



## LISA2-WW-CLIP

~45° wide beam optimized for CREE XP-E. 6.8 mm high variant with clip installation.

### SPECIFICATION:

Dimensions	Ø 9.9
Height	6.8 mm
Fastening	glue, clips
ROHS compliant	yes ⓘ

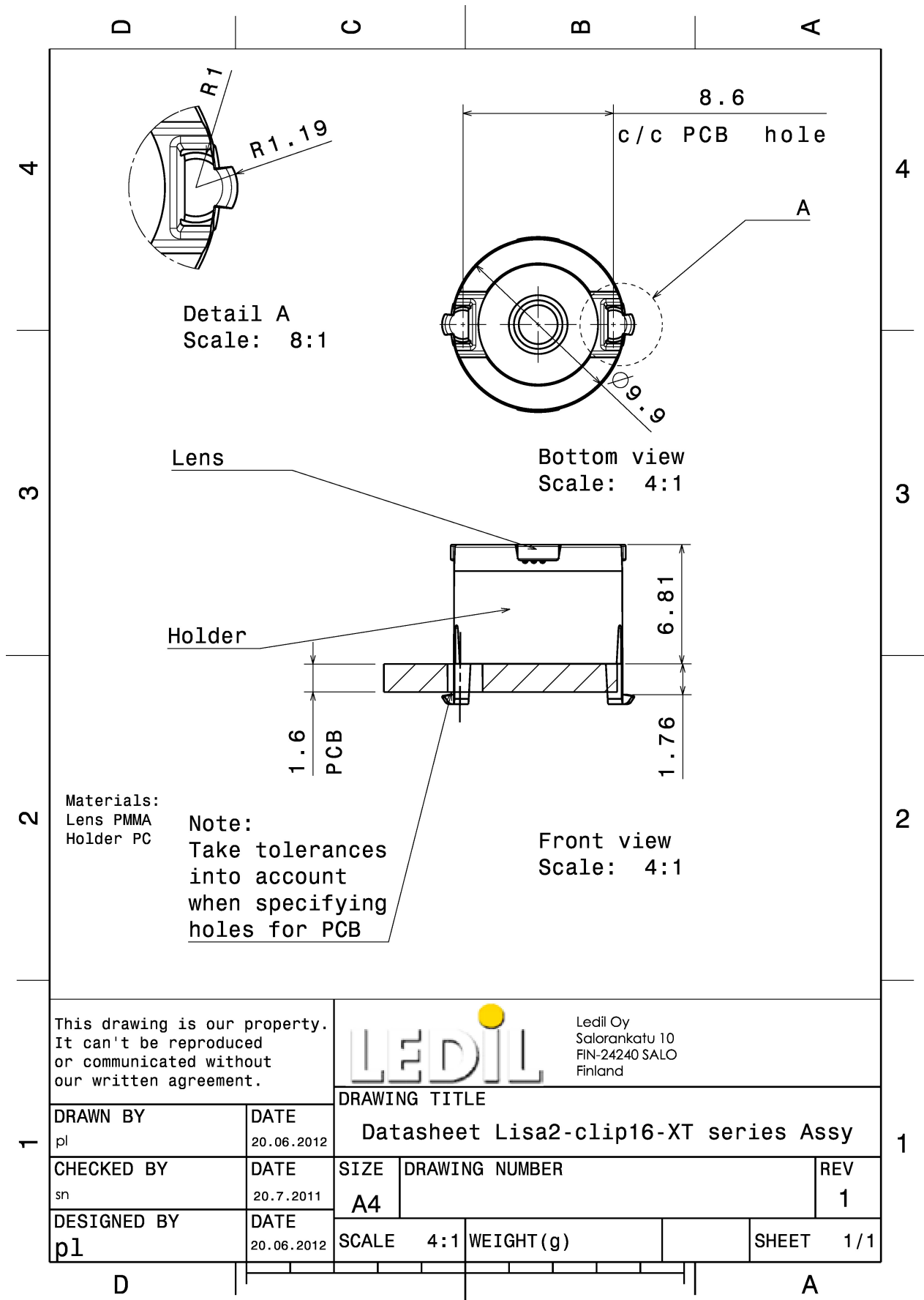


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LISA2-HLD-CLIP16-XP	Holder	PC	black		
LISA2-WW	Single lens	PMMA	clear		

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP13029_LISA2-WW-CLIP	Single lens	2000	300	100	1.4
» Box size:					



