

## VERONICA-SQ-MINI-RS

~17° spot beam

## SPECIFICATION:

Dimensions	13.9 x 13.9
Height	8.9 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

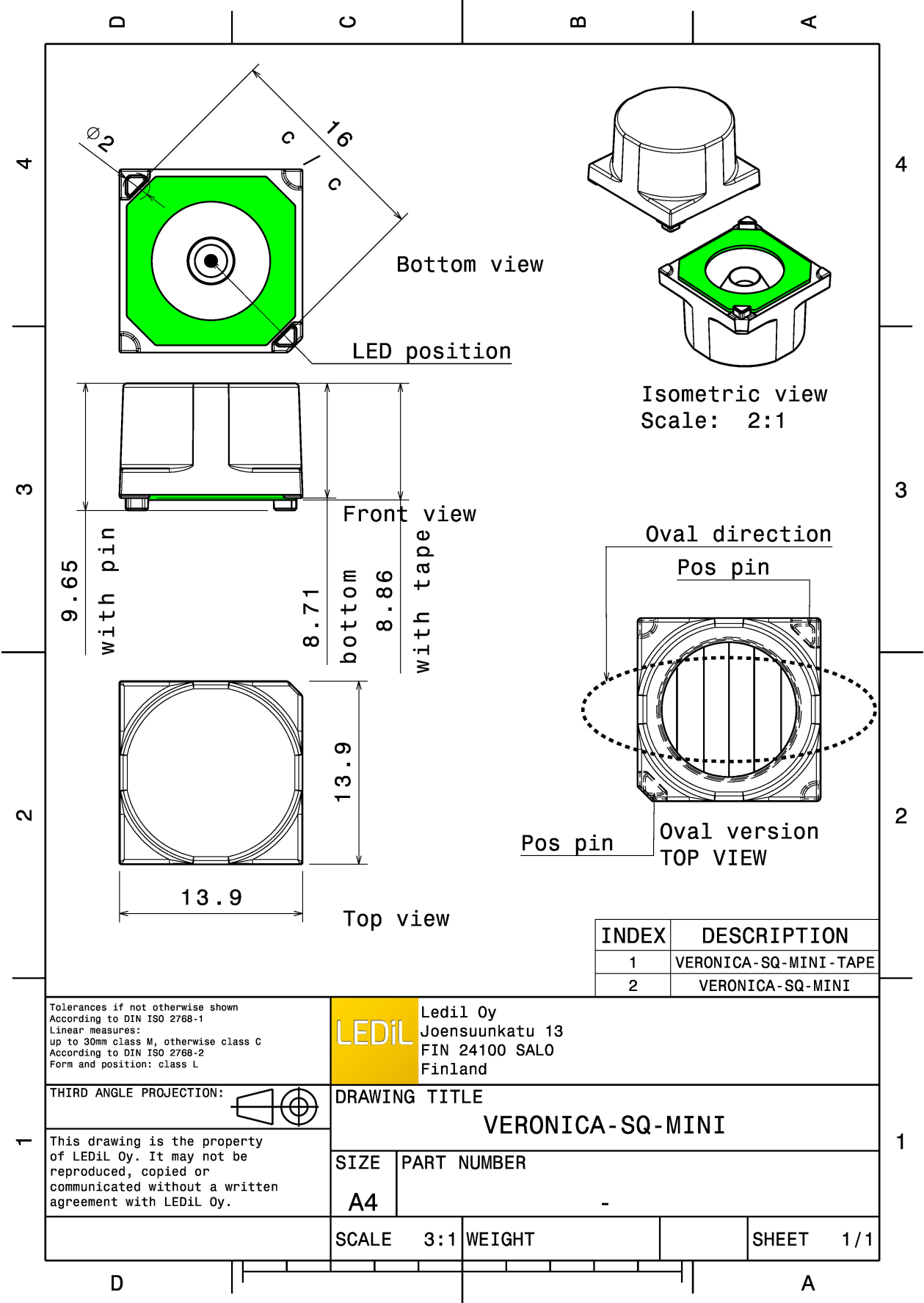
## MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
VERONICA-SQ-MINI-RS	Single lens	PMMA	clear		
VERONICA-SQ-MINI-TAPE	Tape	Acryl tape	clear		



## ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA14601_VERONICA-SQ-MINI-RS	Single lens	5544	252	252	7.9
» Box size: 480 x 280 x 300 mm					

