

## SURI-RS

~6° real spot beam. Assembly with holder and installation tape.

### SPECIFICATION:

|                |           |
|----------------|-----------|
| Dimensions     | Ø 37.8 mm |
| Height         | 24 mm     |
| Fastening      | tape, pin |
| ROHS compliant | yes ⓘ     |

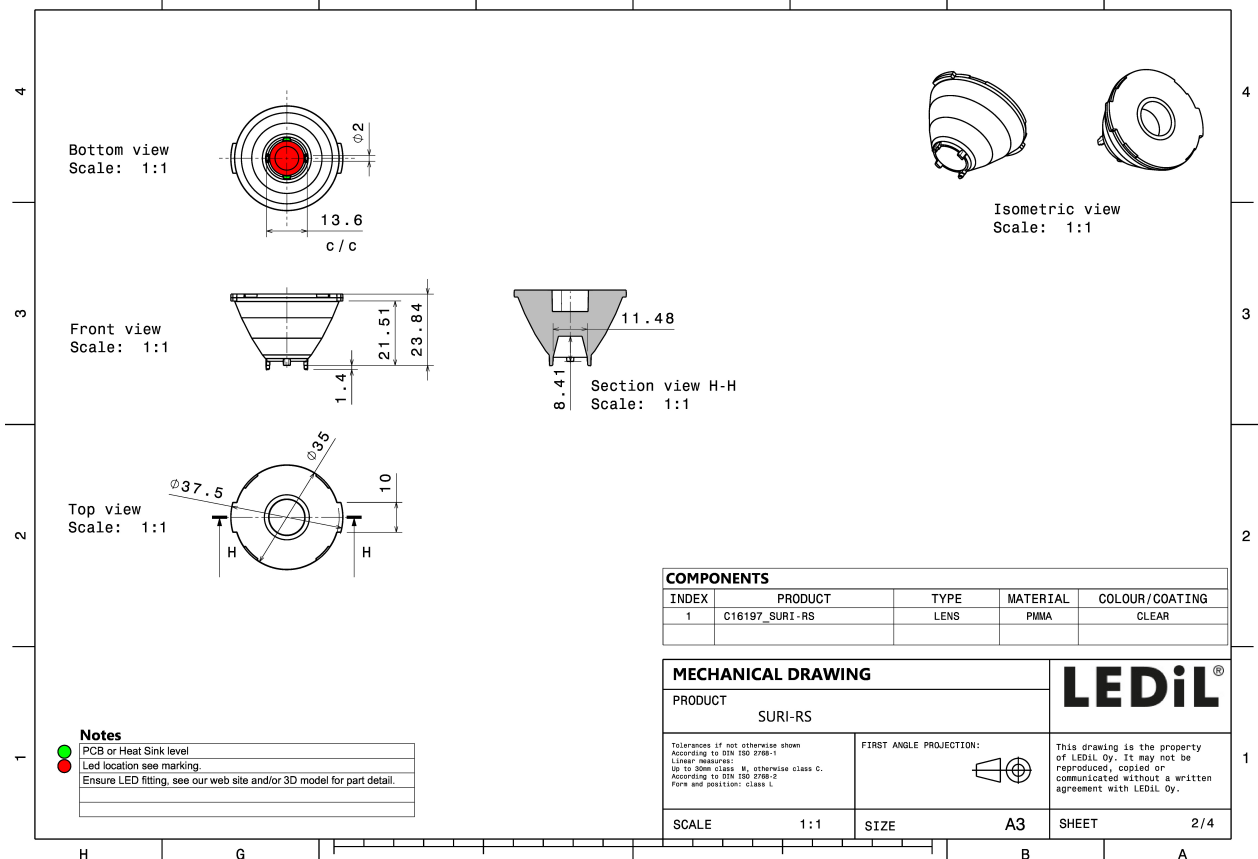
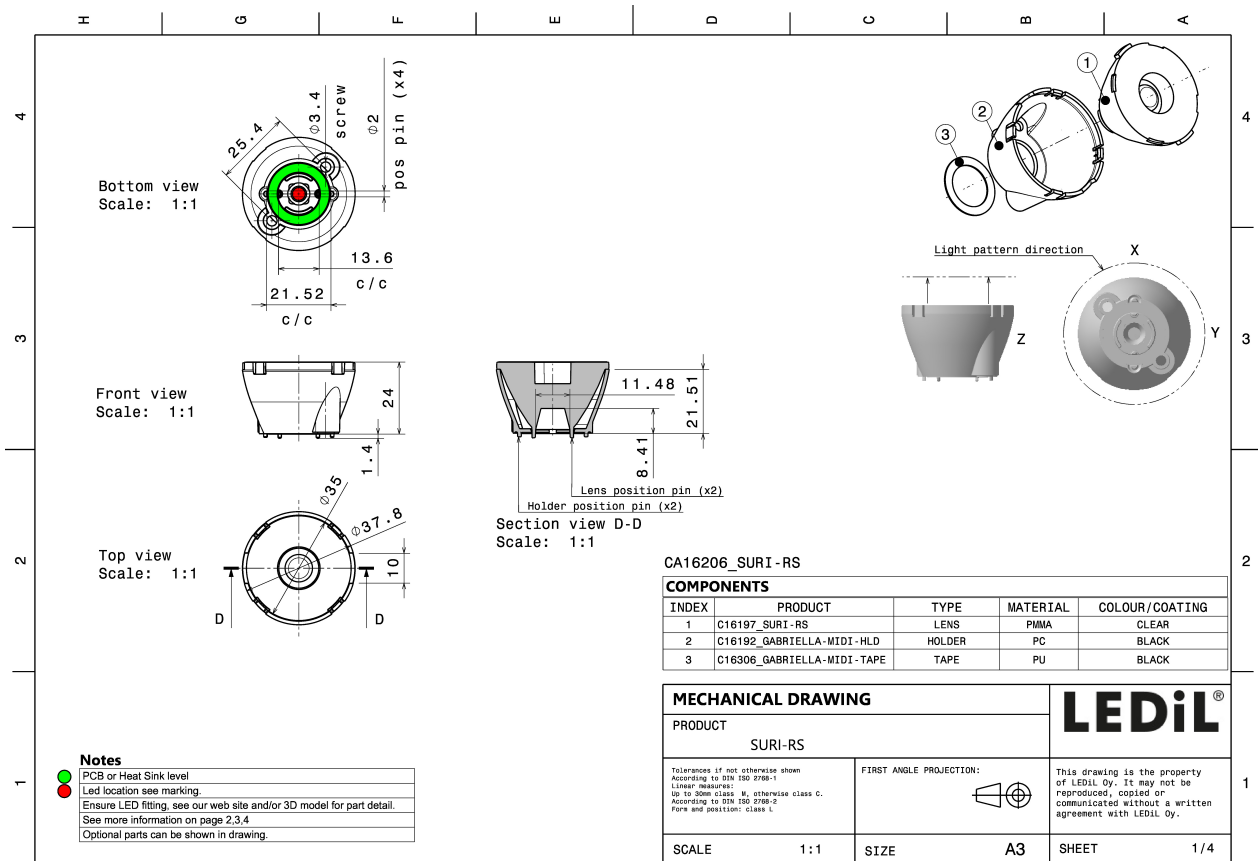


