

## STRADA-2X2-T1

Symmetric IESNA Type I (medium) beam for narrow roads and paths with long pole distance and tilted armature

### SPECIFICATION:

Dimensions	50.0 x 50.0
Height	7.8 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

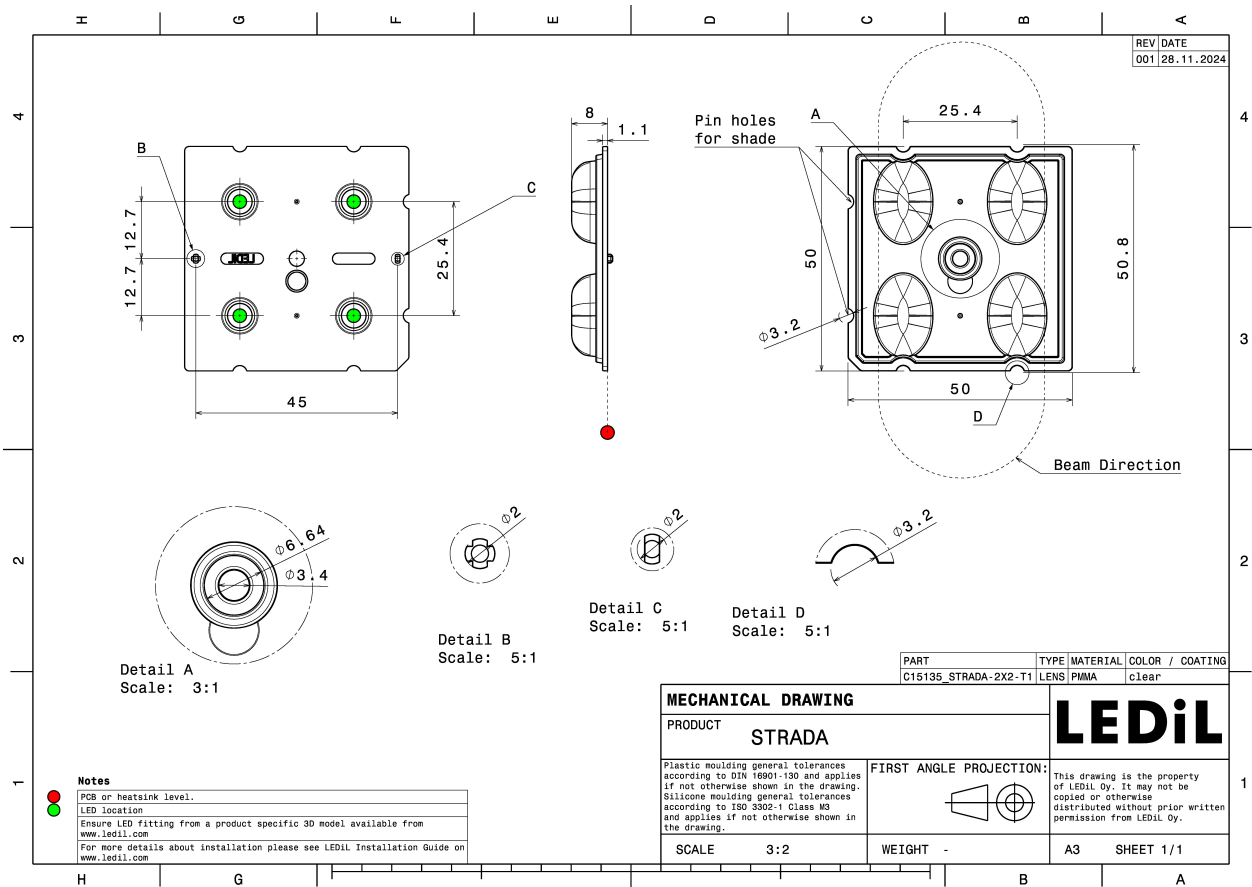


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
STRADA-2X2-T1	Multi-lens	PMMA	clear		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15135_STRADA-2X2-T1	800	160	160	6.9
» Box size: 480 x 280 x 300 mm				

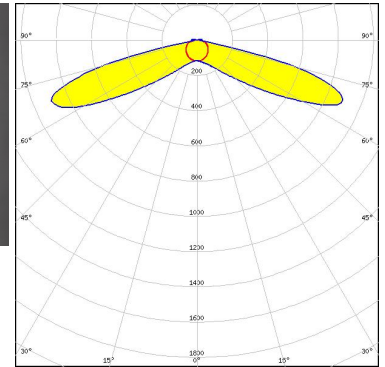
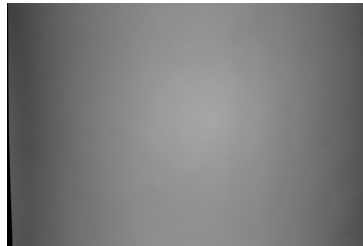


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



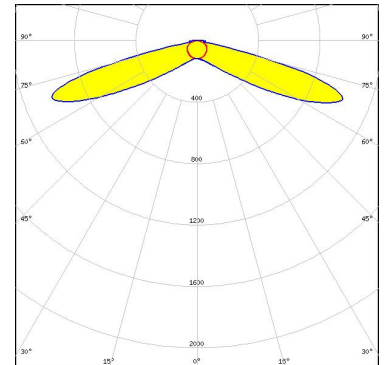
LED Bridgelux SMD 5050  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



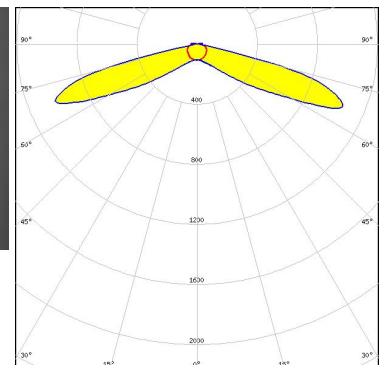
LED J Series 5050C 6V E Class  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XD16  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 4  
 Light colour/type White  
 Required components:

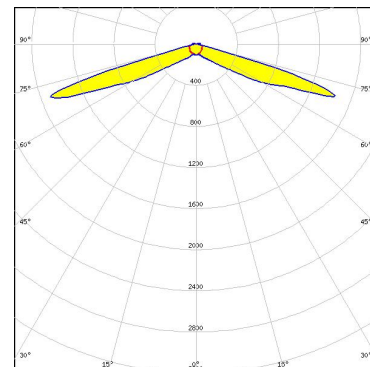


Light distribution files

#### OPTICAL RESULTS (MEASURED):



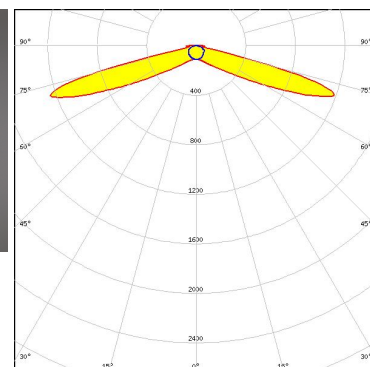
LED XD16  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



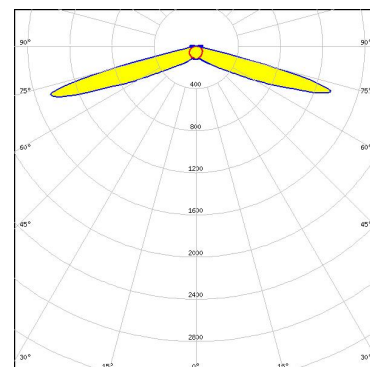
LED XM-L3  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G2  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



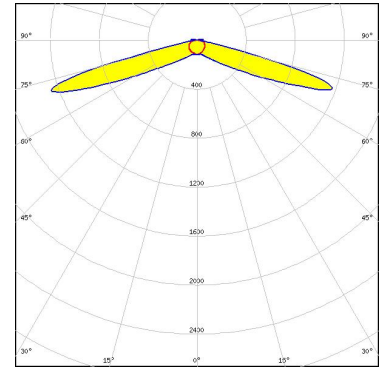
Light distribution files



#### OPTICAL RESULTS (MEASURED):



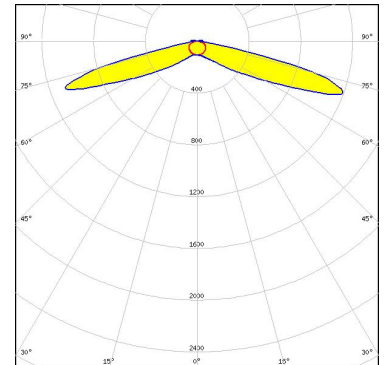
LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



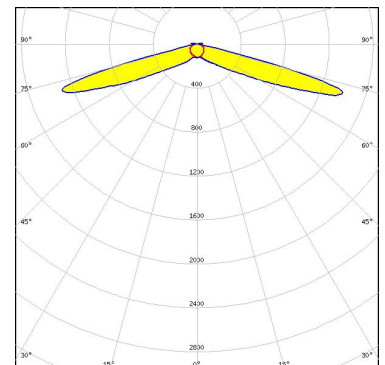
LED XP-L HD  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-L HI  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