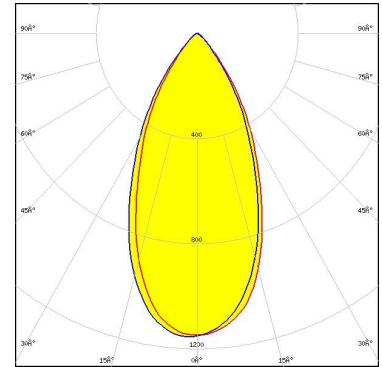
This drawing is our property. It can't be reproduced or communicated without our written agreement.		<b>LEDiL</b>		Ledil Oy Salorankatu 10 FIN-24240 SALO Finland	
DRAWN BY pl		DATE 20.06.2012		DRAWING TITLE Datasheet Lisa2-clip16-XT series Assy	
CHECKED BY sn		DATE 20.7.2011		SIZE A4	DRAWING NUMBER
DESIGNED BY pl		DATE 20.06.2012		SCALE 4:1	WEIGHT (g)
				SHEET	1/1

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

#### OPTICAL RESULTS (MEASURED):



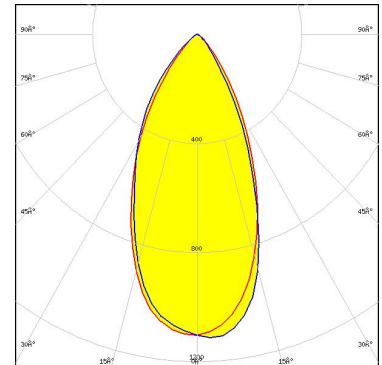
**LED** XP-G2  
**FWHM / FWTM** 47.0° / 83.0°  
**Efficiency** 88 %  
**Peak intensity** 1.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



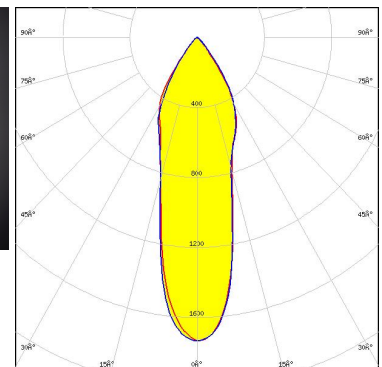
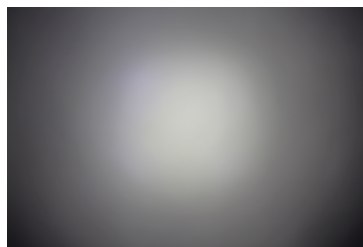
**LED** XT-E  
**FWHM / FWTM** 47.0° / 82.0°  
**Efficiency** 84 %  
**Peak intensity** 1.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** LUXEON CZ  
**FWHM / FWTM** 29.0° / 76.0°  
**Efficiency** 86 %  
**Peak intensity** 1.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

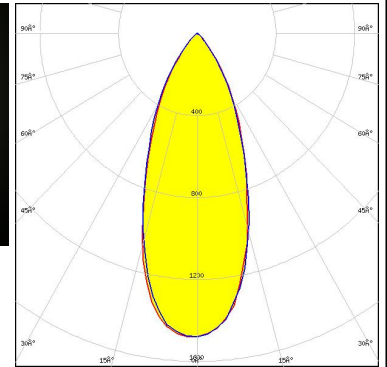


Light distribution files

#### OPTICAL RESULTS (MEASURED):



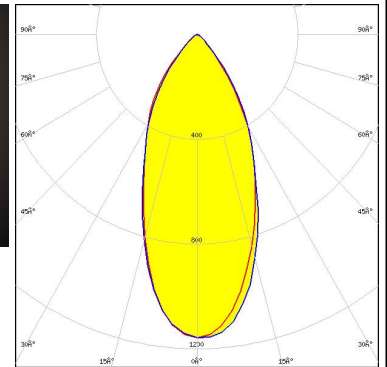
LED NCSxx19B  
 FWHM / FWTM 41.0° / 78.0°  
 Efficiency 86 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