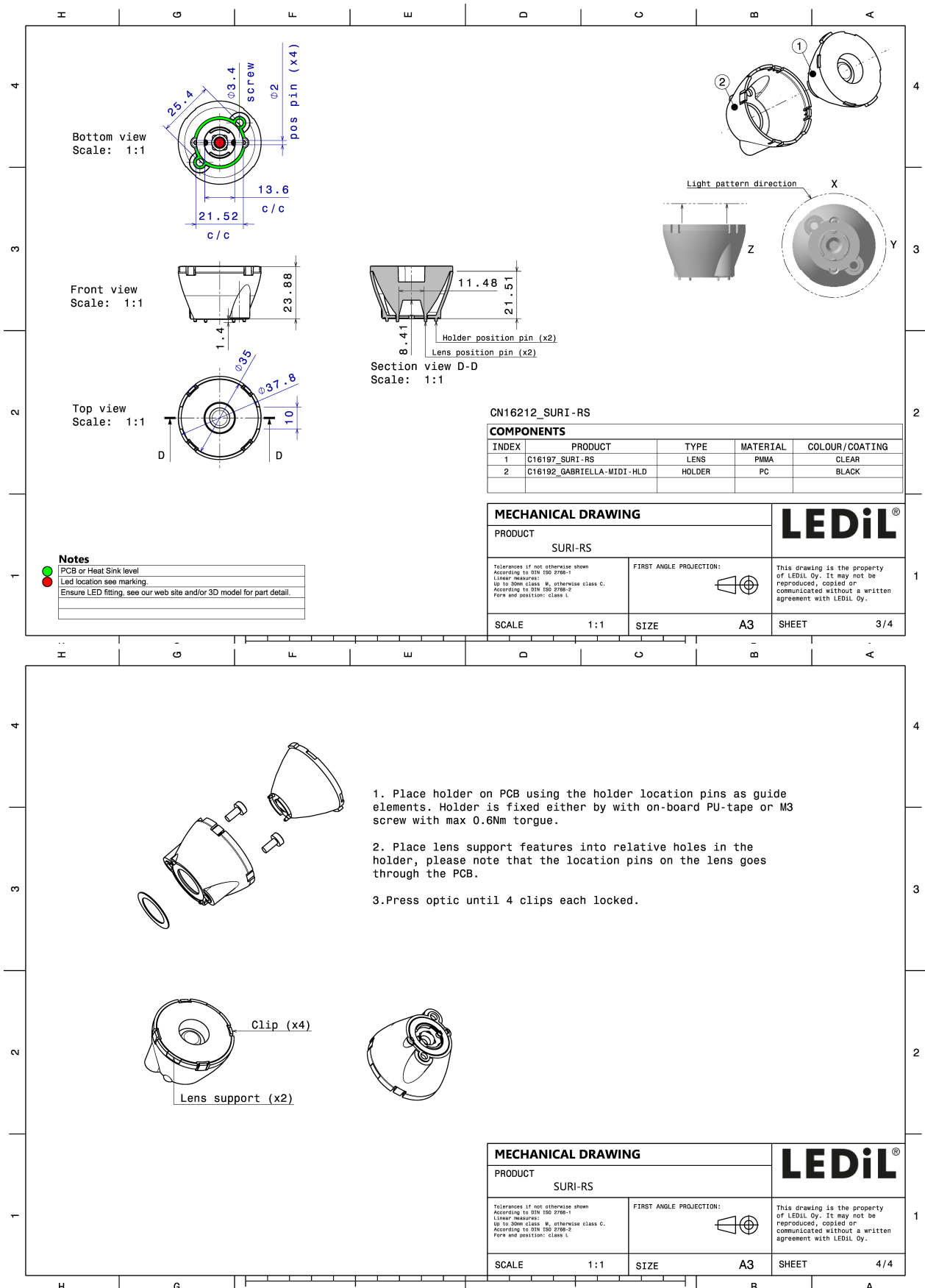
### MATERIALS:

| Component          | Type        | Material | Colour | Finish | Length |
|--------------------|-------------|----------|--------|--------|--------|
| SURI-RS            | Single lens | PMMA     | clear  |        | 37.8   |
| GABRIELLA-MIDI-HLD | Assembly    | PC       | black  |        |        |

### ORDERING INFORMATION:

| Component                                         | Qty in box | MOQ | MPQ | Box weight (kg) |
|---------------------------------------------------|------------|-----|-----|-----------------|
| CA16206_SURI-RS<br>» Box size: 476 x 273 x 292 mm | 500        | 100 | 50  | 11.7            |



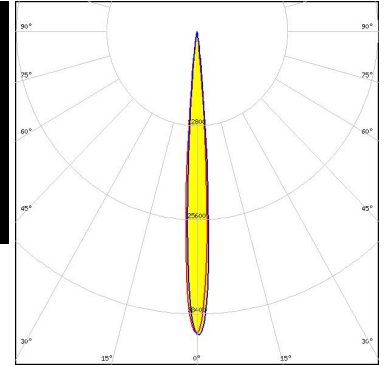
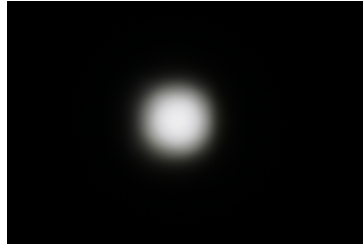