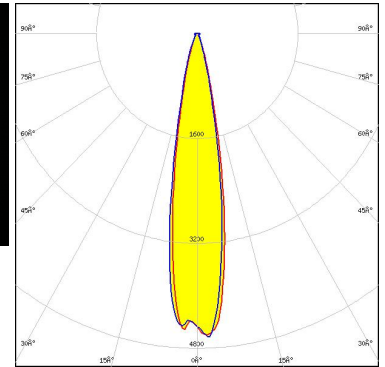


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



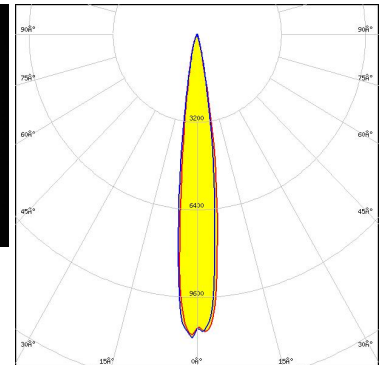
LED XD16  
FWHM / FWTM 19.0° / 36.0°  
Efficiency 92 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



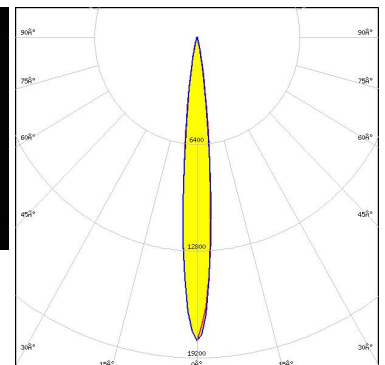
LED XP-E2  
FWHM / FWTM 14.0° / 26.0°  
Efficiency 92 %  
Peak intensity 11 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XQ-E HI  
FWHM / FWTM 9.4° / 24.0°  
Efficiency 90 %  
Peak intensity 14.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

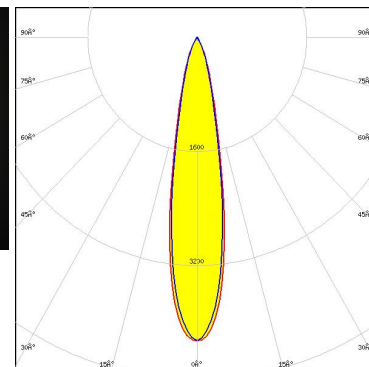
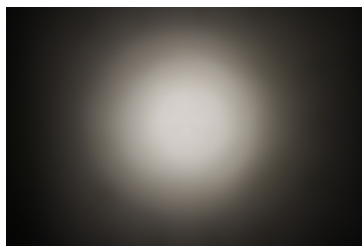


Light distribution files

#### OPTICAL RESULTS (MEASURED):



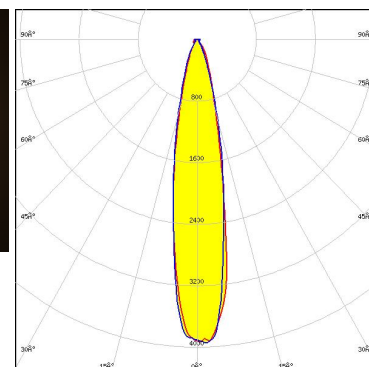
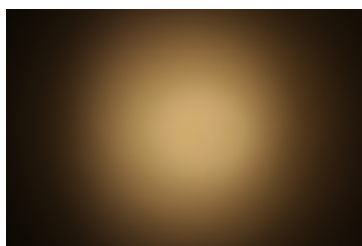
LED LUXEON Rebel ES  
 FWHM / FWTM 21.0° / 43.0°  
 Efficiency 83 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



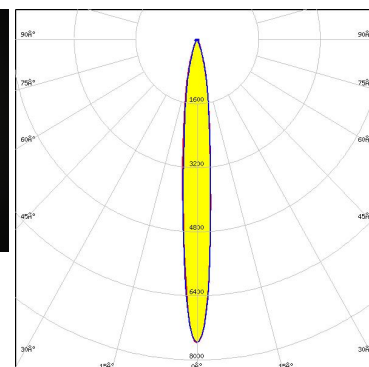
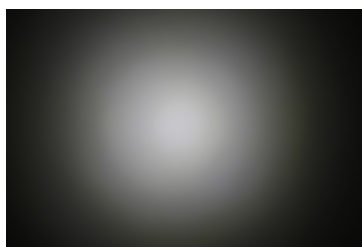
LED LUXEON TX  
 FWHM / FWTM 20.0° / 44.0°  
 Efficiency 92 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NCSxE17A  
 FWHM / FWTM 11.0° / 32.0°  
 Efficiency 92 %  
 Peak intensity 7.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



