

## LXP2-RS

~9.6° spot beam optimized for CREE XP-E. 14.7 mm high assembly with installation tape.

### SPECIFICATION:

|                |           |
|----------------|-----------|
| Dimensions     | Ø 21.6 mm |
| Height         | 14.7 mm   |
| Fastening      | tape      |
| ROHS compliant | yes ⓘ     |

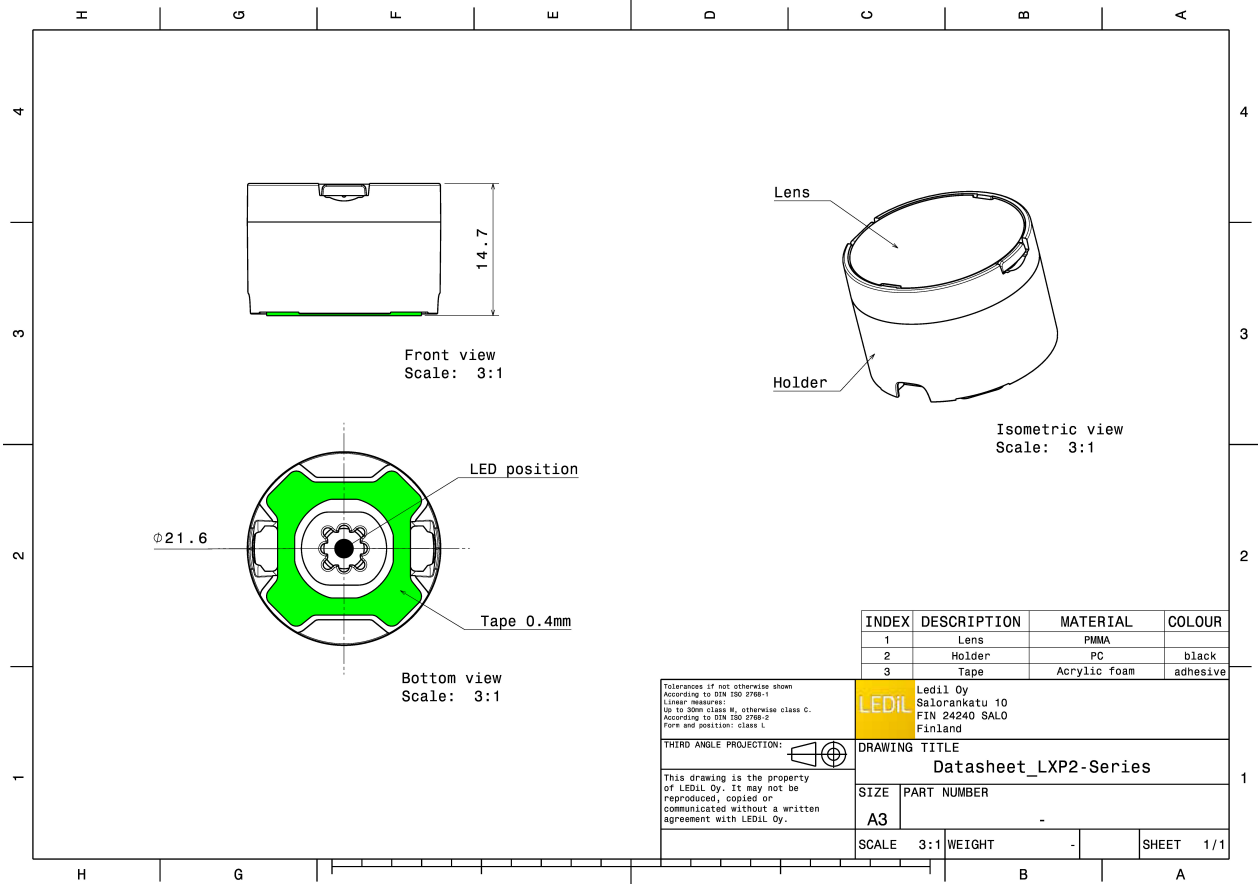


### MATERIALS:

| Component         | Type        | Material     | Colour | Finish | Length |
|-------------------|-------------|--------------|--------|--------|--------|
| LXP2-RS           | Single lens | PMMA         | clear  |        | 21.6   |
| LXP2-LH1-TAPE-BLK | Holder      | PC           | black  |        | 21.6   |
| HEIDI-TAPE        | Tape        | Acrylic foam | black  |        |        |

### ORDERING INFORMATION:

| Component   | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|------------|-----|-----|-----------------|
| CA11481_LXP2-RS<br>» Box size: 480 x 280 x 300 mm | 1680       | 336 | 112 | 9.5             |

