

## STRADELLA-8-HV-ME

Fulfils EN13201 M-class requirements where road width is  $\geq$  the pole height. Excellent longitudinal luminance uniformity. Variant with improved creepage distance for high voltage circuit design.



### SPECIFICATION:

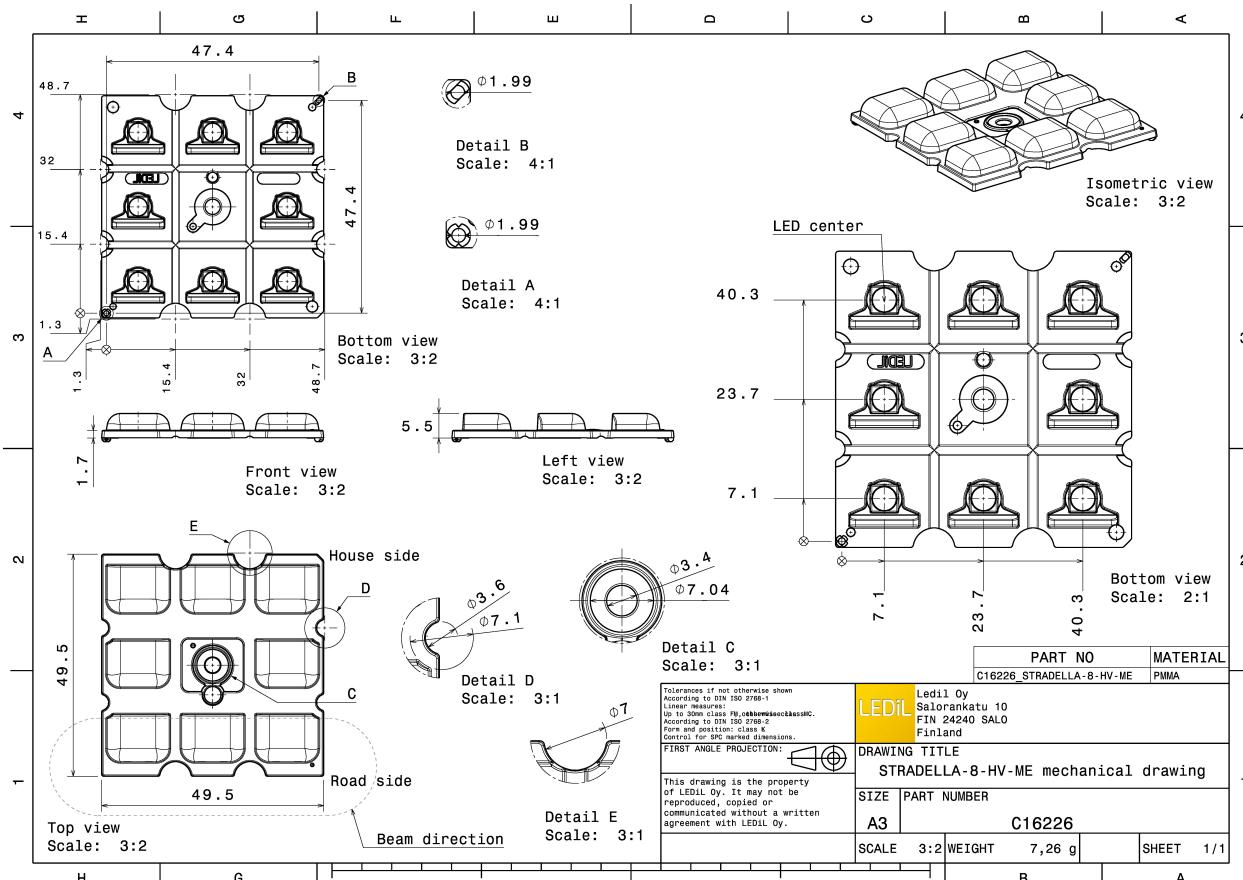
Dimensions	49.5 x 49.5
Height	5.5 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
STRADELLA-8-HV-ME	Multi-lens	PMMA	clear		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16226_STRADELLA-8-HV-ME » Box size: 480 x 280 x 300 mm	800	160	160	6.6



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

### OPTICAL RESULTS (MEASURED):



LED JB3030 HE B Class

FWHM / FWTM Asymmetric

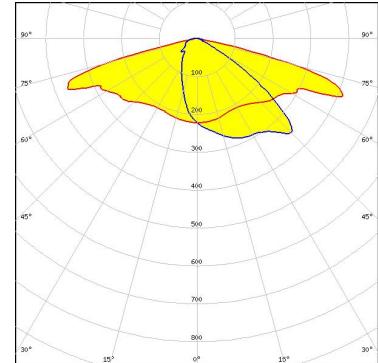
Efficiency 97 %

Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:



Light distribution files



LED XD16

FWHM / FWTM Asymmetric

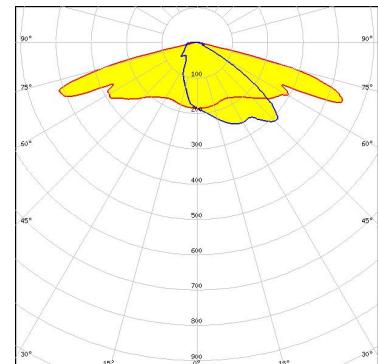
Efficiency 94 %

Peak intensity 0.9 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:



Light distribution files



LED LUXEON 3030 2D (Round LES)

FWHM / FWTM Asymmetric

Efficiency 88 %

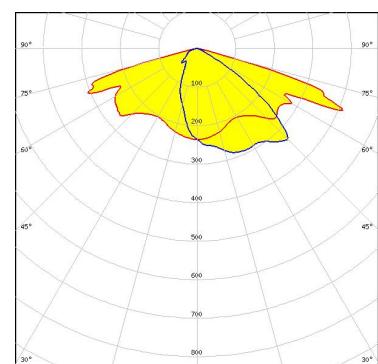
Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

