

## LISA2-W-PIN

~35° wide beam. 6.8 mm high variant with location pin installation.

### SPECIFICATION:

Dimensions	Ø 10.0 mm
Height	6.8 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

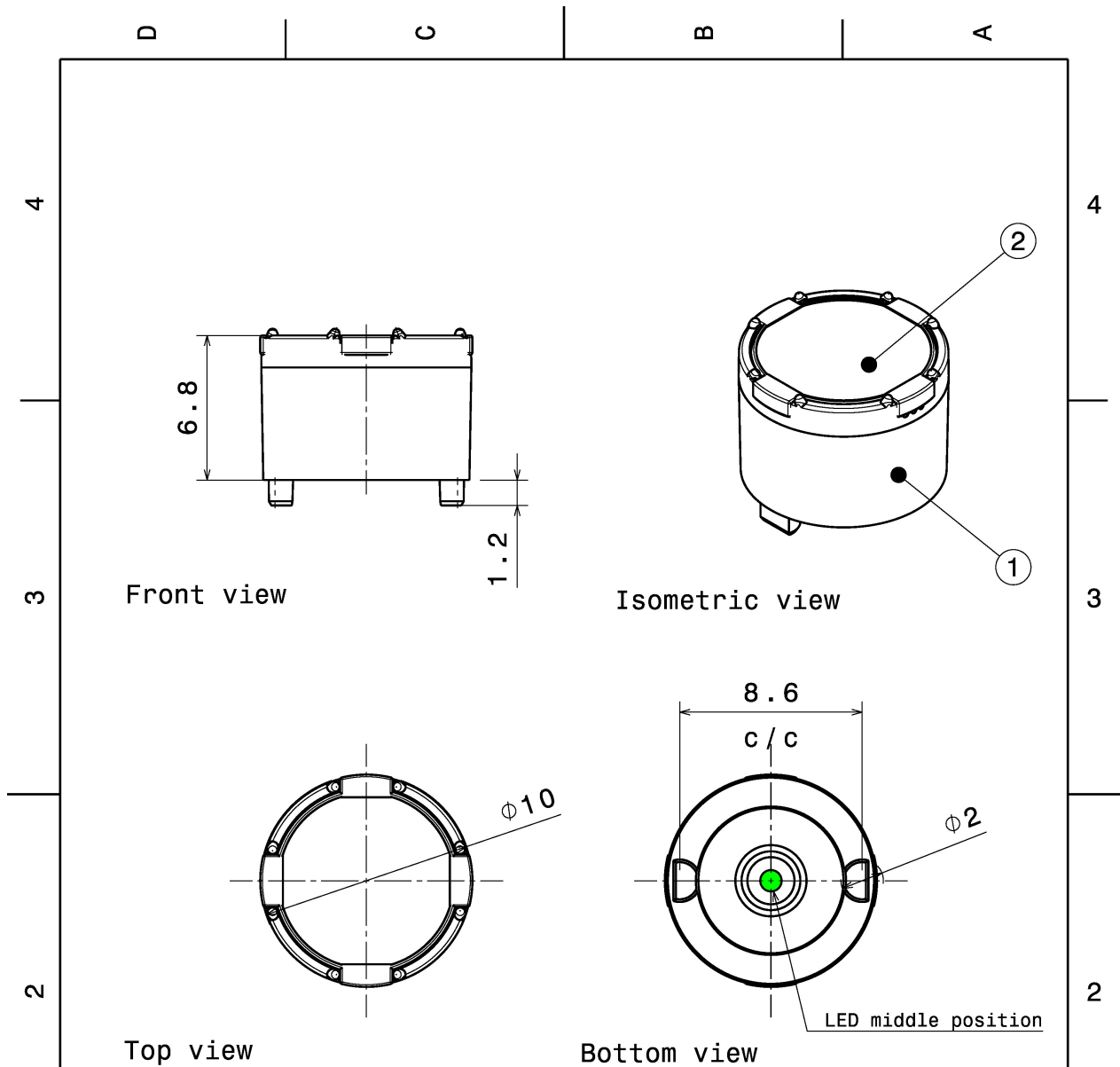


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LISA2-W	Single lens	PMMA	clear		
LISA2-HLD-PIN	Holder	PC	black		