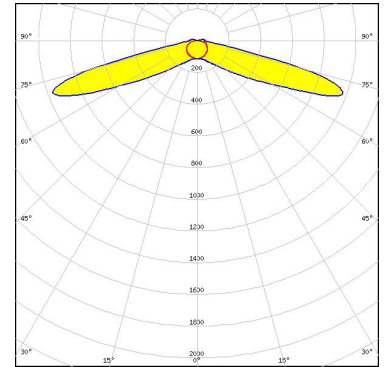


Light distribution files

#### OPTICAL RESULTS (MEASURED):



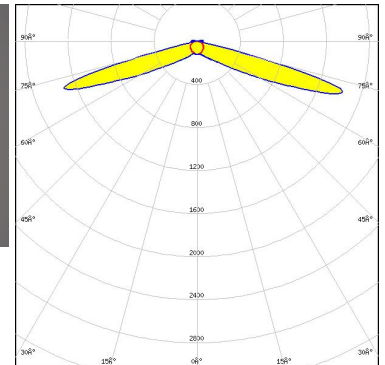
LED XP-L2  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



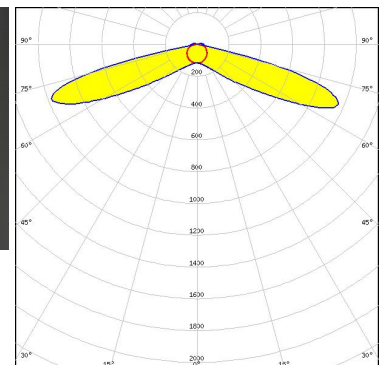
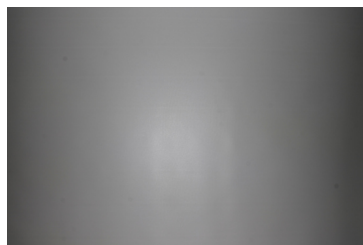
LED PrevaLED Brick HP 2x8  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



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

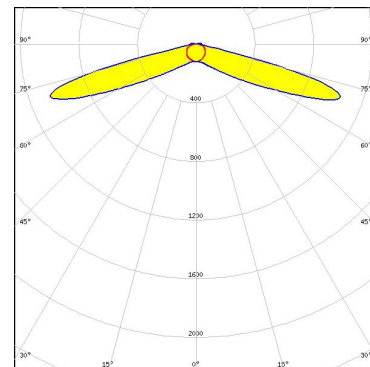


Light distribution files

#### OPTICAL RESULTS (MEASURED):



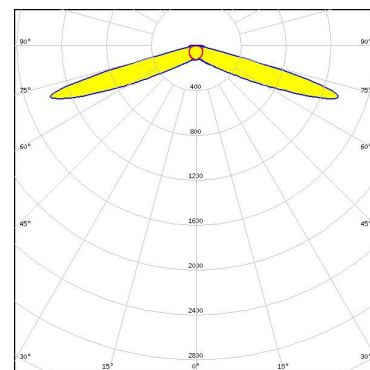
LED LUXEON V  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



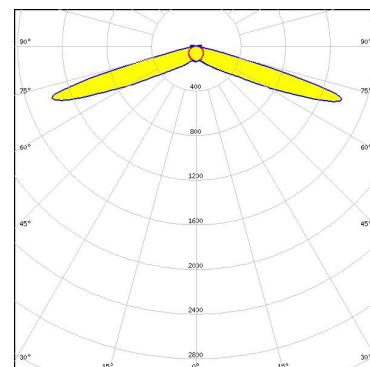
LED LUXEON V2  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED RecLED 122x50mm 1900lm 730 2x4 Opt G1  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

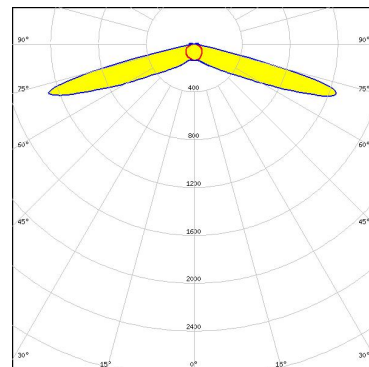


Light distribution files

#### OPTICAL RESULTS (MEASURED):



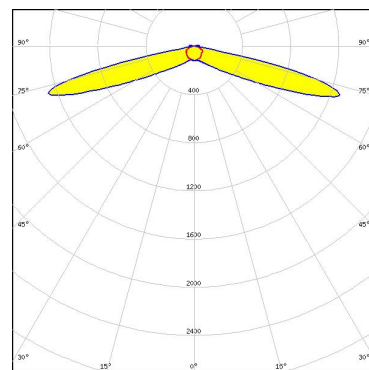
LED NVSW219D  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



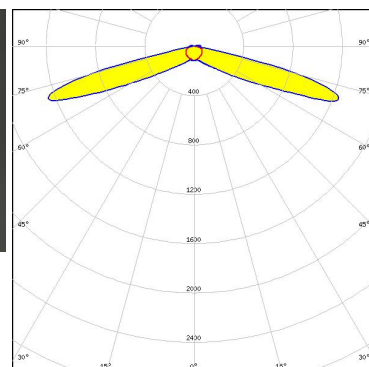
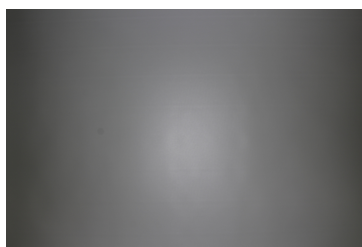
LED NVSW319B  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW3x9A  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

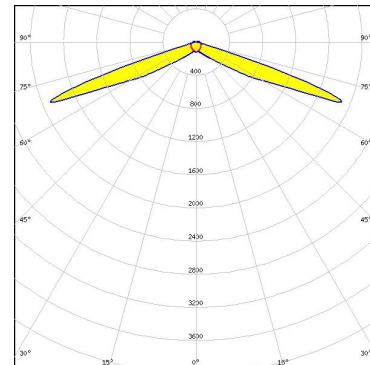


Light distribution files

#### OPTICAL RESULTS (MEASURED):



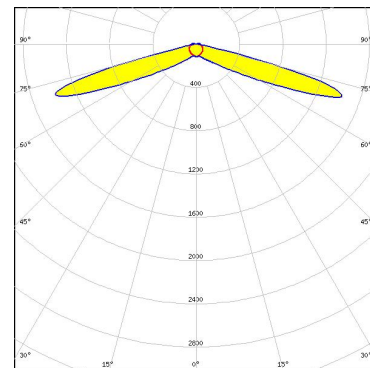
LED NVSxE21A  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



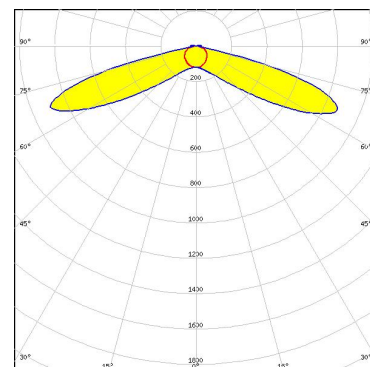
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Duris S8  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

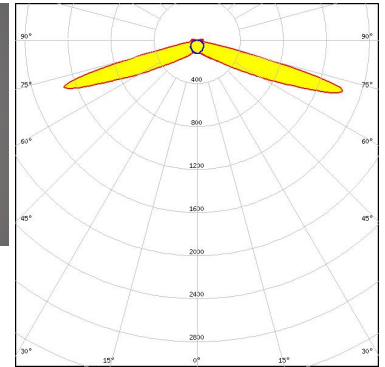


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

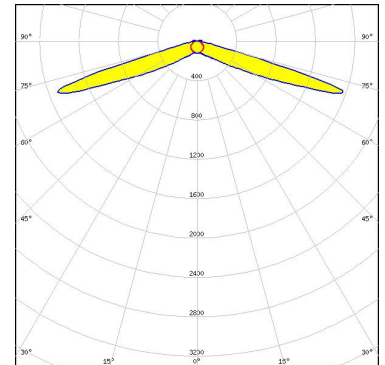
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

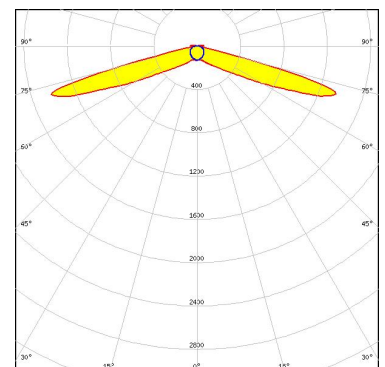
LED OSLON Square PC  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**PHILIPS**

LED Fortimo FastFlex LED 2x8 DA G4  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

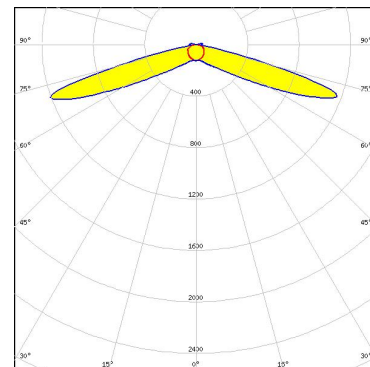


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### PHILIPS

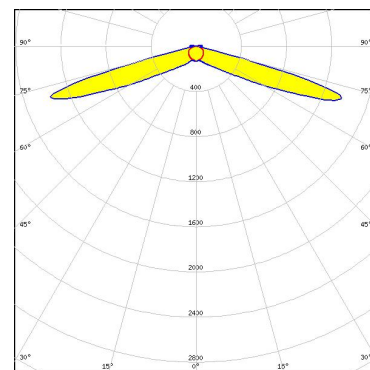
LED	Fortimo FastFlex LED 2x8 DA G4+
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

