

## LISA2-WW-CLIP

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

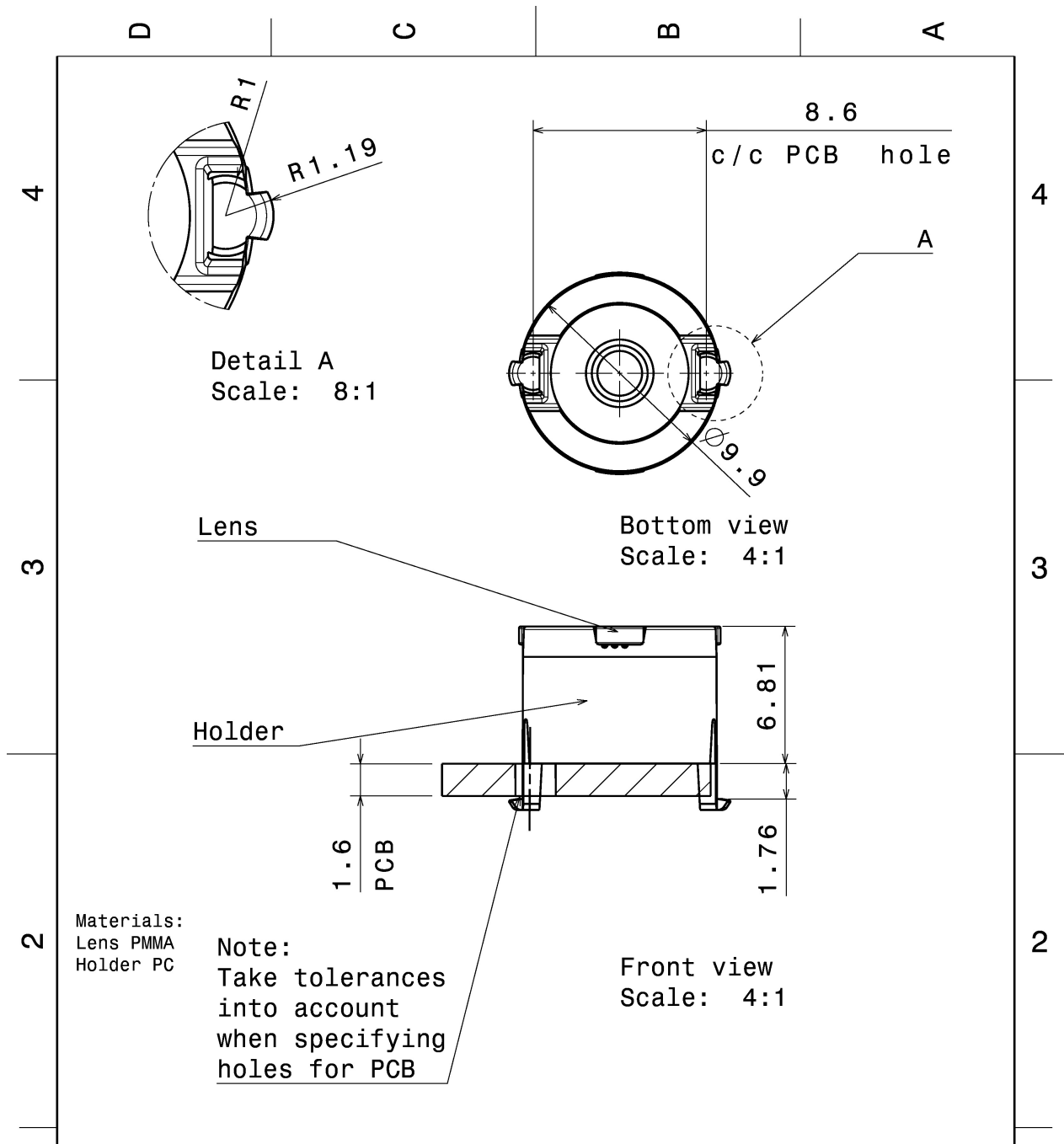
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	6.8 mm
Fastening	glue, clips
Colour	black
Box size	
Box weight	1.4 kg
Quantity in Box	2000 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

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

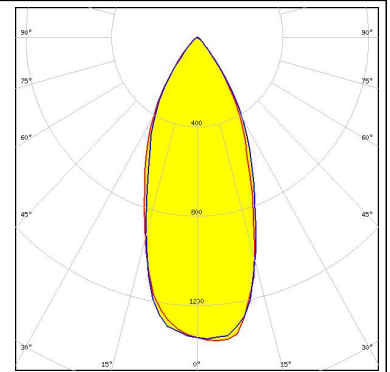
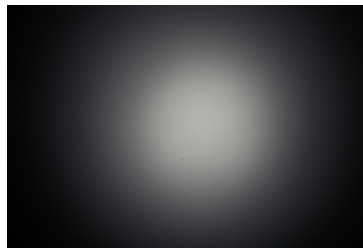


