

## STRADA-2X2-CY

Beam for canopy lighting with batwing light distribution. Suitable for symmetrical tunnel lighting.

## SPECIFICATION:

|                |             |
|----------------|-------------|
| Dimensions     | 50.0 x 50.0 |
| Height         | 6 mm        |
| Fastening      | screw       |
| ROHS compliant | yes ⓘ       |

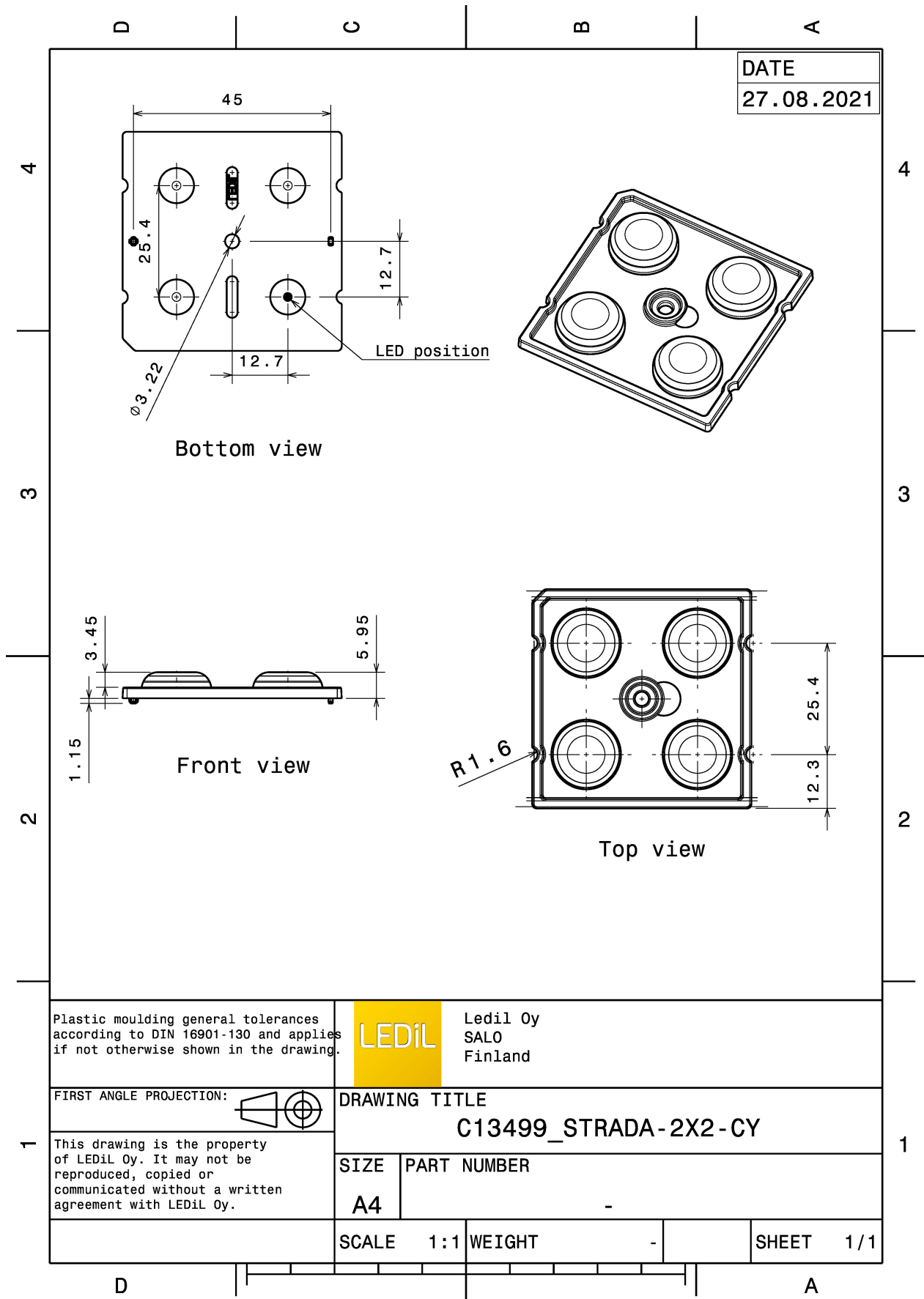


## MATERIALS:

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

## ORDERING INFORMATION:

| Component                                              | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------------------------------|------------|-----|-----|-----------------|
| C13499_STRADA-2X2-CY<br>» Box size: 480 x 280 x 300 mm | 800        | 160 | 160 | 6.2             |

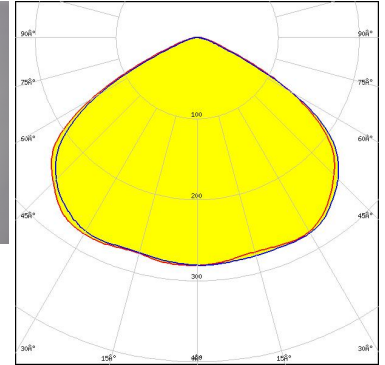


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



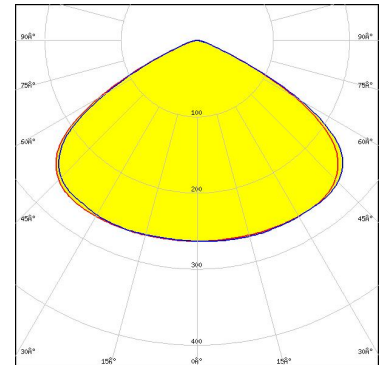
LED Bridgelux SMD 5050  
 FWHM / FWTM 120.0 + 119.0° / 143.0 + 139.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



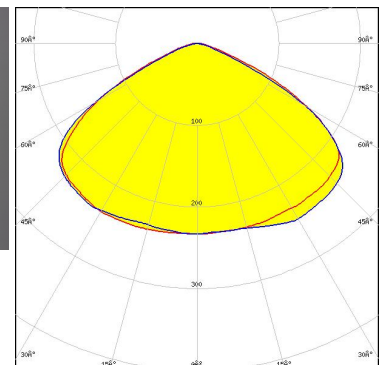
LED J Series 5050C 6V E Class  
 FWHM / FWTM 122.0° / 140.0°  
 Efficiency 98 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XD16  
 FWHM / FWTM 125.0 + 124.0° / 149.0 + 145.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 4  
 Light colour/type White  
 Required components:

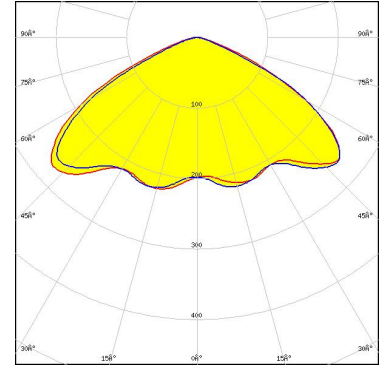


Light distribution files

#### OPTICAL RESULTS (MEASURED):



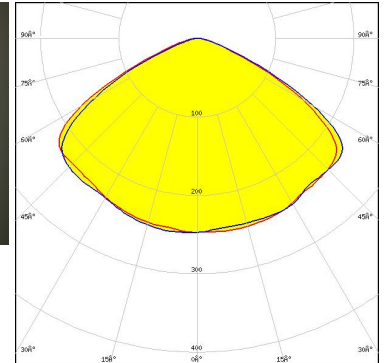
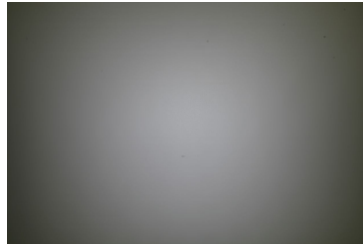
LED XD16  
 FWHM / FWTM 132.0 + 130.0° / 152.0 + 148.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



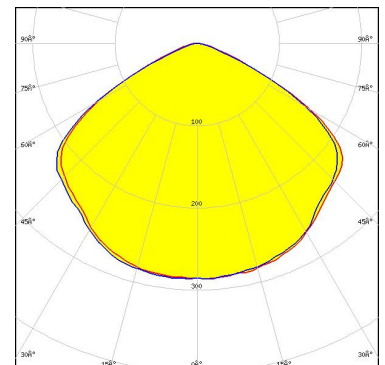
LED XM-L  
 FWHM / FWTM 126.0° / 149.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XM-L2  
 FWHM / FWTM 121.0° / 145.0 + 143.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



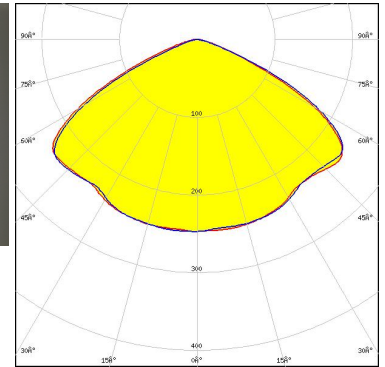
Light distribution files



#### OPTICAL RESULTS (MEASURED):



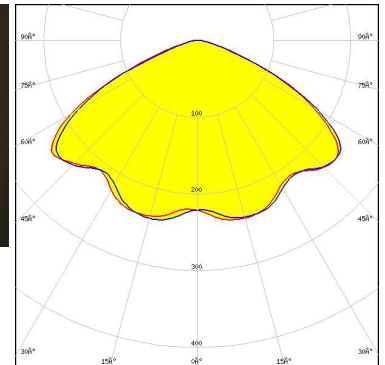
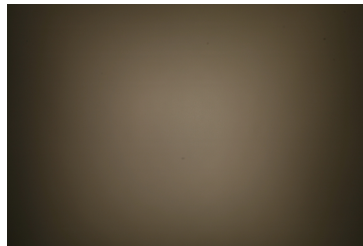
LED XM-L3  
 FWHM / FWTM Asymmetric  
 Efficiency 98 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



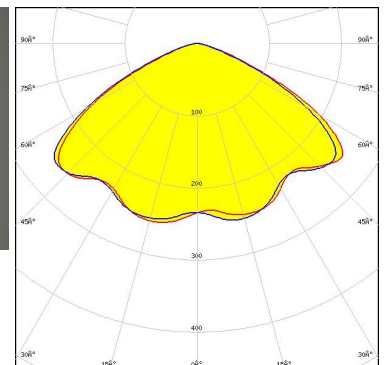
LED XP-G  
 FWHM / FWTM 131.0° / 152.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G2  
 FWHM / FWTM 129.0° / 151.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