Protective plate, glass

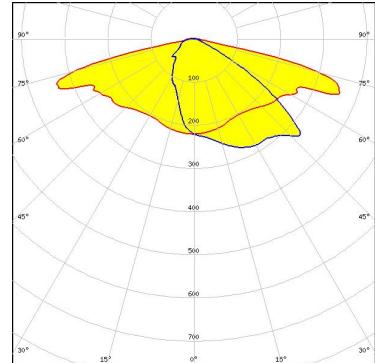


Light distribution files

### OPTICAL RESULTS (MEASURED):



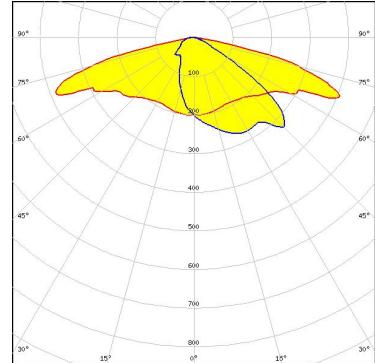
LED LUXEON V2  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



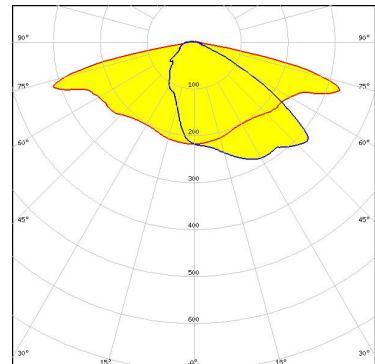
LED NF2W585AR  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW219F  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

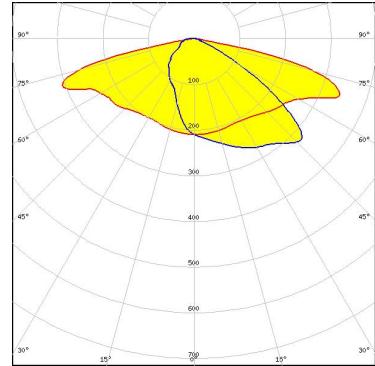


Light distribution files

### OPTICAL RESULTS (MEASURED):



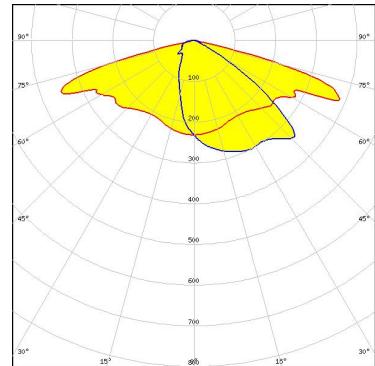
LED NVSW319B  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



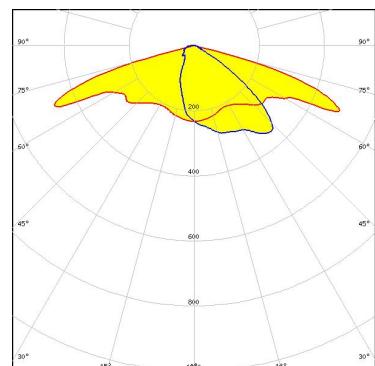
LED OSCONIQ S 3030 (QSLR31)  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