This drawing is our property. It can't be reproduced or communicated without our written agreement.		<b>LEDiL</b>		Ledil Oy Salorankatu 10 FIN-24240 SALO Finland	
<b>DRAWING TITLE</b>					
DRAWN BY pl		DATE 20.06.2012		Datasheet Lisa2-clip16-XT series Assy	
CHECKED BY sn	DATE 20.7.2011	SIZE A4	DRAWING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

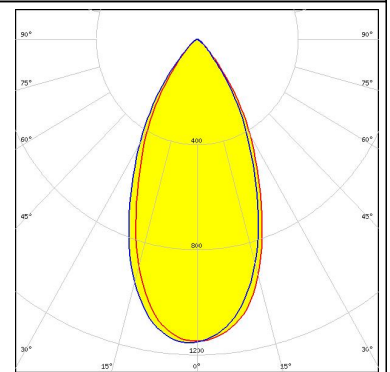
#### PHOTOMETRIC DATA (MEASURED):



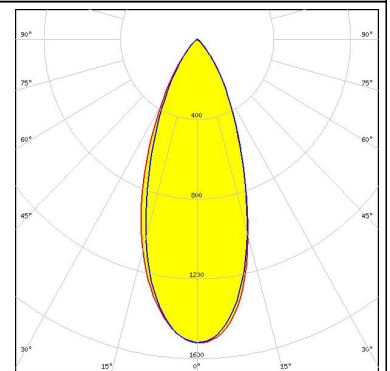
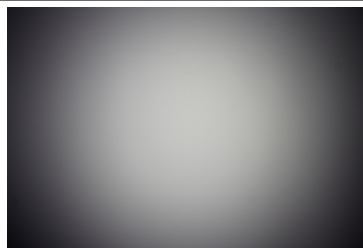
LED XP-E2  
 FWHM 43.0°  
 Efficiency 88 %  
 Peak intensity 1.350 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



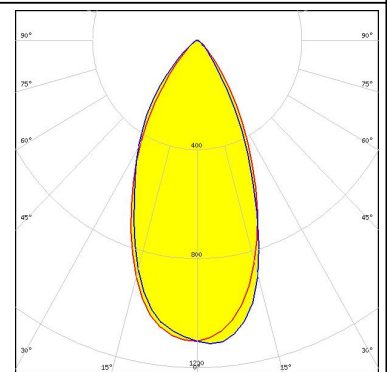
LED XP-G2  
 FWHM 47.0°  
 Efficiency 88 %  
 Peak intensity 1.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G3  
 FWHM 42.0°  
 Efficiency 84 %  
 Peak intensity 1.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



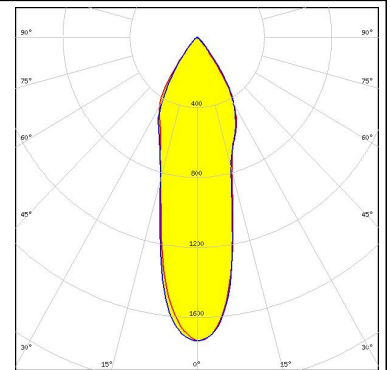
LED XT-E  
 FWHM 47.0°  
 Efficiency 84 %  
 Peak intensity 1.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



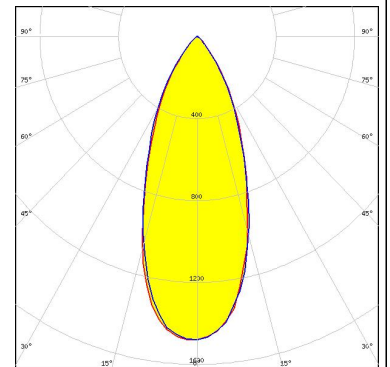
#### PHOTOMETRIC DATA (MEASURED):



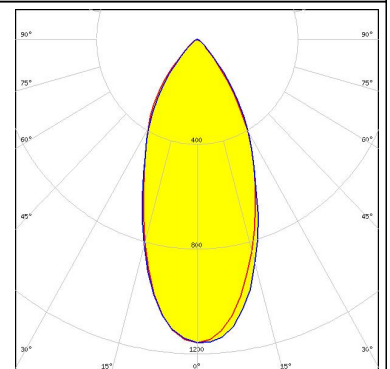
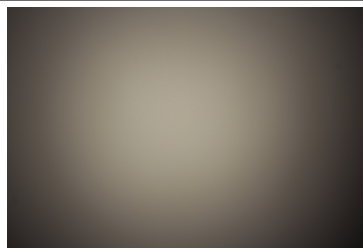
LED LUXEON CZ  
 FWHM 29.0°  
 Efficiency 86 %  
 Peak intensity 1.734 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