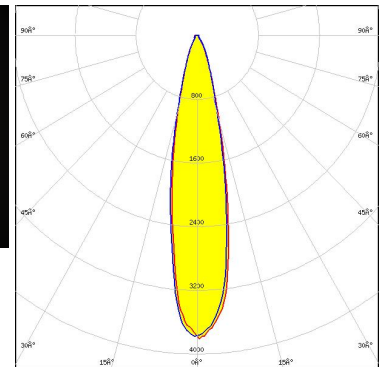
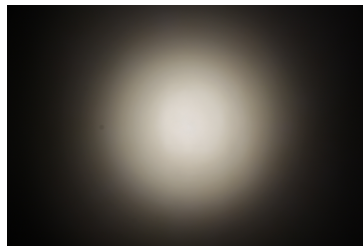
Light distribution files



#### OPTICAL RESULTS (MEASURED):



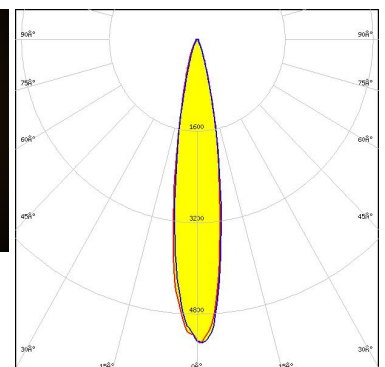
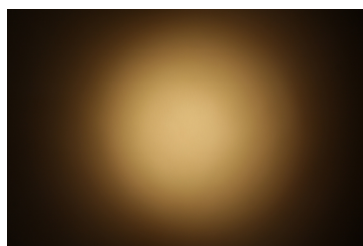
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 21.0° / 45.0°  
 Efficiency 93 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED OSLON Square EC  
 FWHM / FWTM 18.0° / 37.0°  
 Efficiency 91 %  
 Peak intensity 5.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED SFH 4170S  
 FWHM / FWTM 13.0° / 25.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour/type IR  
 Required components:

Light distribution files

#### OPTICAL RESULTS (MEASURED):

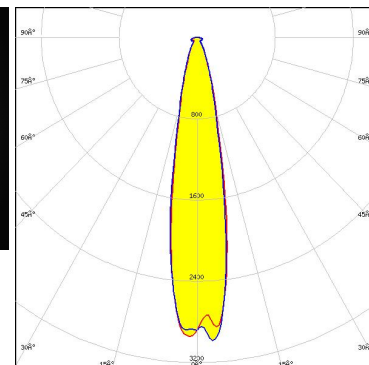
**OSRAM**  
Opto Semiconductors

LED SFH 4180S  
FWHM / FWTM 11.0° / 22.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type IR  
Required components:

Light distribution files

**SAMSUNG**

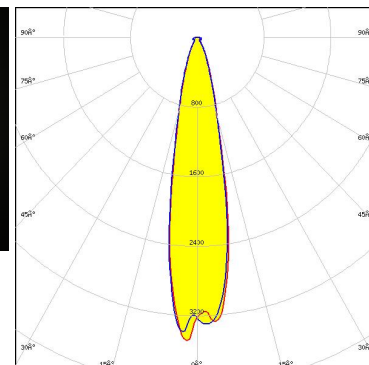
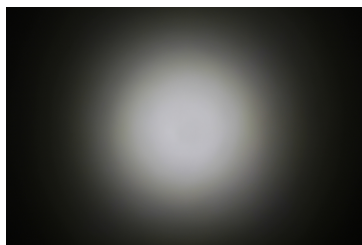
LED LH181A  
FWHM / FWTM 21.0° / 44.0°  
Efficiency 86 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

LED LH181B  
FWHM / FWTM 22.0° / 45.0°  
Efficiency 94 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

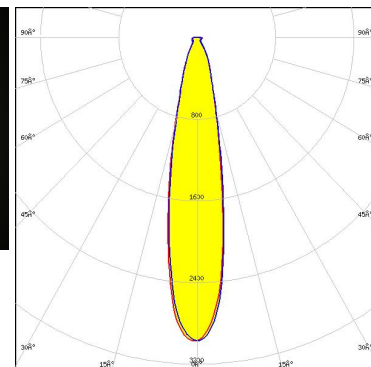
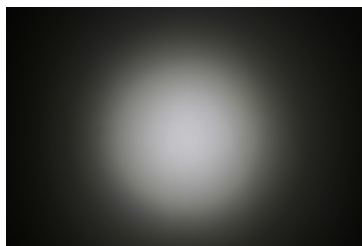


