

## GABRIELLA-45-S

~9° spot beam with holder

## SPECIFICATION:

|                |            |
|----------------|------------|
| Dimensions     | Ø 45.0     |
| Height         | 28.9 mm    |
| Fastening      | pin, screw |
| ROHS compliant | yes ⓘ      |

## MATERIALS:

| Component        | Type        | Material | Colour | Finish | Length (mm) |
|------------------|-------------|----------|--------|--------|-------------|
| GABRIELLA-45-S   | Single lens | PMMA     | clear  |        |             |
| GABRIELLA-45-HLD | Holder      | PC       | black  |        |             |

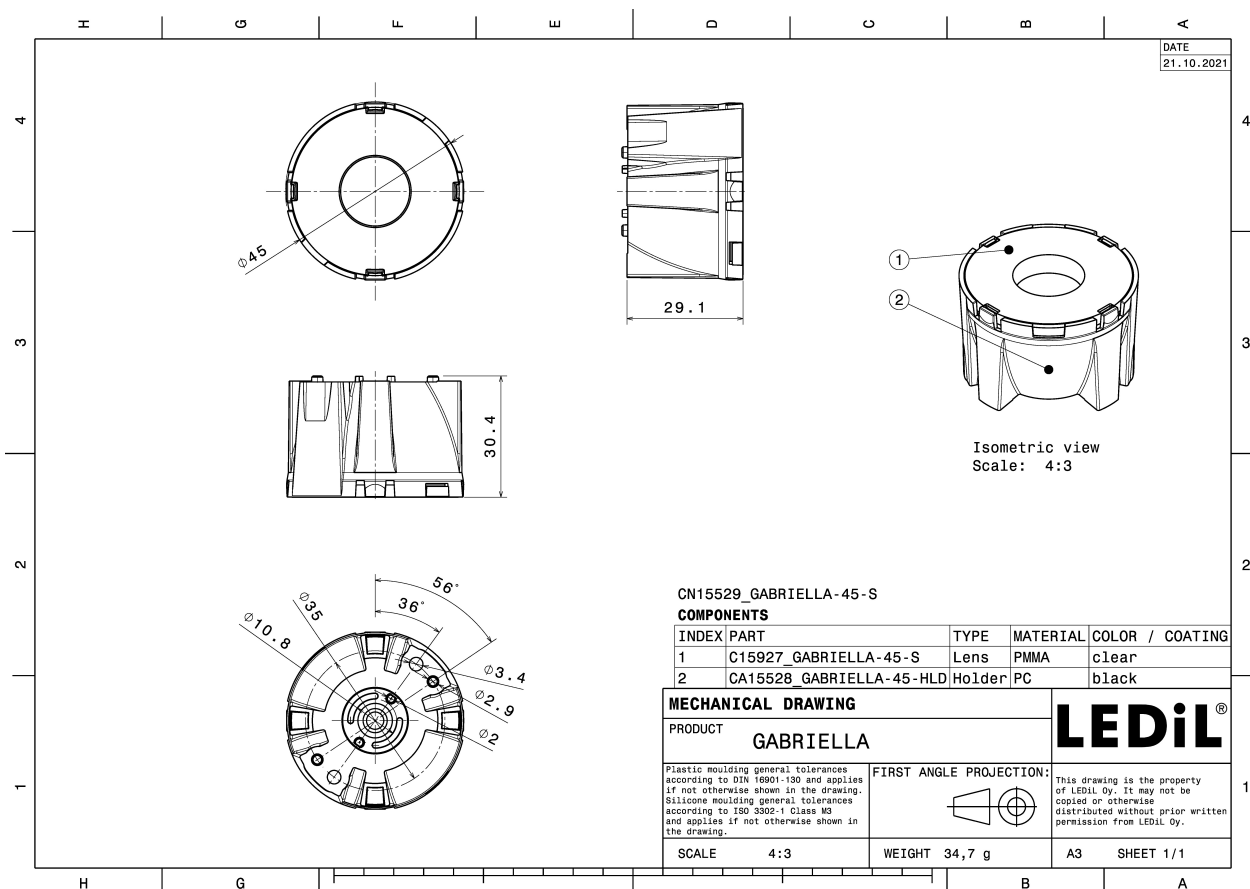


## ORDERING INFORMATION:

## Quantities for one set:

|             |   |
|-------------|---|
| Single lens | 1 |
| Holder      | 1 |

| Component                                                 |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|-----------------------------------------------------------|-------------|------------|-----|-----|-----------------|
| C15927_GABRIELLA-45-S<br>» Box size: 476 x 273 x 292 mm   | Single lens | 405        | 90  | 45  | 11.5            |
| C15528_GABRIELLA-45-HLD<br>» Box size: 476 x 273 x 292 mm | Holder      | 405        | 90  | 45  | 5.1             |