#### PHILIPS

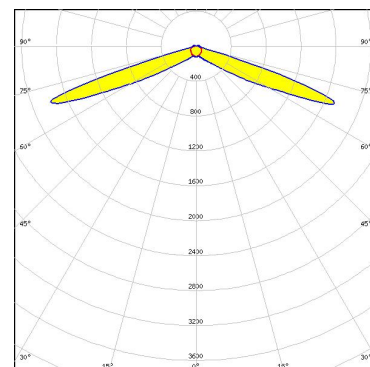
LED	Fortimo FastFlex LED 2x8 DA G5
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

#### SAMSUNG

LED	HiLOM RC12 Z (LH181B)
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



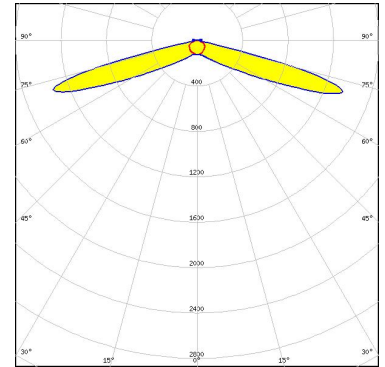
Light distribution files



#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

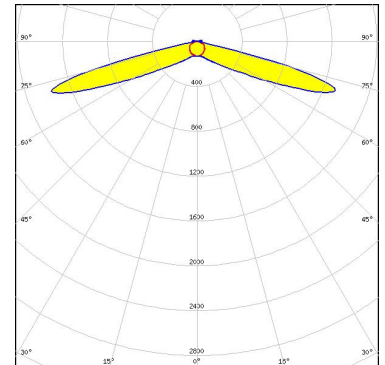
LED HiLOM RH12 Z (LH351C)  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### SAMSUNG

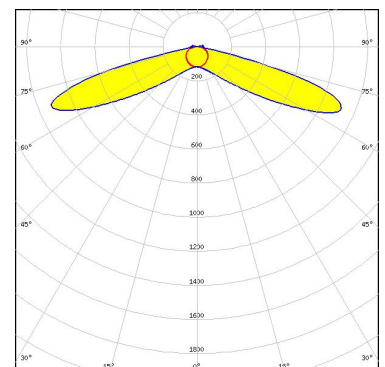
LED HiLOM RH16 (LH351C)  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### SAMSUNG

LED HiLOM RM12 Z (LH502C)  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

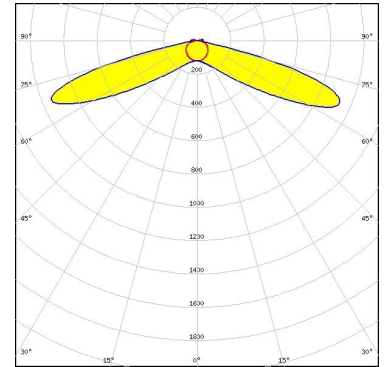


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

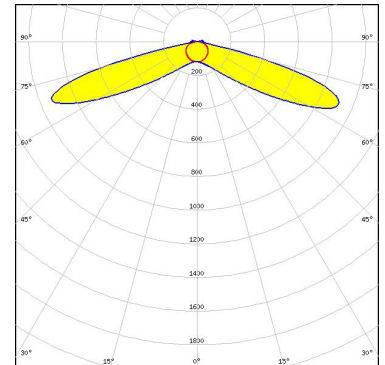
LED HiLOM RM16 Z (LH502C)  
 FWHM / FWTM Asymmetric  
 Efficiency 99 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### SAMSUNG

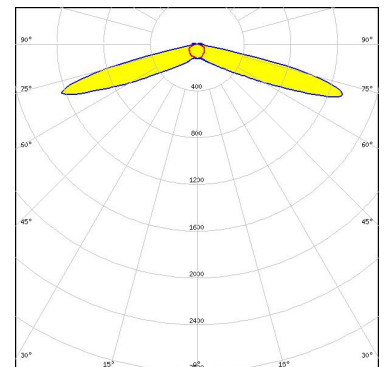
LED HiLOM RM8 Z (LH502C)  
 FWHM / FWTM Asymmetric  
 Efficiency 98 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### SAMSUNG

LED LH351B  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

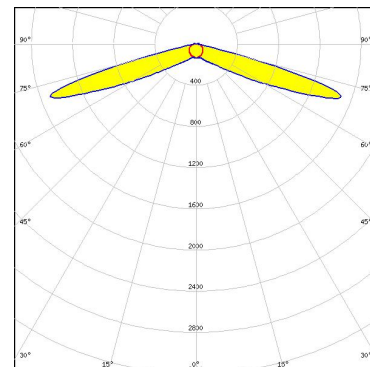


Light distribution files

#### OPTICAL RESULTS (MEASURED):



LED LED-Pa-L15c2W11c2-xxx-C050-01  
 FWHM / FWTM Asymmetric  
 Efficiency 98 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

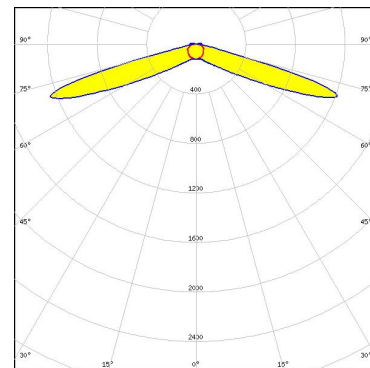


Light distribution files



SEOUL SEMICONDUCTOR

LED Z5M3  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

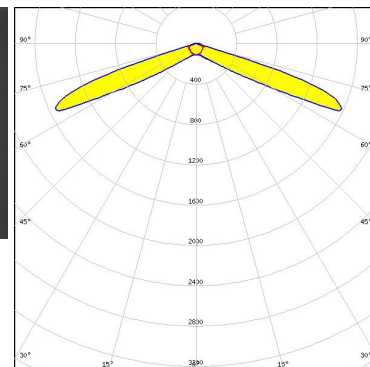
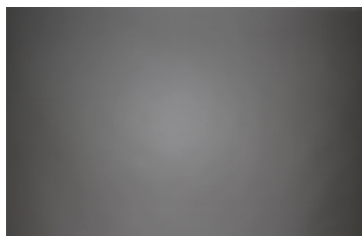


Light distribution files



SEOUL SEMICONDUCTOR

LED Z8Y22  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

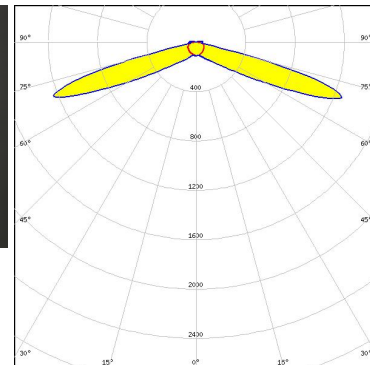


Light distribution files

#### OPTICAL RESULTS (MEASURED):



LED Z8Y22P  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

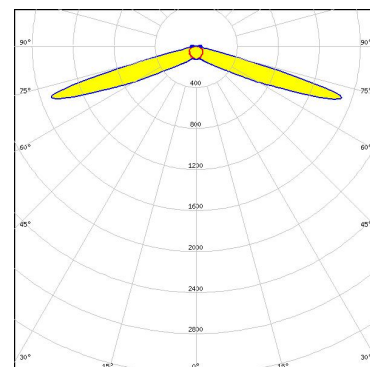
#### TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

#### TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

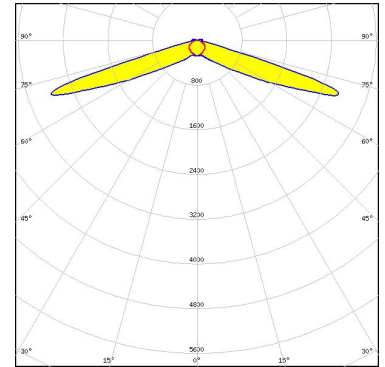


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### TRIDONIC

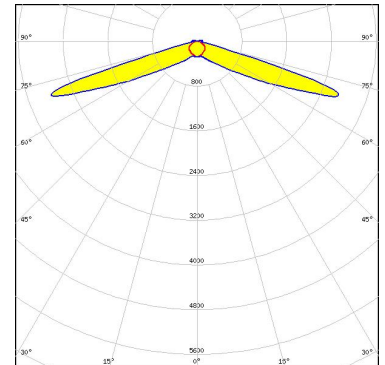
LED RLE G1 49x121mm 2000lm xxx EXC OTD  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### TRIDONIC

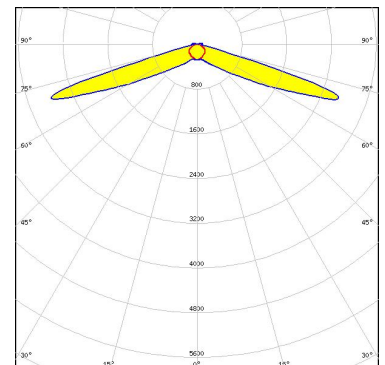
LED RLE G1 49x133mm 2000lm xxx EXC OTD  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