Light distribution files

#### OPTICAL RESULTS (MEASURED):



LED Z8Y22P  
 FWHM / FWTM 21.0° / 49.0°  
 Efficiency 92 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

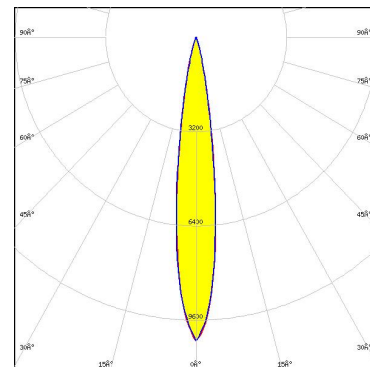


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



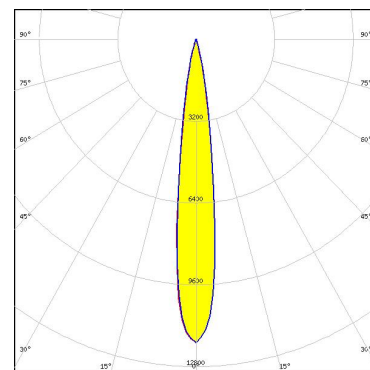
LED XP-E  
 FWHM / FWTM 15.0° / 29.0°  
 Efficiency 92 %  
 Peak intensity 10.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



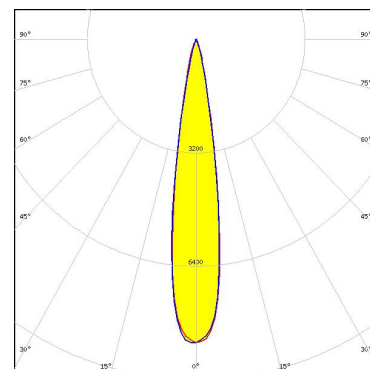
LED XP-E2 blue  
 FWHM / FWTM 14.0° / 27.0°  
 Efficiency 97 %  
 Peak intensity 11.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type Blue  
 Required components:



Light distribution files



LED XP-E2 red  
 FWHM / FWTM 18.0° / 30.0°  
 Efficiency 97 %  
 Peak intensity 8.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type Red  
 Required components:

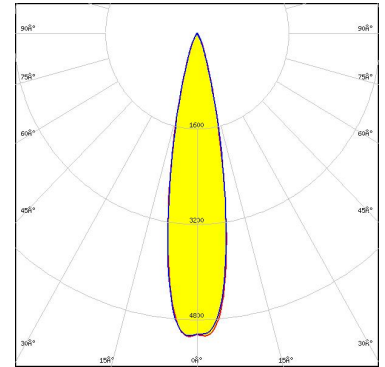


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



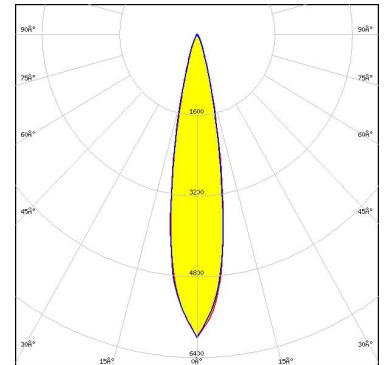
LED XP-G  
FWHM / FWTM 21.0° / 40.0°  
Efficiency 91 %  
Peak intensity 5.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



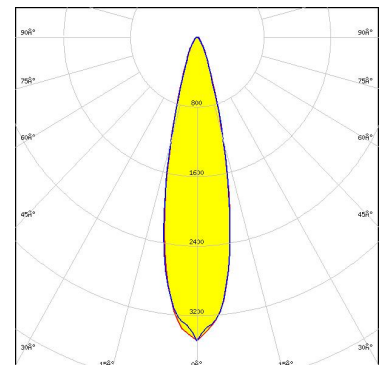
LED XP-G2  
FWHM / FWTM 20.0° / 38.0°  
Efficiency 93 %  
Peak intensity 6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-G2 HE  
FWHM / FWTM 24.0° / 47.0°  
Efficiency 97 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