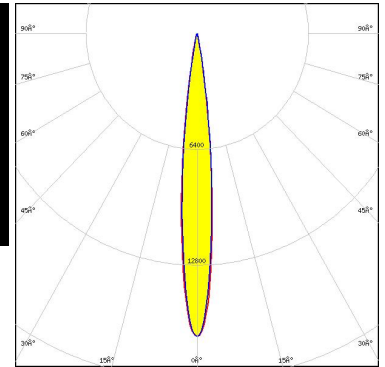


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



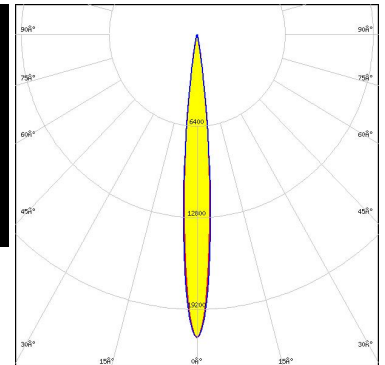
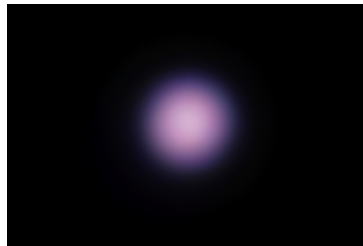
LED XM-L RGBW (XMLCTW)  
 FWHM / FWTM 12.0° / 21.0°  
 Efficiency 87 %  
 Peak intensity 17 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



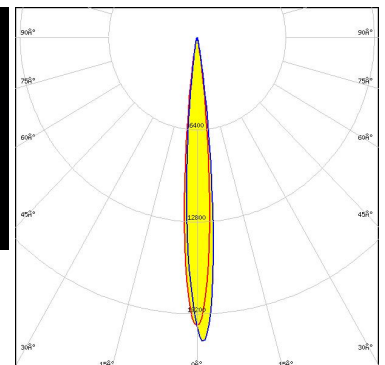
LED XP-L RGBW HD  
 FWHM / FWTM 10.0° / 19.0°  
 Efficiency 90 %  
 Peak intensity 22.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:



Light distribution files



LED XP-L RGBW HI  
 FWHM / FWTM 10.0° / 19.0°  
 Efficiency 89 %  
 Peak intensity 21.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



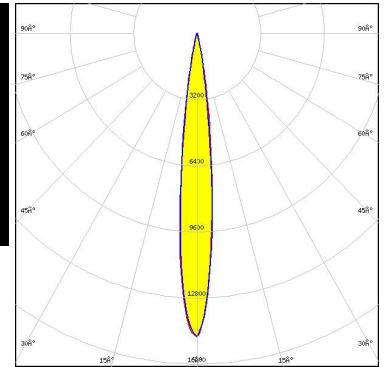
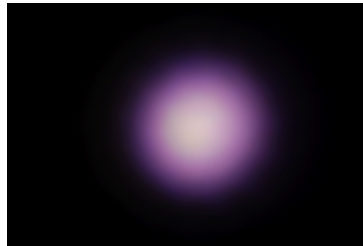
Light distribution files



### OPTICAL RESULTS (MEASURED):



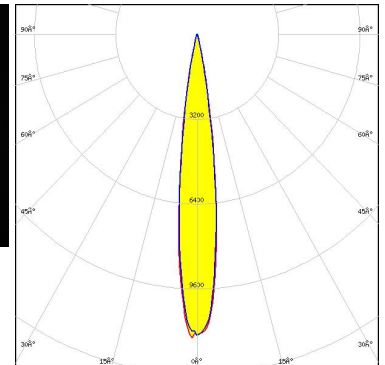
LED LUXEON 5052 RGBW  
FWHM / FWTM 12.0° / 23.0°  
Efficiency 91 %  
Peak intensity 14.8 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:



Light distribution files



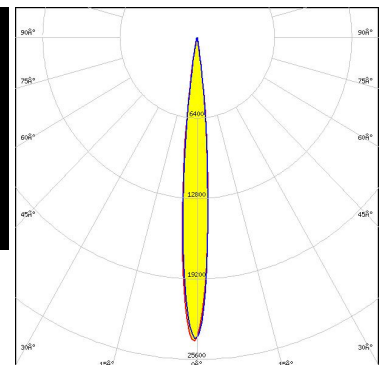
LED LUXEON CZ  
FWHM / FWTM 14.0° / 25.0°  
Efficiency 88 %  
Peak intensity 11.4 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files



LED SBM-40-RGBW  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 90 %  
Peak intensity 24 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

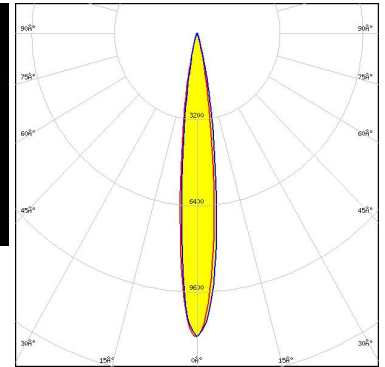
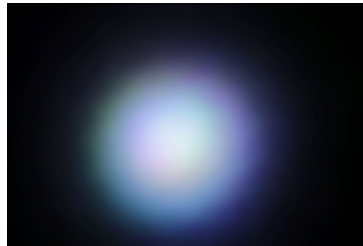


Light distribution files

### OPTICAL RESULTS (MEASURED):



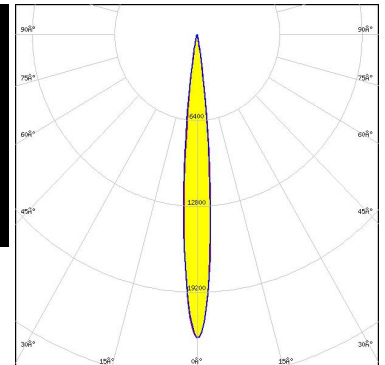
LED NCSxE17A  
FWHM / FWTM 13.0° / 27.0°  
Efficiency 91 %  
Peak intensity 11 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files