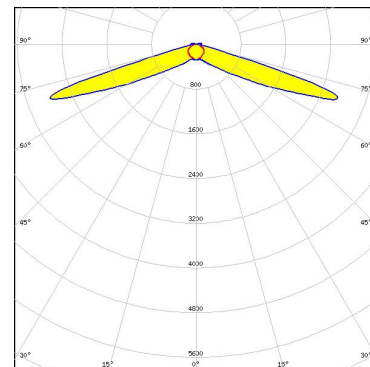


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

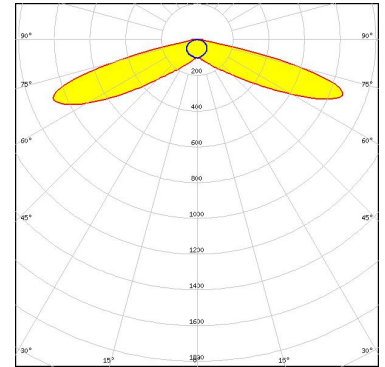


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



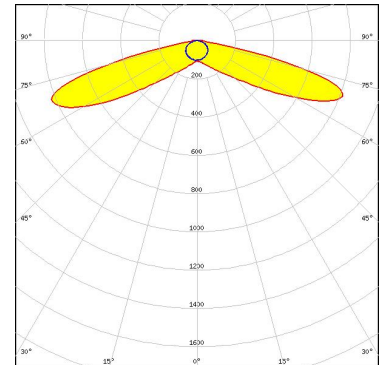
LED J Series 5050 Round LES  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



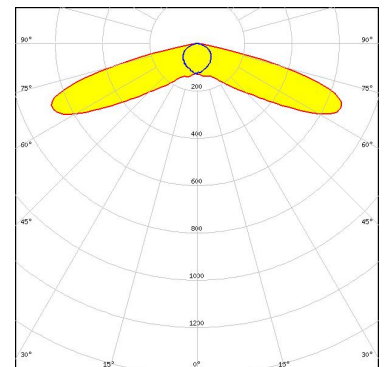
LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Protective plate, glass

Light distribution files



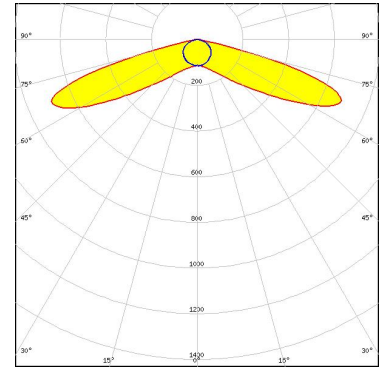
#### OPTICAL RESULTS (SIMULATED):



LED J Series 5050C 6V E Class  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

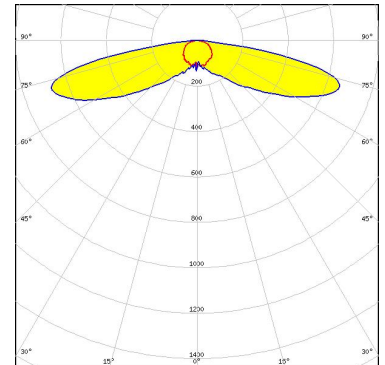
Protective plate, glass

Light distribution files



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

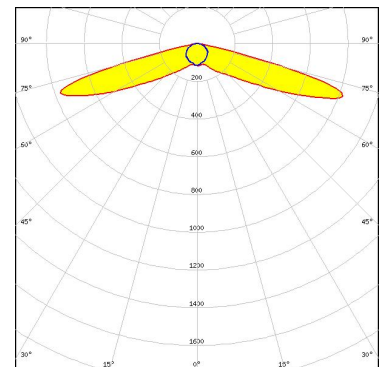
Light distribution files



LED XP-G2  
 FWHM / FWTM Asymmetric  
 Efficiency 77 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

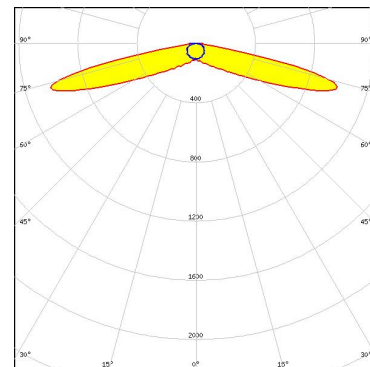
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



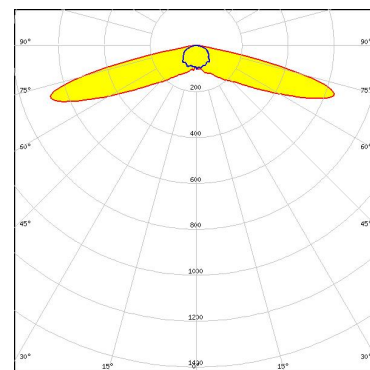
LED XP-G2 HE  
FWHM / FWTM Asymmetric  
Efficiency 95 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-G3  
FWHM / FWTM Asymmetric  
Efficiency 77 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

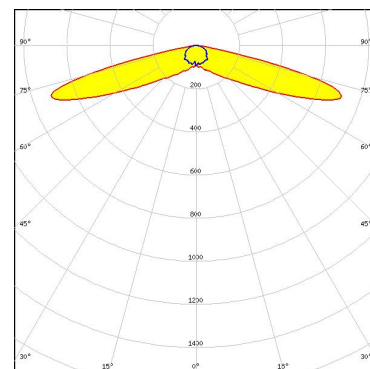


Light distribution files

Protective plate, glass



LED XP-G3  
FWHM / FWTM Asymmetric  
Efficiency 74 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

Protective plate, glass

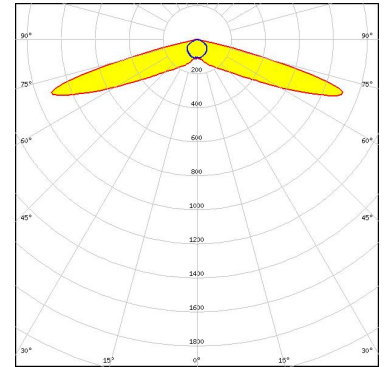
#### OPTICAL RESULTS (SIMULATED):



LED XP-G4  
FWHM / FWTM Asymmetric  
Efficiency 81 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

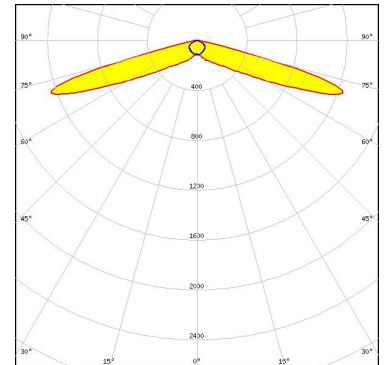
Protective plate, glass

Light distribution files



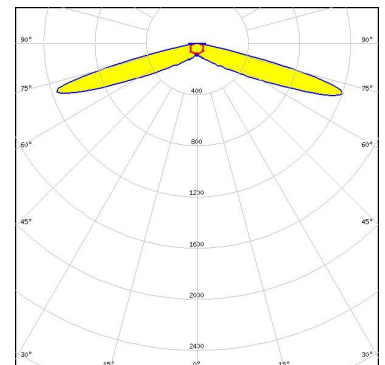
LED XP-G4  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



LED XT-E  
FWHM / FWTM Asymmetric  
Efficiency 90 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

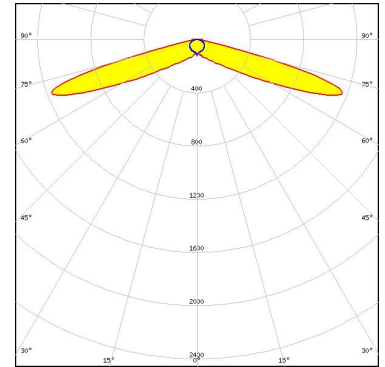
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



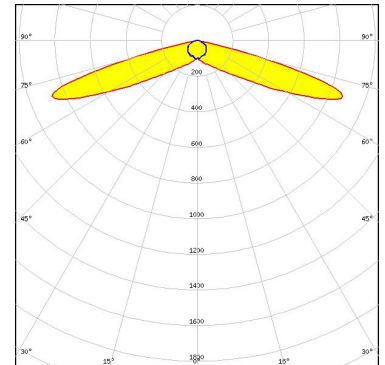
LED LUXEON 3030 HE Plus  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 3030 HE Plus  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