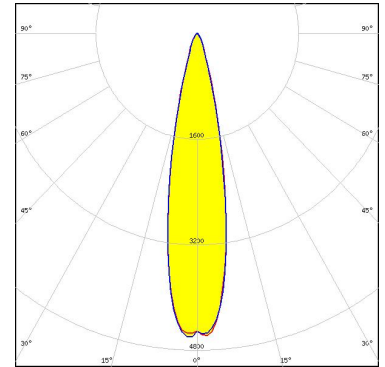


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



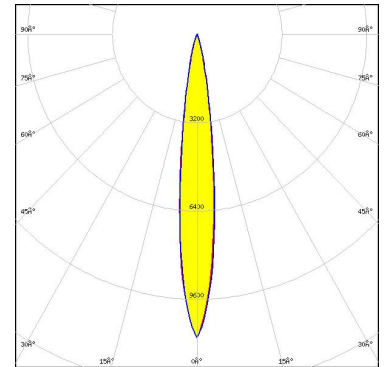
LED XP-G4  
FWHM / FWTM 22.0° / 40.0°  
Efficiency 96 %  
Peak intensity 4.6 cd/Im  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



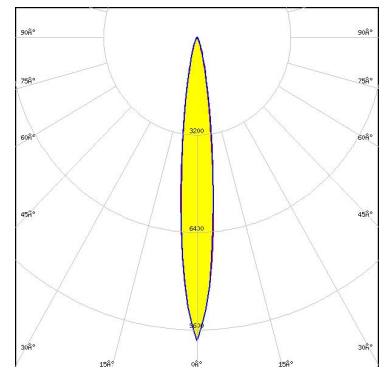
LED XQ-E HD  
FWHM / FWTM 13.0° / 28.0°  
Efficiency 89 %  
Peak intensity 11 cd/Im  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON 2835 Architectural  
FWHM / FWTM 12.0° / 29.0°  
Efficiency 96 %  
Peak intensity 10 cd/Im  
LEDs/each optic 1  
Light colour/type PC Amber  
Required components:



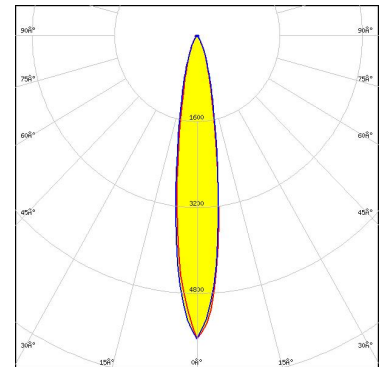
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



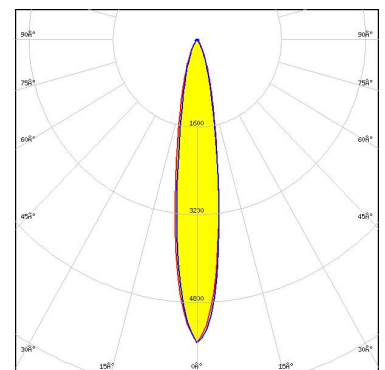
LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM 16.0° / 40.0°  
 Efficiency 95 %  
 Peak intensity 5.6 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



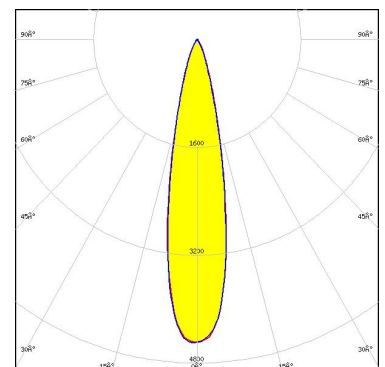
LED LUXEON 3030 HV  
 FWHM / FWTM 17.0° / 41.0°  
 Efficiency 95 %  
 Peak intensity 5.5 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON A  
 FWHM / FWTM 21.0° / 42.0°  
 Efficiency 89 %  
 Peak intensity 4.5 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

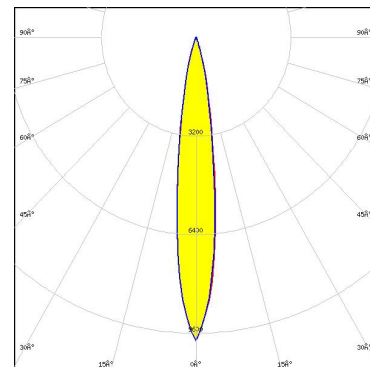


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



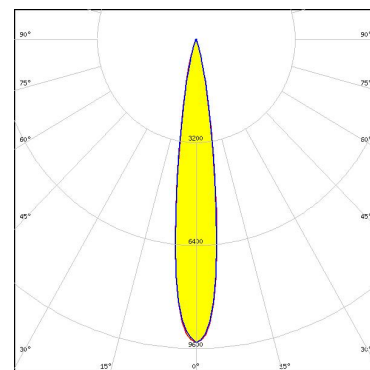
LED LUXEON C  
FWHM / FWTM 15.0° / 31.0°  
Efficiency 94 %  
Peak intensity 9.9 cd/Im  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