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



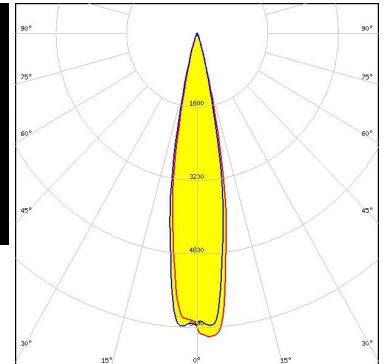
LED XHP35 HI  
FWHM / FWTM 8.0° / 13.0°  
Efficiency 91 %  
Peak intensity 41 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



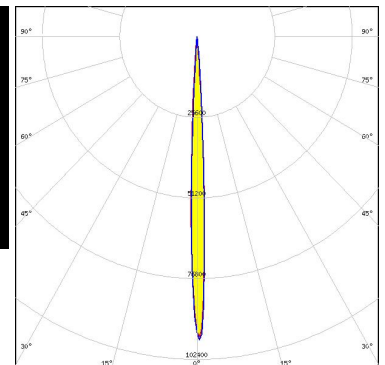
LED XHP70.2  
FWHM / FWTM 20.0° / 32.0°  
Efficiency 87 %  
Peak intensity 6.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-E2  
FWHM / FWTM 5.0° / 9.0°  
Efficiency 93 %  
Peak intensity 101 cd/lm  
LEDs/each optic 1  
Light colour/type Green  
Required components:

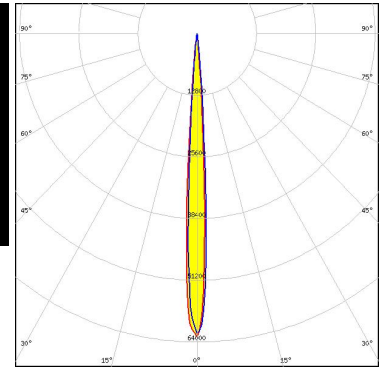


Light distribution files

### OPTICAL RESULTS (MEASURED):



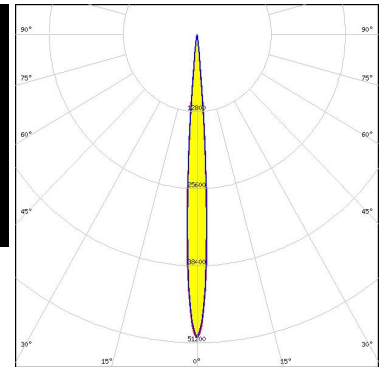
LED XP-G2  
FWHM / FWTM 7.0° / 11.0°  
Efficiency 94 %  
Peak intensity 63.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



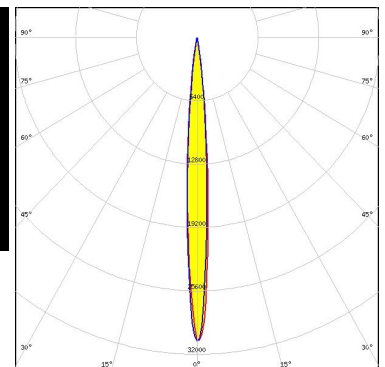
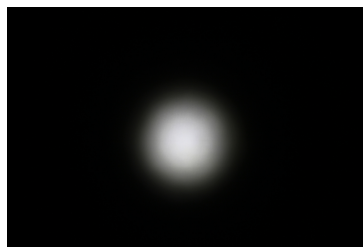
LED XP-G4  
FWHM / FWTM 7.0° / 13.0°  
Efficiency 94 %  
Peak intensity 50.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-L HI  
FWHM / FWTM 8.0° / 17.0°  
Efficiency 90 %  
Peak intensity 30.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



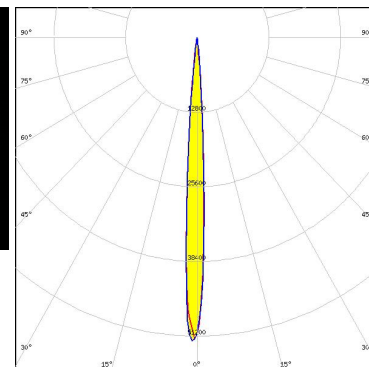
Protective plate, glass

Light distribution files

### OPTICAL RESULTS (MEASURED):



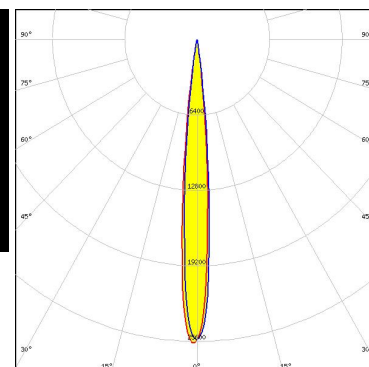
LED XP-L HI  
FWHM / FWTM 7.0° / 12.0°  
Efficiency 91 %  
Peak intensity 52.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



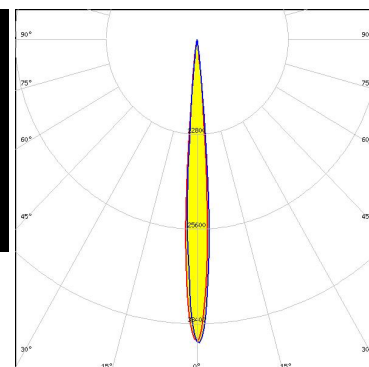
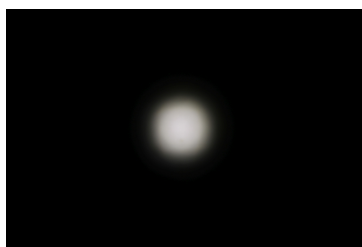
LED LUXEON V  
FWHM / FWTM 10.0° / 17.0°  
Efficiency 88 %  
Peak intensity 26 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NVSW219F  
FWHM / FWTM 8.0° / 13.0°  
Efficiency 91 %  
Peak intensity 41 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