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP13025_LISA2-W-PIN	Single lens	2000	300	100	1.4
» Box size: 310 x 230 x 60 mm					



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F10989	LISA2-HLD-PIN	PC	black
2	-	LISA2_lens	PMMA	

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
up to 30mm class M, otherwise class C  
According to DIN ISO 2768-2  
Form and position: class L

**LEDiL** Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**Lisa2-PIN-XP assembly**

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SIZE	PART NUMBER
A4	-

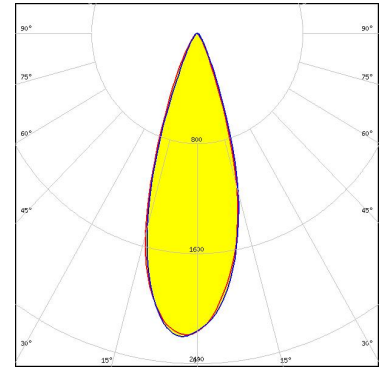
SCALE	4:1	WEIGHT	0,5 g	SHEET	1/1
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See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



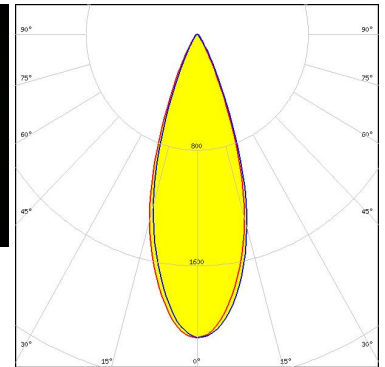
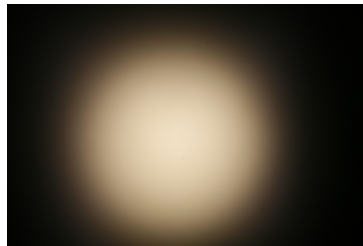
LED XT-E  
 FWHM / FWTM 32.0° / 51.0°  
 Efficiency 84 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



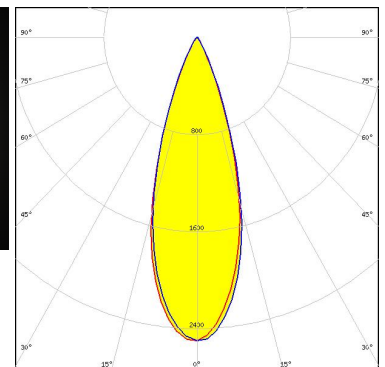
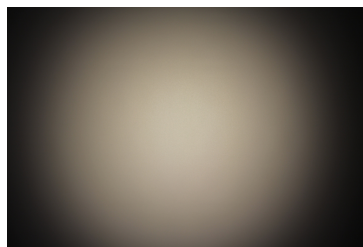
LED LUXEON T  
 FWHM / FWTM 36.0° / 58.0°  
 Efficiency 86 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON TX  
 FWHM / FWTM 34.0° / 55.0°  
 Efficiency 88 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