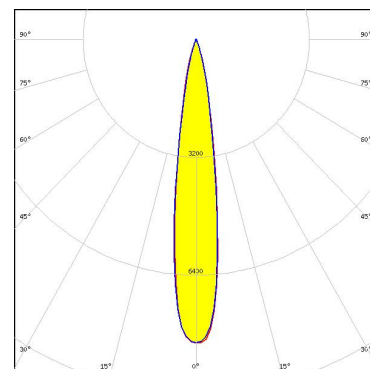
LED LUXEON C  
FWHM / FWTM 16.0° / 30.0°  
Efficiency 92 %  
Peak intensity 9.4 cd/Im  
LEDs/each optic 1  
Light colour/type Blue  
Required components:



Light distribution files



LED LUXEON C  
FWHM / FWTM 16.0° / 32.0°  
Efficiency 92 %  
Peak intensity 8.3 cd/Im  
LEDs/each optic 1  
Light colour/type Red  
Required components:

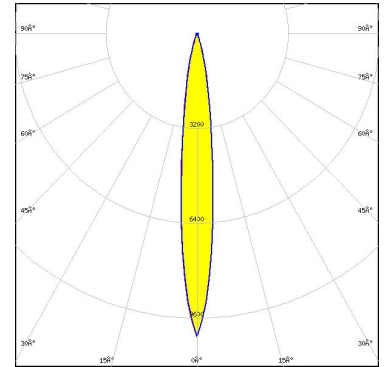


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



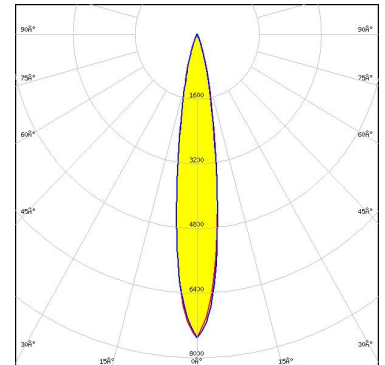
LED LUXEON HL1Z  
 FWHM / FWTM 12.0° / 30.0°  
 Efficiency 96 %  
 Peak intensity 10.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



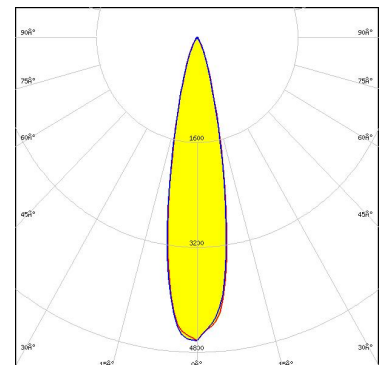
LED LUXEON Rebel  
 FWHM / FWTM 16.0° / 34.0°  
 Efficiency 87 %  
 Peak intensity 7.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON T  
 FWHM / FWTM 22.0° / 42.0°  
 Efficiency 96 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

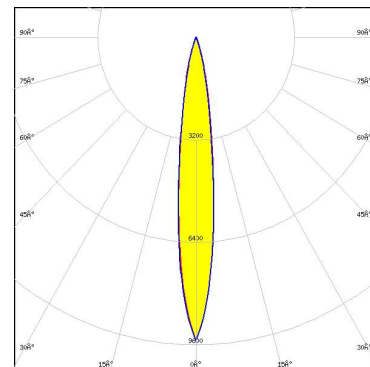


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



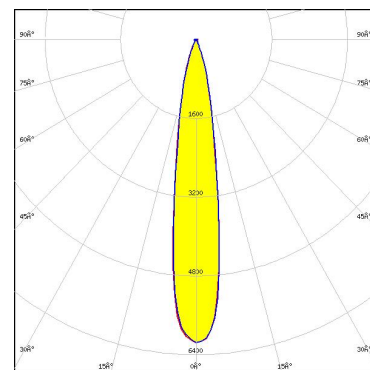
LED LUXEON Z ES  
 FWHM / FWTM 14.0° / 31.0°  
 Efficiency 89 %  
 Peak intensity 9.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



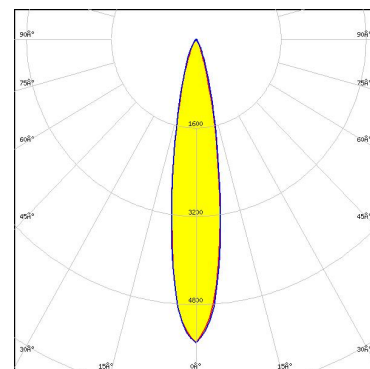
LED SST-20 Gen1  
 FWHM / FWTM 17.0° / 37.0°  
 Efficiency 96 %  
 Peak intensity 6.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NF2x757G  
 FWHM / FWTM 19.0° / 40.0°  
 Efficiency 97 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