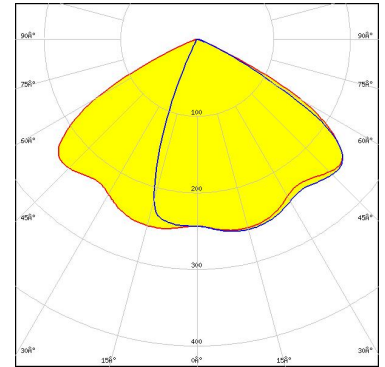


Light distribution files

#### OPTICAL RESULTS (MEASURED):



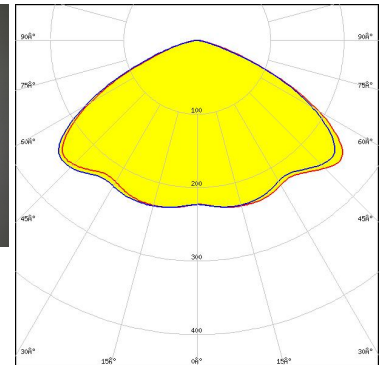
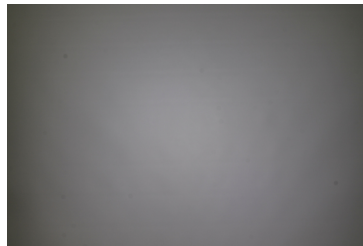
LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 62 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17677\_STRADA-2X2-SHD-BLK



Light distribution files



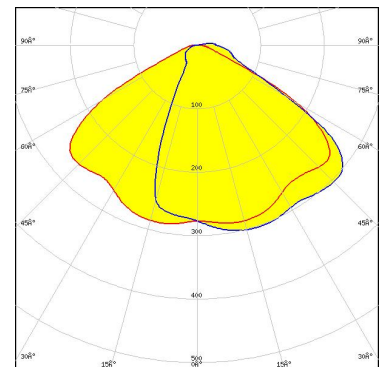
LED XP-G3  
 FWHM / FWTM 131.0 + 132.0° / 154.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17580\_STRADA-2X2-SHD-WHT

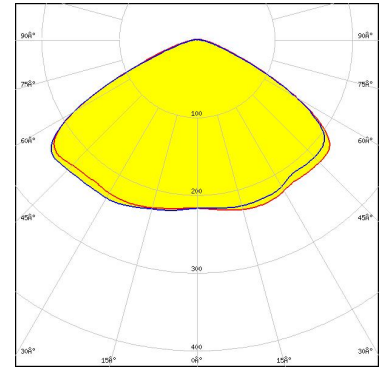


Light distribution files

#### OPTICAL RESULTS (MEASURED):



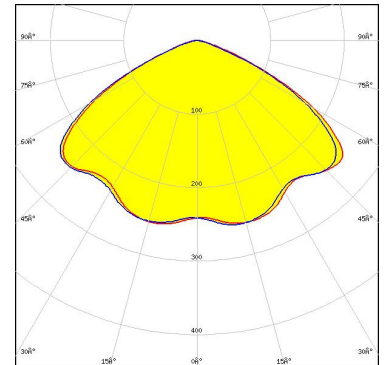
LED XP-L HD  
 FWHM / FWTM 131.0° / 157.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



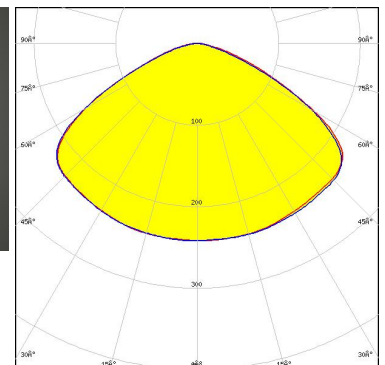
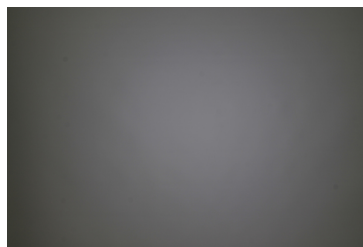
LED XP-L HI  
 FWHM / FWTM 127.0° / 150.0 + 147.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-L2  
 FWHM / FWTM 127.0° / 156.0 + 153.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

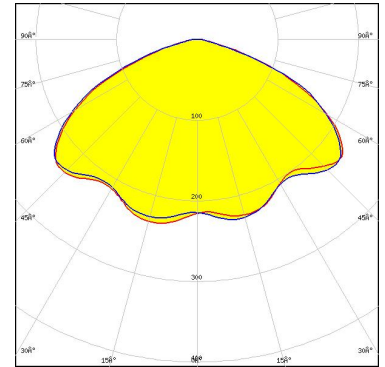


Light distribution files

#### OPTICAL RESULTS (MEASURED):



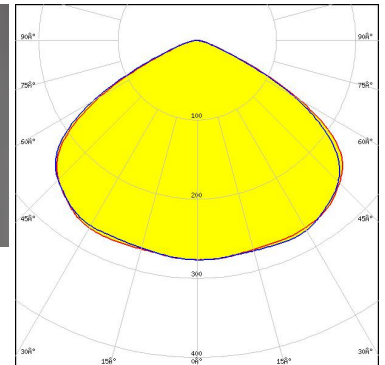
|                      |                 |
|----------------------|-----------------|
| LED                  | XT-E            |
| FWHM / FWTM          | 136.0° / 156.0° |
| Efficiency           | 94 %            |
| Peak intensity       | 0.3 cd/lm       |
| LEDs/each optic      | 1               |
| Light colour/type    | White           |
| Required components: |                 |



Light distribution files



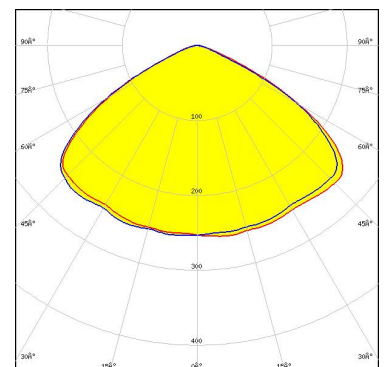
|                      |                       |
|----------------------|-----------------------|
| LED                  | LUXEON 5050 Round LES |
| FWHM / FWTM          | 121.0° / 143.0°       |
| Efficiency           | 94 %                  |
| Peak intensity       | 0.3 cd/lm             |
| LEDs/each optic      | 1                     |
| Light colour/type    | White                 |
| Required components: |                       |



Light distribution files



|                      |                 |
|----------------------|-----------------|
| LED                  | LUXEON MZ       |
| FWHM / FWTM          | 123.0° / 144.0° |
| Efficiency           | 94 %            |
| Peak intensity       | 0.4 cd/lm       |
| LEDs/each optic      | 1               |
| Light colour/type    | White           |
| Required components: |                 |

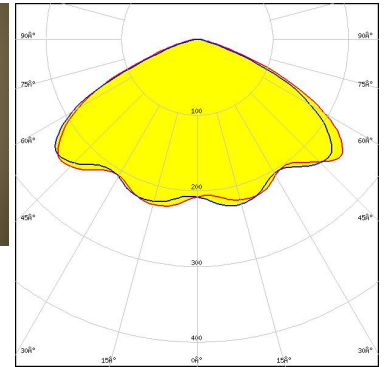
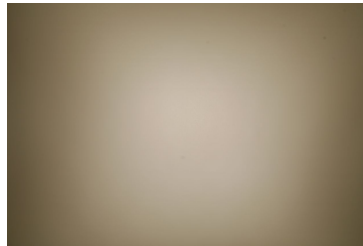


Light distribution files

#### OPTICAL RESULTS (MEASURED):



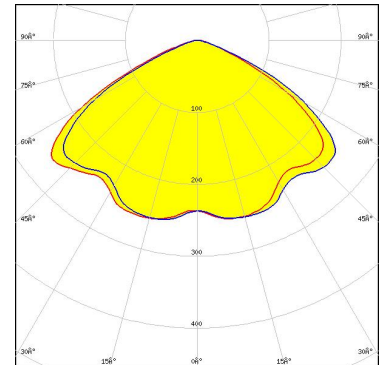
LED LUXEON Q  
 FWHM / FWTM 134.0° / 157.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



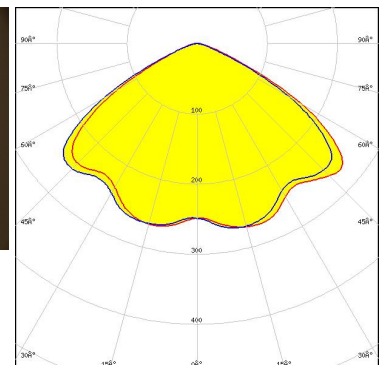
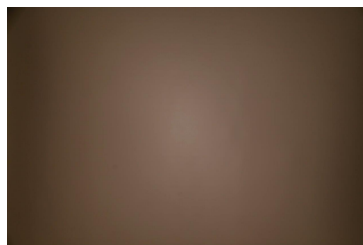
LED LUXEON T  
 FWHM / FWTM 127.0° / 147.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON TX  
 FWHM / FWTM 123.0° / 146.0 + 143.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

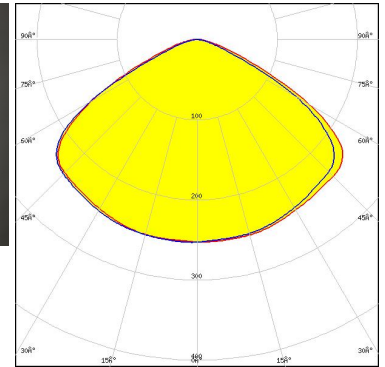
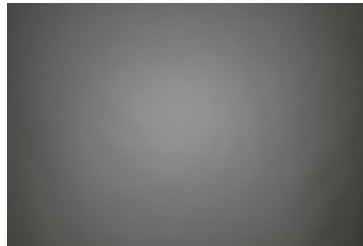


Light distribution files

#### OPTICAL RESULTS (MEASURED):



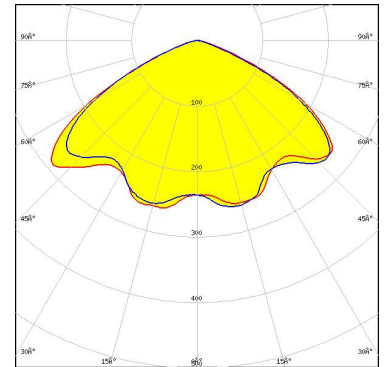
LED LUXEON V  
 FWHM / FWTM 125.0 + 123.0° / 151.0 + 145.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