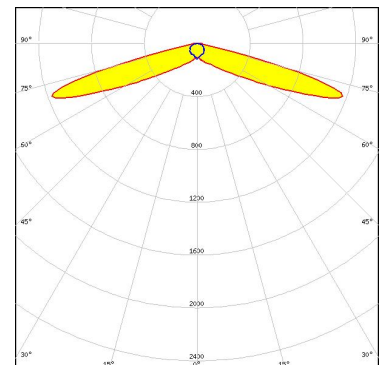


Light distribution files

Protective plate, glass



LED LUXEON 3535L  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



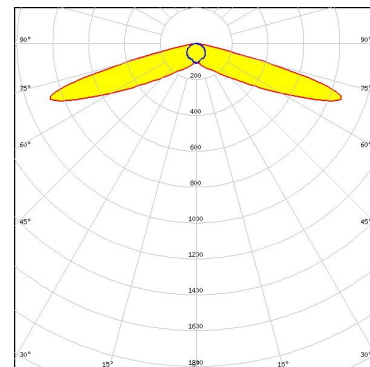
Light distribution files

#### OPTICAL RESULTS (SIMULATED):



LED LUXEON 3535L  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

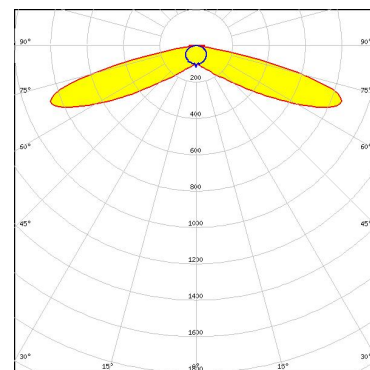
Protective plate, glass



Light distribution files



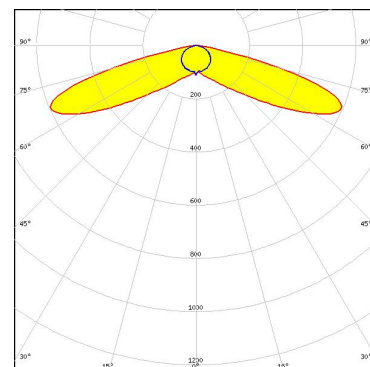
LED LUXEON 5050 HE  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 5050 HE  
 FWHM / FWTM Asymmetric  
 Efficiency 77 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Protective plate, glass

Light distribution files

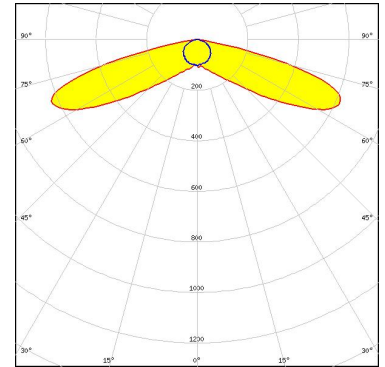
#### OPTICAL RESULTS (SIMULATED):



LED	LUXEON 5050 HE Plus
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

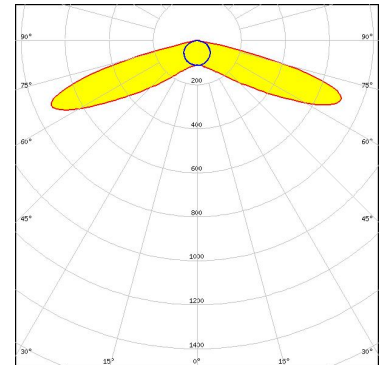
Light distribution files



LED	LUXEON 5050 Round LES
FWHM / FWTM	Asymmetric
Efficiency	82 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

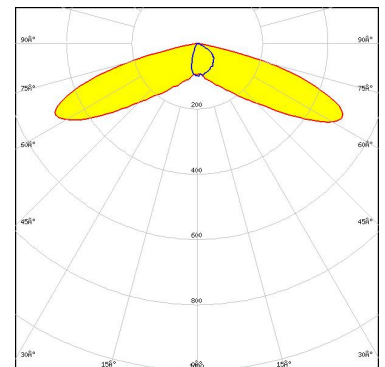
Light distribution files



LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	49 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	C17677_STRADA-2X2-SHD-BLK

Protective plate, glass

Light distribution files



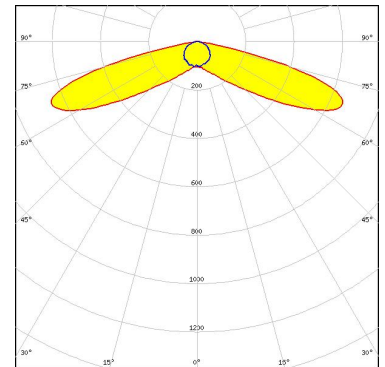
#### OPTICAL RESULTS (SIMULATED):



LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

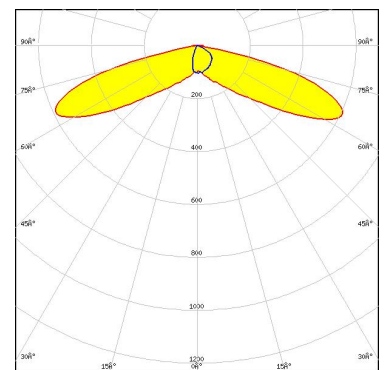
Protective plate, glass

Light distribution files



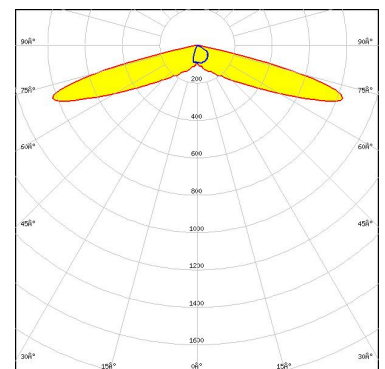
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 57 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17677\_STRADA-2X2-SHD-BLK

Light distribution files



LED LUXEON HL2X  
 FWHM / FWTM Asymmetric  
 Efficiency 61 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17677\_STRADA-2X2-SHD-BLK

Light distribution files

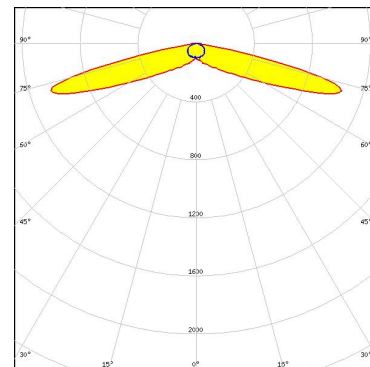




#### OPTICAL RESULTS (SIMULATED):



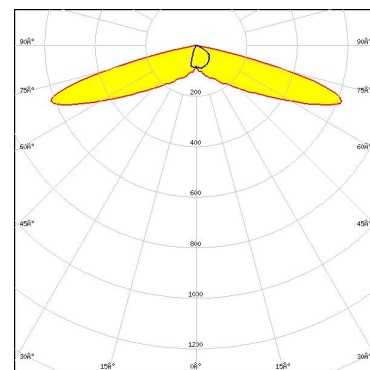
LED LUXEON HL2X  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON HL2X  
 FWHM / FWTM Asymmetric  
 Efficiency 51 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17677\_STRADA-2X2-SHD-BLK

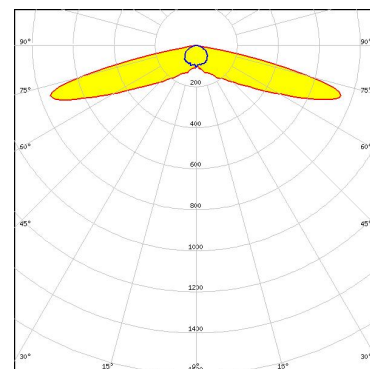


Light distribution files

Protective plate, glass



LED LUXEON HL2X  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

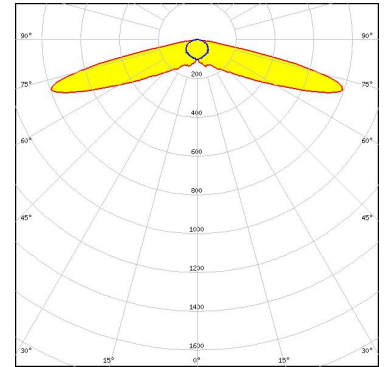
Protective plate, glass

#### OPTICAL RESULTS (SIMULATED):



LED LUXEON HL2X-V  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

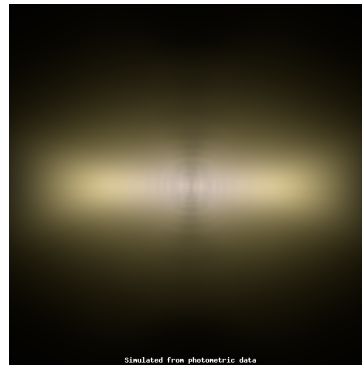
Protective plate, glass



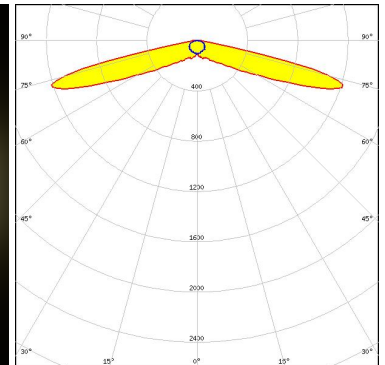
Light distribution files



LED LUXEON HL2X-V  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

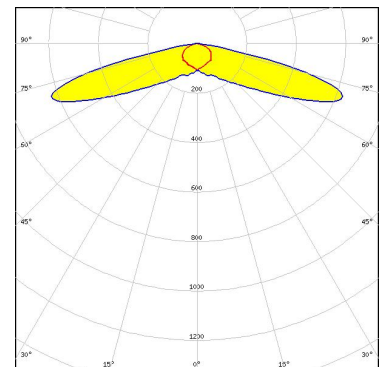


Light distribution files



LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

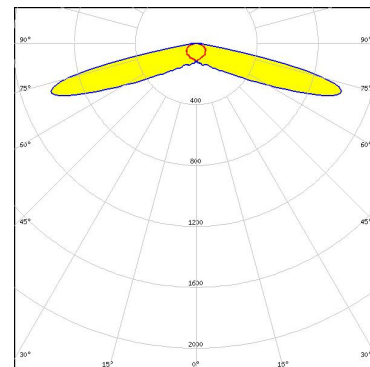


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



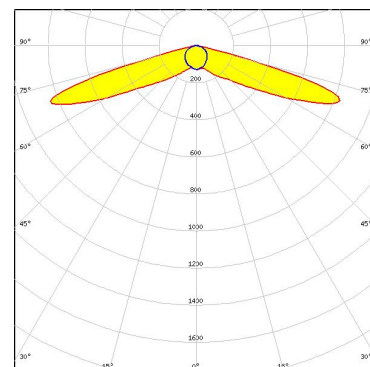
LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED RecLED 122x50mm 1900lm 730 2x4 Opt G1  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