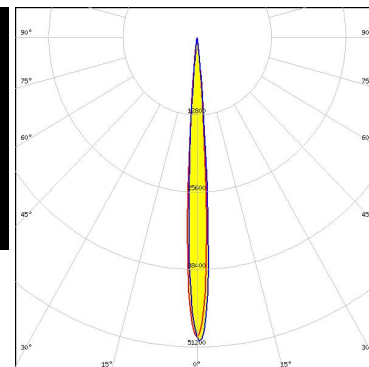


Light distribution files

### OPTICAL RESULTS (MEASURED):



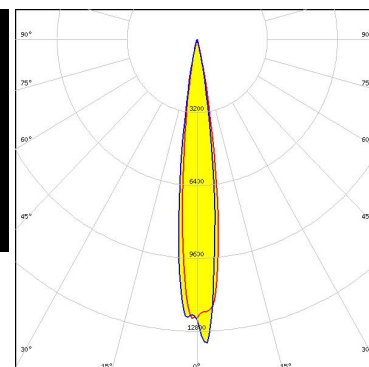
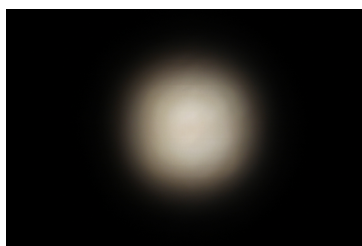
LED NVSW719AC  
FWHM / FWTM 7.0° / 12.0°  
Efficiency 91 %  
Peak intensity 50.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



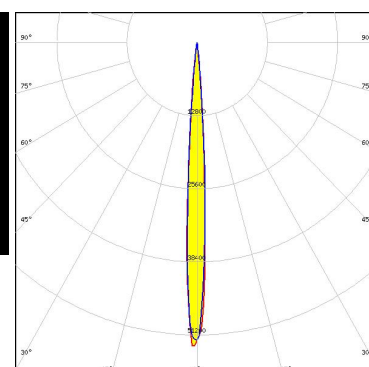
LED Duris S8  
FWHM / FWTM 14.0° / 24.0°  
Efficiency 90 %  
Peak intensity 13 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 7.0° / 12.0°  
Efficiency 91 %  
Peak intensity 53 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

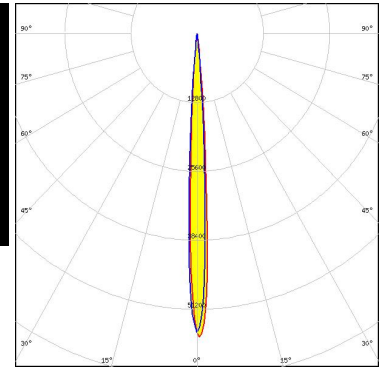


Light distribution files

### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

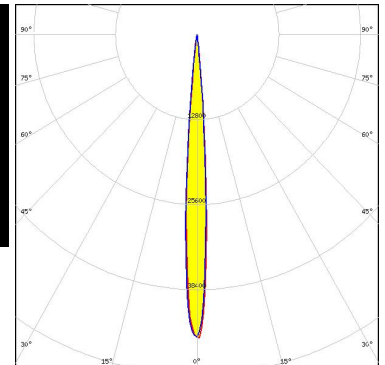
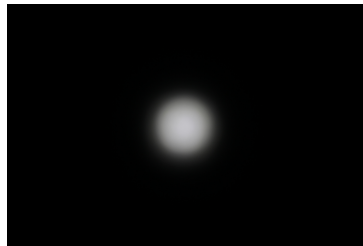
LED OSLON Square EC  
FWHM / FWTM 6.0° / 12.0°  
Efficiency 90 %  
Peak intensity 56 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

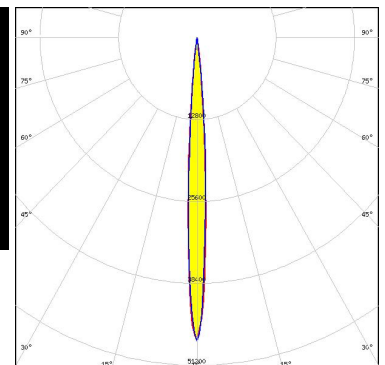
LED LH351B  
FWHM / FWTM 8.0° / 13.0°  
Efficiency 93 %  
Peak intensity 45.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

LED LM302A  
FWHM / FWTM 7.0° / 13.0°  
Efficiency 92 %  
Peak intensity 47 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

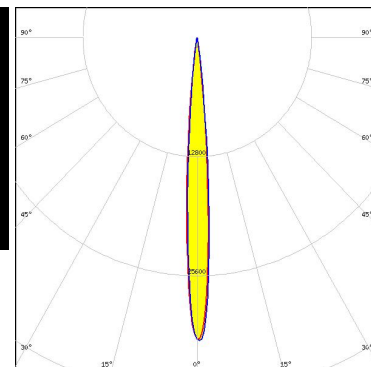


Light distribution files

## OPTICAL RESULTS (MEASURED):



LED Z5M3  
FWHM / FWTM 8.0° / 15.0°  
Efficiency 88 %  
Peak intensity 32.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

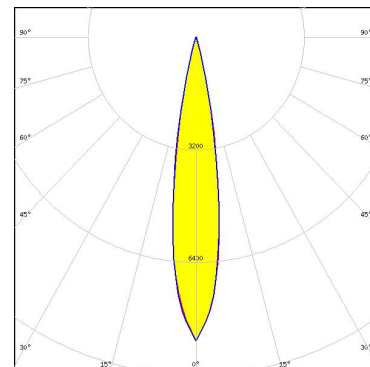


Light distribution files

### OPTICAL RESULTS (SIMULATED):



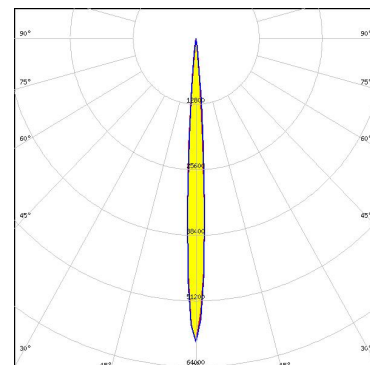
LED MHD-E/G  
FWHM / FWTM 18.0° / 30.0°  
Efficiency 91 %  
Peak intensity 8.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



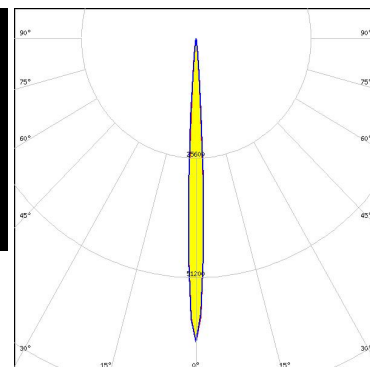
LED XB-H  
FWHM / FWTM 6.0° / 12.0°  
Efficiency 90 %  
Peak intensity 59.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XD16  
FWHM / FWTM 5.9° / 11.0°  
Efficiency 89 %  
Peak intensity 65 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