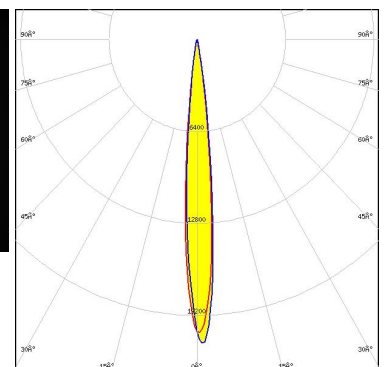
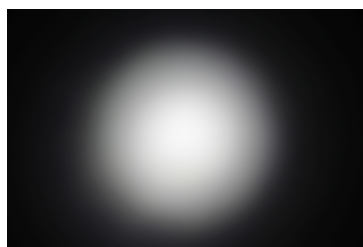
LED NVSW219F  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 91 %  
Peak intensity 22.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSLON Square EC  
FWHM / FWTM 10.0° / 19.0°  
Efficiency 88 %  
Peak intensity 21.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

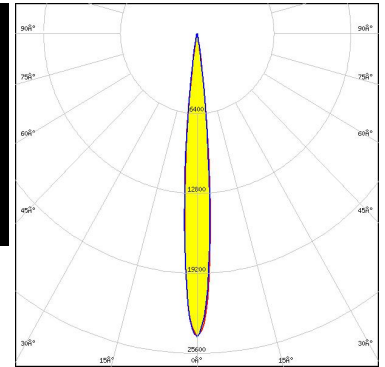


Light distribution files

### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

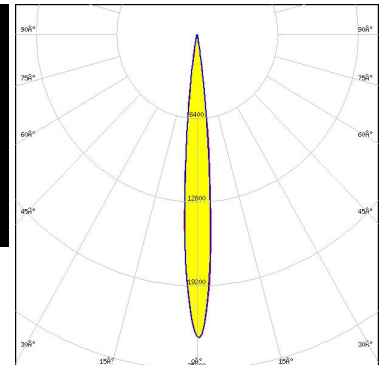
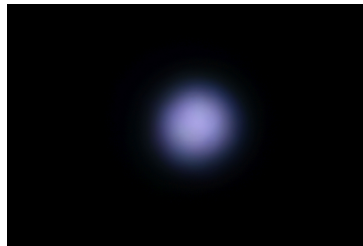
LED OSTAR Stage (S2WN)  
FWHM / FWTM 10.0° / 17.0°  
Efficiency 87 %  
Peak intensity 24 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SEKUL**  
SEOUL SEMICONDUCTOR

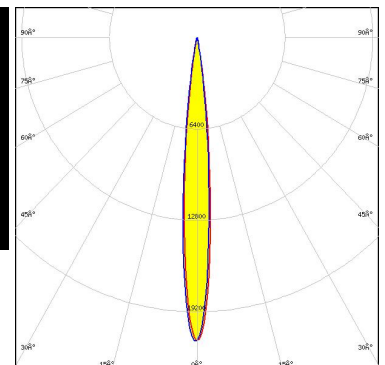
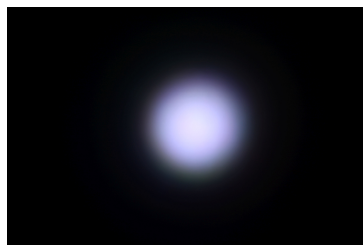
LED SPF05F0A  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 89 %  
Peak intensity 23.4 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:



Light distribution files

**SEKUL**  
SEOUL SEMICONDUCTOR

LED SPF05F0B  
FWHM / FWTM 10.0° / 19.0°  
Efficiency 90 %  
Peak intensity 21.3 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:

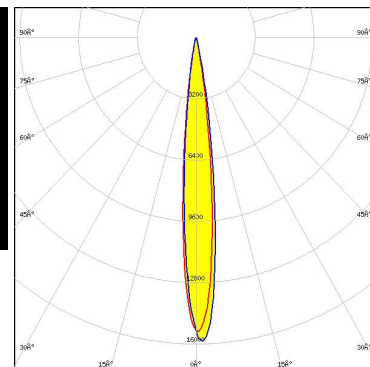
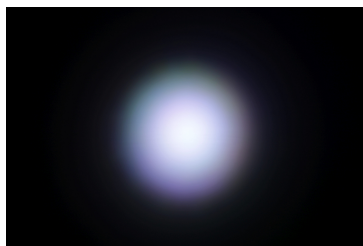


Light distribution files

### OPTICAL RESULTS (MEASURED):



LED                      SPF05F0C  
FWHM / FWTM      12.0° / 22.0°  
Efficiency            89 %  
Peak intensity      15.9 cd/lm  
LEDs/each optic    1  
Light colour/type   RGBW  
Required components:

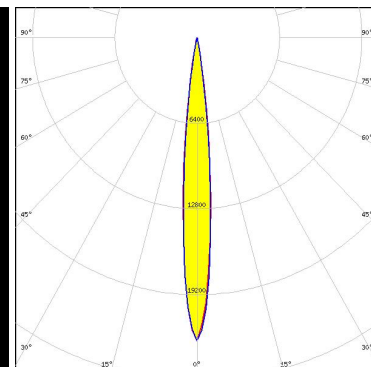
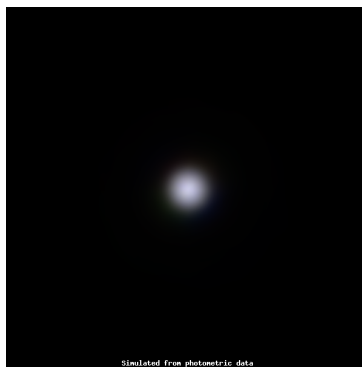


Light distribution files

### OPTICAL RESULTS (SIMULATED):



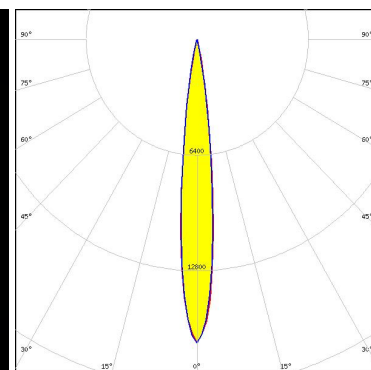
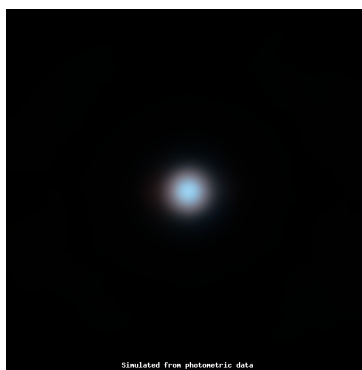
LED SMD 3838 RGBW 3V  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 94 %  
Peak intensity 22.7 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:



Light distribution files



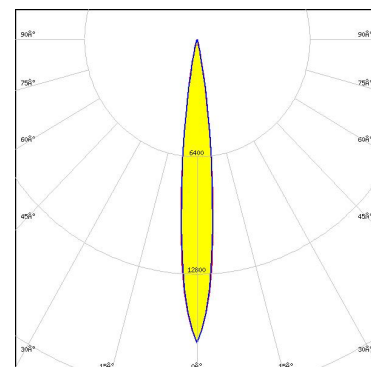
LED CLQ6A-TKW  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 94 %  
Peak intensity 16.8 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:



Light distribution files



LED CLQ6A-TKW  
FWHM / FWTM 12.3° / 23.3°  
Efficiency 94 %  
Peak intensity 16.6 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:

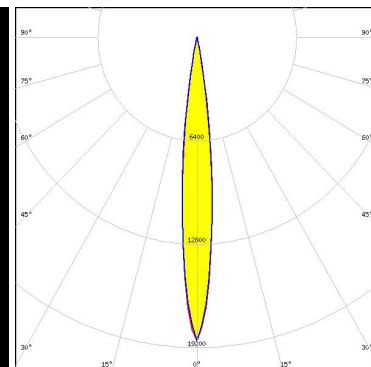
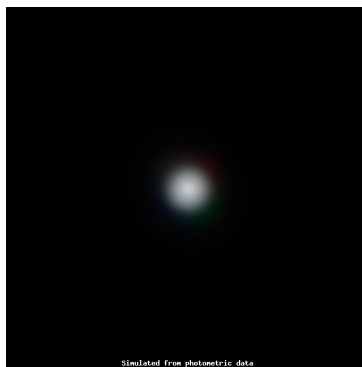


Light distribution files

### OPTICAL RESULTS (SIMULATED):



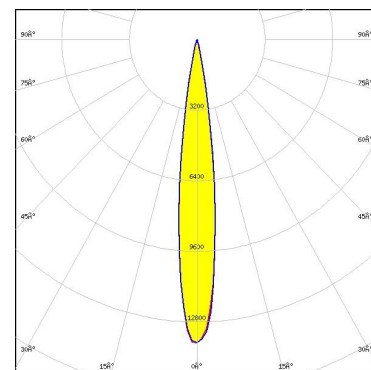
LED XE-G  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 93 %  
Peak intensity 18.8 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files



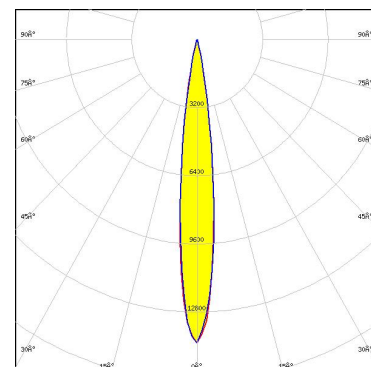
LED XHP50  
FWHM / FWTM 14.0° / 24.0°  
Efficiency 92 %  
Peak intensity 13.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XHP50.2  
FWHM / FWTM 13.0° / 25.0°  
Efficiency 91 %  
Peak intensity 14.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

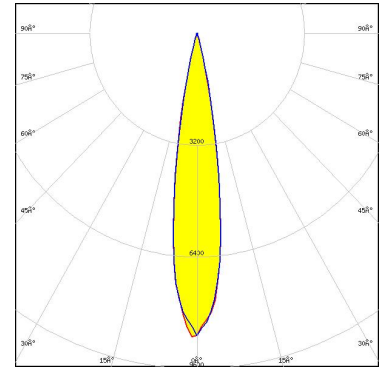


Light distribution files

### OPTICAL RESULTS (SIMULATED):



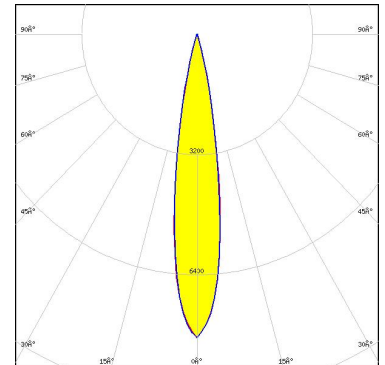
LED XHP70  
FWHM / FWTM 18.0° / 29.0°  
Efficiency 90 %  
Peak intensity 8.9 cd/Im  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