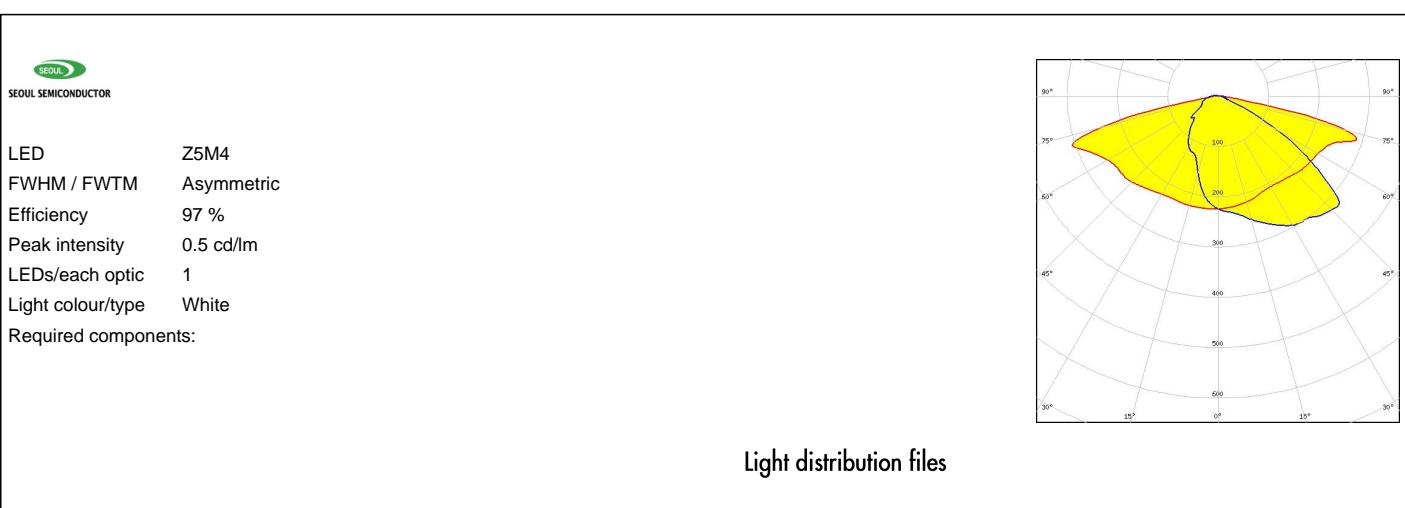
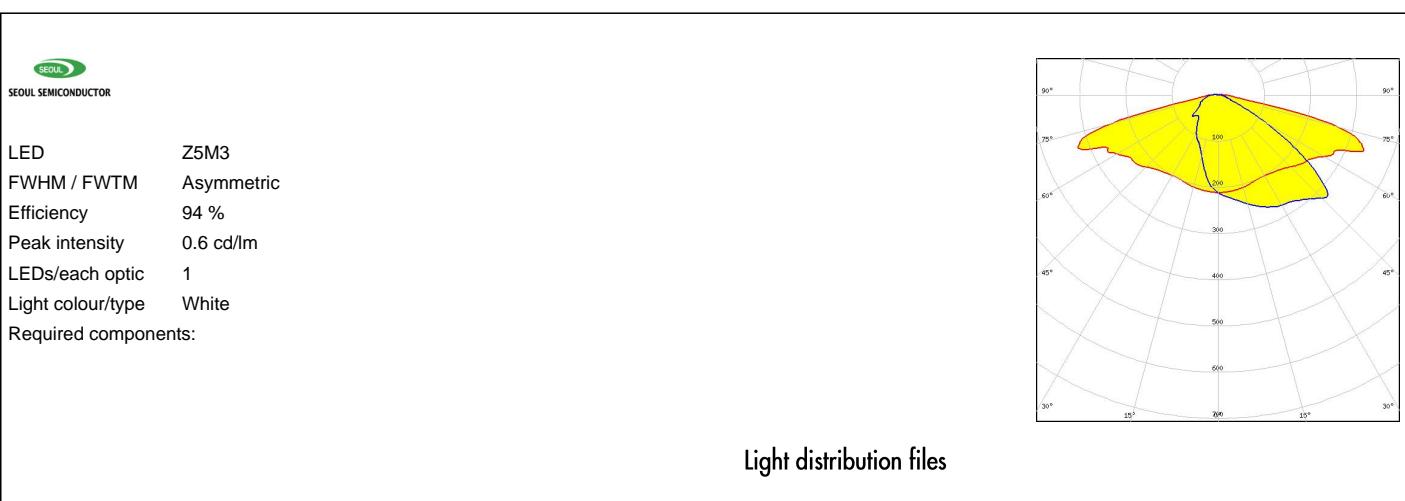
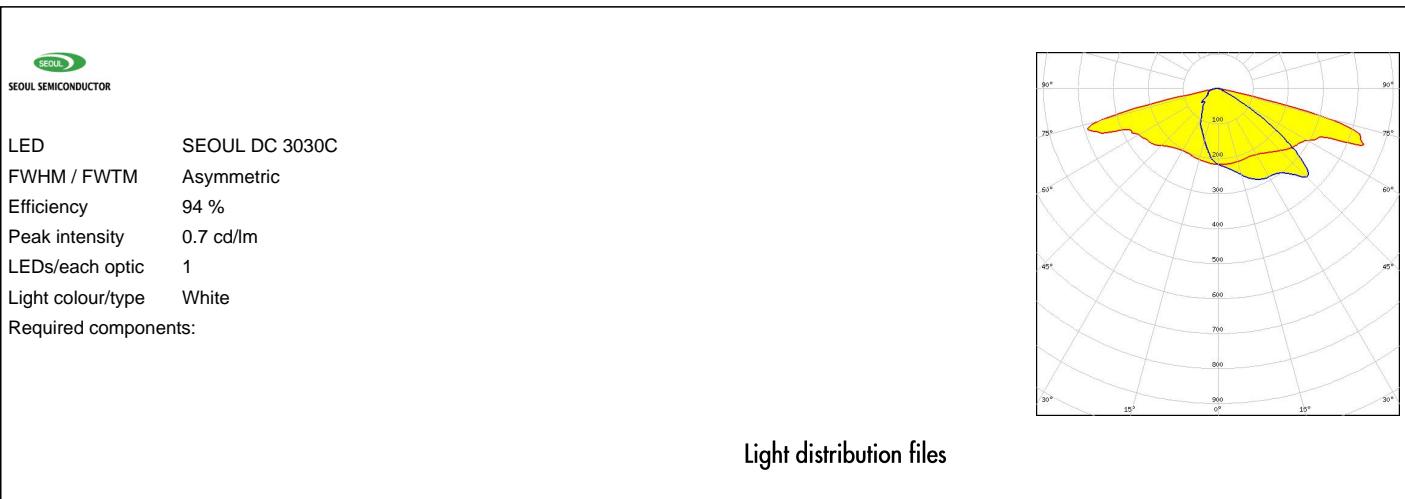


LED Fortimo FastFlex LED 4x8up PR G5  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

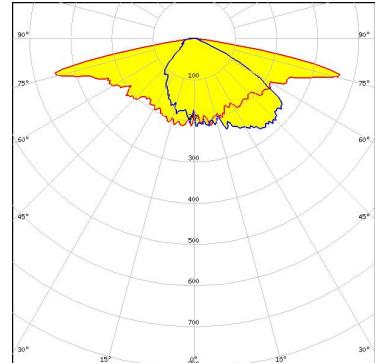
### OPTICAL RESULTS (MEASURED):



### OPTICAL RESULTS (SIMULATED):



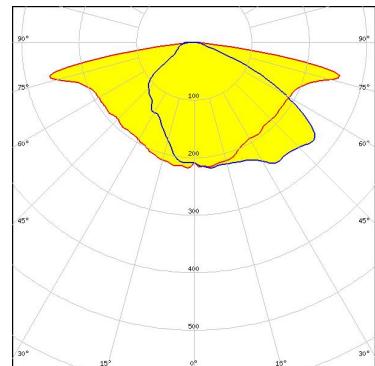
LED XP-G2  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



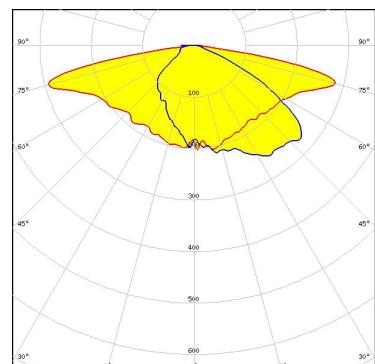
LED XP-G2 HE  
 FWHM / FWTM Asymmetric  
 Efficiency 91 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 91 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



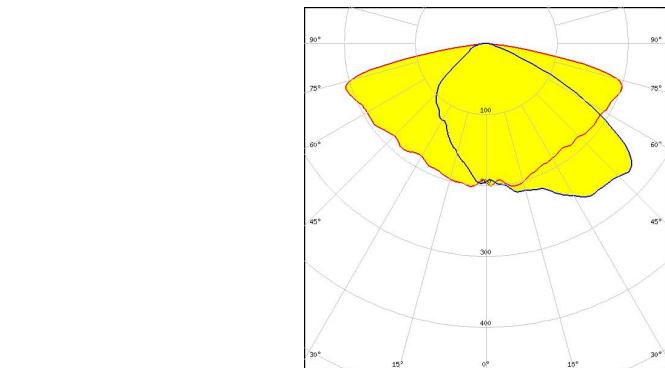
Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

