

## LISA2-O-CLIP

~45° x 20° oval beam optimized for CREE XP-E.  
6.8 mm high variant with clip installation.

### TECHNICAL SPECIFICATIONS:

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

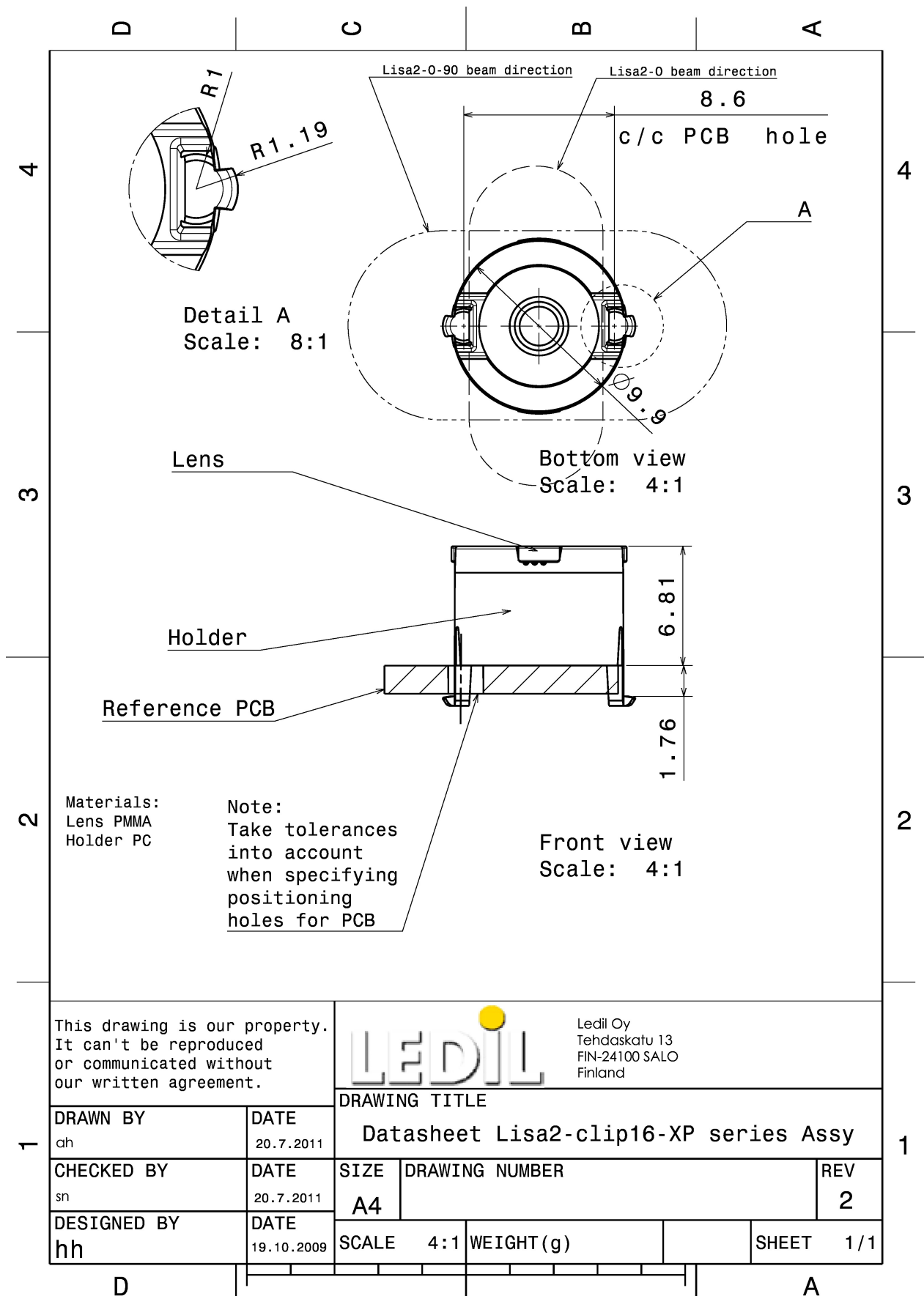
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LISA2-O-XP	Single lens	PMMA	clear	
LISA2-HLD-CLIP16-XP	Holder	PC	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP11121_LISA2-O-CLIP	Single lens	2000	300	100	1.4
» Box size:					

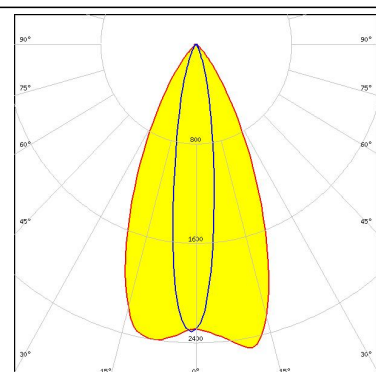




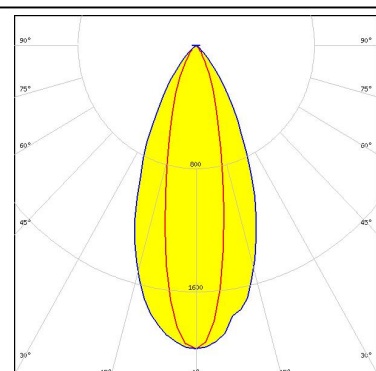
#### PHOTOMETRIC DATA (MEASURED):



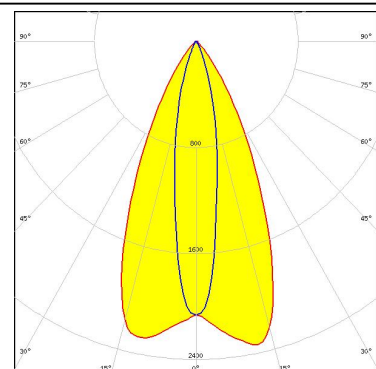
LED XP-E  
FWHM 18.0 + 48.0°  
Efficiency 83 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G  
FWHM 46.0 + 24.0°  
Efficiency 86 %  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON Z ES  
FWHM 50.0 + 19.0°  
Efficiency 79 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED SFH 4170S  
FWHM 50.0 + 12.0°  
Efficiency %  
LEDs/each optic 1  
Light colour IR  
Required components:

## PHOTOMETRIC DATA (MEASURED):

### **OSRAM** Opto Semiconductors

LED SFH 4180S  
FWHM 11.0 + 51.0°  
Efficiency %  
LEDs/each optic 1  
Light colour IR  
Required components:

### **SHARP**

LED Double Dome (GM2BB)  
FWHM 10.0 + 32.0°  
Efficiency %  
LEDs/each optic 1  
Light colour White  
Required components:

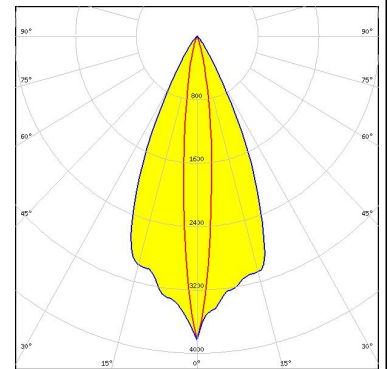
### PHOTOMETRIC DATA (SIMULATED):



LED XQ-E HD  
FWHM 13.0 + 40.0°  
Efficiency 86 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XQ-E HI  
FWHM 11.0 + 46.0°  
Efficiency 83 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### 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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