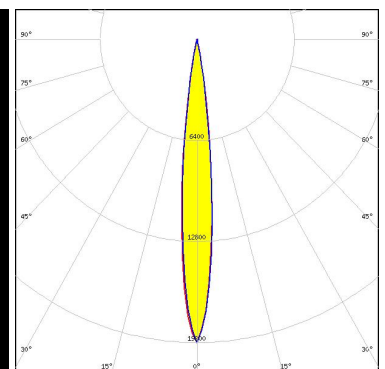
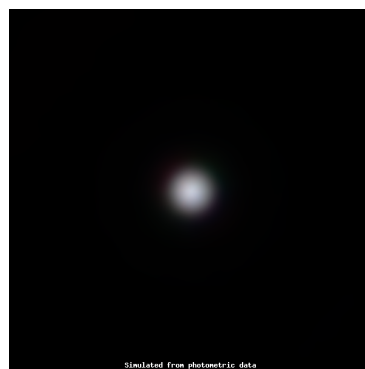
LED XHP70.2  
FWHM / FWTM 17.0° / 30.0°  
Efficiency 89 %  
Peak intensity 8.1 cd/Im  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XM-L RGBW (XMLCTW)  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 94 %  
Peak intensity 19.2 cd/Im  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:

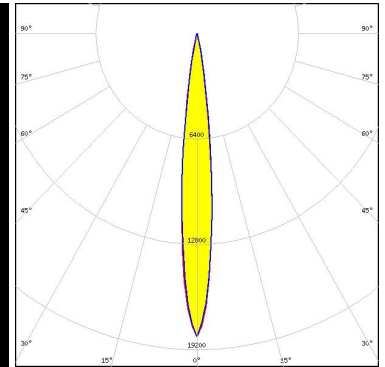


Light distribution files

### OPTICAL RESULTS (SIMULATED):



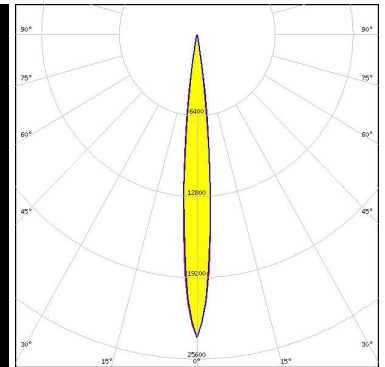
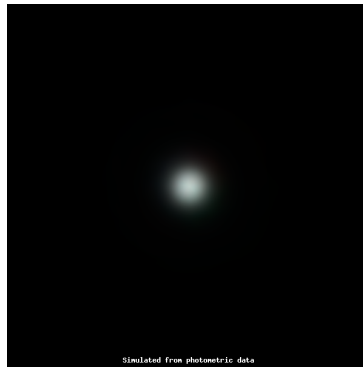
LED XM-L RGBW (XMLDCL HD)  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 94 %  
 Peak intensity 18.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:



Light distribution files



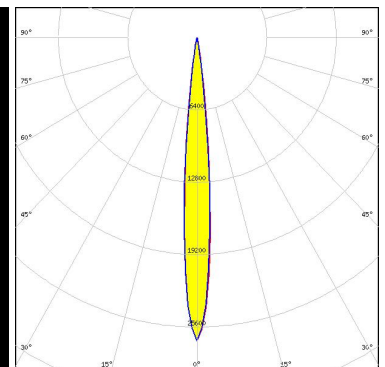
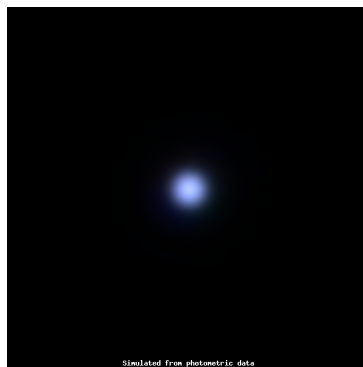
LED XM-L RGBW (XMLDCL HI)  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 94 %  
 Peak intensity 23.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:



Light distribution files



LED XN-P Color  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 94 %  
 Peak intensity 26.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:



Light distribution files



### OPTICAL RESULTS (SIMULATED):

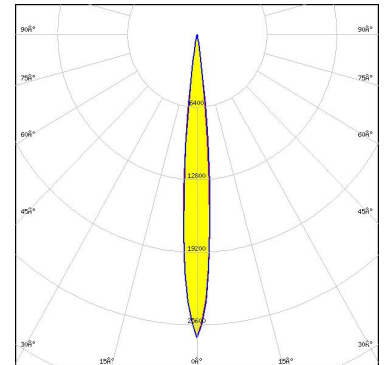


|                      |               |
|----------------------|---------------|
| LED                  | XNPA          |
| FWHM / FWTM          | 10.0° / 18.0° |
| Efficiency           | 93 %          |
| Peak intensity       | 26.2 cd/lm    |
| LEDs/each optic      | 1             |
| Light colour/type    | RGBW          |
| Required components: |               |