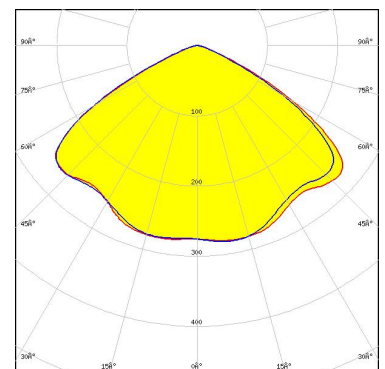
LED SST-10-B130  
 FWHM / FWTM 126.0° / 147.0°  
 Efficiency 97 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type Deep Red  
 Required components:



Light distribution files



LED RecLED 122x50mm 1900lm 730 2x4 Opt G1  
 FWHM / FWTM Asymmetric  
 Efficiency 98 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

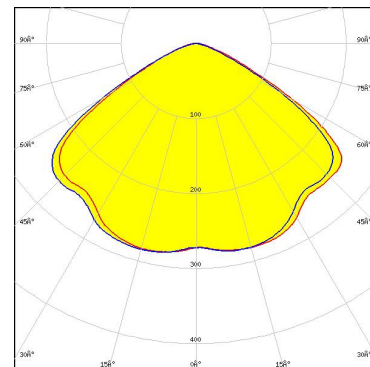


Light distribution files

#### OPTICAL RESULTS (MEASURED):



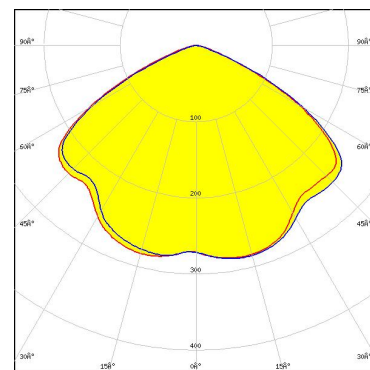
LED NVSW219D  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



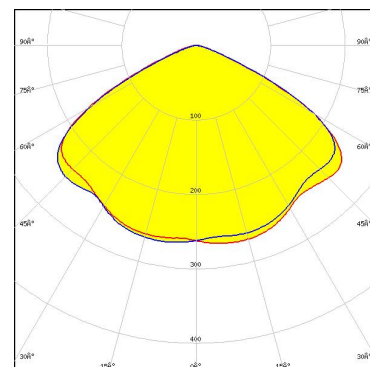
LED NVSW219F  
 FWHM / FWTM 123.0° / 143.0°  
 Efficiency 97 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW319B  
 FWHM / FWTM 125.0° / 144.0°  
 Efficiency 98 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



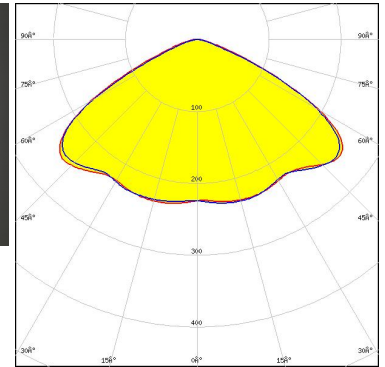
Light distribution files



#### OPTICAL RESULTS (MEASURED):



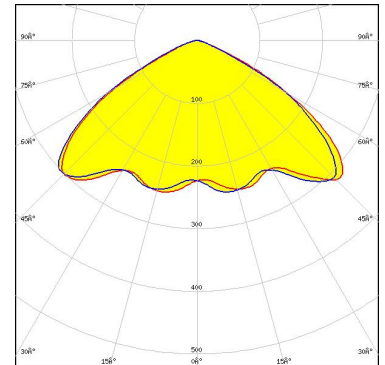
LED NVSW3x9A  
 FWHM / FWTM 129.0 + 128.0° / 151.0 + 148.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



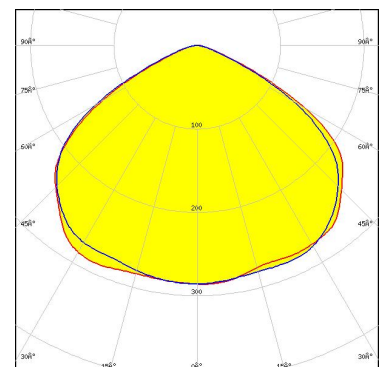
LED NVSxE21A  
 FWHM / FWTM 125.0° / 144.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Duris S8  
 FWHM / FWTM 119.0° / 143.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

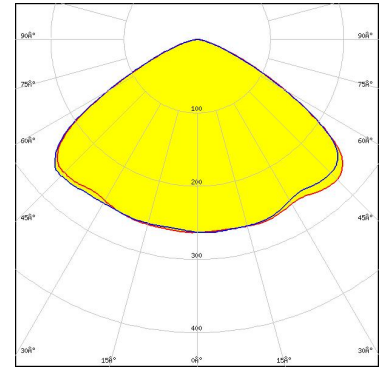


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

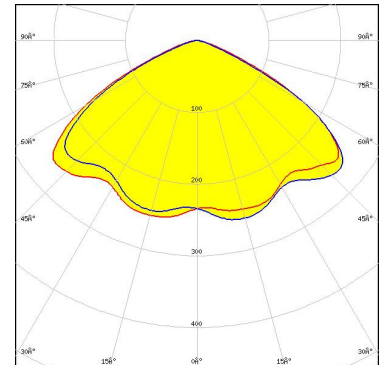
LED OSCONIQ P 3737 (3W version)  
FWHM / FWTM Asymmetric  
Efficiency 98 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

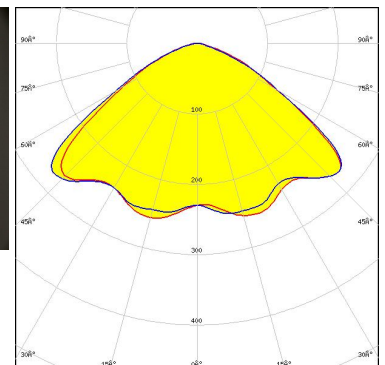
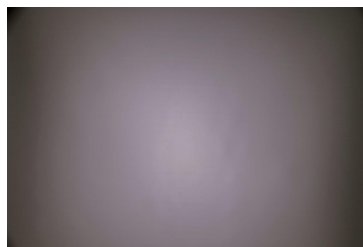
LED OSLOM Square CSSRM2/CSSRM3  
FWHM / FWTM 128.0 + 127.0° / 149.0 + 145.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLOM Square PC  
FWHM / FWTM 122.0° / 154.0°  
Efficiency 94 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

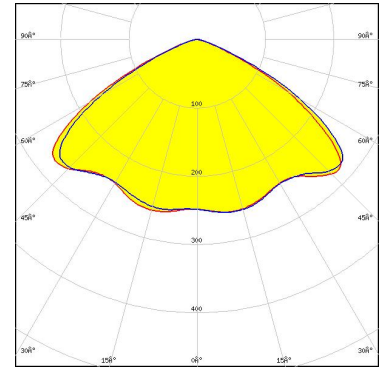


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### PHILIPS

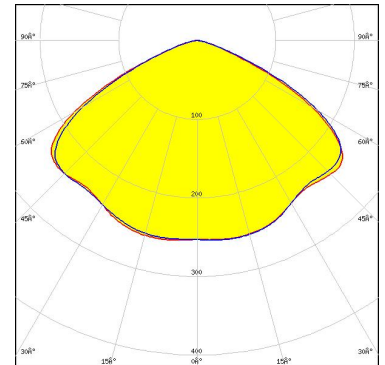
|                      |                                |
|----------------------|--------------------------------|
| LED                  | Fortimo FastFlex LED 2x8 DA G4 |
| FWHM / FWTM          | 125.0° / 145.0°                |
| Efficiency           | 94 %                           |
| Peak intensity       | 0.4 cd/lm                      |
| LEDs/each optic      | 1                              |
| Light colour/type    | White                          |
| Required components: |                                |



Light distribution files

### PHILIPS

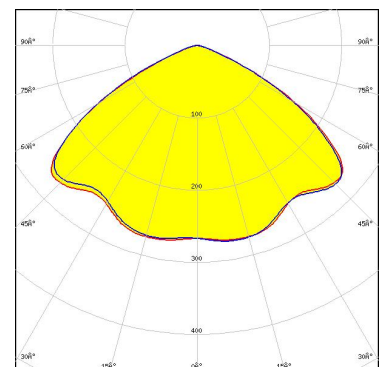
|                      |                                 |
|----------------------|---------------------------------|
| LED                  | Fortimo FastFlex LED 2x8 DA G4+ |
| FWHM / FWTM          | 127.0° / 148.0°                 |
| Efficiency           | 98 %                            |
| Peak intensity       | 0.3 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          | 122.0° / 142.0°                |
| Efficiency           | 98 %                           |
| Peak intensity       | 0.4 cd/lm                      |
| LEDs/each optic      | 1                              |
| Light colour/type    | White                          |
| Required components: |                                |

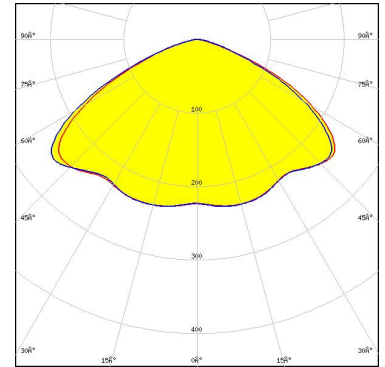


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### PHILIPS

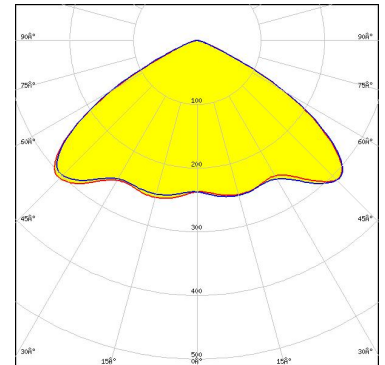
|                      |                                 |
|----------------------|---------------------------------|
| LED                  | Fortimo FastFlex LED 2x8 DAX G4 |
| FWHM / FWTM          | 131.0° / 154.0°                 |
| Efficiency           | 94 %                            |
| Peak intensity       | 0.3 cd/lm                       |
| LEDs/each optic      | 1                               |
| Light colour/type    | White                           |
| Required components: |                                 |