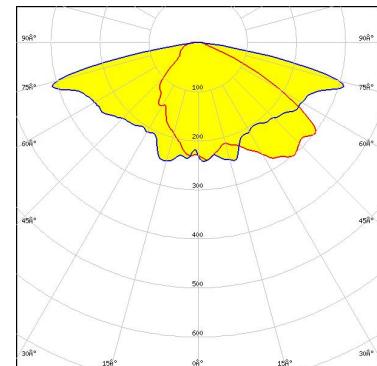
Protective plate, glass



Light distribution files



LED XP-G4  
 FWHM / FWTM Asymmetric  
 Efficiency 98 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

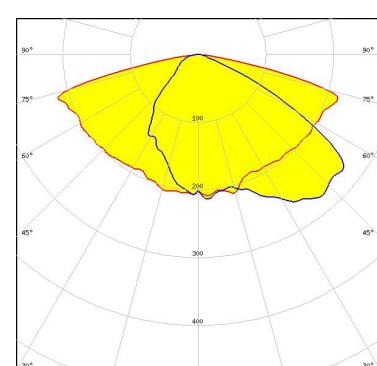


Light distribution files



LED XP-G4  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

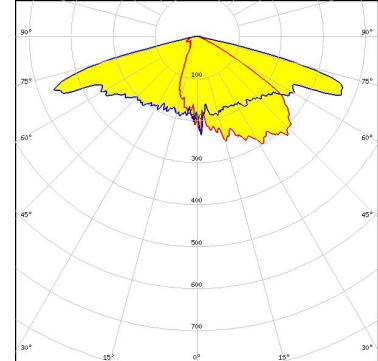


Light distribution files

### OPTICAL RESULTS (SIMULATED):



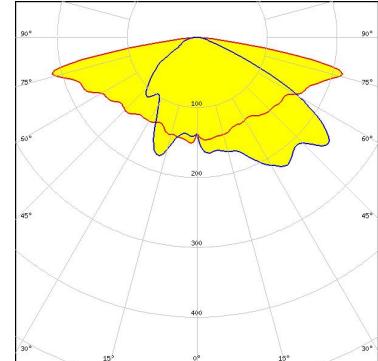
LED LUXEON 3030 2D (Round LES)  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON C  
FWHM / FWTM Asymmetric  
Efficiency 74 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

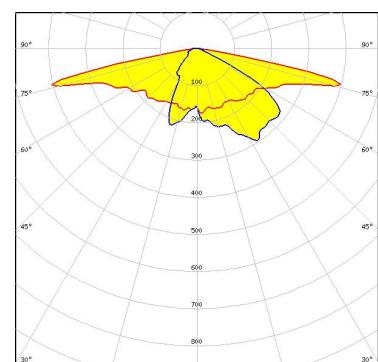


Protective plate, glass

Light distribution files



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



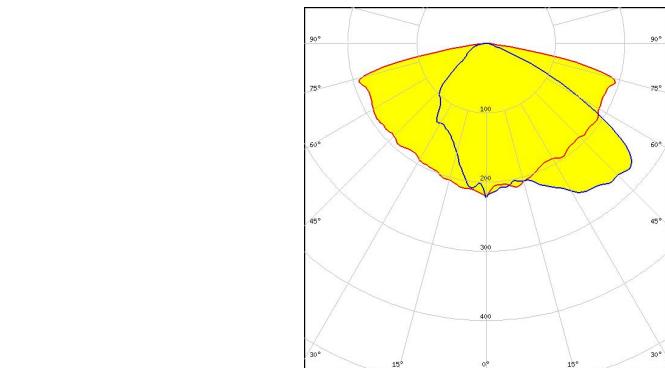
Light distribution files

### OPTICAL RESULTS (SIMULATED):



**LED** LUXEON HL2X  
**FWHM / FWTM** Asymmetric  
**Efficiency** 80 %  
**Peak intensity** 0.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

Protective plate, glass

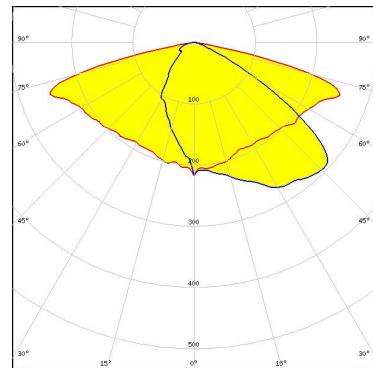


Light distribution files



**LED** NF2x757G  
**FWHM / FWTM** Asymmetric  
**Efficiency** 82 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

Protective plate, glass

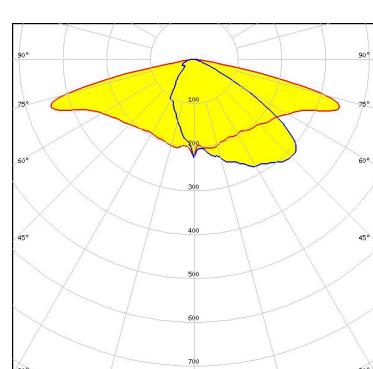


Light distribution files



**LED** NF2x757G  
**FWHM / FWTM** Asymmetric  
**Efficiency** 94 %  
**Peak intensity** 0.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

Light distribution files

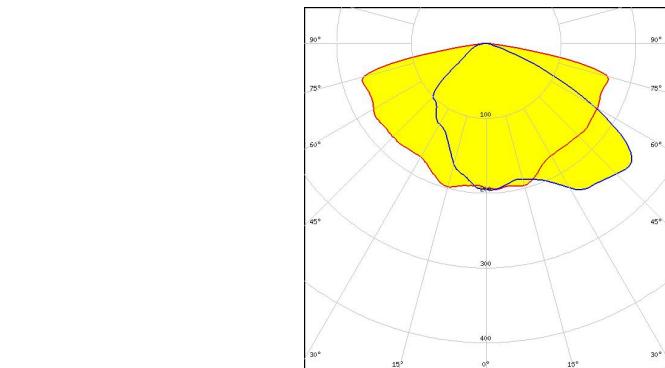


### OPTICAL RESULTS (SIMULATED):



LED NVSW219F  
 FWHM / FWTM Asymmetric  
 Efficiency 75 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass