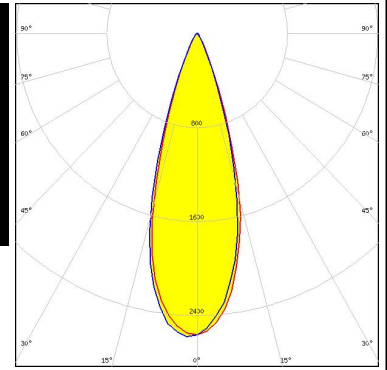


Light distribution files

### OPTICAL RESULTS (MEASURED):



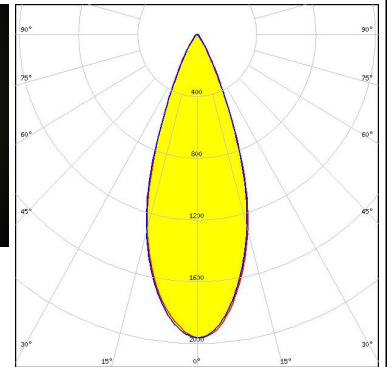
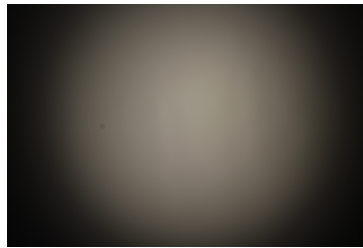
LED NCSxx19B  
 FWHM / FWTM 34.0° / 53.0°  
 Efficiency 84 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



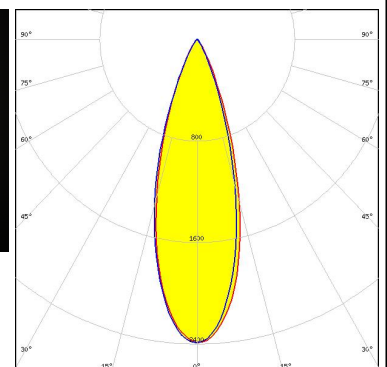
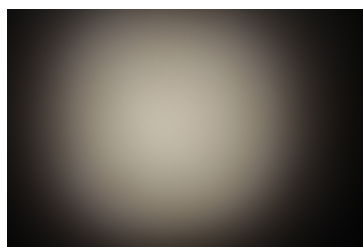
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 38.0° / 60.0°  
 Efficiency 86 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED OSLOM Square EC  
 FWHM / FWTM 33.0° / 57.0°  
 Efficiency 85 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

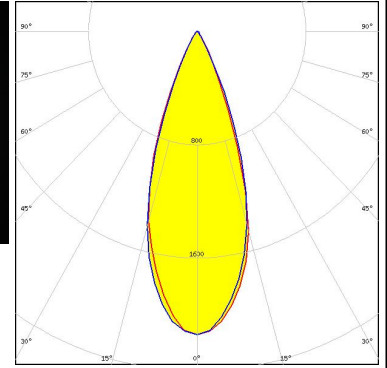
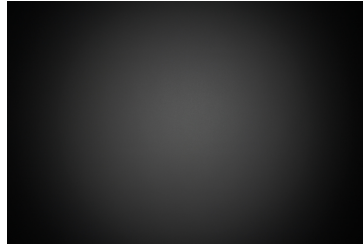


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

LED LH351Z  
FWHM / FWTM 38.0° / 60.0°  
Efficiency 88 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

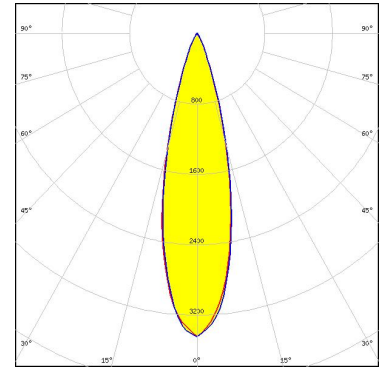


Light distribution files

### OPTICAL RESULTS (SIMULATED):



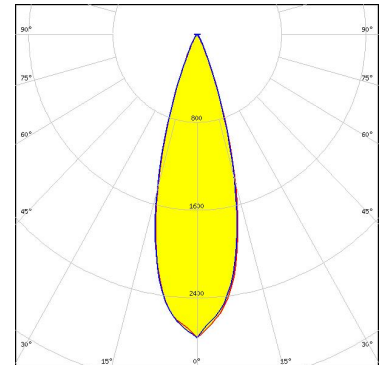
LED CSP 2323 (BXCP)  
FWHM / FWTM 26.0° / 46.0°  
Efficiency 84 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