Light distribution files

### SAMSUNG

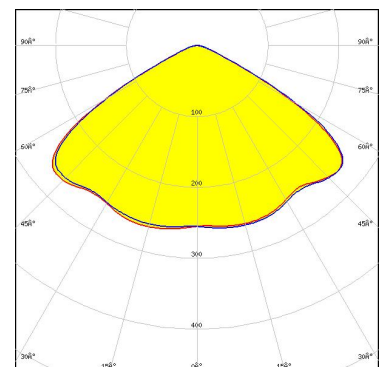
|                      |                       |
|----------------------|-----------------------|
| LED                  | HiLOM RC12 Z (LH181B) |
| FWHM / FWTM          | 120.0° / 138.0°       |
| Efficiency           | 99 %                  |
| Peak intensity       | 0.4 cd/lm             |
| LEDs/each optic      | 1                     |
| Light colour/type    | White                 |
| Required components: |                       |



Light distribution files

### SAMSUNG

|                      |                       |
|----------------------|-----------------------|
| LED                  | HiLOM RH12 Z (LH351C) |
| FWHM / FWTM          | 121.0° / 139.0°       |
| Efficiency           | 97 %                  |
| Peak intensity       | 0.4 cd/lm             |
| LEDs/each optic      | 1                     |
| Light colour/type    | White                 |
| Required components: |                       |

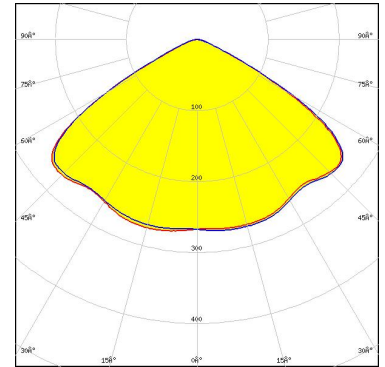


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

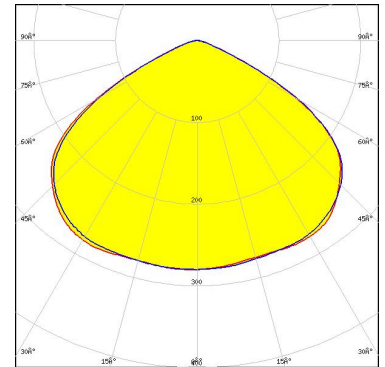
LED HiLOM RH16 (LH351C)  
 FWHM / FWTM 121.0° / 139.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### SAMSUNG

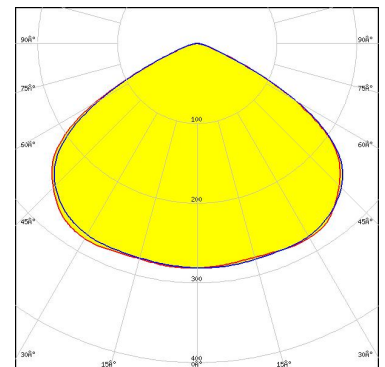
LED HiLOM RM12 Z (LH502C)  
 FWHM / FWTM 120.0° / 141.0°  
 Efficiency 98 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### SAMSUNG

LED HiLOM RM16 Z (LH502C)  
 FWHM / FWTM 120.0° / 141.0°  
 Efficiency 99 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

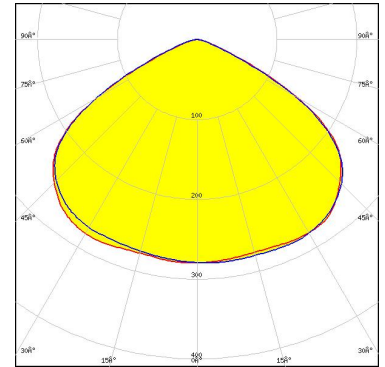


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

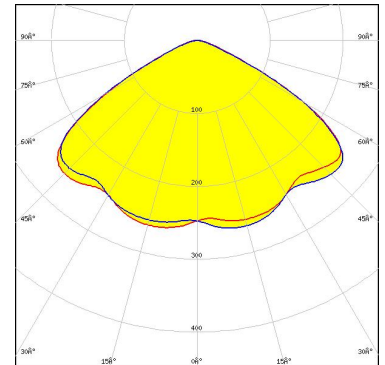
LED HiLOM RM8 Z (LH502C)  
 FWHM / FWTM Asymmetric  
 Efficiency 99 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### SAMSUNG

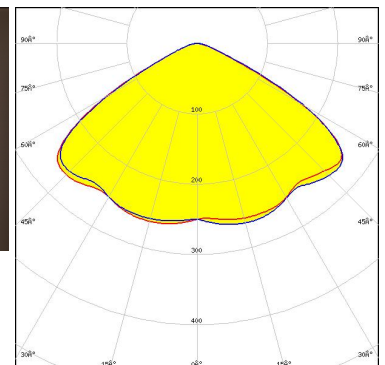
LED LH351B  
 FWHM / FWTM 126.0° / 149.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### SAMSUNG

LED LH351C  
 FWHM / FWTM 123.0° / 144.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

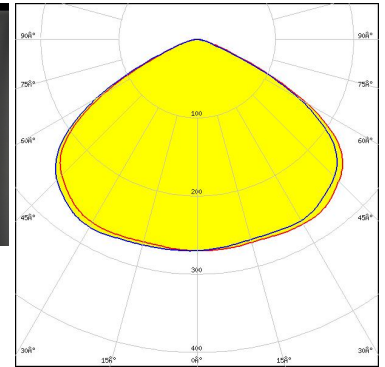


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

LED LH508A  
 FWHM / FWTM 122.0° / 144.0 + 143.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

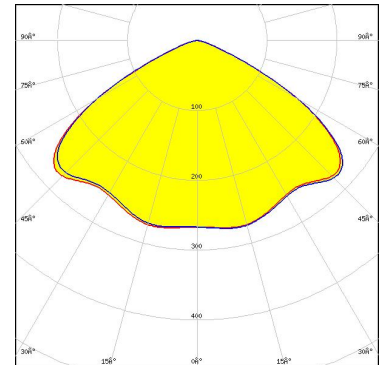


Light distribution files

#### SEITEC

Elektronik GmbH

LED LED-Pa-L15c2W11c2-xxx-C050-01  
 FWHM / FWTM 123.0° / 142.0°  
 Efficiency 98 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

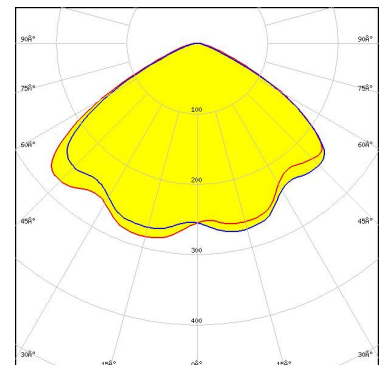


Light distribution files



SEOUL SEMICONDUCTOR

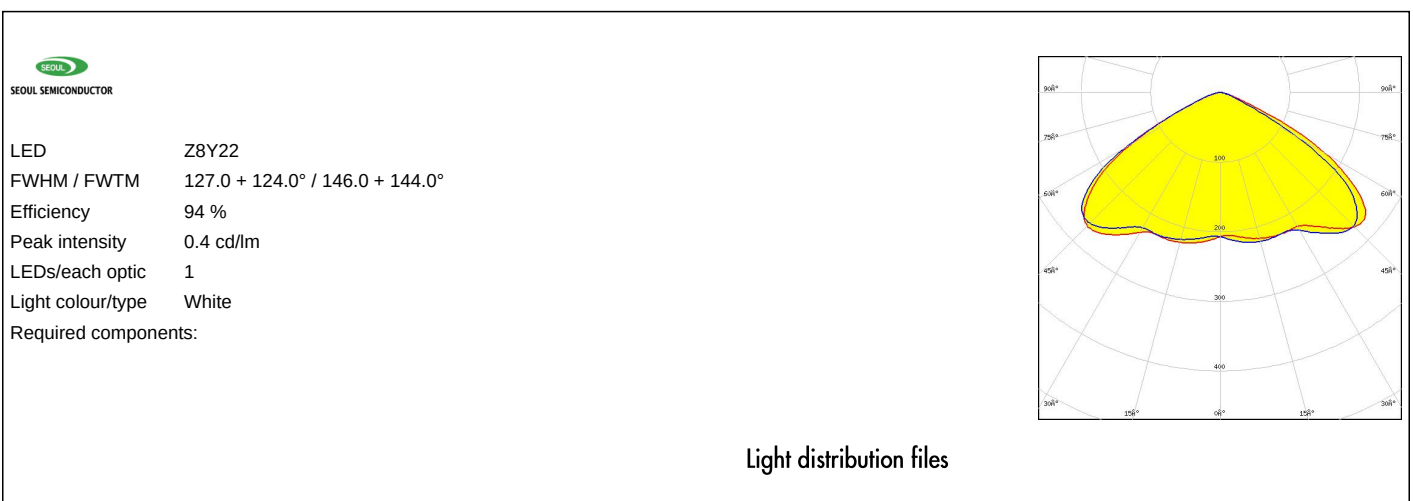
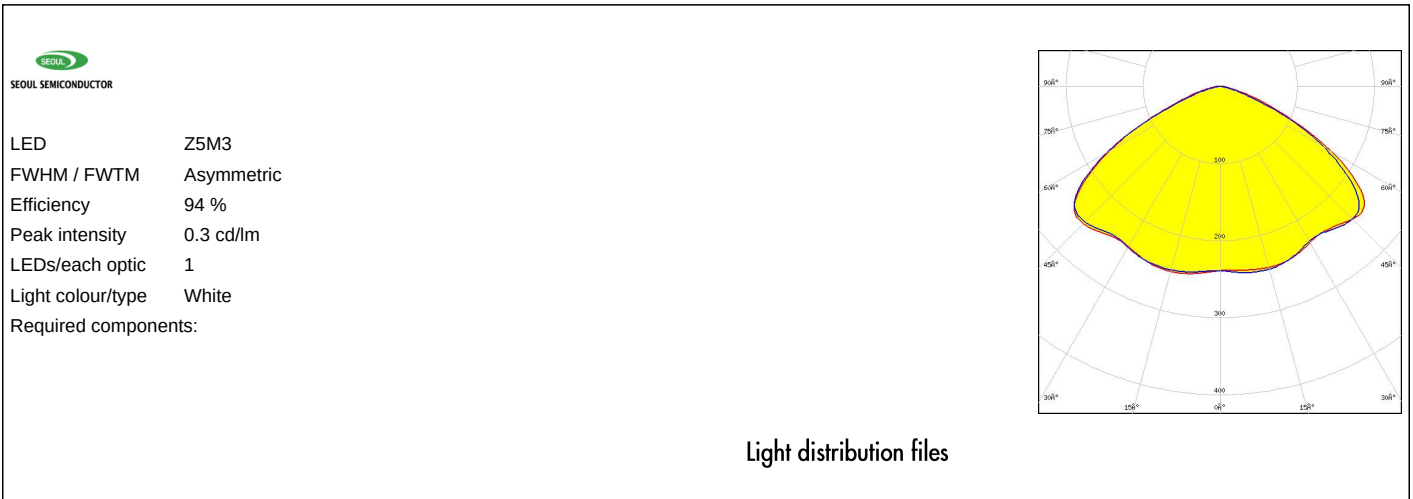
LED Z5M1/Z5M2  
 FWHM / FWTM 122.0° / 149.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