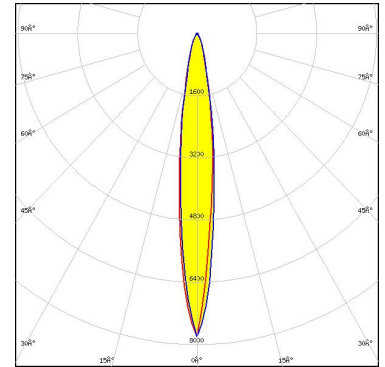


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



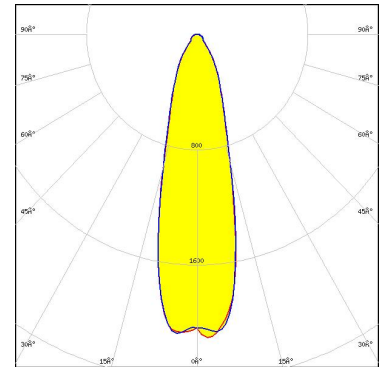
LED NFSx757G  
 FWHM / FWTM 14.0° / 33.0°  
 Efficiency 96 %  
 Peak intensity 7.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



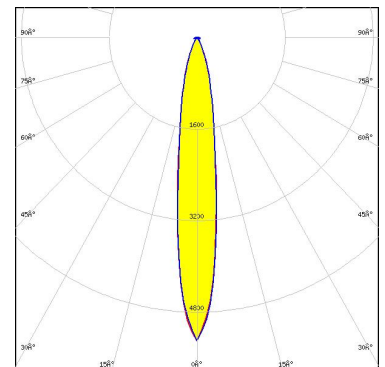
LED NV4WB35AM  
 FWHM / FWTM 28.0° / 68.0°  
 Efficiency 95 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSxE21A  
 FWHM / FWTM 15.0° / 41.0°  
 Efficiency 94 %  
 Peak intensity 5.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

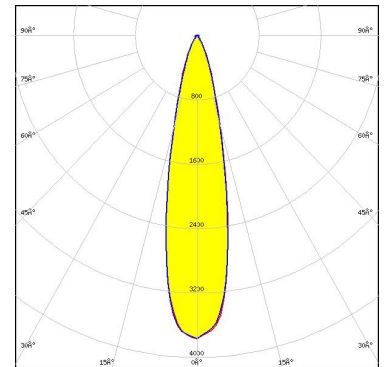


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



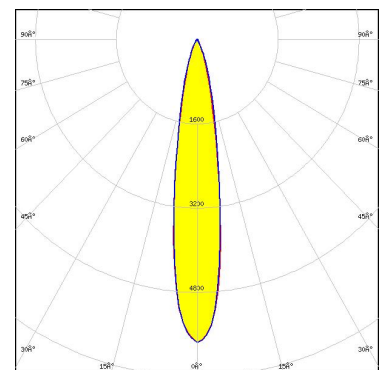
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 24.0° / 47.0°  
 Efficiency 94 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



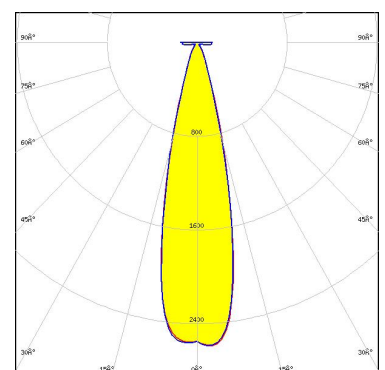
LED OSCONIQ P 3737 (2W version)  
 FWHM / FWTM 18.0° / 39.0°  
 Efficiency 94 %  
 Peak intensity 5.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED OSCONIQ P 3737 (3W version)  
 FWHM / FWTM 25.0° / 43.0°  
 Efficiency 89 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



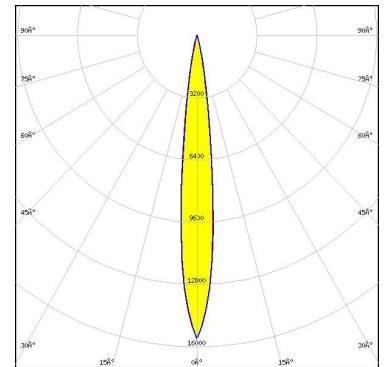
Light distribution files



#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

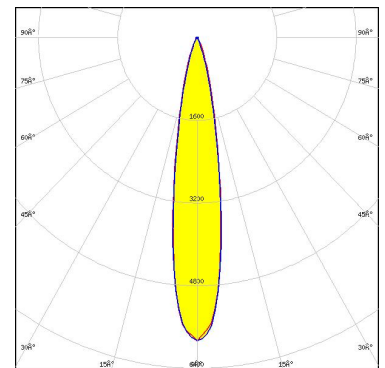
LED OSLON Pure 1414  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 97 %  
Peak intensity 15.6 cd/Im  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

