

## LISA3-RS-CLIP16

~15° spot beam with clip installation.

## SPECIFICATION:

Dimensions	Ø 10.0
Height	7.9 mm
Fastening	clips
ROHS compliant	yes ⓘ

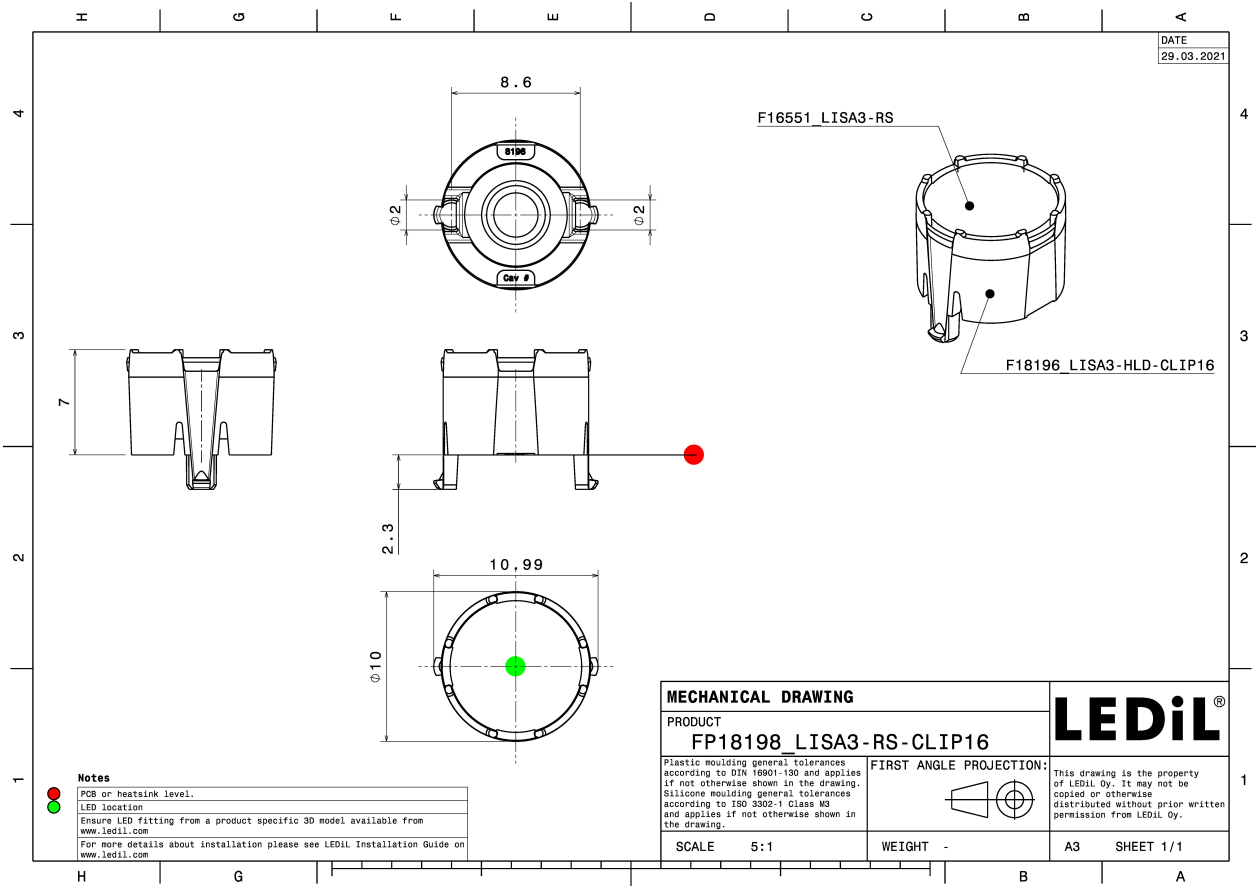
## MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LISA3-RS	Single lens	PMMA	clear		
LISA3-HLD-CLIP16	Holder	PC	black		



## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FP18198_LISA3-RS-CLIP16 » Box size: 310 x 230 x 60 mm	2000	300	100	1.2

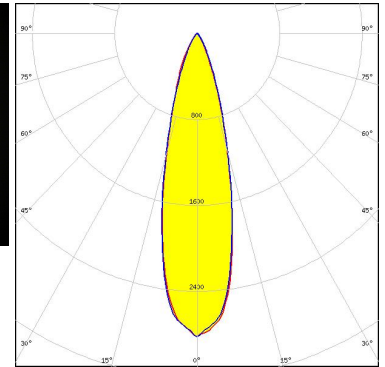
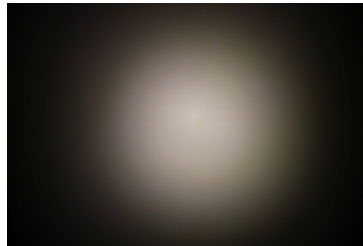