#### OPTICAL RESULTS (MEASURED):

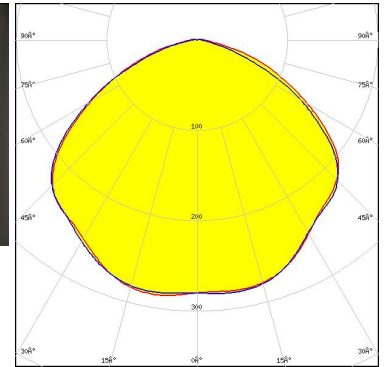
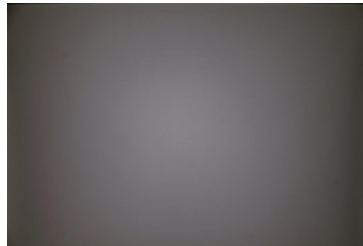


#### OPTICAL RESULTS (MEASURED):

##### TOSHIBA

Leading Innovation >>>

LED TL1L3  
 FWHM / FWTM 118.0° / 154.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

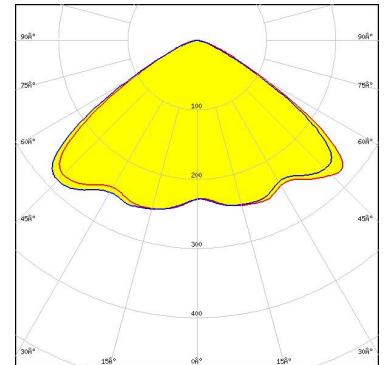


Light distribution files

##### TOSHIBA

Leading Innovation >>>

LED TL1L4  
 FWHM / FWTM 119.0° / 146.0°  
 Efficiency 91 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

##### TRIDONIC

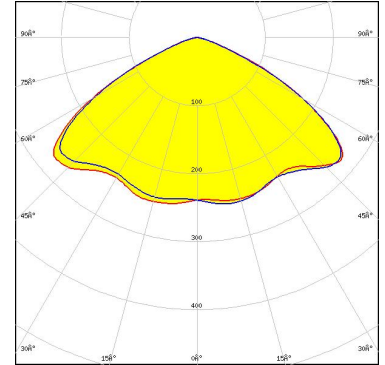
LED RLE 2x4 2000lm HP EXC2 OTD  
 FWHM / FWTM 128.0° / 147.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### TRIDONIC

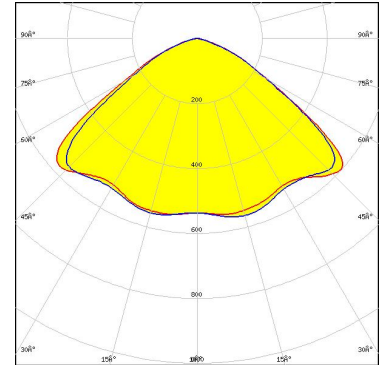
LED RLE 2x8 4000lm HP EXC2 OTD  
 FWHM / FWTM 128.0° / 147.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### TRIDONIC

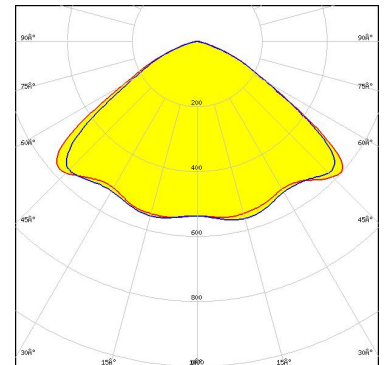
LED RLE G1 49x121mm 2000lm xxx EXC OTD  
 FWHM / FWTM 119.0 + 117.0° / 147.0 + 146.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD  
 FWHM / FWTM 119.0 + 117.0° / 147.0 + 146.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

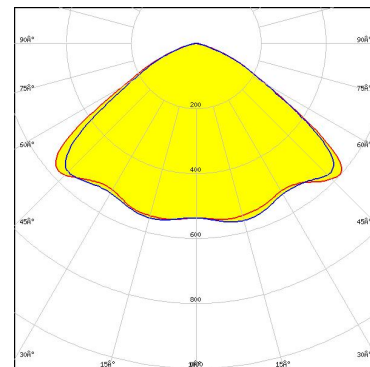


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### TRIDONIC

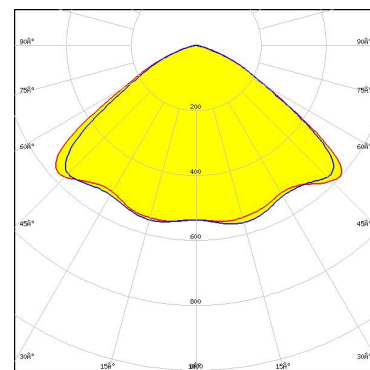
LED RLE G1 49x223mm 4000lm xxx EXC OTD  
 FWHM / FWTM 119.0 + 117.0° / 147.0 + 146.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD  
 FWHM / FWTM 119.0 + 117.0° / 147.0 + 146.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

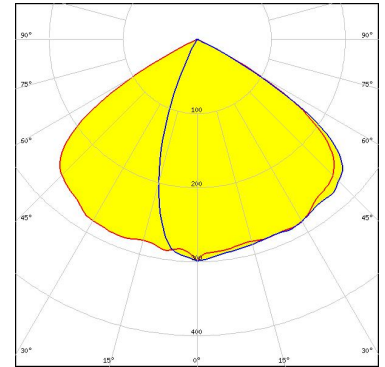


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



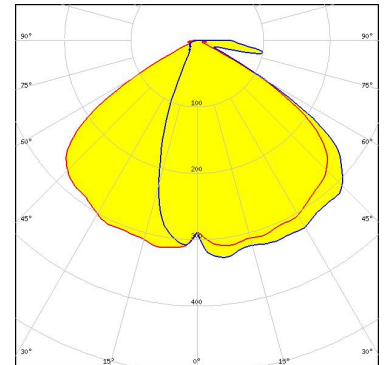
LED J Series 5050C 6V E Class  
 FWHM / FWTM Asymmetric  
 Efficiency 63 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17677\_STRADA-2X2-SHD-BLK



Light distribution files



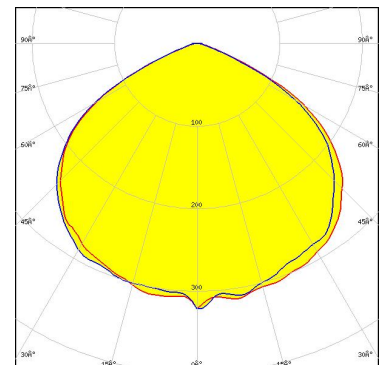
LED J Series 5050C 6V E Class  
 FWHM / FWTM Asymmetric  
 Efficiency 74 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17580\_STRADA-2X2-SHD-WHT



Light distribution files



LED MHB-A/B  
 FWHM / FWTM 117.0 + 116.0° / 140.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

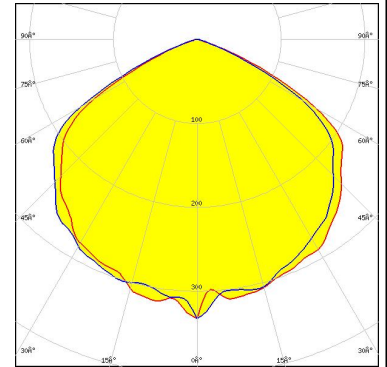


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



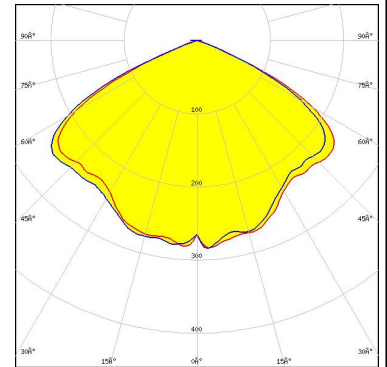
LED XHP35 HD  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



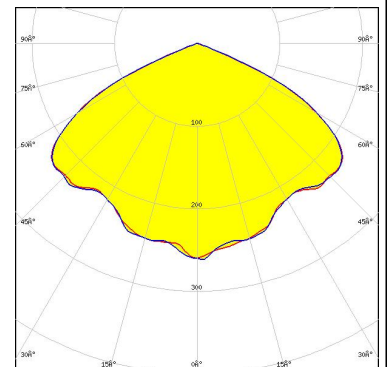
LED XP-G2 HE  
FWHM / FWTM 126.0° / 138.0°  
Efficiency 95 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-G3  
FWHM / FWTM 126.0° / 138.0°  
Efficiency 86 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



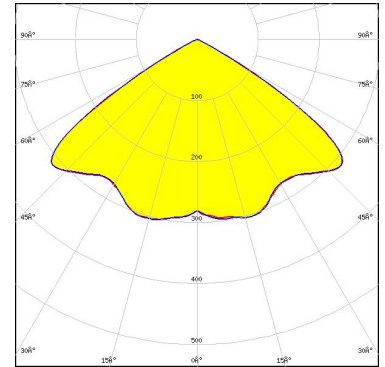
Protective plate, glass

Light distribution files

#### OPTICAL RESULTS (SIMULATED):



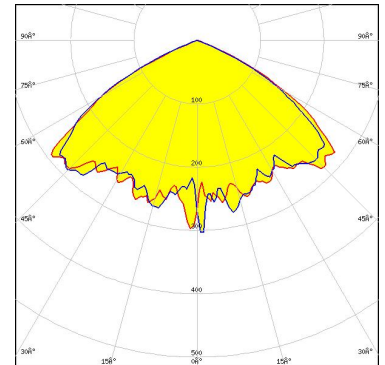
LED XP-G4  
 FWHM / FWTM 116.0° / 126.0°  
 Efficiency 96 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