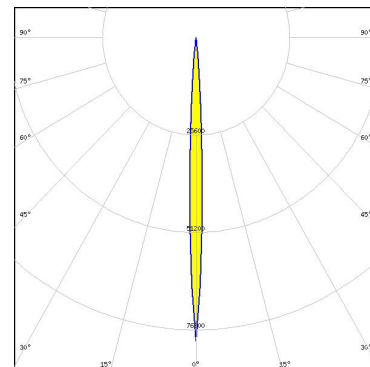


Light distribution files

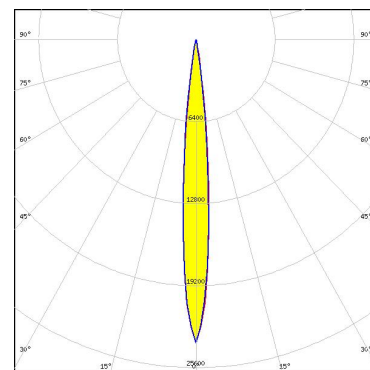
### OPTICAL RESULTS (SIMULATED):



LED XE-G  
FWHM / FWTM 6.0° / 10.0°  
Efficiency 89 %  
Peak intensity 79.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



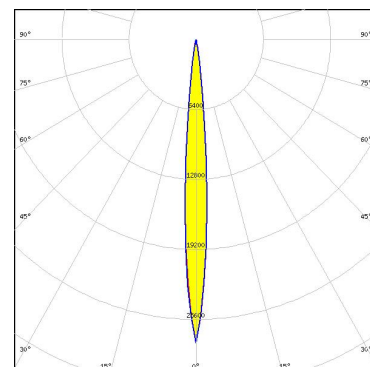
LED XHP35 HD  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 91 %  
Peak intensity 23.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XHP35.2 HD  
FWHM / FWTM 8.0° / 18.0°  
Efficiency 87 %  
Peak intensity 27.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

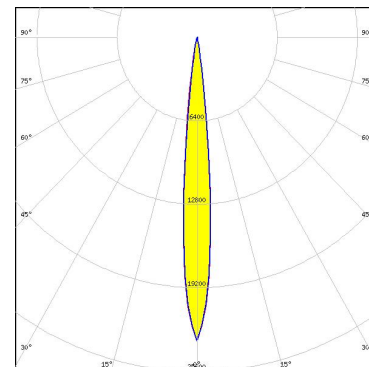


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



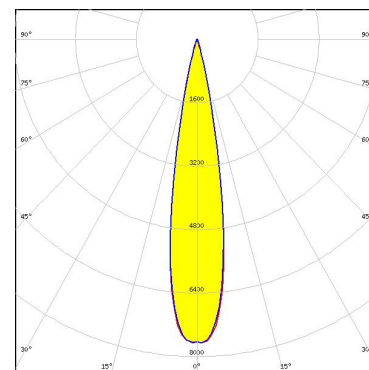
LED XHP50.3 HI  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 96 %  
Peak intensity 23.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



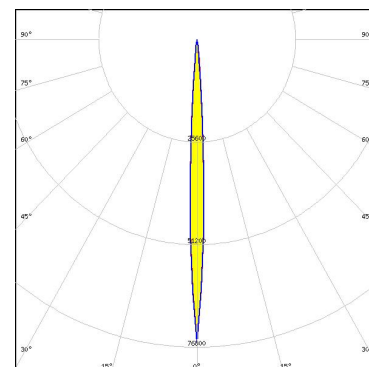
LED XHP70.3 HI  
FWHM / FWTM 20.0° / 30.0°  
Efficiency 95 %  
Peak intensity 7.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-E  
FWHM / FWTM 6.0° / 12.0°  
Efficiency 92 %  
Peak intensity 75.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

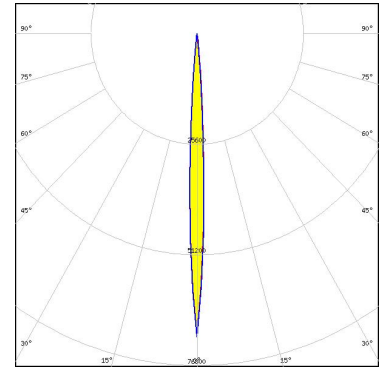


Light distribution files

### OPTICAL RESULTS (SIMULATED):



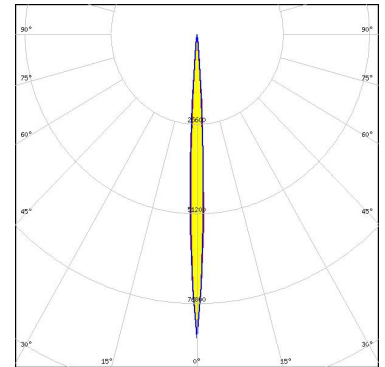
LED XP-E2  
FWHM / FWTM 6.0° / 12.0°  
Efficiency 90 %  
Peak intensity 70.2 cd/lm  
LEDs/each optic 1  
Light colour/type Red  
Required components:



Light distribution files



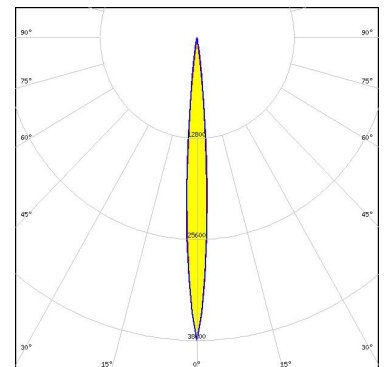
LED XP-E2  
FWHM / FWTM 5.0° / 10.0°  
Efficiency 91 %  
Peak intensity 85 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-G2 HE  
FWHM / FWTM 8.0° / 14.0°  
Efficiency 90 %  
Peak intensity 38.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

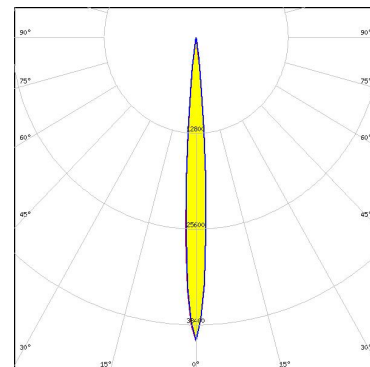


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



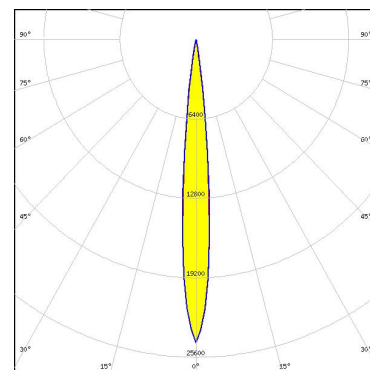
LED XP-G3  
 FWHM / FWTM 7.7° / 14.0°  
 Efficiency 90 %  
 Peak intensity 40.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