Light distribution files



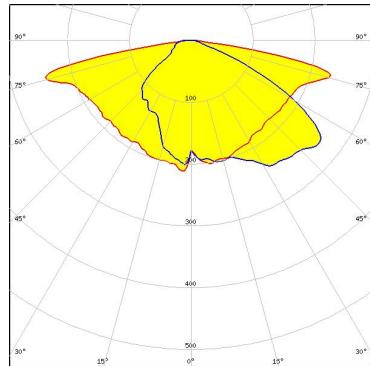
LED NVSW519A  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files

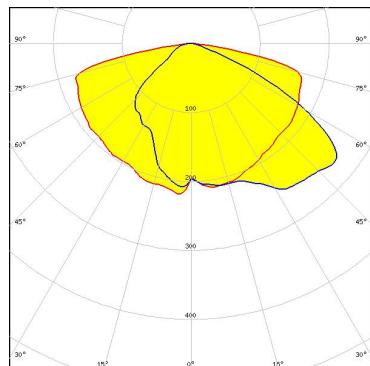


LED NVSW519A  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass



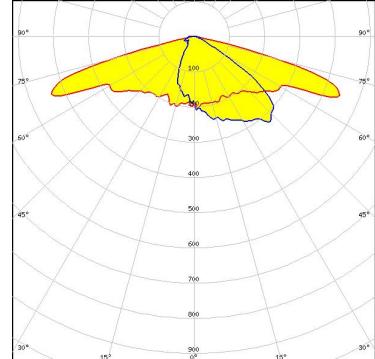
Light distribution files



### OPTICAL RESULTS (SIMULATED):



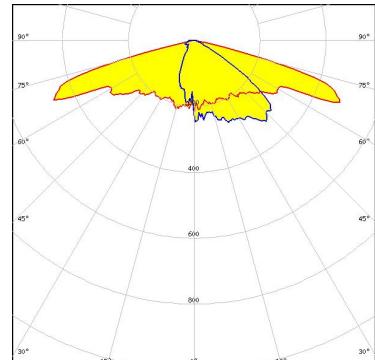
LED NVSxE21A  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



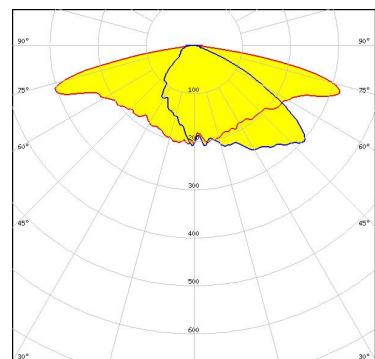
LED NVSxE21A  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



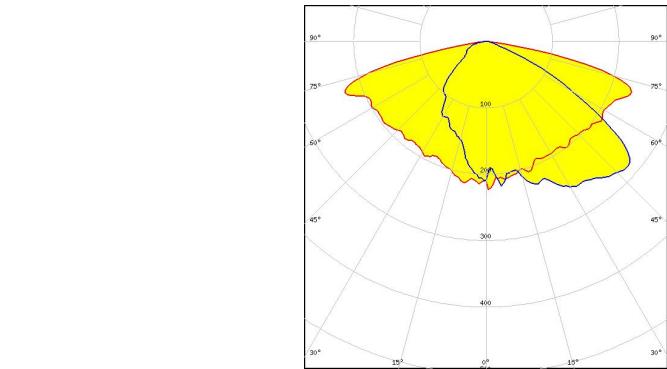
Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

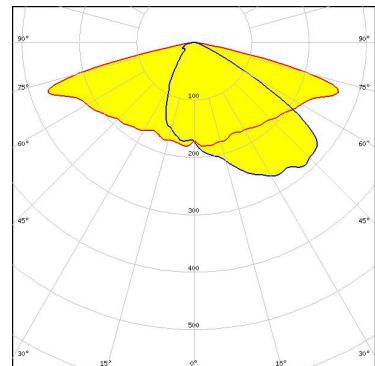


Light distribution files



LED OSCONIQ C 2424 Gen1  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

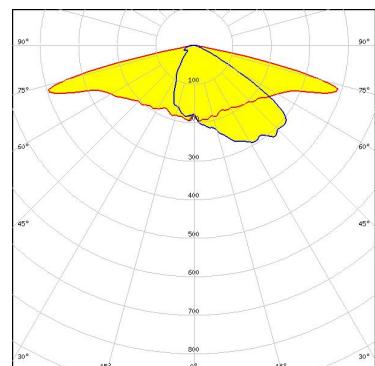
Protective plate, glass



Light distribution files



LED OSCONIQ C 2424 Gen1  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

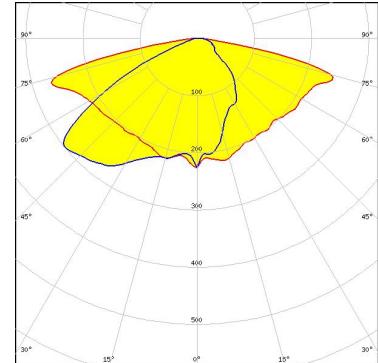


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

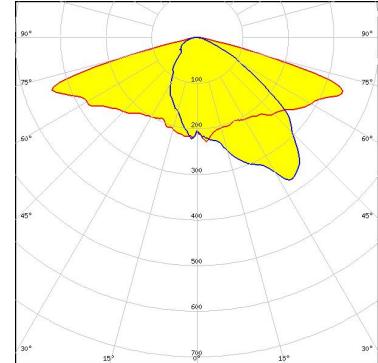
LED OSCONIQ P 3030  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 3737 (2W version)  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

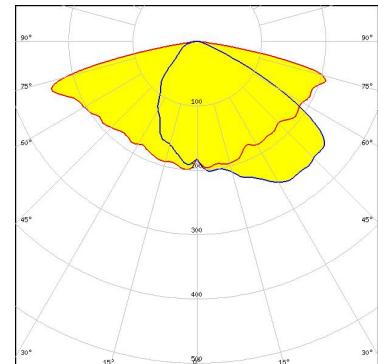


Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 80 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass