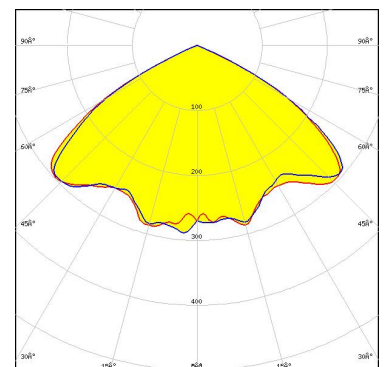
LED PrevaLED Brick HP 2x8  
 FWHM / FWTM 122.0° / 136.0°  
 Efficiency 92 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM 118.0° / 131.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



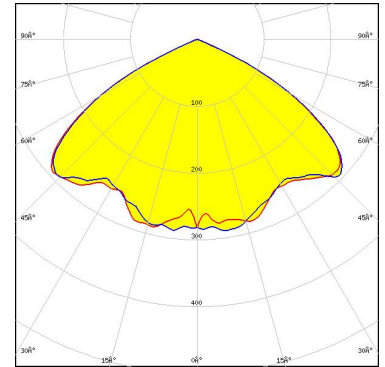
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



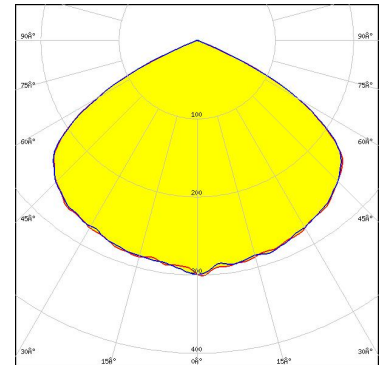
LED LUXEON 3030 2D (Square LES)  
 FWHM / FWTM 119.0° / 133.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



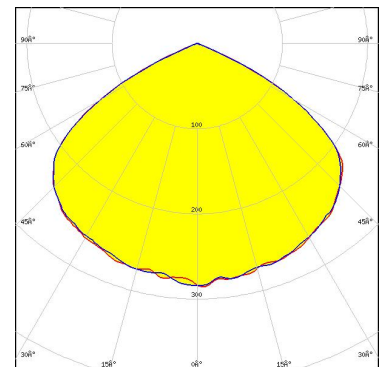
LED LUXEON 5050 HE  
 FWHM / FWTM 120.0° / 134.0°  
 Efficiency 96 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 5050 HE  
 FWHM / FWTM 118.0° / 134.0°  
 Efficiency 89 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



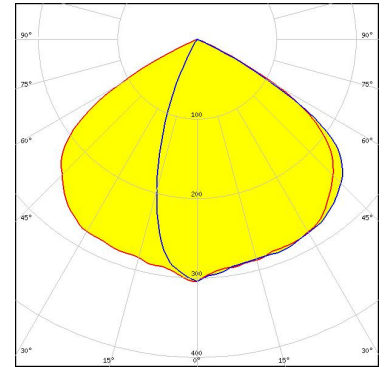
Protective plate, glass

Light distribution files

#### OPTICAL RESULTS (SIMULATED):



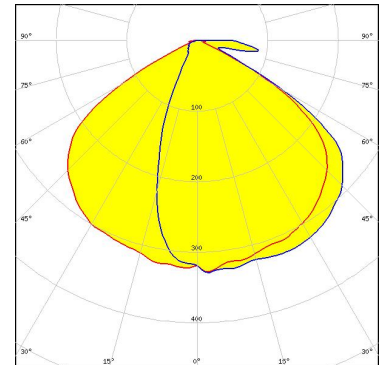
LED LUXEON 5050 HE Plus  
 FWHM / FWTM Asymmetric  
 Efficiency 62 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17677\_STRADA-2X2-SHD-BLK



Light distribution files



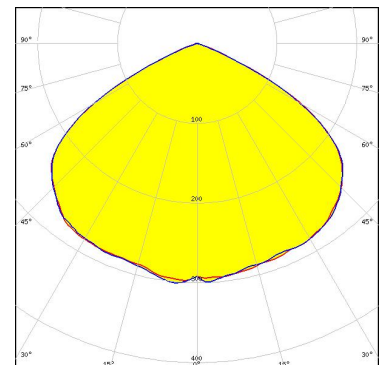
LED LUXEON 5050 HE Plus  
 FWHM / FWTM Asymmetric  
 Efficiency 74 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17580\_STRADA-2X2-SHD-WHT



Light distribution files



LED LUXEON 5050 HE Plus  
 FWHM / FWTM 120.0° / 136.0°  
 Efficiency 96 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

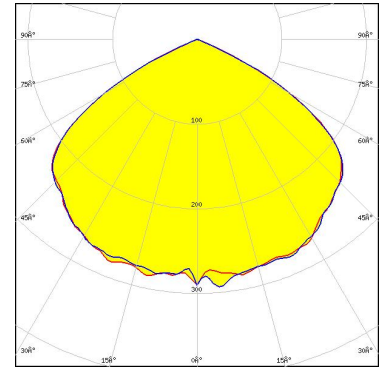
#### OPTICAL RESULTS (SIMULATED):



LED LUXEON 5050 Round LES  
 FWHM / FWTM 117.0° / 132.0°  
 Efficiency 89 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

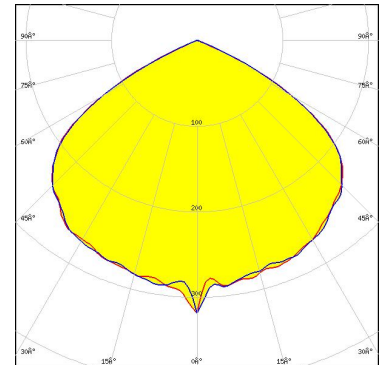
Light distribution files



LED LUXEON 5050 Square LES  
 FWHM / FWTM 114.0° / 132.0°  
 Efficiency 89 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

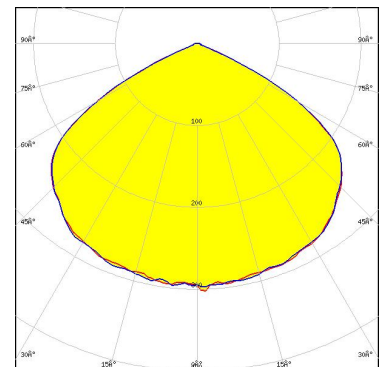
Protective plate, glass

Light distribution files



LED LUXEON 5050 Square LES  
 FWHM / FWTM 118.0° / 134.0°  
 Efficiency 96 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



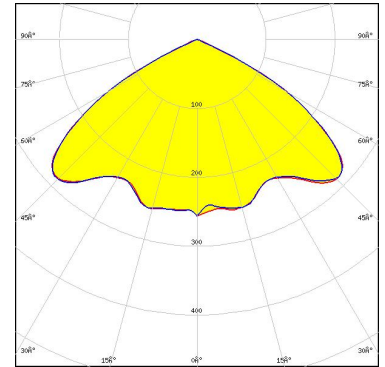
#### OPTICAL RESULTS (SIMULATED):



LED LUXEON HL2Z  
 FWHM / FWTM 120.0° / 132.0°  
 Efficiency 89 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

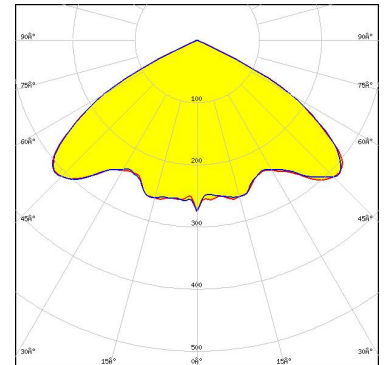
Protective plate, glass

Light distribution files



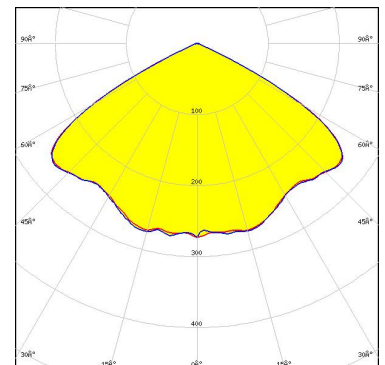
LED LUXEON HL2Z  
 FWHM / FWTM 122.0° / 132.0°  
 Efficiency 96 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)  
 FWHM / FWTM 122.0° / 132.0°  
 Efficiency 96 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



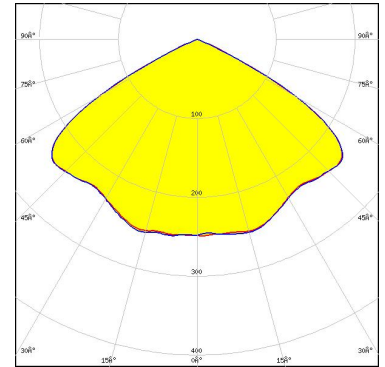
#### OPTICAL RESULTS (SIMULATED):



|                      |                                     |
|----------------------|-------------------------------------|
| LED                  | LUXEON XR-HL2X (L2H2-xxxxxxxMLU010) |
| FWHM / FWTM          | 122.0° / 132.0°                     |
| Efficiency           | 86 %                                |
| Peak intensity       | 0.3 cd/lm                           |
| LEDs/each optic      | 1                                   |
| Light colour/type    | White                               |
| Required components: |                                     |

Protective plate, glass

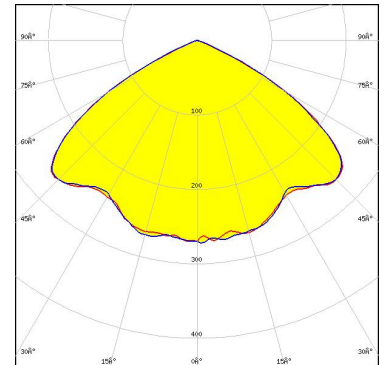
Light distribution files



|                      |                 |
|----------------------|-----------------|
| LED                  | NF2x757G        |
| FWHM / FWTM          | 120.0° / 134.0° |
| Efficiency           | 89 %            |
| Peak intensity       | 0.3 cd/lm       |
| LEDs/each optic      | 1               |
| Light colour/type    | White           |
| Required components: |                 |

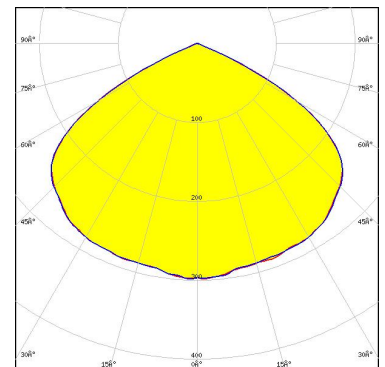
Protective plate, glass

Light distribution files



|                      |                 |
|----------------------|-----------------|
| LED                  | NFMW48xA        |
| FWHM / FWTM          | 120.0° / 134.0° |
| Efficiency           | 96 %            |
| Peak intensity       | 0.3 cd/lm       |
| LEDs/each optic      | 1               |
| Light colour/type    | White           |
| Required components: |                 |