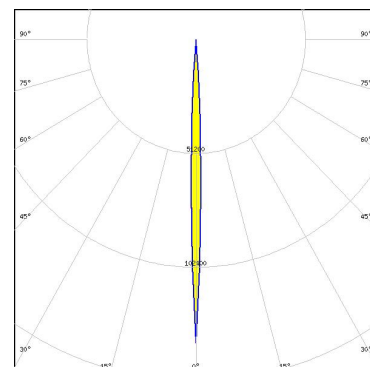
LED XP-L2  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 89 %  
 Peak intensity 24.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



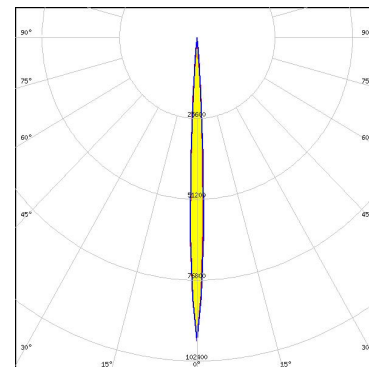
LED XP-P  
 FWHM / FWTM 4.0° / 8.0°  
 Efficiency 90 %  
 Peak intensity 136.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



### OPTICAL RESULTS (SIMULATED):



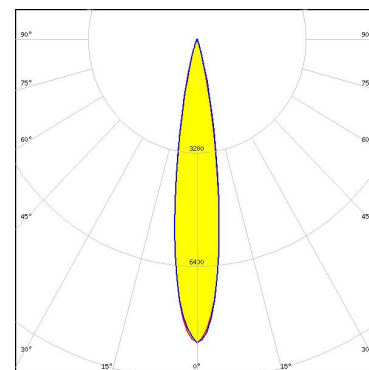
LED XQ-E HD  
FWHM / FWTM 5.2° / 9.5°  
Efficiency 92 %  
Peak intensity 96.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



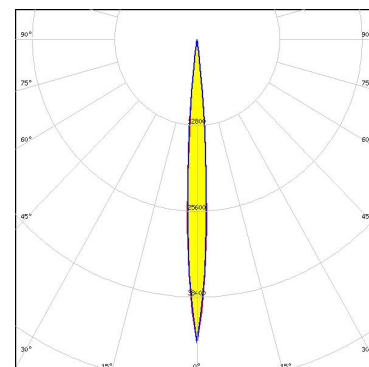
LED LUXEON 7070  
FWHM / FWTM 16.0° / 30.0°  
Efficiency 90 %  
Peak intensity 8.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON HL2X  
FWHM / FWTM 8.0° / 14.0°  
Efficiency 92 %  
Peak intensity 45.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

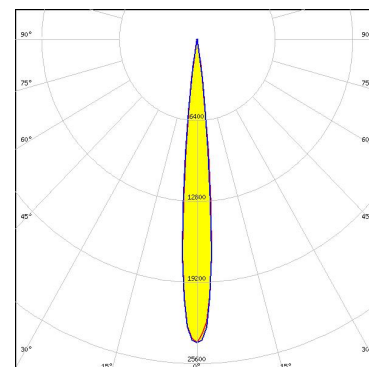
### OPTICAL RESULTS (SIMULATED):



|                      |              |
|----------------------|--------------|
| LED                  | LUXEON HL2Z  |
| FWHM / FWTM          | 6.0° / 12.0° |
| Efficiency           | 90 %         |
| Peak intensity       | 58.9 cd/lm   |
| LEDs/each optic      | 1            |
| Light colour/type    | White        |
| Required components: |              |



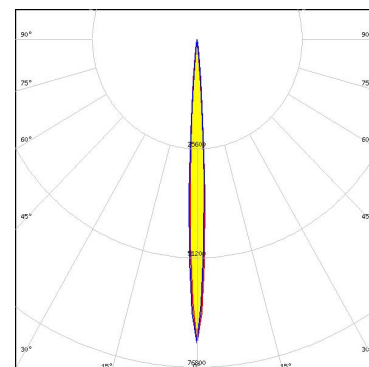
|                      |               |
|----------------------|---------------|
| LED                  | LUXEON MZ     |
| FWHM / FWTM          | 10.5° / 17.8° |
| Efficiency           | 94 %          |
| Peak intensity       | 24.3 cd/lm    |
| LEDs/each optic      | 1             |
| Light colour/type    | White         |
| Required components: |               |



Light distribution files



|                      |                   |
|----------------------|-------------------|
| LED                  | LUXEON Rebel Plus |
| FWHM / FWTM          | 6.0° / 11.0°      |
| Efficiency           | 89 %              |
| Peak intensity       | 71.1 cd/lm        |
| LEDs/each optic      | 1                 |
| Light colour/type    | White             |
| Required components: |                   |

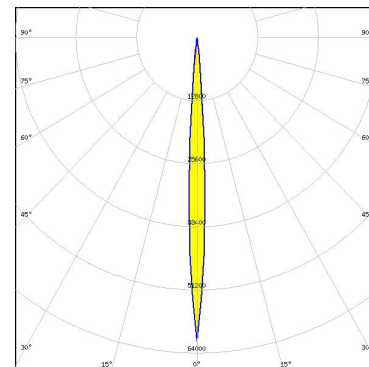


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



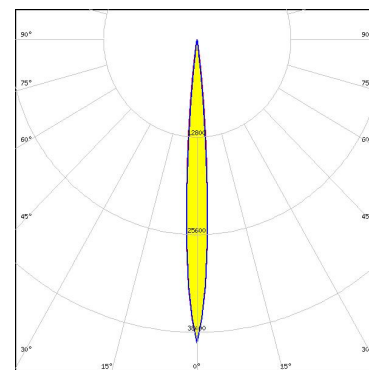
LED SFT-40-WCS  
 FWHM / FWTM 6.0° / 12.0°  
 Efficiency 95 %  
 Peak intensity 61.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