Light distribution files

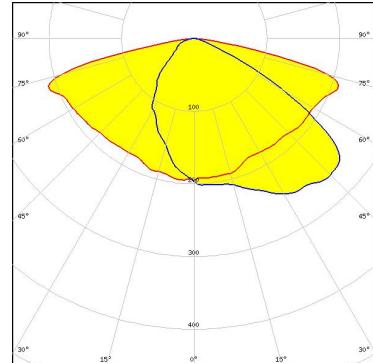
### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 77 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

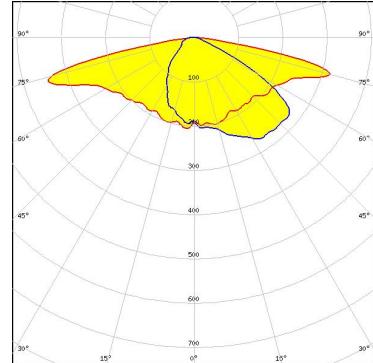
Light distribution files



**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

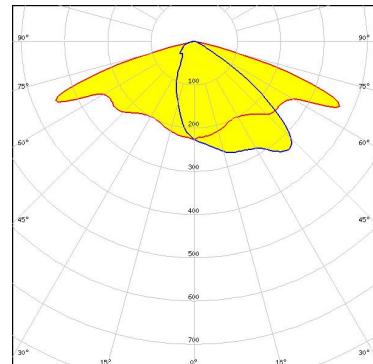


**PHILIPS**

LED Fortimo FastFlex LED 4x8up PR G5  
FWHM / FWTM Asymmetric  
Efficiency 84 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

Light distribution files



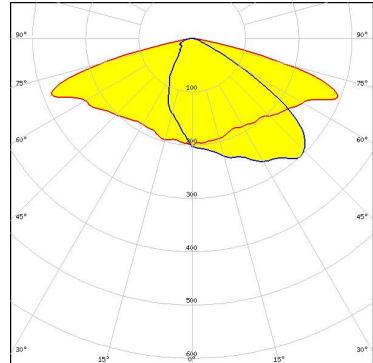
### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LH181B  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

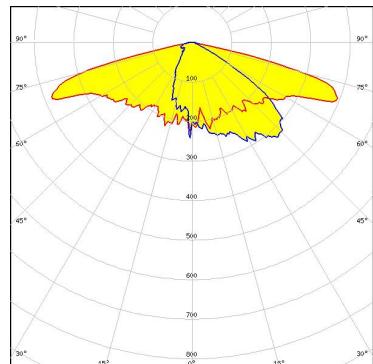
Light distribution files



#### SAMSUNG

LED LH181B  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files

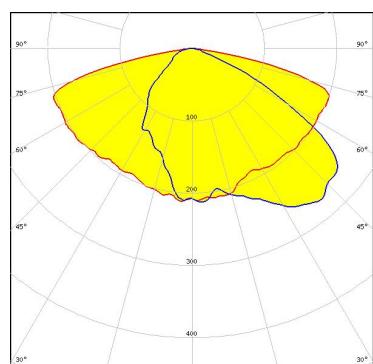


#### SAMSUNG

LED LH351B  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

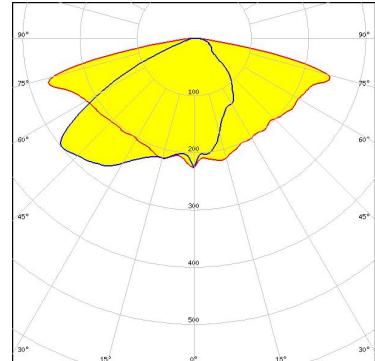
Light distribution files



### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

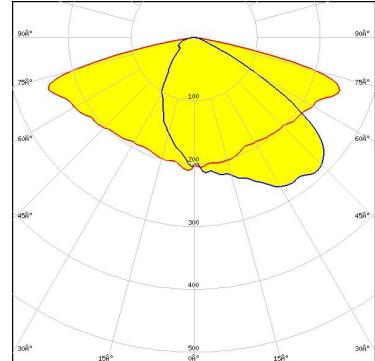
LED LH351C  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### SAMSUNG