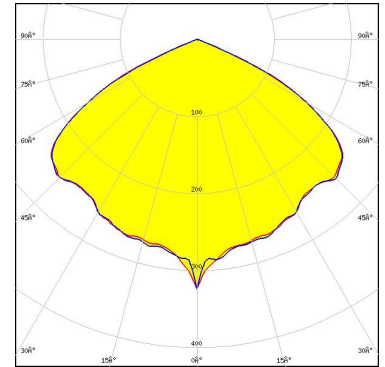
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



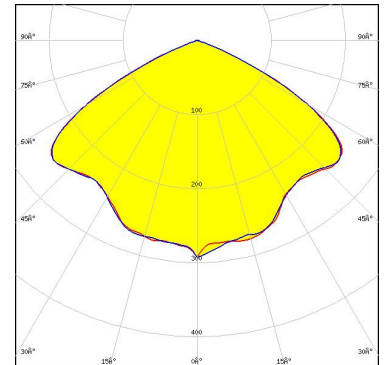
LED NV4WB35AM  
 FWHM / FWTM 120.0° / 136.0°  
 Efficiency 96 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



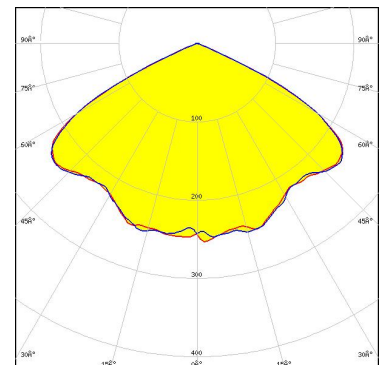
LED NVSW219F  
 FWHM / FWTM 122.0° / 138.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW319B  
 FWHM / FWTM 126.0° / 134.0°  
 Efficiency 88 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Protective plate, glass

Light distribution files

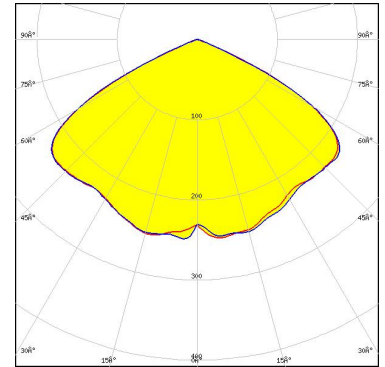
#### OPTICAL RESULTS (SIMULATED):



LED NVSW519A  
 FWHM / FWTM 125.0° / 136.0°  
 Efficiency 89 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

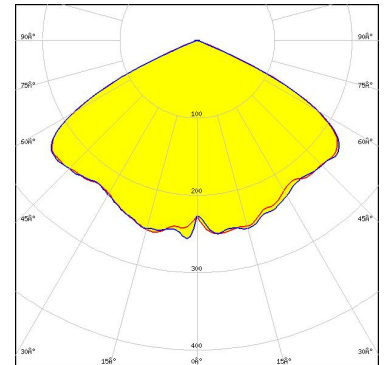
Protective plate, glass

Light distribution files



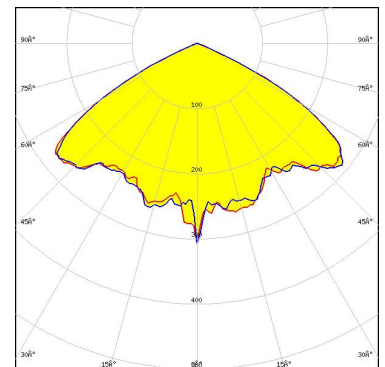
LED NVSW519A  
 FWHM / FWTM 126.0° / 136.0°  
 Efficiency 93 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 122.0° / 132.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files

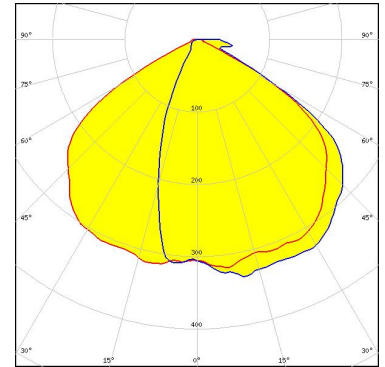




#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

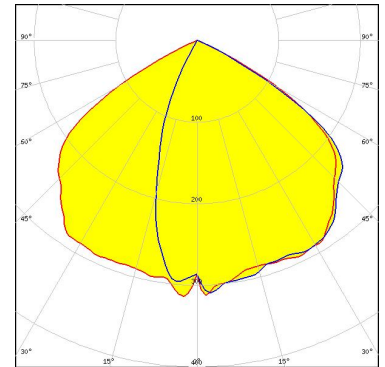
LED Duris S8  
FWHM / FWTM Asymmetric  
Efficiency 73 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C17580\_STRADA-2X2-SHD-WHT



Light distribution files

**OSRAM**  
Opto Semiconductors

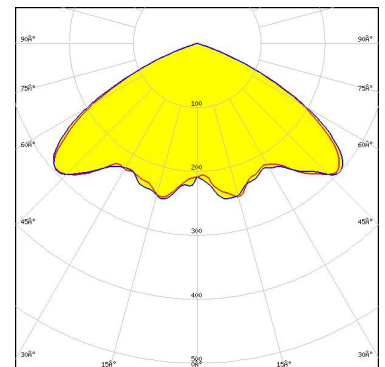
LED Duris S8  
FWHM / FWTM Asymmetric  
Efficiency 63 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C17677\_STRADA-2X2-SHD-BLK



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 3030  
FWHM / FWTM 125.0° / 141.0°  
Efficiency 96 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

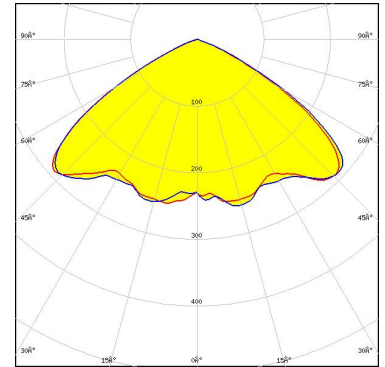


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

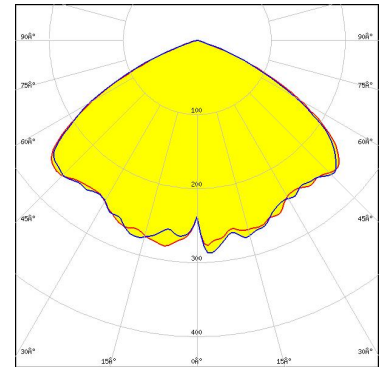
LED OSCONIQ P 3737 (2W version)  
FWHM / FWTM 114.0° / 134.0°  
Efficiency 93 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

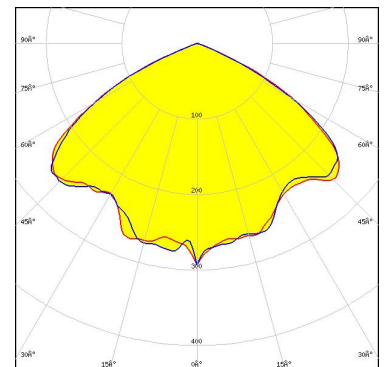
LED OSCONIQ P 3737 (3W version)  
FWHM / FWTM 106.0 + 114.0° / 129.0 + 133.0°  
Efficiency 94 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLOM Square CSSRM2/CSSRM3  
FWHM / FWTM 122.0° / 134.0°  
Efficiency 89 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Protective plate, glass

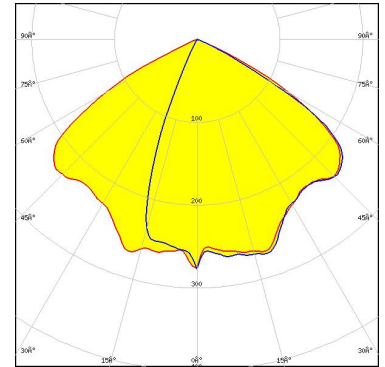
Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 57 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C17677\_STRADA-2X2-SHD-BLK

Protective plate, glass

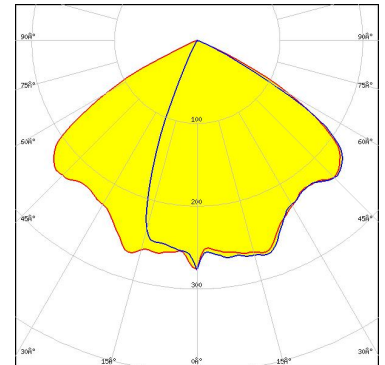


Light distribution files

**PHILIPS**

LED Fortimo FastFlex LED 2x2 DA G5  
FWHM / FWTM Asymmetric  
Efficiency 57 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C17677\_STRADA-2X2-SHD-BLK

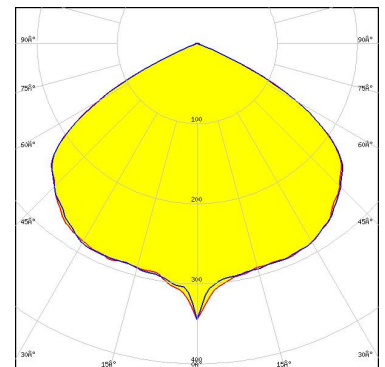
Protective plate, glass



Light distribution files

**PHILIPS**

LED Fortimo FastFlex LED 2x8 DA (U)HE  
FWHM / FWTM 116.0° / 132.0°  
Efficiency 96 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

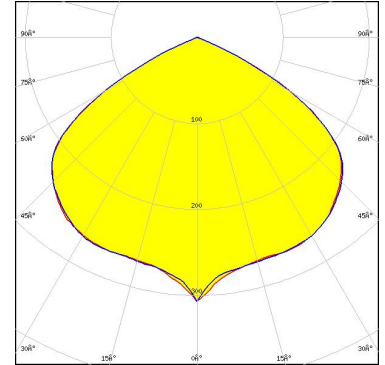
#### OPTICAL RESULTS (SIMULATED):

### PHILIPS

|                      |                                   |
|----------------------|-----------------------------------|
| LED                  | Fortimo FastFlex LED 2x8 DA (U)HE |
| FWHM / FWTM          | 116.0° / 132.0°                   |
| Efficiency           | 87 %                              |
| Peak intensity       | 0.3 cd/lm                         |
| LEDs/each optic      | 1                                 |
| Light colour/type    | White                             |
| Required components: |                                   |