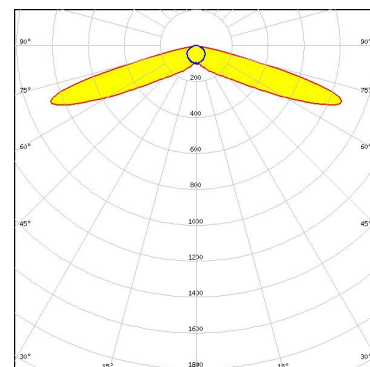


Protective plate, glass

Light distribution files



LED NF2x757G  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



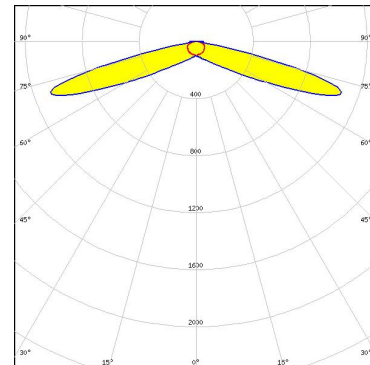
Protective plate, glass

Light distribution files

#### OPTICAL RESULTS (SIMULATED):



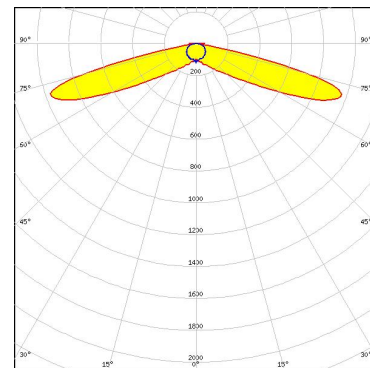
LED NF3W585AR  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



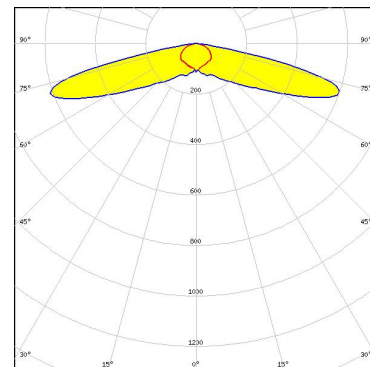
LED NV4WB35AM  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW519A  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



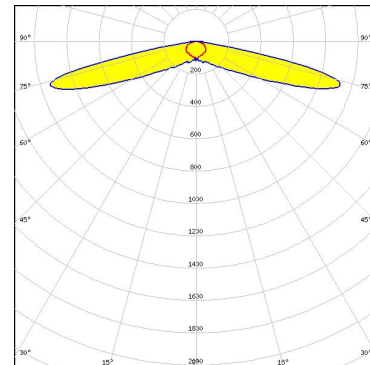
Protective plate, glass

Light distribution files

#### OPTICAL RESULTS (SIMULATED):



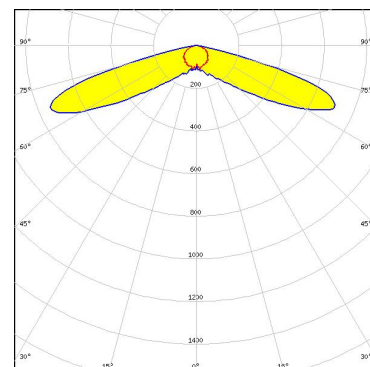
LED NVSW519A  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Duris S8  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

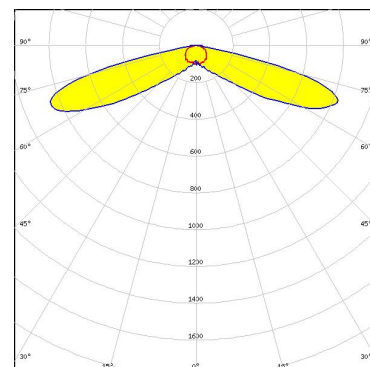


Light distribution files

Protective plate, glass



LED Duris S8  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

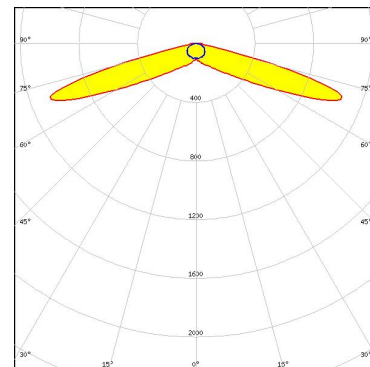


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

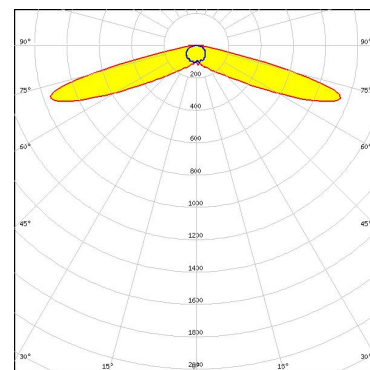
LED OSCONIQ P 3737 (2W version)  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

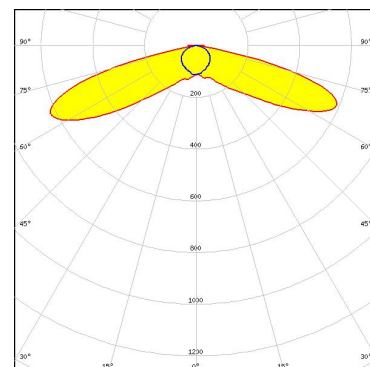
LED OSCONIQ P 3737 (3W version)  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSCONIQ S 5050 (Q9LR33)  
FWHM / FWTM Asymmetric  
Efficiency 80 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



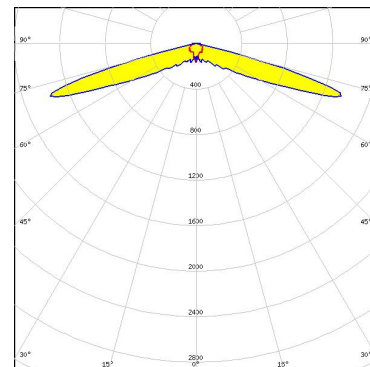
Protective plate, glass

Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

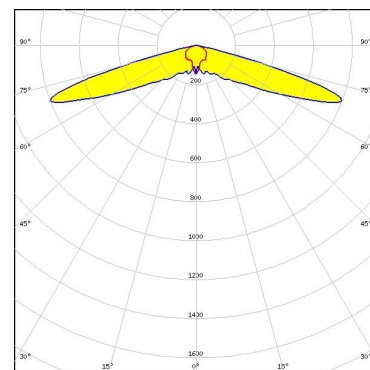
LED OSLON Pure 1414  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

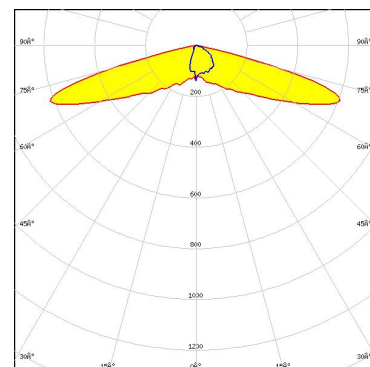
LED OSLON Pure 1414  
FWHM / FWTM Asymmetric  
Efficiency 79 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 57 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C17580\_STRADA-2X2-SHD-WHT



Light distribution files

Protective plate, glass



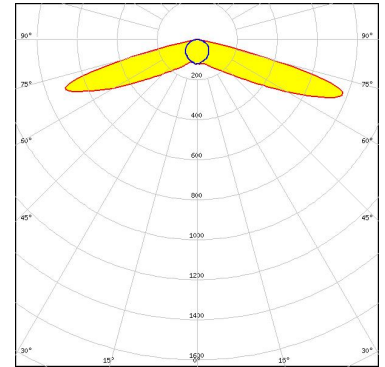
#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 79 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