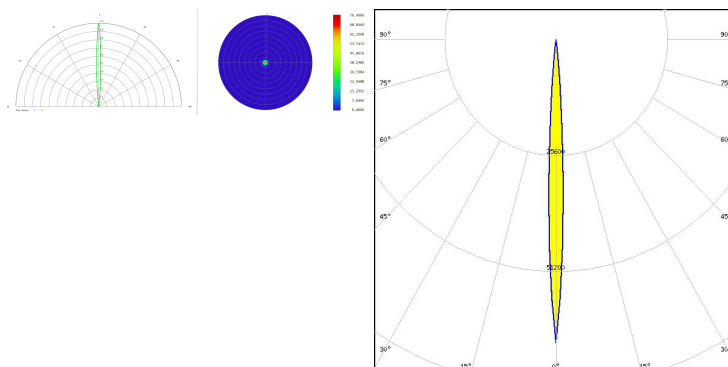
LED SFT-70X-WCS  
 FWHM / FWTM 8.0° / 14.0°  
 Efficiency 96 %  
 Peak intensity 39.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED SST-10-B130  
 FWHM / FWTM 6.0° / 11.0°  
 Efficiency 91 %  
 LEDs/each optic 1  
 Light colour/type IR  
 Required components:

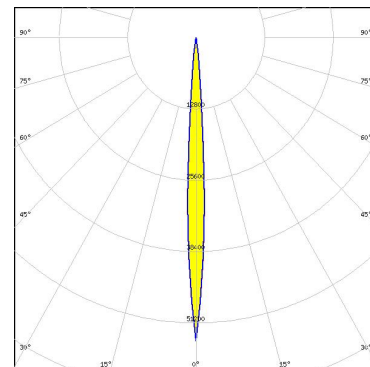


Light distribution files

### OPTICAL RESULTS (SIMULATED):



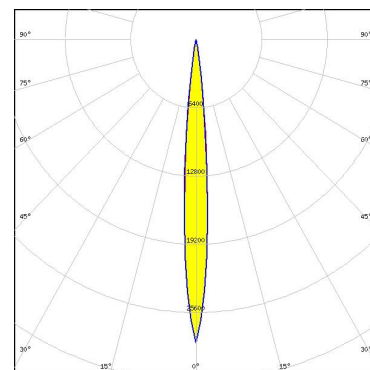
LED SST-20  
FWHM / FWTM 6.0° / 12.0°  
Efficiency 90 %  
Peak intensity 54.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



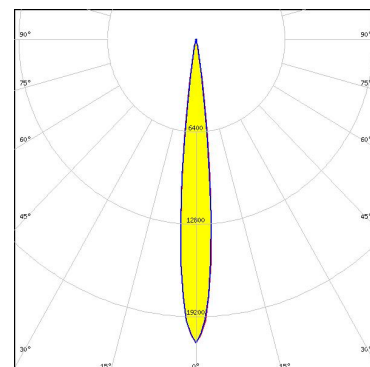
LED SST-40  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 91 %  
Peak intensity 28.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED SST-70X-WCS  
FWHM / FWTM 12.0° / 20.0 + 18.0°  
Efficiency 96 %  
Peak intensity 21 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

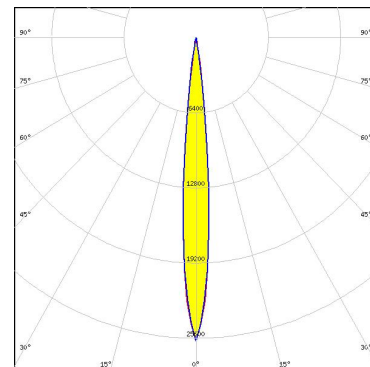


Light distribution files

### OPTICAL RESULTS (SIMULATED):



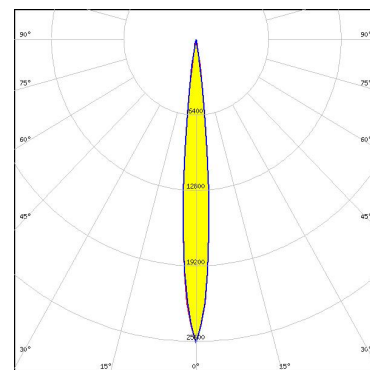
LED NV4WB35AM  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 91 %  
Peak intensity 25.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



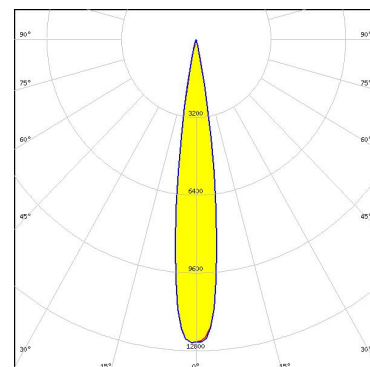
LED NV4WB35AM  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 91 %  
Peak intensity 25.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NV4x144A  
FWHM / FWTM 15.0° / 24.0°  
Efficiency 89 %  
Peak intensity 12.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

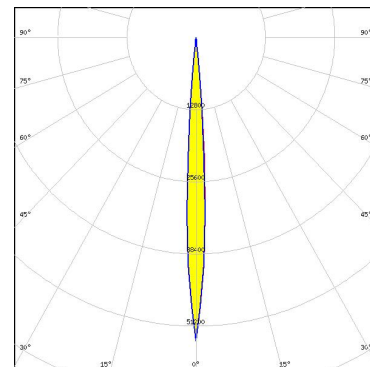


Light distribution files

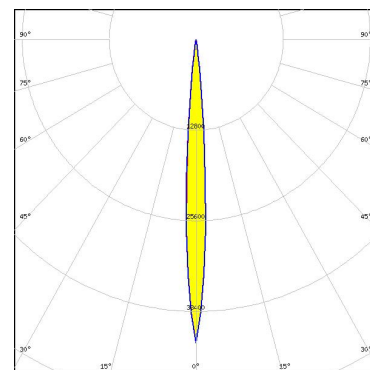
### OPTICAL RESULTS (SIMULATED):



LED NVSW719AC  
FWHM / FWTM 6.0° / 12.0°  
Efficiency 92 %  
Peak intensity 53.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