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



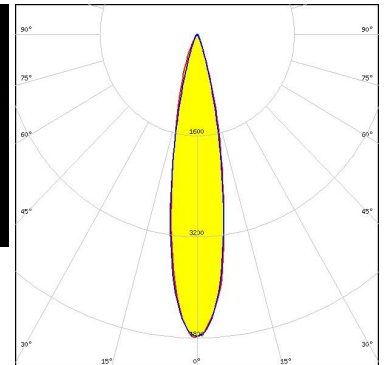
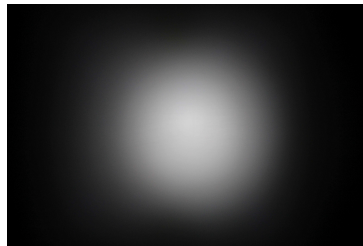
LED XP-G3  
 FWHM / FWTM 27.0° / 52.0°  
 Efficiency 83 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED OSLOM Square CSSRM2/CSSRM3  
 FWHM / FWTM 21.0° / 40.0°  
 Efficiency 87 %  
 Peak intensity 4.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

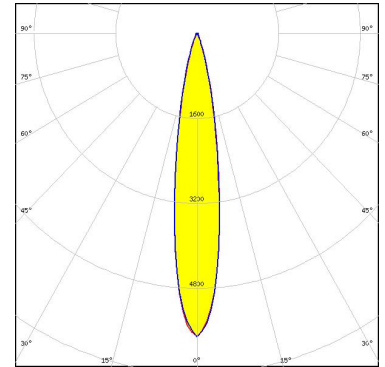


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



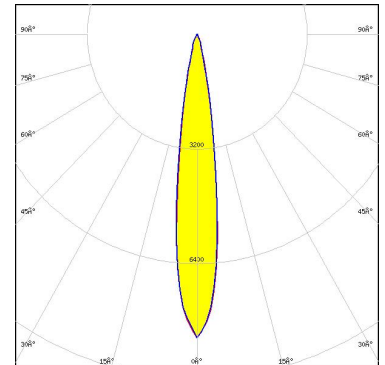
LED XD16  
 FWHM / FWTM 18.0° / 36.0°  
 Efficiency 81 %  
 Peak intensity 5.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



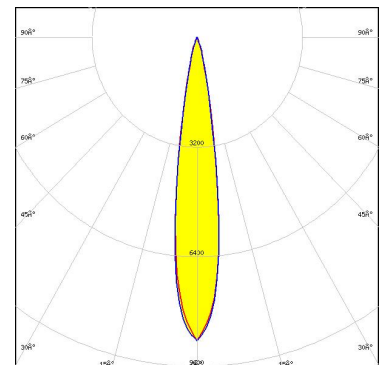
LED XE-G  
 FWHM / FWTM 16.0° / 30.0°  
 Efficiency 89 %  
 Peak intensity 8.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-E  
 FWHM / FWTM 16.0° / 30.0°  
 Efficiency 90 %  
 Peak intensity 8.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

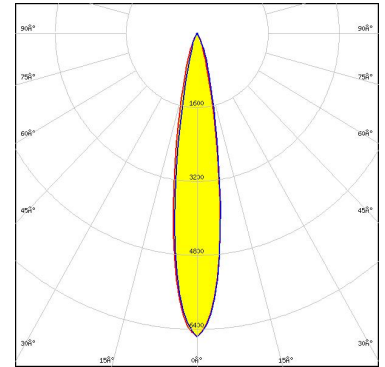


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



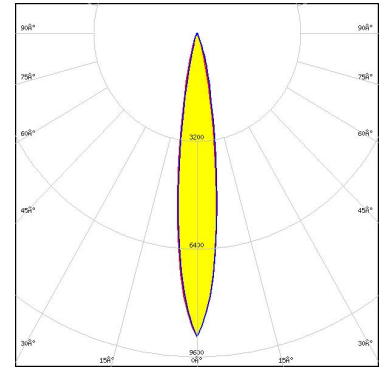
LED XP-E2  
 FWHM / FWTM 17.0° / 35.0°  
 Efficiency 91 %  
 Peak intensity 6.6 cd/Im  
 LEDs/each optic 1  
 Light colour/type Red  
 Required components:



#### OPTICAL RESULTS (SIMULATED):



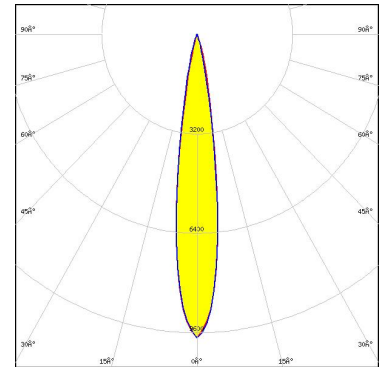
LED XP-E2  
 FWHM / FWTM 15.0° / 32.0°  
 Efficiency 91 %  
 Peak intensity 9 cd/Im  
 LEDs/each optic 1  
 Light colour/type Green  
 Required components:



Light distribution files



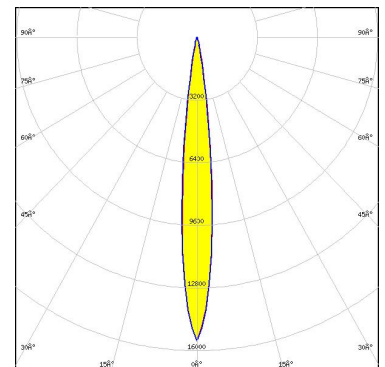
LED XQ-E HD  
 FWHM / FWTM 16.0° / 29.0°  
 Efficiency 89 %  
 Peak intensity 9.8 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XQ-E HI  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 89 %  
 Peak intensity 15.5 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

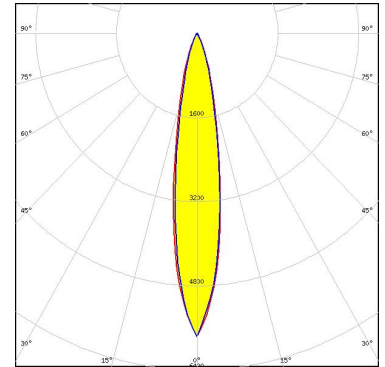


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



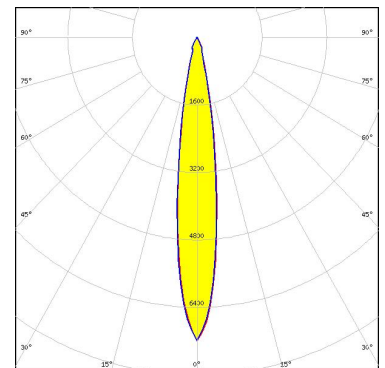
LED LUXEON 2835 Line  
 FWHM / FWTM 18.0° / 41.0°  
 Efficiency 89 %  
 Peak intensity 5.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



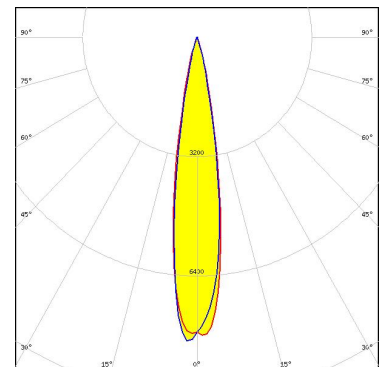
LED LUXEON C  
 FWHM / FWTM 16.0° / 31.0°  
 Efficiency 82 %  
 Peak intensity 7.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED SST-10-B130  
 FWHM / FWTM 18.0° / 31.0°  
 Efficiency 88 %  
 Peak intensity 8.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type Green  
 Required components:

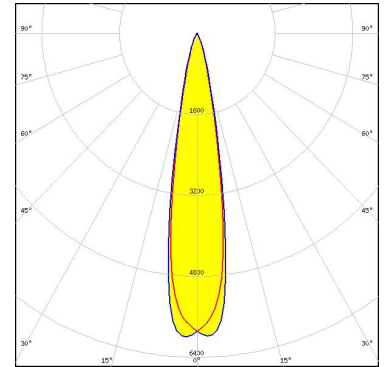


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



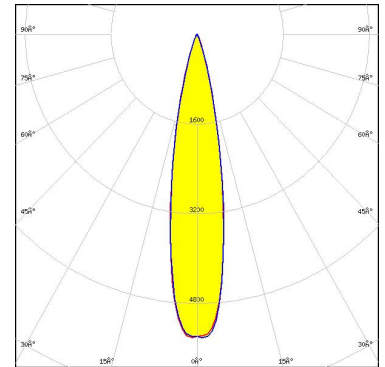
LED SST-10-B130  
 FWHM / FWTM 20.0° / 35.0°  
 Efficiency 90 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour/type Red  
 Required components:



Light distribution files



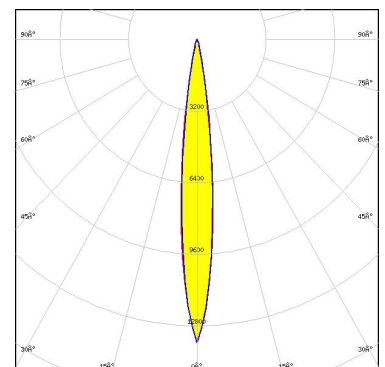
LED SST-20  
 FWHM / FWTM 20.0° / 37.0°  
 Efficiency 85 %  
 Peak intensity 5.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED KB CSLNM1.14  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 91 %  
 Peak intensity 13.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