Light distribution files

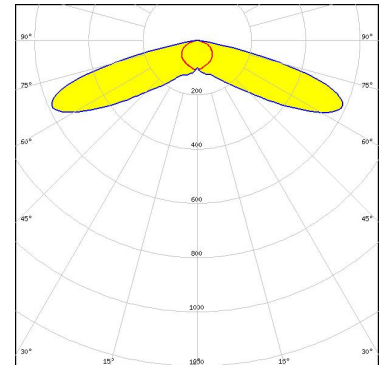


**PHILIPS**

LED Fortimo FastFlex LED 2x8 DA (U)HE  
FWHM / FWTM Asymmetric  
Efficiency 79 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

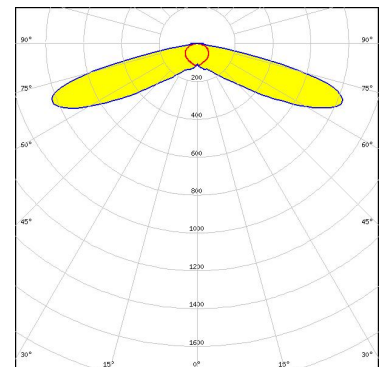
Light distribution files



**PHILIPS**

LED Fortimo FastFlex LED 2x8 DA (U)HE  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



#### OPTICAL RESULTS (SIMULATED):

### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+

FWHM / FWTM Asymmetric

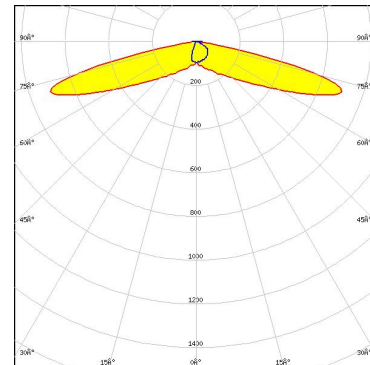
Efficiency 58 %

Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:  
C17677\_STRADA-2X2-SHD-BLK



Light distribution files

### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+

FWHM / FWTM Asymmetric

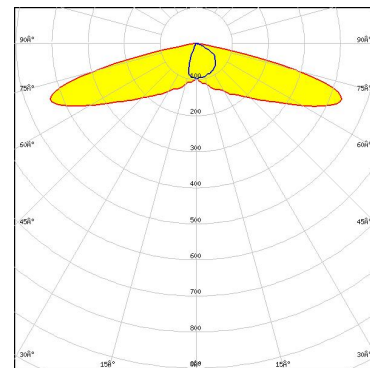
Efficiency 50 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:  
C17677\_STRADA-2X2-SHD-BLK



Light distribution files

Protective plate, glass

### PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4

FWHM / FWTM Asymmetric

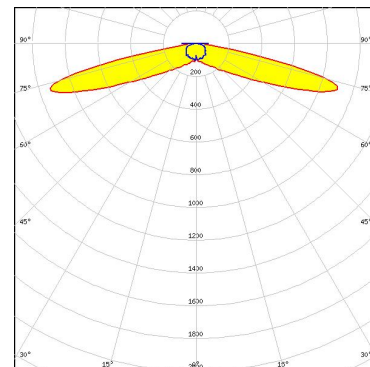
Efficiency 94 %

Peak intensity 0.9 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:



Light distribution files

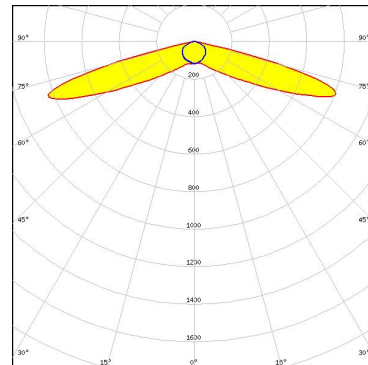
#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

LED	HiLOM RH12 Z (LH351C)
FWHM / FWTM	Asymmetric
Efficiency	80 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

Light distribution files

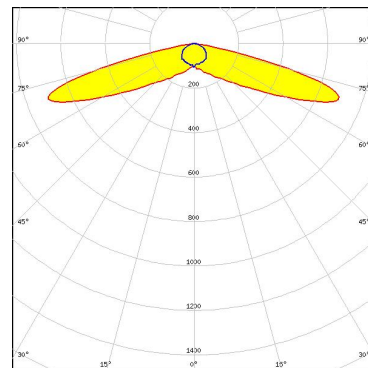


### SAMSUNG

LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

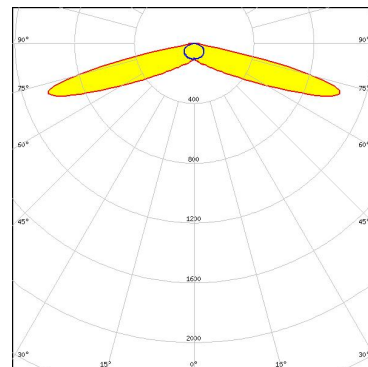
Light distribution files



### SAMSUNG

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

Light distribution files



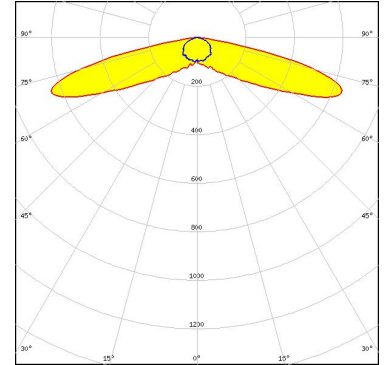
#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

LED LH351D  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

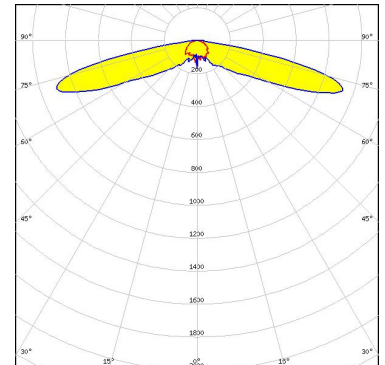
Light distribution files



### SAMSUNG

LED LH351D  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

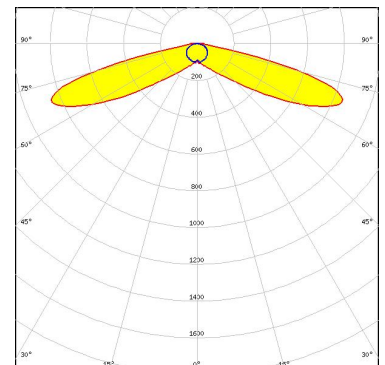
Light distribution files



### SAMSUNG

LED LH502D  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files

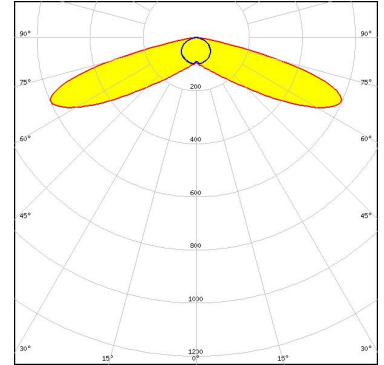


#### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LH502D  
 FWHM / FWTM Asymmetric  
 Efficiency 77 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

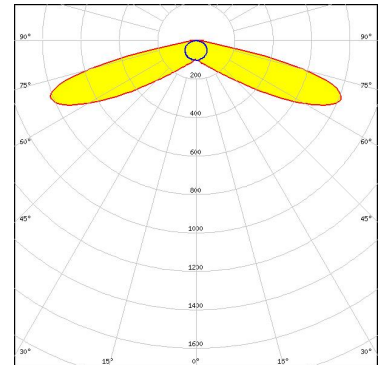
Protective plate, glass



Light distribution files



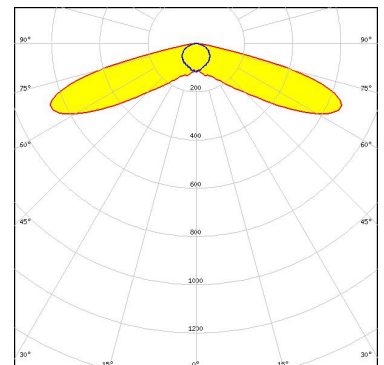
LED MJT 5050  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