Protective plate, glass

Light distribution files

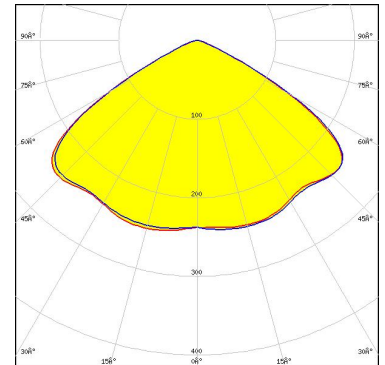


### SAMSUNG

|                      |                       |
|----------------------|-----------------------|
| LED                  | HiLOM RH12 Z (LH351C) |
| FWHM / FWTM          | 121.0° / 138.0°       |
| Efficiency           | 87 %                  |
| Peak intensity       | 0.3 cd/lm             |
| LEDs/each optic      | 1                     |
| Light colour/type    | White                 |
| Required components: |                       |

Protective plate, glass

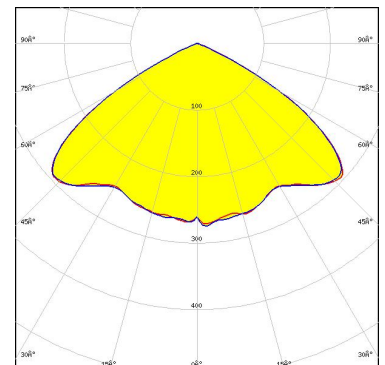
Light distribution files



### SAMSUNG

|                      |                 |
|----------------------|-----------------|
| LED                  | LH231B          |
| FWHM / FWTM          | 120.0° / 132.0° |
| Efficiency           | 95 %            |
| Peak intensity       | 0.4 cd/lm       |
| LEDs/each optic      | 1               |
| Light colour/type    | White           |
| Required components: |                 |

Light distribution files



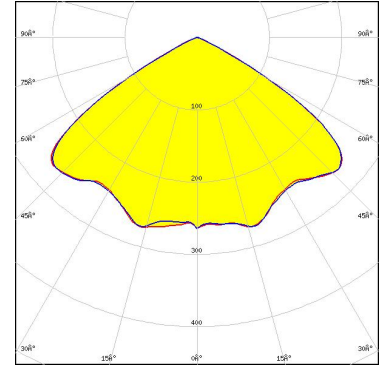
#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

LED LH351B  
 FWHM / FWTM 118.0° / 130.0°  
 Efficiency 89 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

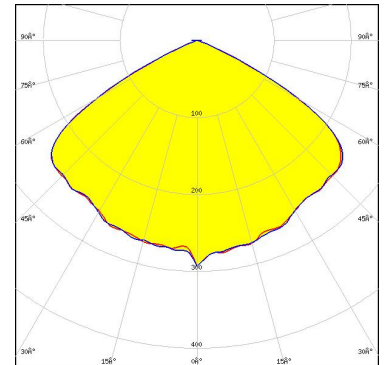
Light distribution files



### SAMSUNG

LED LH351D  
 FWHM / FWTM 120.0° / 134.0°  
 Efficiency 95 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

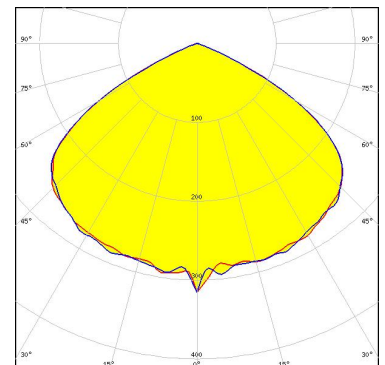
Light distribution files



### SAMSUNG

LED LH502D  
 FWHM / FWTM 118.0° / 134.0°  
 Efficiency 96 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

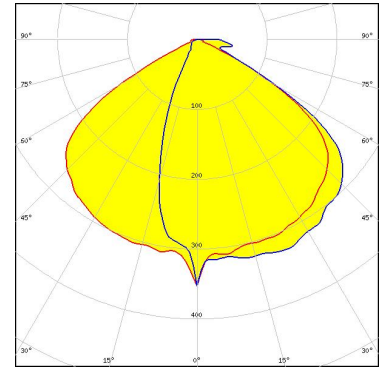
Light distribution files



#### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

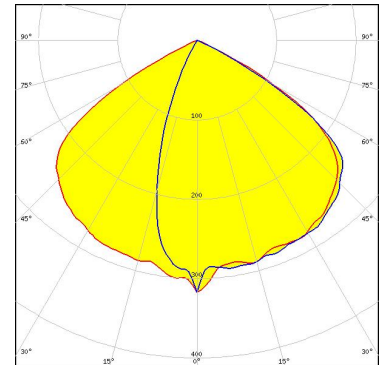
LED LH502D  
 FWHM / FWTM Asymmetric  
 Efficiency 73 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17580\_STRADA-2X2-SHD-WHT



Light distribution files

#### SAMSUNG

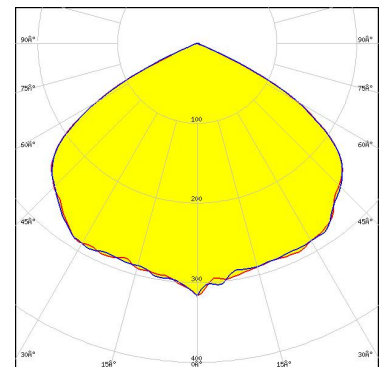
LED LH502D  
 FWHM / FWTM Asymmetric  
 Efficiency 62 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17677\_STRADA-2X2-SHD-BLK



Light distribution files



LED MJT 5050  
 FWHM / FWTM 118.0° / 132.0°  
 Efficiency 96 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

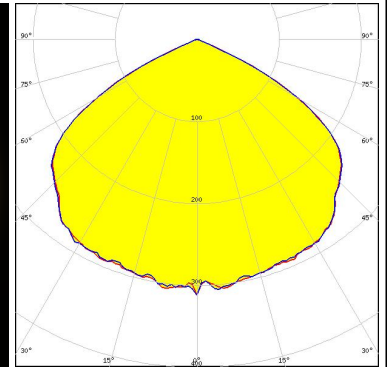
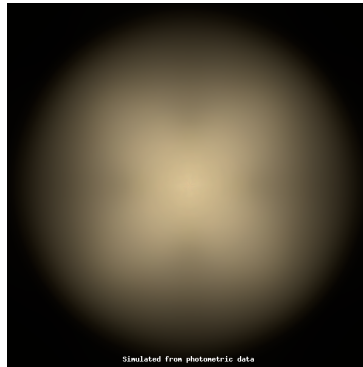


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



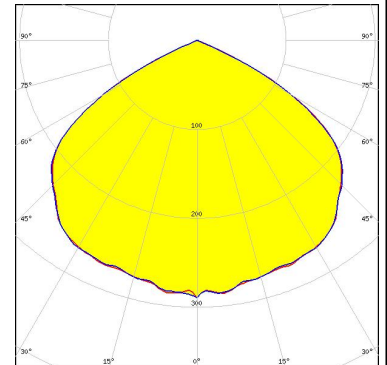
LED Seoul 5050 G-Series  
 FWHM / FWTM 118.0° / 132.0°  
 Efficiency 96 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Seoul 5050 G-Series  
 FWHM / FWTM 116.0° / 132.0°  
 Efficiency 88 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

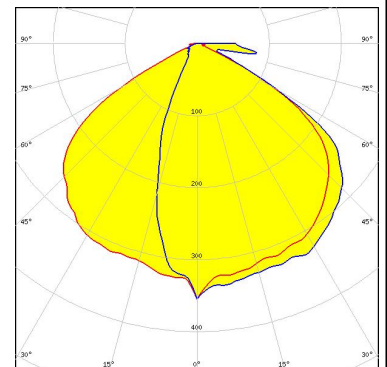


Protective plate, glass

Light distribution files



LED SEOUL DC 5050 6V  
 FWHM / FWTM Asymmetric  
 Efficiency 74 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17580\_STRADA-2X2-SHD-WHT



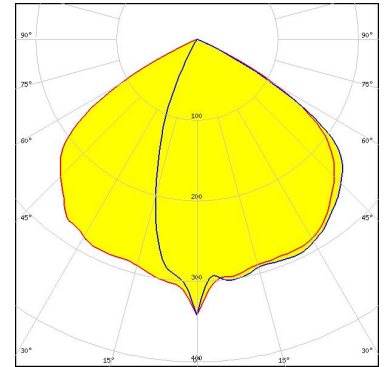
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



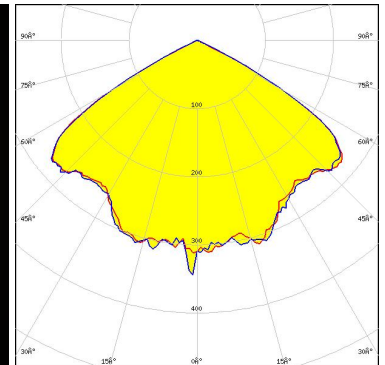
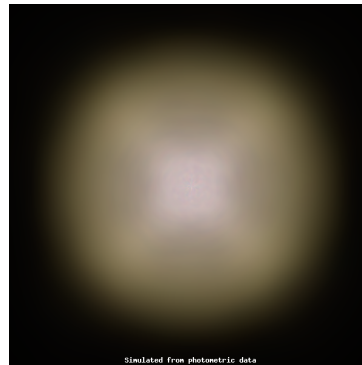
LED: SEOUL DC 5050 6V  
 FWHM / FWTM: Asymmetric  
 Efficiency: 63 %  
 Peak intensity: 0.3 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:  
 C17677\_STRADA-2X2-SHD-BLK



Light distribution files



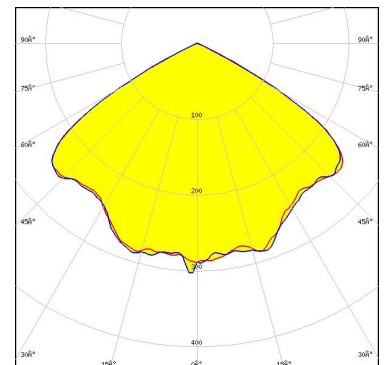
LED: Z5M3-E1  
 FWHM / FWTM: 118.0° / 128.0°  
 Efficiency: 96 %  
 Peak intensity: 0.4 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:



Light distribution files



LED: Z5M3-E1  
 FWHM / FWTM: 118.0° / 128.0°  
 Efficiency: 88 %  
 Peak intensity: 0.3 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

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