Light distribution files



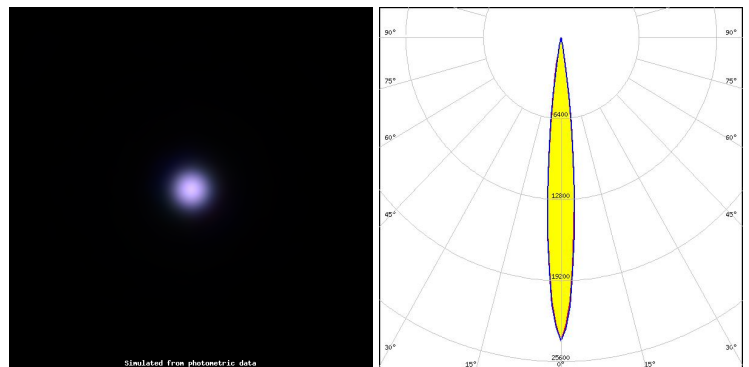
|                      |               |
|----------------------|---------------|
| LED                  | XP-E2         |
| FWHM / FWTM          | 10.0° / 18.0° |
| Efficiency           | 93 %          |
| Peak intensity       | 26.7 cd/lm    |
| LEDs/each optic      | 1             |
| Light colour/type    | Amber         |
| Required components: |               |



Light distribution files



|                      |                      |
|----------------------|----------------------|
| LED                  | XP-L RGBW HD         |
| FWHM / FWTM          | 10.0° / 20.0 + 19.0° |
| Efficiency           | 93 %                 |
| Peak intensity       | 24 cd/lm             |
| LEDs/each optic      | 1                    |
| Light colour/type    | RGBW                 |
| Required components: |                      |

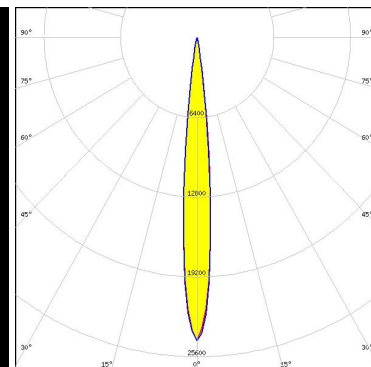
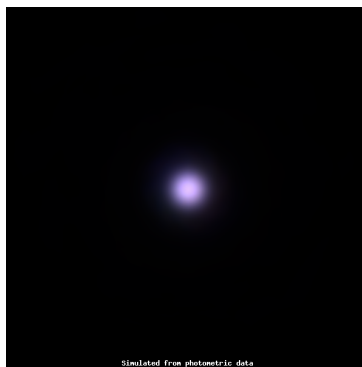


Light distribution files

### OPTICAL RESULTS (SIMULATED):



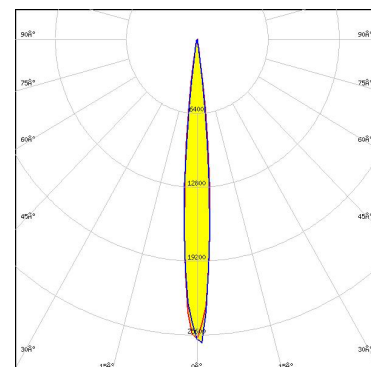
LED XP-L RGBW HI  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 93 %  
Peak intensity 24.3 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:



Light distribution files



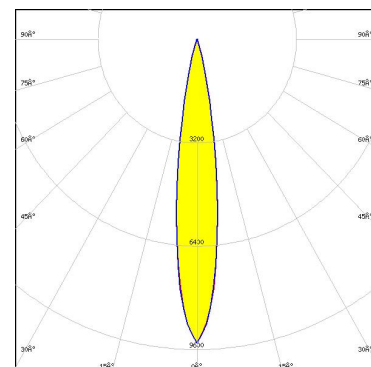
LED LZ4-04MDPB  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 92 %  
Peak intensity 28.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON 7070  
FWHM / FWTM 16.0° / 30.0°  
Efficiency 92 %  
Peak intensity 9.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

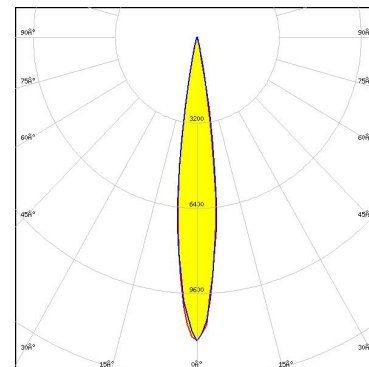


Light distribution files

### OPTICAL RESULTS (SIMULATED):



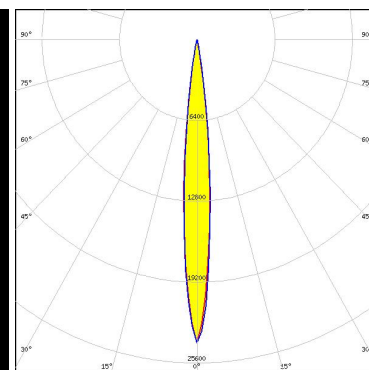
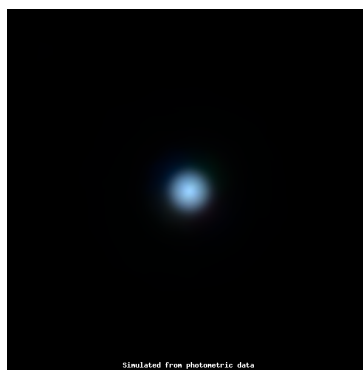
LED LUXEON C  
FWHM / FWTM 14.0° / 24.0°  
Efficiency 85 %  
Peak intensity 11.5 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files