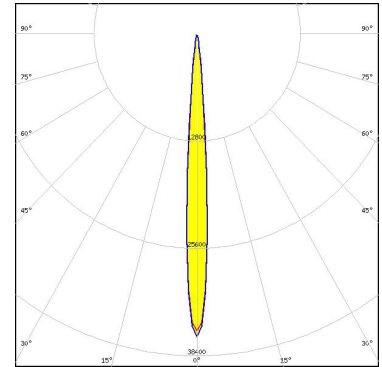


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



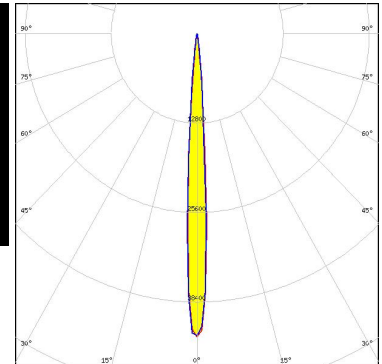
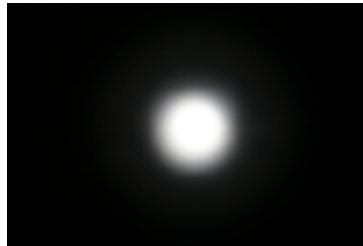
LED XP-E  
 FWHM / FWTM 7.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



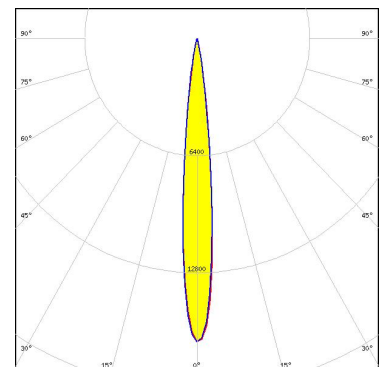
LED XP-E2  
 FWHM / FWTM 8.0° / 14.0°  
 Efficiency 90 %  
 Peak intensity 44 cd/m²  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G  
 FWHM / FWTM 10.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

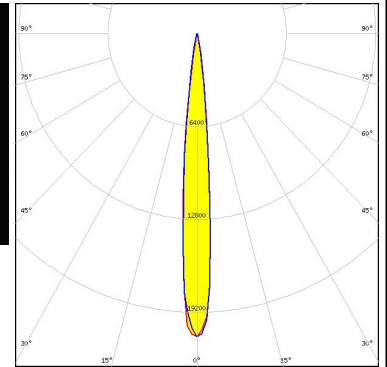


Light distribution files

### OPTICAL RESULTS (MEASURED):



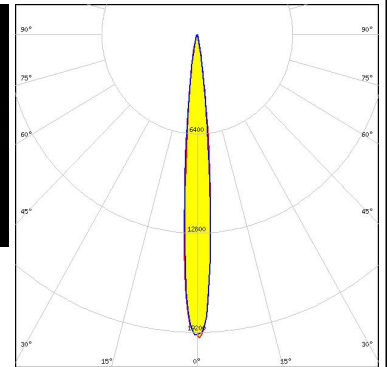
LED XP-G2  
 FWHM / FWTM 10.0° / 19.0°  
 Efficiency 94 %  
 Peak intensity 21 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



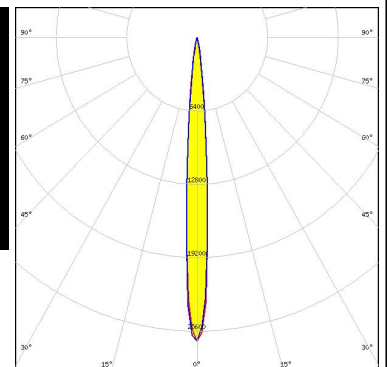
LED XP-L HI  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 89 %  
 Peak intensity 20 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NCSxx19A  
 FWHM / FWTM 8.0° / 18.0°  
 Efficiency 86 %  
 Peak intensity 26.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

