

LISA2-M-CLIP

~20° medium 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 ⓘ

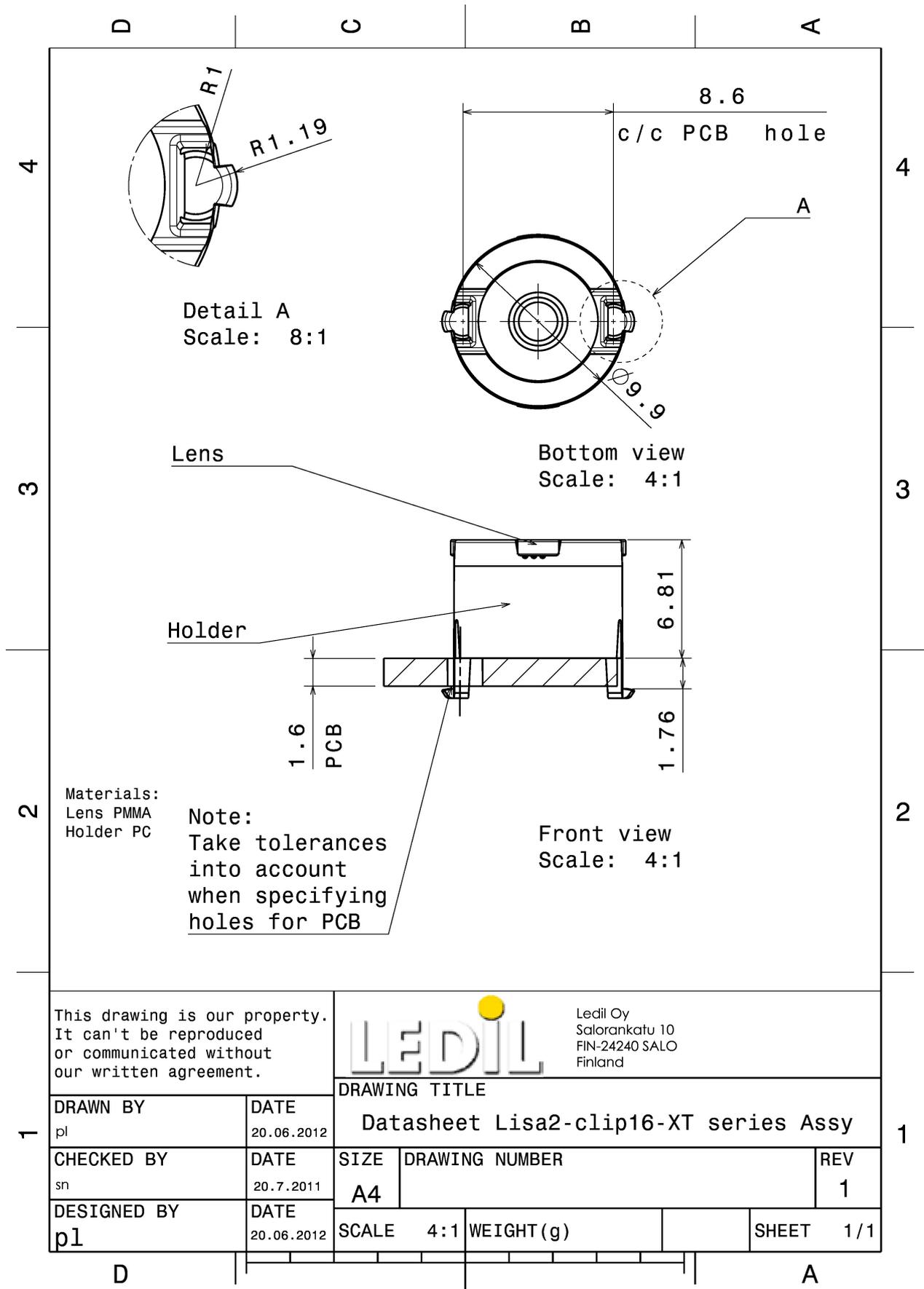


MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FP13030_LISA2-M-CLIP » Box size:	Single lens	2000		100	1.4



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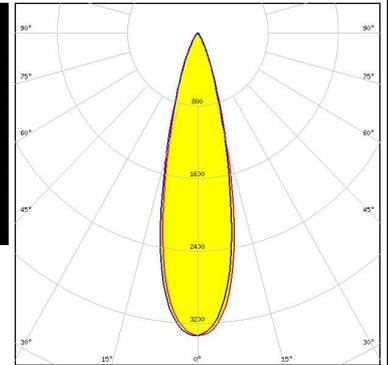
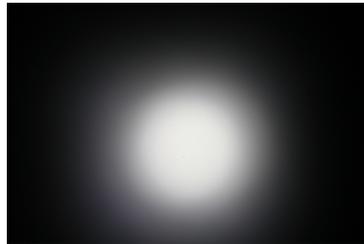
DRAWN BY pl		DATE 20.06.2012	DRAWING TITLE Datasheet Lisa2-clip16-XT series Assy		
CHECKED BY sn	DATE 20.7.2011	SIZE A4	DRAWING NUMBER		REV 1
DESIGNED BY pl	DATE 20.06.2012	SCALE 4:1	WEIGHT (g)	SHEET 1/1	

See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

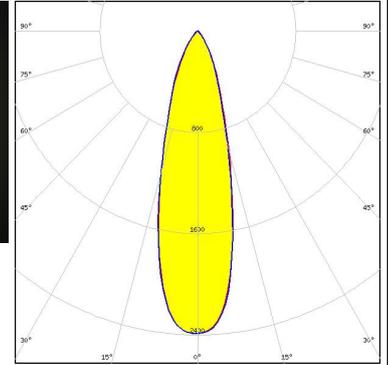
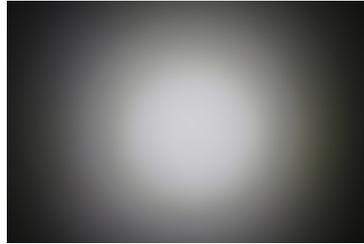
CREE LED