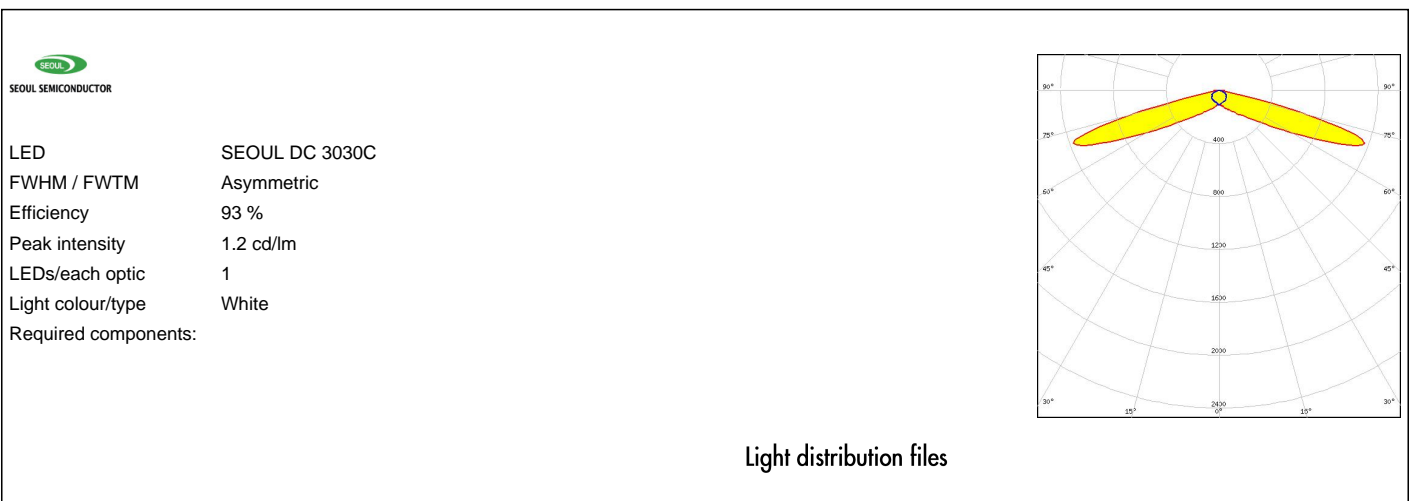
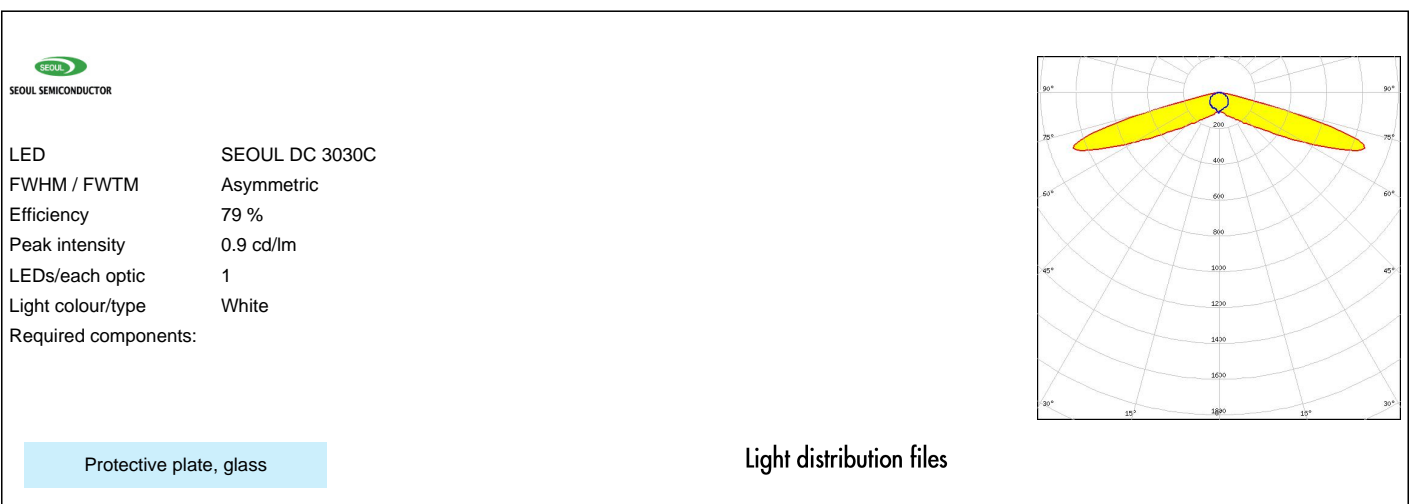
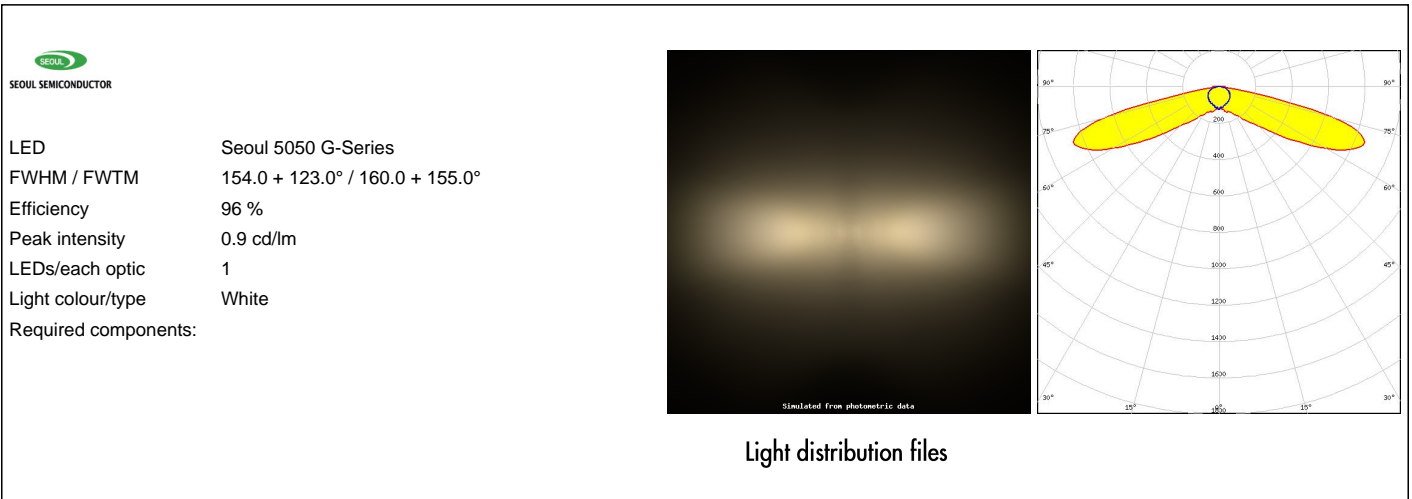
LED Seoul 5050 G-Series  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Protective plate, glass

Light distribution files

#### OPTICAL RESULTS (SIMULATED):



#### OPTICAL RESULTS (SIMULATED):



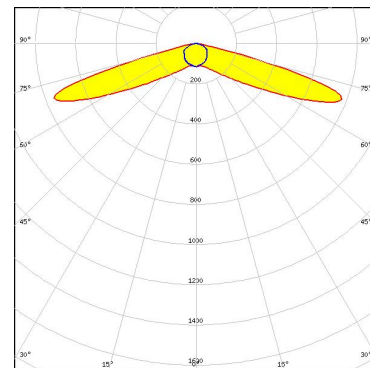
LED: SEOUL DC 5050 6V  
 FWHM / FWTM: Asymmetric  
 Efficiency: 93 %  
 Peak intensity: 0.8 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:

Light distribution files



LED: Z5M3  
 FWHM / FWTM: Asymmetric  
 Efficiency: 77 %  
 Peak intensity: 0.8 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:

Protective plate, glass

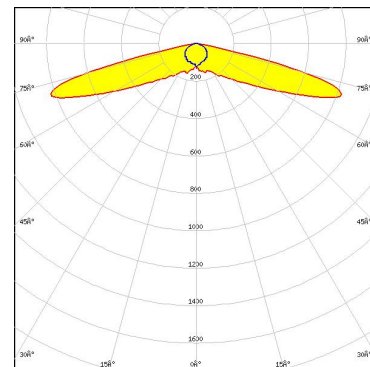


Light distribution files



LED: Z5M3-E1  
 FWHM / FWTM: Asymmetric  
 Efficiency: 83 %  
 Peak intensity: 0.8 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:

Protective plate, glass

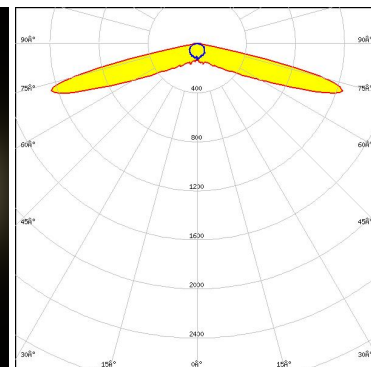


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



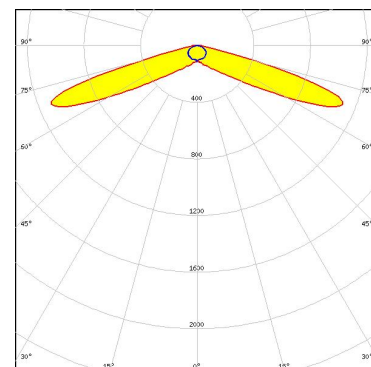
LED Z5M3-E1  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



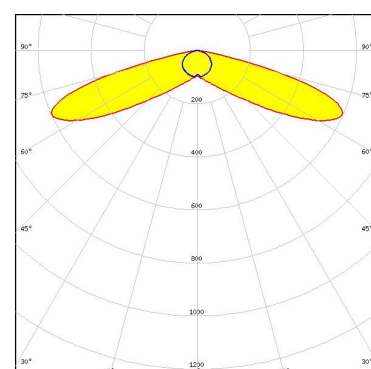
LED Z5M4  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### TRIDONIC

LED RLE 2x8 6000lm HP HE EXC3 OTD  
FWHM / FWTM Asymmetric  
Efficiency 77 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Protective plate, glass

Light distribution files



### 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:

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#### LEDiL Oy

Joensuunkatu 7  
FI-24100 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

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