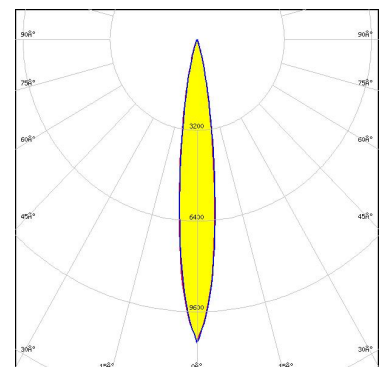
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 18.0° / 39.0°  
Efficiency 92 %  
Peak intensity 5.9 cd/Im  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM / FWTM 14.0° / 28.0°  
Efficiency 89 %  
Peak intensity 10.7 cd/Im  
LEDs/each optic 1  
Light colour/type White  
Required components:

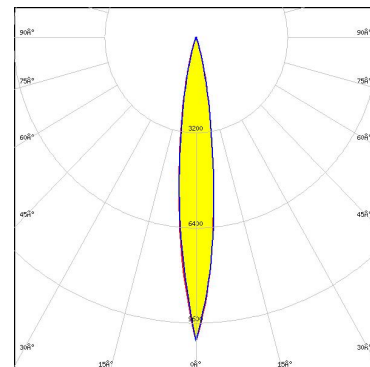


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

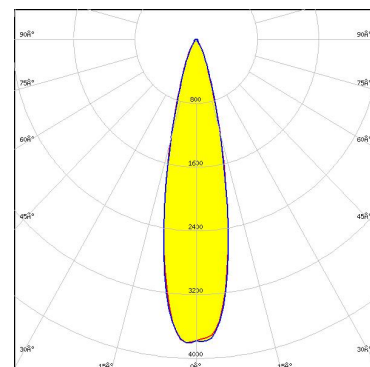
LED OSLON SSL 80  
FWHM / FWTM 14.0° / 29.0°  
Efficiency 90 %  
Peak intensity 10.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

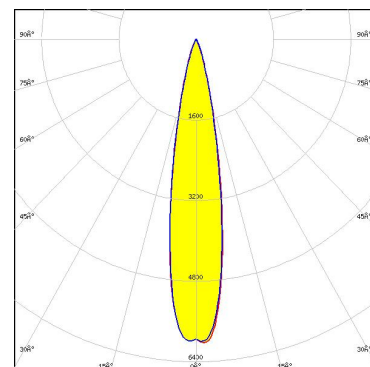
LED LH351B  
FWHM / FWTM 24.0° / 46.0°  
Efficiency 94 %  
Peak intensity 3.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

LED LH351Z  
FWHM / FWTM 19.0° / 36.0°  
Efficiency 92 %  
Peak intensity 6.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

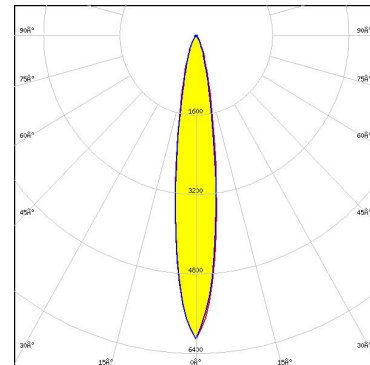


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



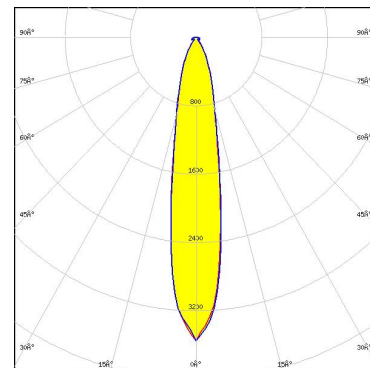
LED MJT 3030  
 FWHM / FWTM 16.0° / 38.0°  
 Efficiency 96 %  
 Peak intensity 6.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Z8Y22T  
 FWHM / FWTM 19.0° / 50.0°  
 Efficiency 94 %  
 Peak intensity 3.6 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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