LED LM302D  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

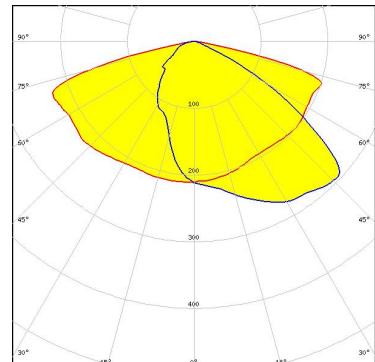


Protective plate, glass

Light distribution files

 SEOUL SEMICONDUCTOR

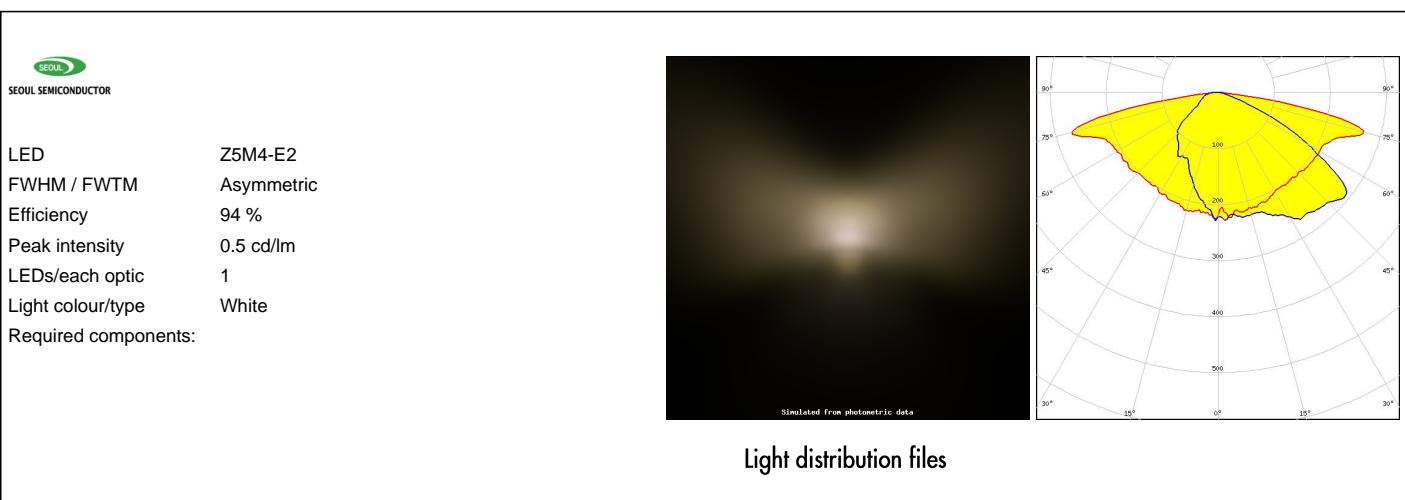
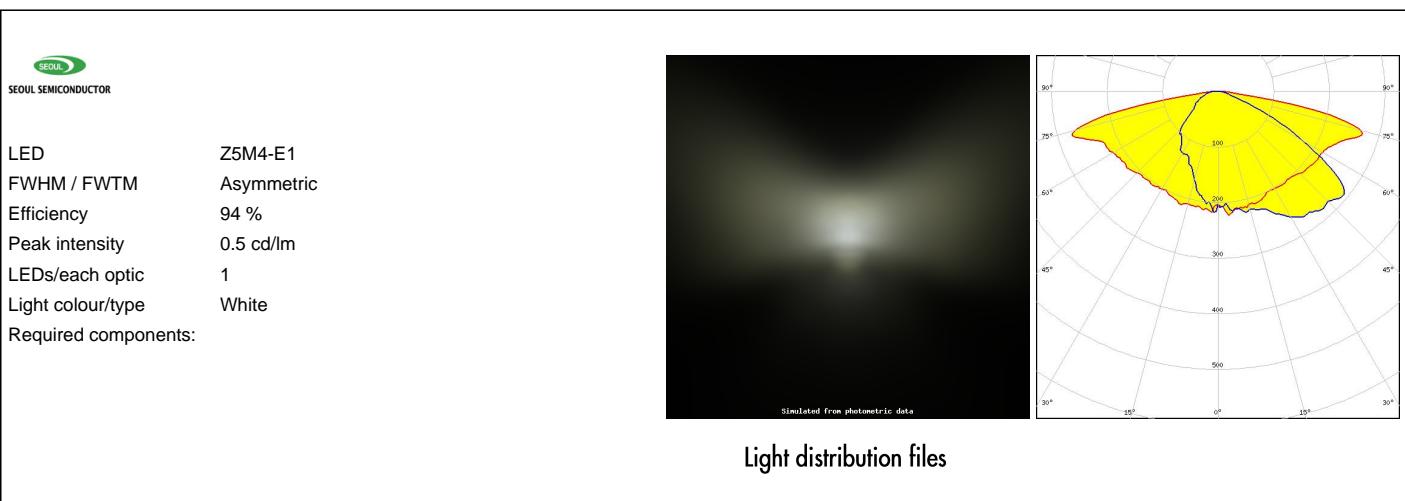
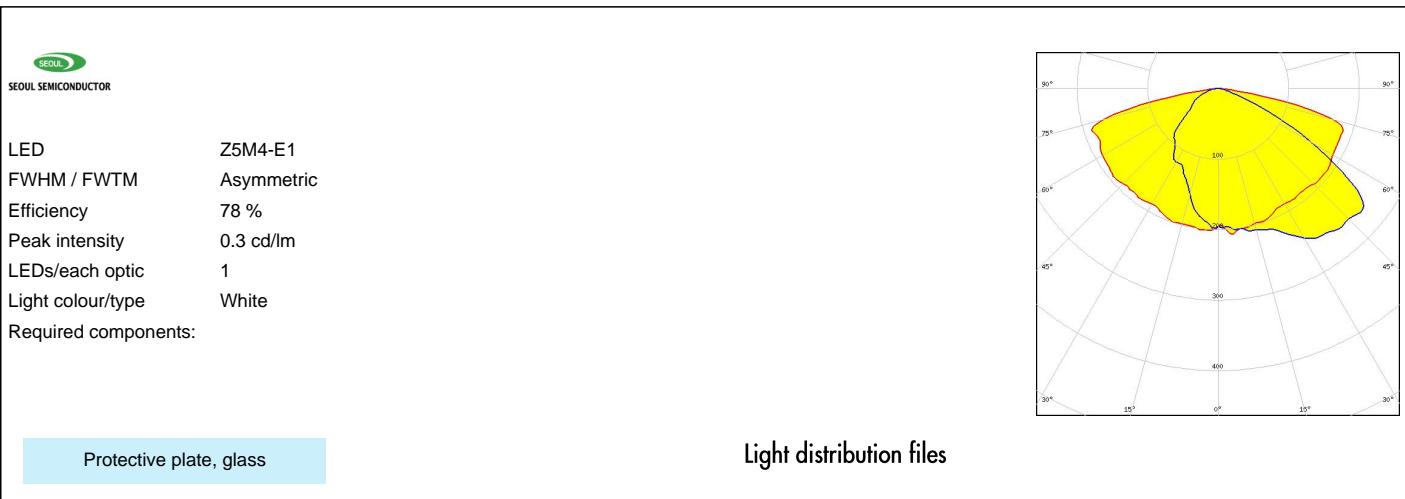
LED Z5M4  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