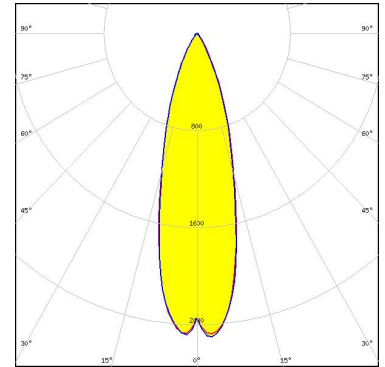
Light distribution files



#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

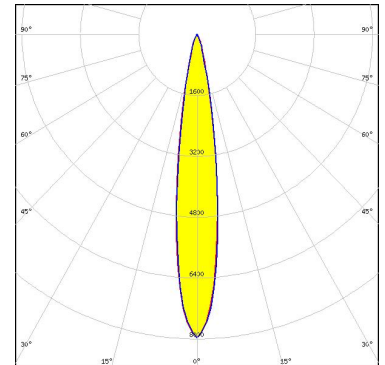
LED OSCONIQ P 3737 (3W version)  
FWHM / FWTM 29.0° / 58.0°  
Efficiency 88 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

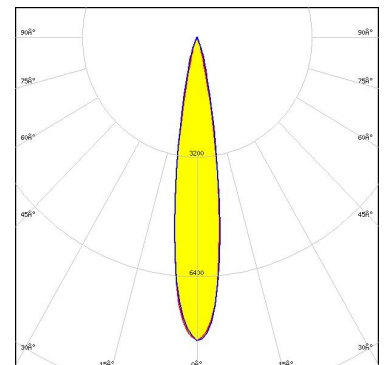
LED OSLOM Signal  
FWHM / FWTM 16.0° / 32.0°  
Efficiency 89 %  
Peak intensity 8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSTAR Projection Compact (KW.CSLNM1.TG)  
FWHM / FWTM 17.0° / 32.0°  
Efficiency 91 %  
Peak intensity 8.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

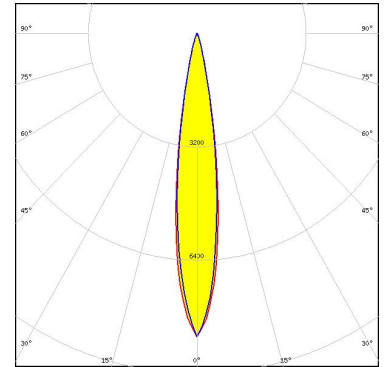
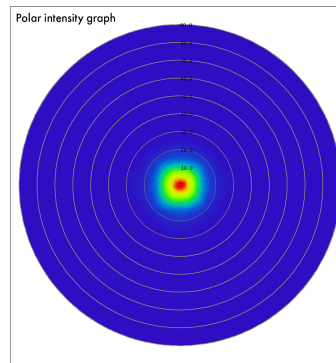


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

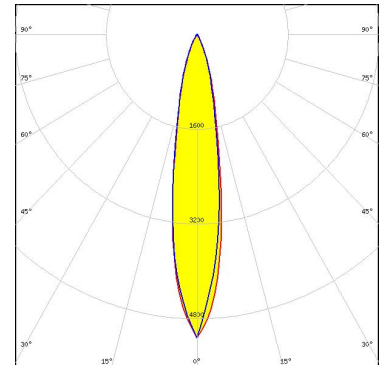
LED SFH 4716S  
FWHM / FWTM 16.0° / 29.0°  
Efficiency 86 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

**SAMSUNG**

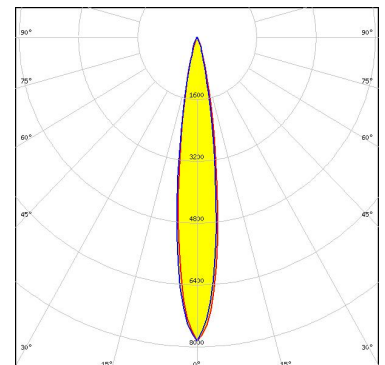
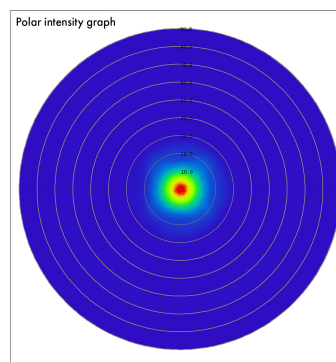
LED LM28xB Series  
FWHM / FWTM 18.0° / 43.0°  
Efficiency 88 %  
Peak intensity 5.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**STANLEY**

LED MGN1108MS  
FWHM / FWTM 15.0° / 31.0°  
Efficiency 82 %  
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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