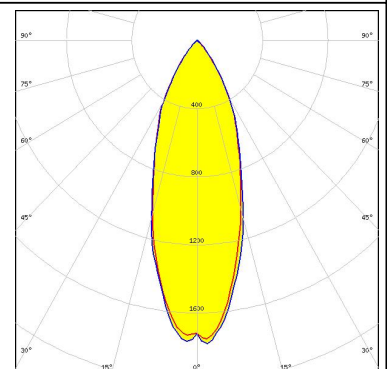
LED NCSxx19B  
 FWHM 41.0°  
 Efficiency 86 %  
 Peak intensity 1.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSOLON Square EC  
 FWHM 46.0°  
 Efficiency 84 %  
 Peak intensity 1.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED SFH 4715S  
 FWHM 36.0°  
 Efficiency 0 %  
 Peak intensity 0.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

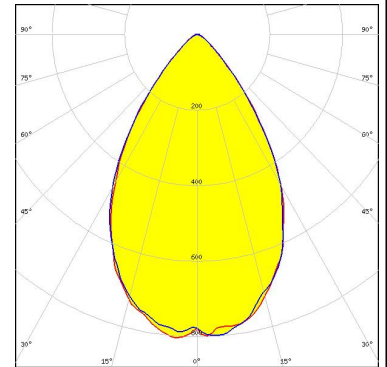
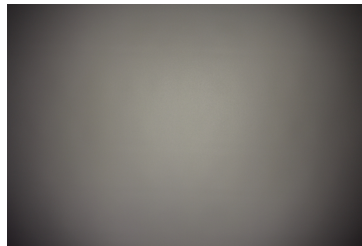
#### OSRAM

Opto Semiconductors

LED SFH 4725S  
FWHM 38.0°  
Efficiency %  
Peak intensity cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

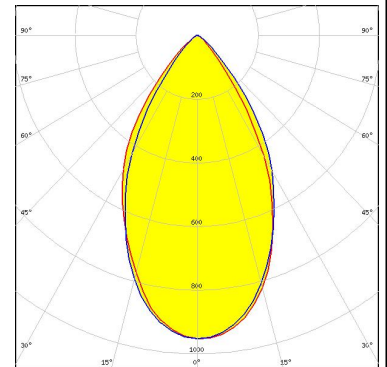
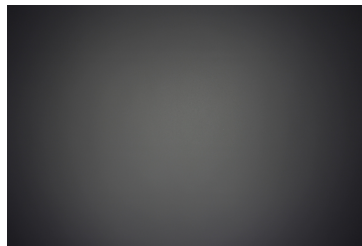
#### SAMSUNG

LED LH351B  
FWHM 67.0°  
Efficiency 88 %  
Peak intensity 0.890 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

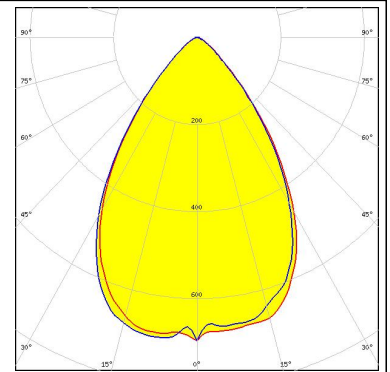
LED LH351Z  
FWHM 60.0°  
Efficiency 90 %  
Peak intensity 0.950 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (SIMULATED):



LED XP-G2 HE  
FWHM 69.0°  
Efficiency 88 %  
Peak intensity 0.702 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON IR Compact  
FWHM 51.0°  
Efficiency 84 %  
Peak intensity 0.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON IR Domed 150  
FWHM 60.0°  
Efficiency 90 %  
Peak intensity 0.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON Q  
FWHM 54.0°  
Efficiency 84 %  
Peak intensity 1.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

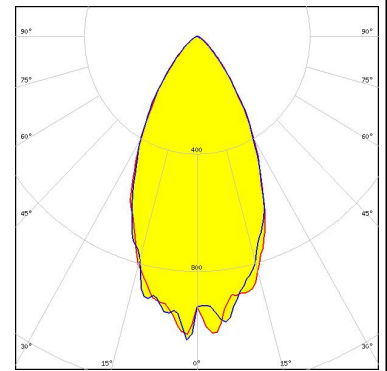
### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM Opto Semiconductors

LED SFH 4770S  
FWHM 35.0°  
Efficiency 91 %  
Peak intensity cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### SEKUL SEOUL SEMICONDUCTOR

LED Z8Y22P  
FWHM 50.0°  
Efficiency 86 %  
Peak intensity 1.050 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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