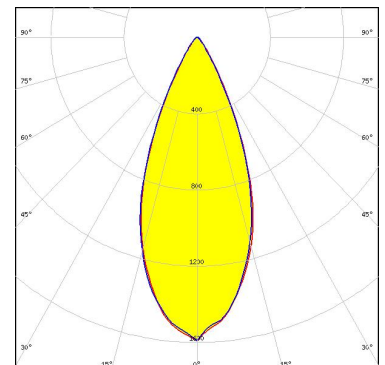
LED XD16  
FWHM / FWTM 30.0° / 49.0°  
Efficiency 84 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-G2 HE  
FWHM / FWTM 42.0° / 67.0°  
Efficiency 88 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

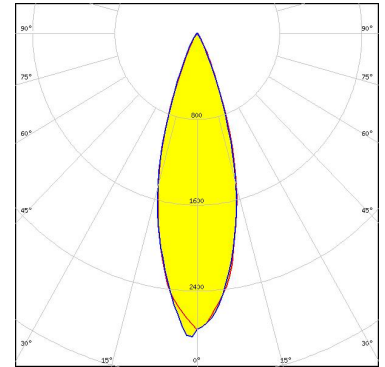


Light distribution files

### OPTICAL RESULTS (SIMULATED):



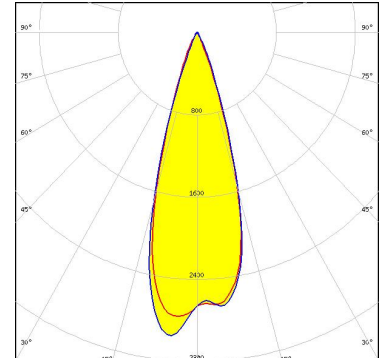
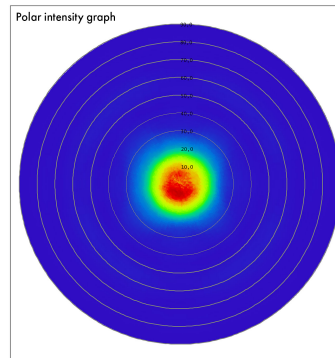
LED LUXEON H50-2  
 FWHM / FWTM 30.0° / 52.0°  
 Efficiency 89 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



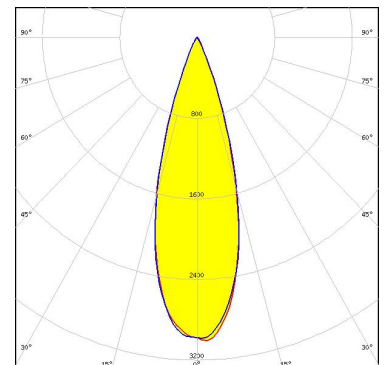
LED SST-10-IR-B90  
 FWHM / FWTM 31.0° / 48.0°  
 Efficiency 89 %  
 LEDs/each optic 1  
 Light colour/type IR  
 Required components:



Light distribution files

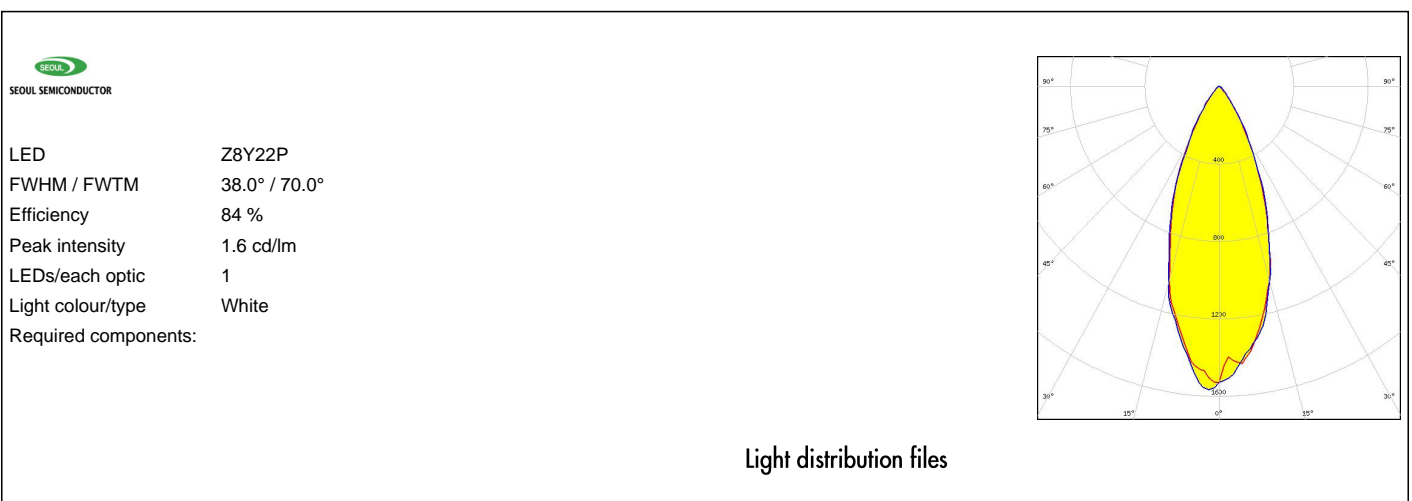
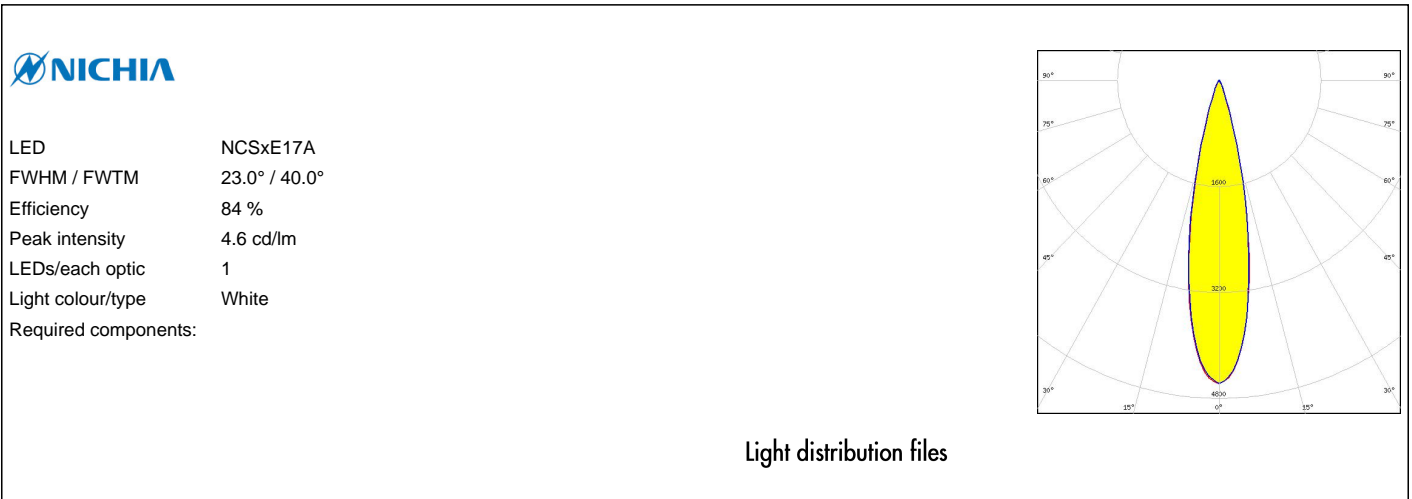


LED SST-20  
 FWHM / FWTM 32.0° / 50.0°  
 Efficiency 90 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### OPTICAL RESULTS (SIMULATED):





### 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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