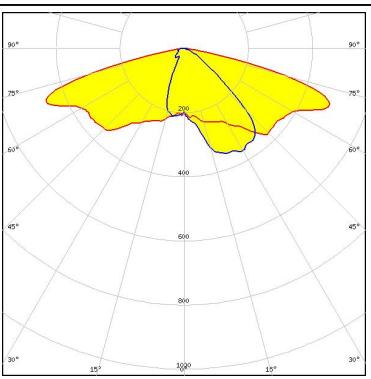
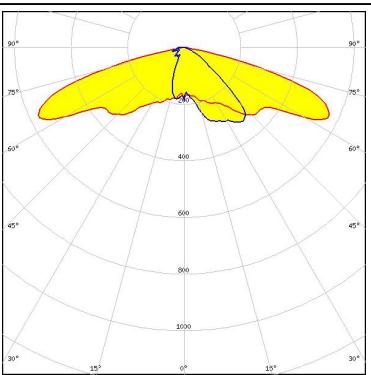
LED LH502D  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

<p>SEoul SEMICONDUCTOR</p> <p>LED MJT 5050</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SEoul SEMICONDUCTOR</p> <p>LED SEOUL DC 5050 6V</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SEoul SEMICONDUCTOR</p> <p>LED SEOUL DC 5050 6V</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 81 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SEoul SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 81 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	

### OPTICAL RESULTS (SIMULATED):

<p>SEoul SEMICONDUCTOR</p> <p>LED Z5M4</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 86 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p>SEoul SEMICONDUCTOR</p> <p>LED Z5M4</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 96 %</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 93 %</p> <p>Peak intensity 0.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

## 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/](http://www.ledil.com/)  
where\_to\_buy

**Shipping locations**  
Salo, Finland  
Hong Kong, China

**Distribution Partners**  
[www.ledil.com/](http://www.ledil.com/)  
where\_to\_buy