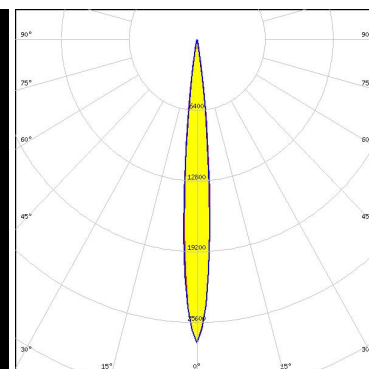
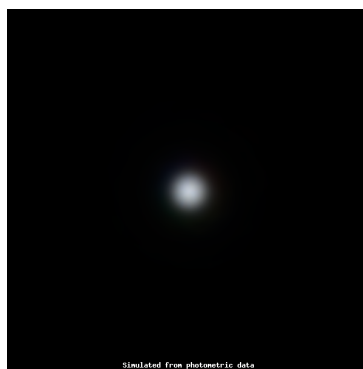
LED LUXEON Rubix  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 94 %  
Peak intensity 24 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files



LED SBM-40 HC  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 94 %  
Peak intensity 27.4 cd/lm  
LEDs/each optic 1  
Light colour/type RGBL  
Required components:

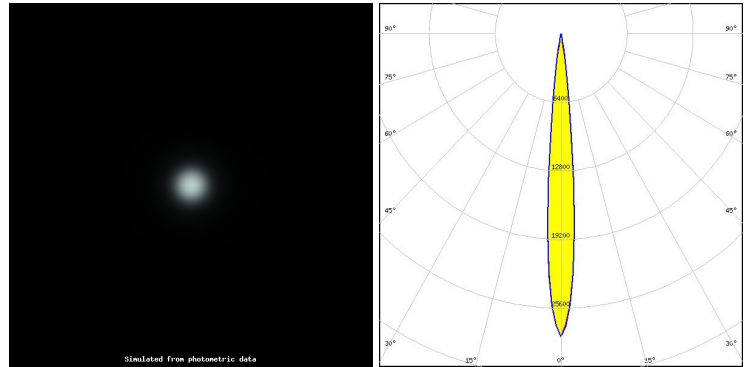


Light distribution files

### OPTICAL RESULTS (SIMULATED):



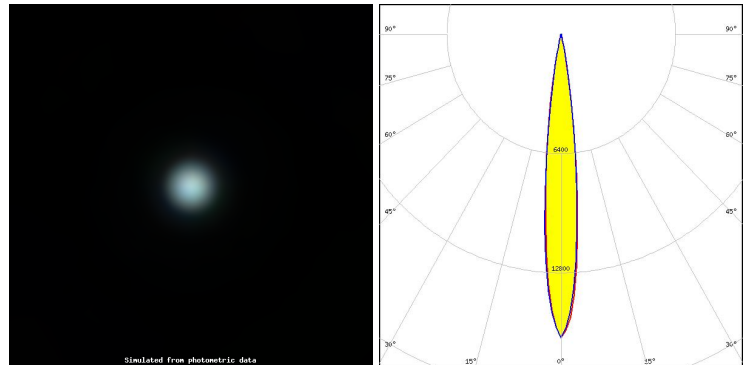
LED SFT-40 Gen2  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 94 %  
Peak intensity 28.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



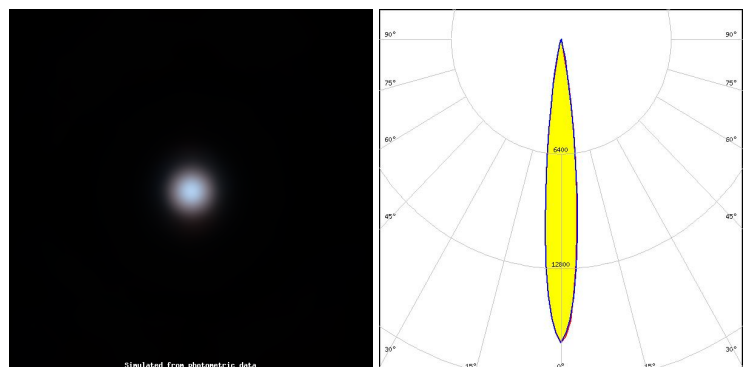
LED NCSxE17A  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 92 %  
Peak intensity 16.3 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files



LED DURIS E 5050 (GW J9LHS1.4M)  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 94 %  
Peak intensity 17 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:

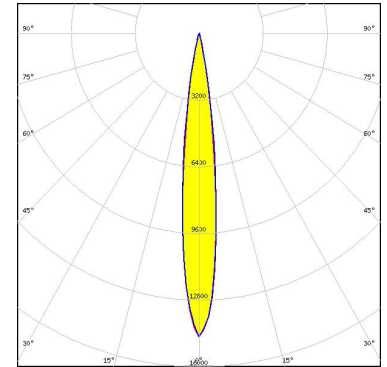


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

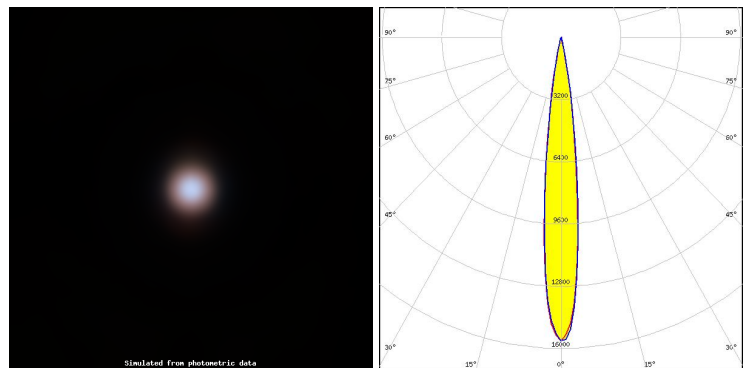
LED DURIS E 5050 (GW J9LHS1.4M)  
FWHM / FWTM 13.0 + 14.0° / 24.0°  
Efficiency 93 %  
Peak intensity 14.8 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

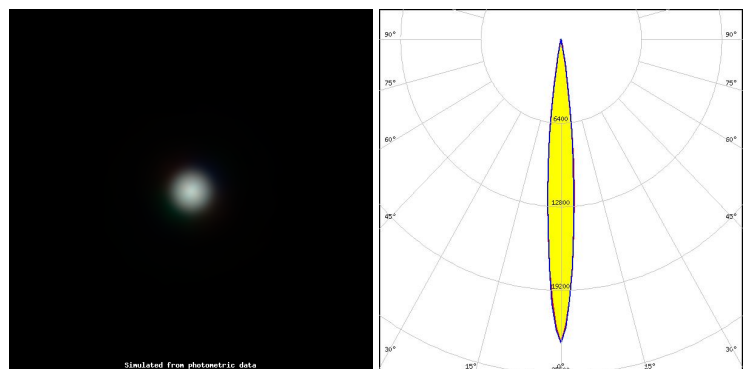
LED DURIS E 5050 (GW J9LHS2.4M)  
FWHM / FWTM 12.0 + 13.0° / 22.0 + 24.0°  
Efficiency 93 %  
Peak intensity 15.6 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSOLON Pure 1414  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 93 %  
Peak intensity 23.2 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:

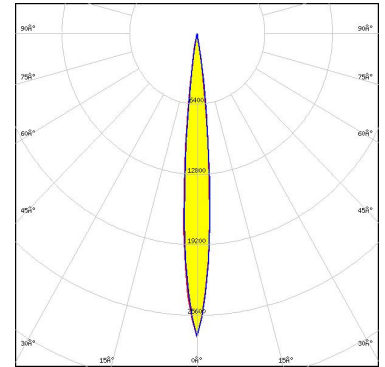


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

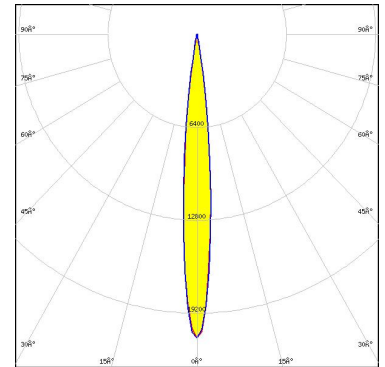
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 93 %  
Peak intensity 27.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

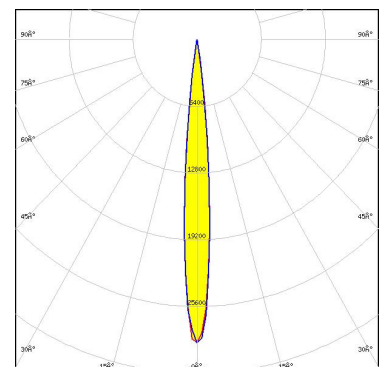
LED OSTAR Stage (S2WP)  
FWHM / FWTM 11.0° / 19.0°  
Efficiency 92 %  
Peak intensity 22.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED Ostar-SMT RGB  
FWHM / FWTM 10.0° / 17.0°  
Efficiency 92 %  
Peak intensity 31.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

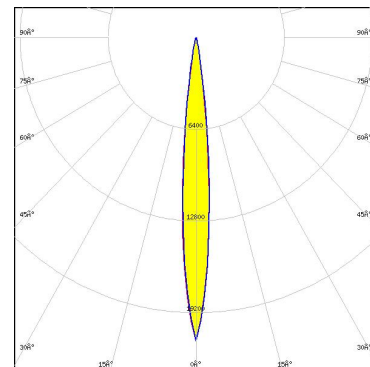
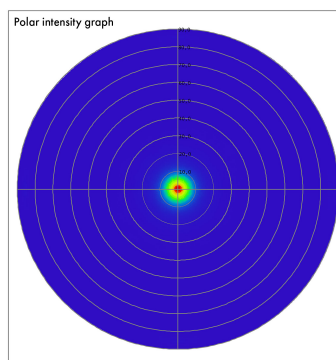


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED SFH 4717AS  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 93 %  
LEDs/each optic 1  
Light colour/type IR  
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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