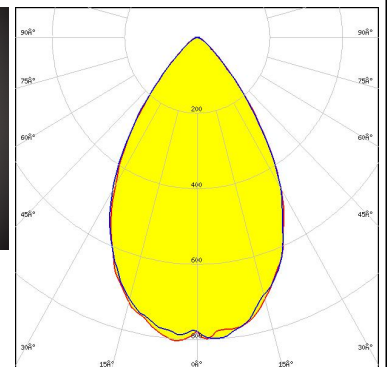
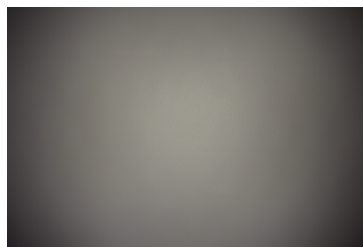
LED OSLOM Square EC  
 FWHM / FWTM 46.0° / 86.0°  
 Efficiency 84 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LH351B  
 FWHM / FWTM 67.0° / 96.0°  
 Efficiency 88 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

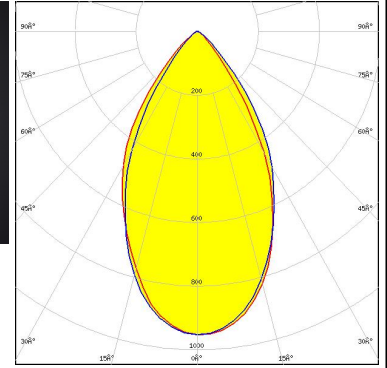
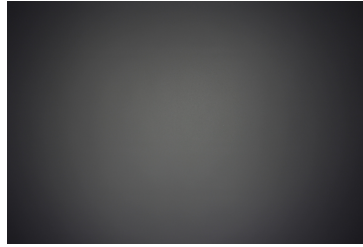


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

LED LH351Z  
FWHM / FWTM 60.0° / 91.0°  
Efficiency 90 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

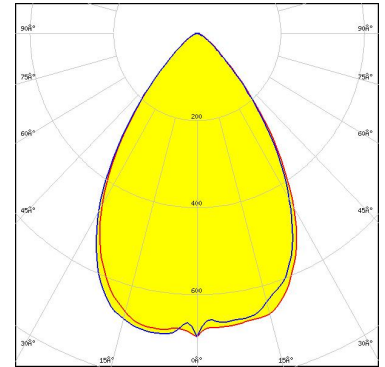


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED XP-G2 HE  
FWHM / FWTM 69.0° / 100.0°  
Efficiency 88 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON IR Compact  
FWHM / FWTM 51.0° / 83.0°  
Efficiency 84 %  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



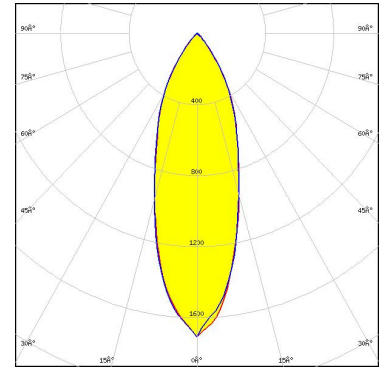
LED LUXEON Q  
FWHM / FWTM 54.0° / 84.0°  
Efficiency 84 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

#### OPTICAL RESULTS (SIMULATED):



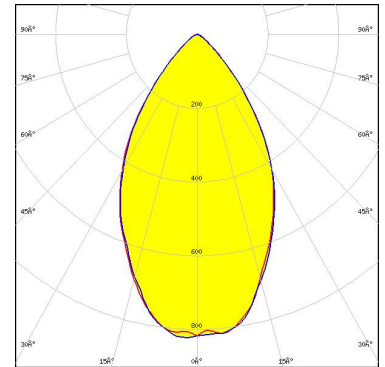
LED NCSxE17A  
 FWHM / FWTM 34.0° / 74.0°  
 Efficiency 85 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



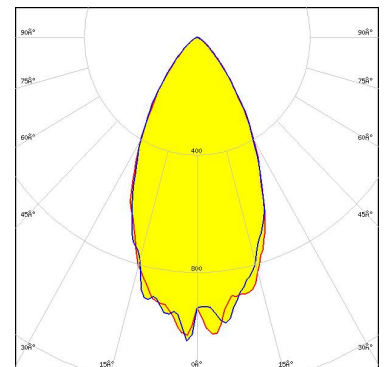
LED NVSW519A  
 FWHM / FWTM 62.0° / 96.0°  
 Efficiency 85 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Z8Y22P  
 FWHM / FWTM 50.0° / 88.0°  
 Efficiency 86 %  
 Peak intensity 1.1 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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