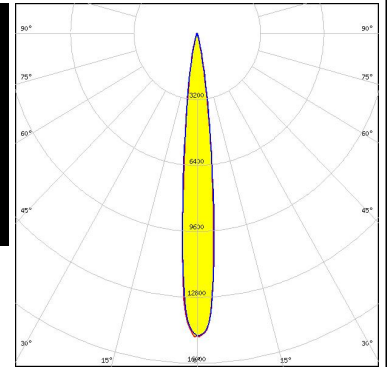


Light distribution files

### OPTICAL RESULTS (MEASURED):



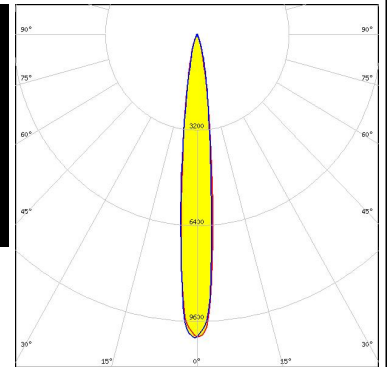
LED NVSW219D  
 FWHM / FWTM 12.0° / 23.0°  
 Efficiency 92 %  
 Peak intensity 14.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



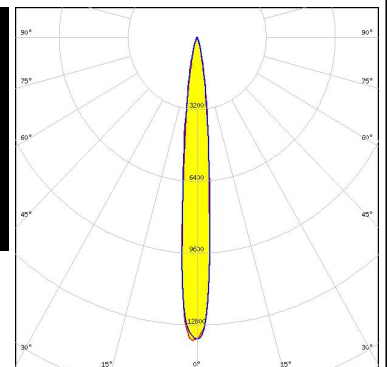
LED NVSW3x9A  
 FWHM / FWTM 12.0° / 28.0°  
 Efficiency 83 %  
 Peak intensity 10.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 11.0° / 25.0°  
 Efficiency 89 %  
 Peak intensity 13.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

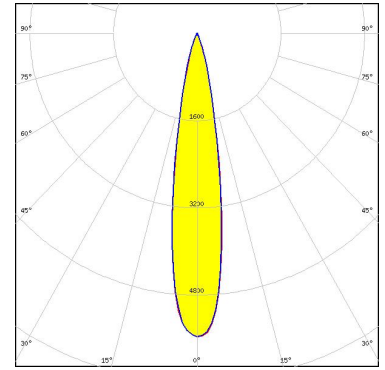


Light distribution files

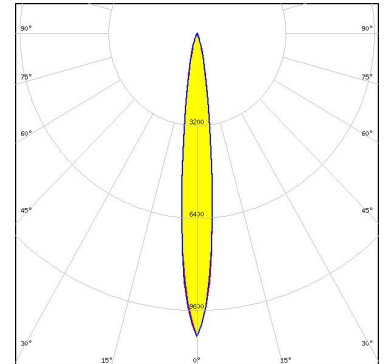
### OPTICAL RESULTS (SIMULATED):



LED XHP35.2 HD  
FWHM / FWTM 18.0° / 36.0°  
Efficiency 74 %  
Peak intensity 5.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



LED XHP35.2 HI  
FWHM / FWTM 12.0° / 28.0°  
Efficiency 81 %  
Peak intensity 10.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



LED XP-E  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 91 %  
Peak intensity 37.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

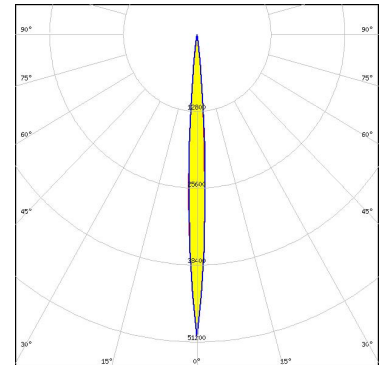
#### OPTICAL RESULTS (SIMULATED):



LED XP-G4  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 93 %  
 Peak intensity 20.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



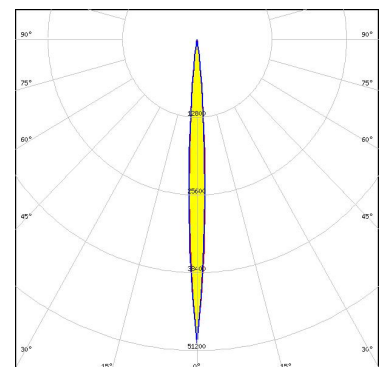
LED XP-P  
 FWHM / FWTM 6.0° / 14.0°  
 Efficiency 92 %  
 Peak intensity 50.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON CZ  
 FWHM / FWTM 6.0° / 14.0°  
 Efficiency 92 %  
 Peak intensity 50 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