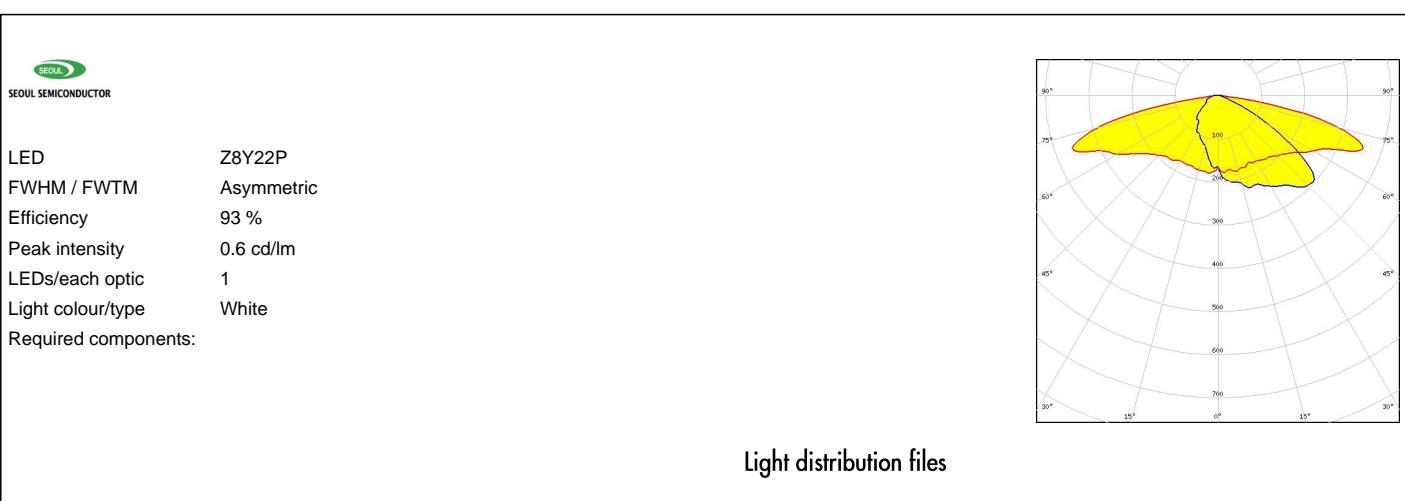
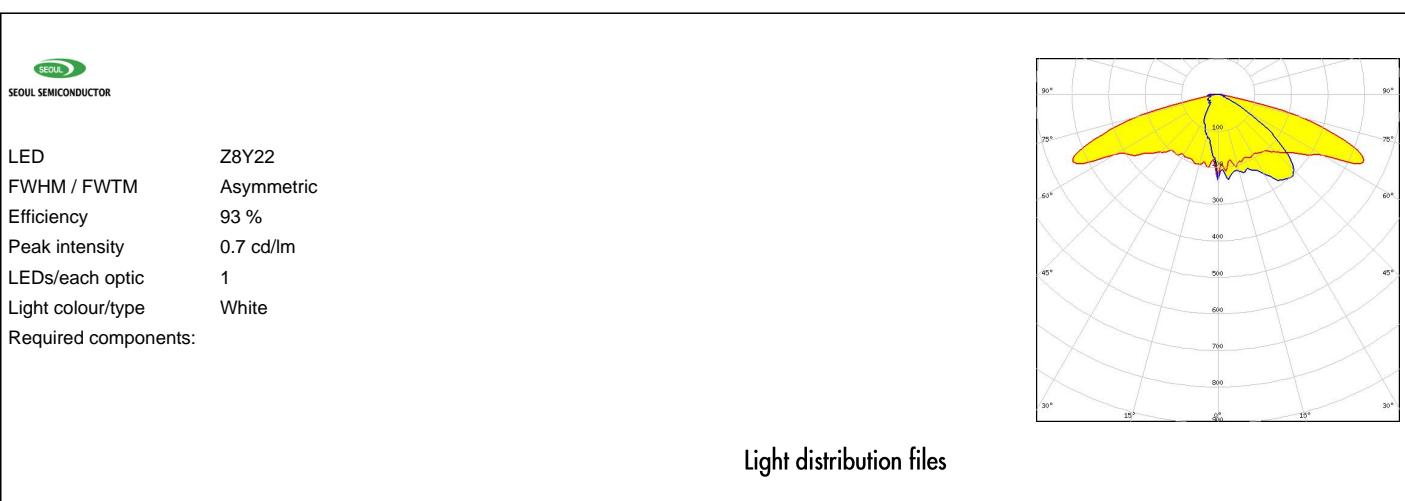
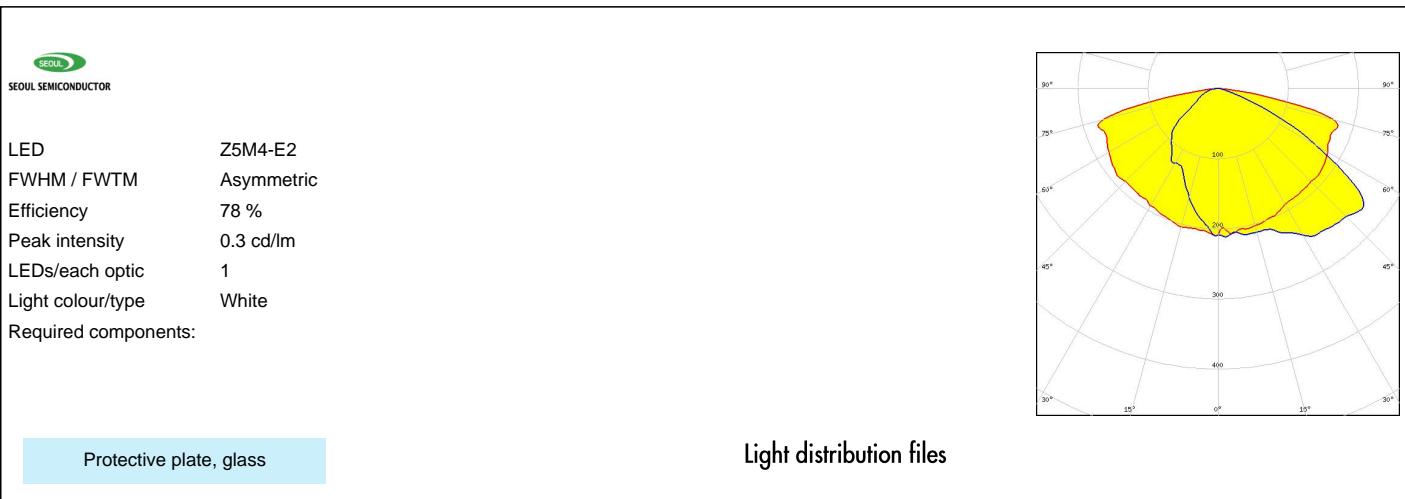
Protective plate, glass

Light distribution files

### OPTICAL RESULTS (SIMULATED):



### OPTICAL RESULTS (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.

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