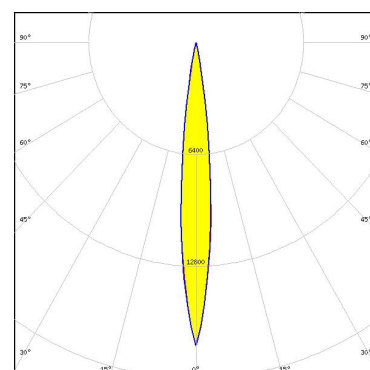
LED NVSxx19B/NVSxx19C  
FWHM / FWTM 7.5° / 14.4°  
Efficiency 91 %  
Peak intensity 42.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSLON PURE 1010  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 88 %  
Peak intensity 17.4 cd/lm  
LEDs/each optic 9  
Light colour/type White  
Required components:

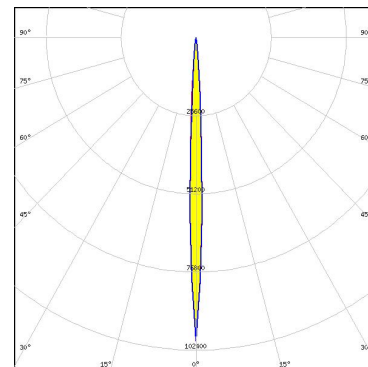


Light distribution files

### OPTICAL RESULTS (SIMULATED):

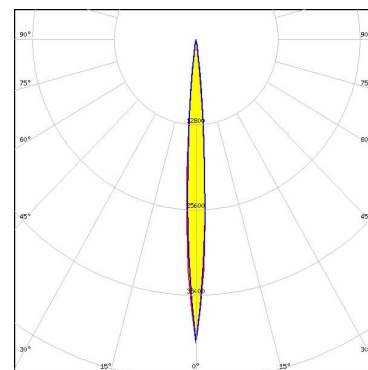
**OSRAM**  
Opto Semiconductors

LED OSLON Pure 1414  
FWHM / FWTM 4.0° / 10.0°  
Efficiency 94 %  
Peak intensity 99.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



**OSRAM**  
Opto Semiconductors

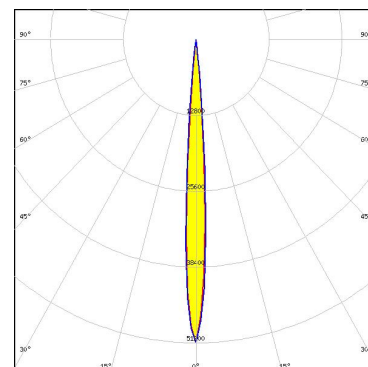
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 7.0° / 14.0°  
Efficiency 92 %  
Peak intensity 46 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4715AS  
FWHM / FWTM 8.0° / 12.0°  
Efficiency 90 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:

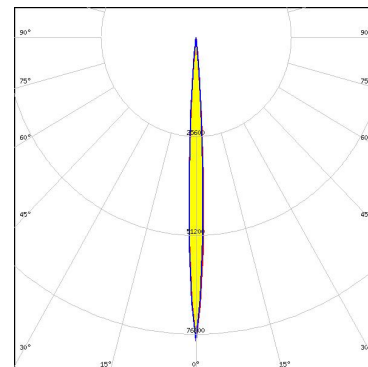


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

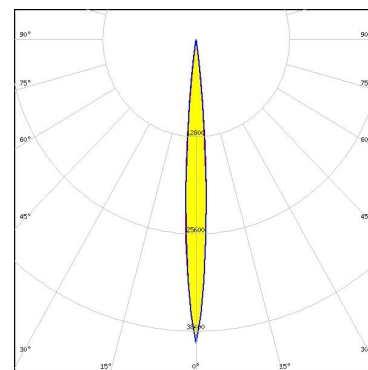
LED SFH 4716AS  
FWHM / FWTM 6.0° / 10.0°  
Efficiency 90 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

**SAMSUNG**

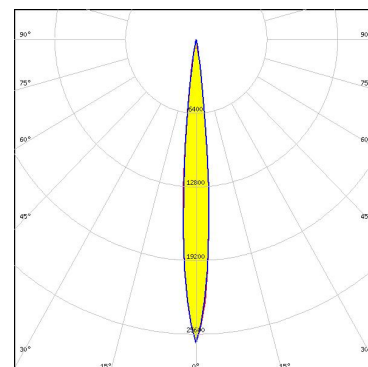
LED LH351C  
FWHM / FWTM 8.0° / 14.0°  
Efficiency 92 %  
Peak intensity 39.9 cd/m²  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

LED LH351D  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 91 %  
Peak intensity 26.4 cd/m²  
LEDs/each optic 1  
Light colour/type White  
Required components:

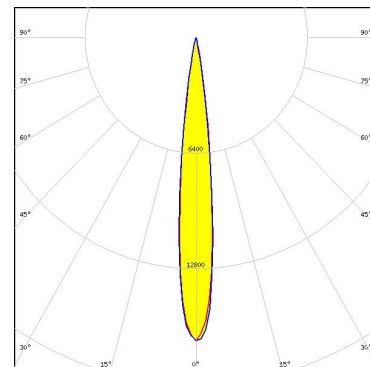


Light distribution files

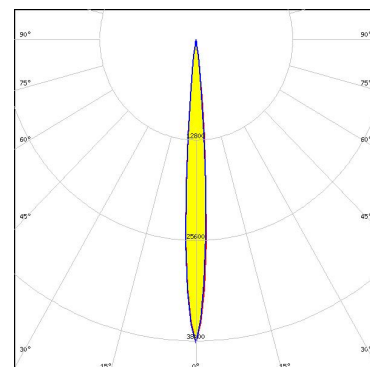
### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LH502D  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 91 %  
Peak intensity 16.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



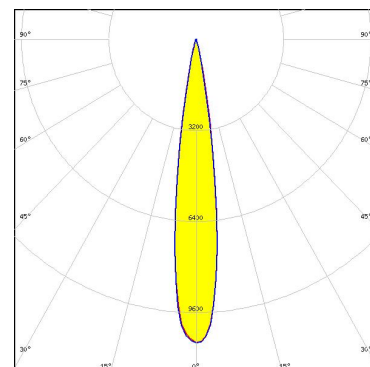
LED Z8Y22P  
FWHM / FWTM 8.0° / 14.0°  
Efficiency 87 %  
Peak intensity 38.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED Z8Y50P  
FWHM / FWTM 15.5° / 26.1°  
Efficiency 94 %  
Peak intensity 10.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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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