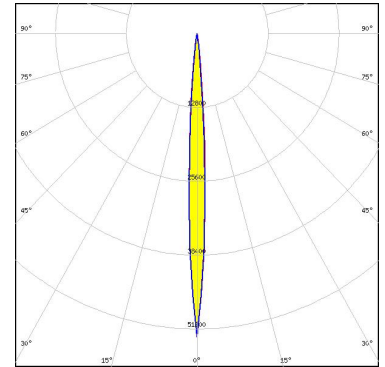


Light distribution files

### OPTICAL RESULTS (SIMULATED):



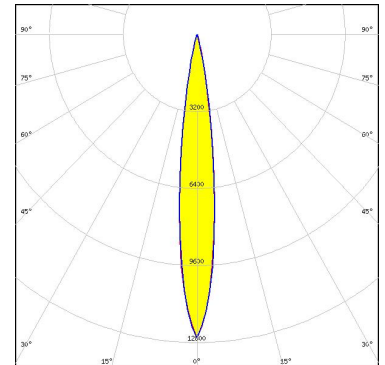
LED LUXEON CZ  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 92 %  
Peak intensity 52.6 cd/m  
LEDs/each optic 1  
Light colour/type Red  
Required components:



Light distribution files



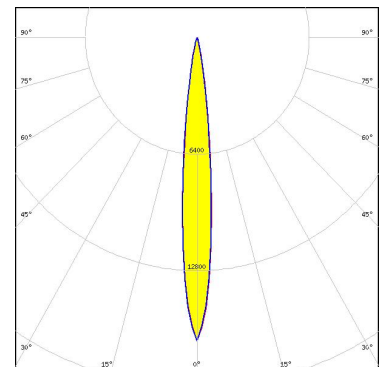
LED LUXEON HL2X  
FWHM / FWTM 14.0° / 26.0°  
Efficiency 88 %  
Peak intensity 12.6 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON V2  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 92 %  
Peak intensity 16.7 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



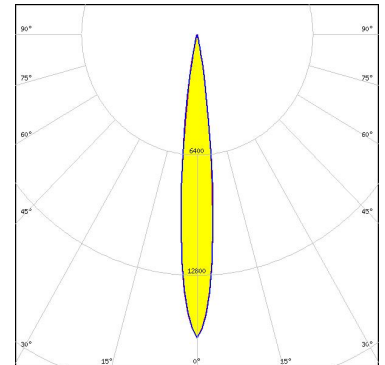
### OPTICAL RESULTS (SIMULATED):



LED NF2x757G  
FWHM / FWTM 10.0° / 24.0°  
Efficiency 93 %  
Peak intensity 16.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



LED NVSW219F  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 87 %  
Peak intensity 16.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

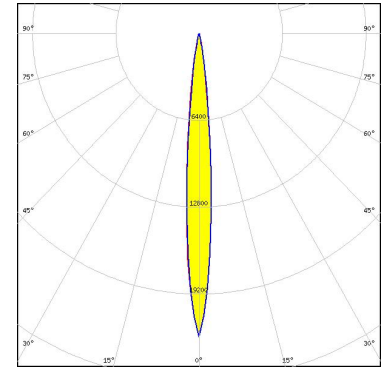


LED OSOLON Square CSSRM2/CSSRM3  
FWHM / FWTM 10.0° / 22.0°  
Efficiency 93 %  
Peak intensity 20.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 92 %  
Peak intensity 22.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 93 %  
Peak intensity 37.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

**SAMSUNG**

LED LH351C  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 85 %  
Peak intensity 14.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

### OPTICAL RESULTS (SIMULATED):

## SAMSUNG

|                      |              |
|----------------------|--------------|
| LED                  | LM301B       |
| FWHM / FWTM          | 9.0° / 21.0° |
| Efficiency           | 94 %         |
| Peak intensity       | 21.7 cd/m    |
| LEDs/each optic      | 1            |
| Light colour/type    | White        |
| Required components: |              |

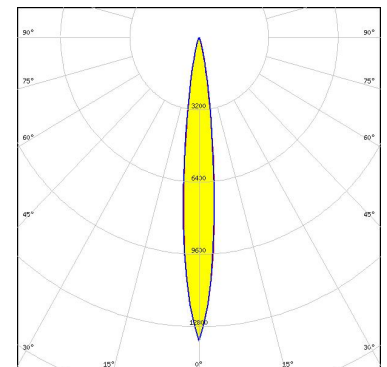
Light distribution files



|                      |       |
|----------------------|-------|
| LED                  | Z5    |
| FWHM / FWTM          | 10.0° |
| Efficiency           | %     |
| LEDs/each optic      | 1     |
| Light colour/type    | White |
| Required components: |       |



|                      |               |
|----------------------|---------------|
| LED                  | Z8Y22P        |
| FWHM / FWTM          | 12.0° / 26.0° |
| Efficiency           | 92 %          |
| Peak intensity       | 13.4 cd/m     |
| 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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