LED XP-G2
 FWHM / FWTM 25.0° / 47.0°
 Efficiency 89 %
 Peak intensity 3.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



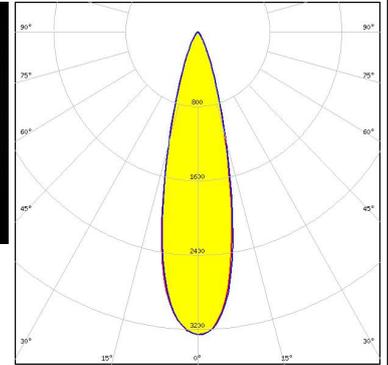
CREE LED

LED XP-G3
 FWHM / FWTM 29.0° / 60.0°
 Efficiency 85 %
 Peak intensity 2.4 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



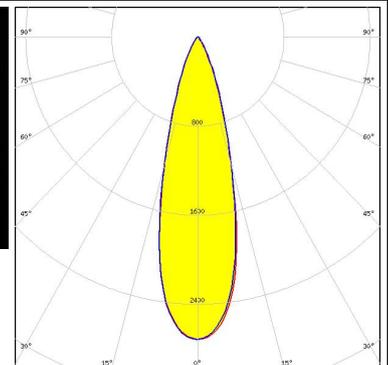
CREE LED

LED XT-E
 FWHM / FWTM 26.0° / 49.0°
 Efficiency 89 %
 Peak intensity 3.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:

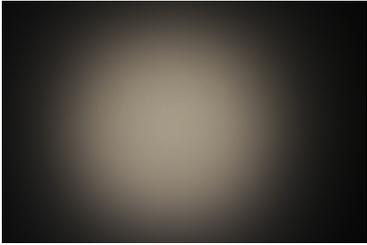
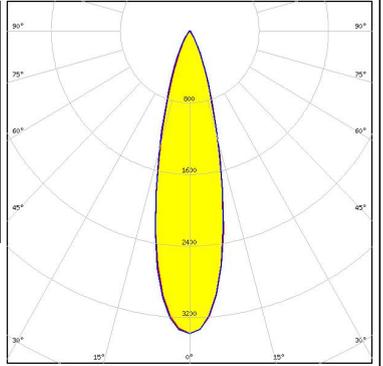
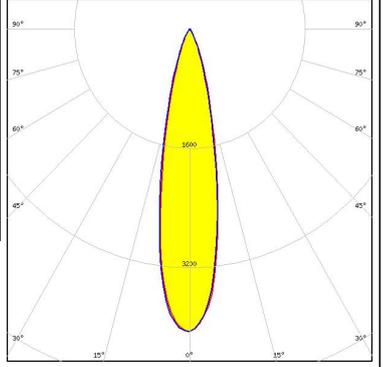
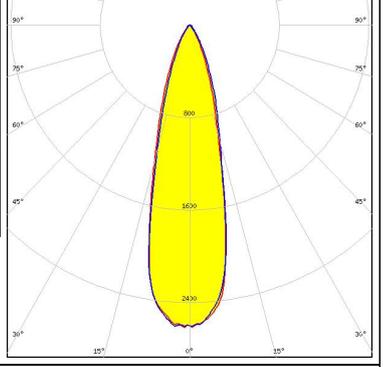
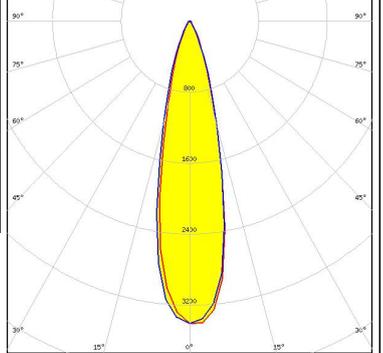


LUMILEDS

LED LUXEON T
 FWHM / FWTM 28.0° / 54.0°
 Efficiency 87 %
 Peak intensity 2.7 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON TX</p> <p>FWHM / FWTM 26.0° / 51.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 3.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NCSxx19B</p> <p>FWHM / FWTM 23.0° / 46.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 4.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C</p> <p>FWHM / FWTM 27.0° / 56.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 2.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC</p> <p>FWHM / FWTM 26.0° / 49.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 3.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

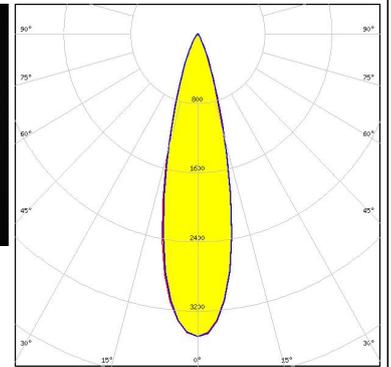
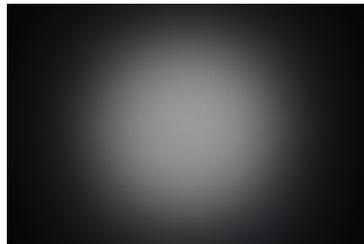
LED SFH 4715S
FWHM / FWTM 22.0° / 48.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

OSRAM Opto Semiconductors

LED SFH 4725S
FWHM / FWTM 23.0° / 46.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

SAMSUNG

LED LH351Z
FWHM / FWTM 26.0° / 50.0°
Efficiency 87 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



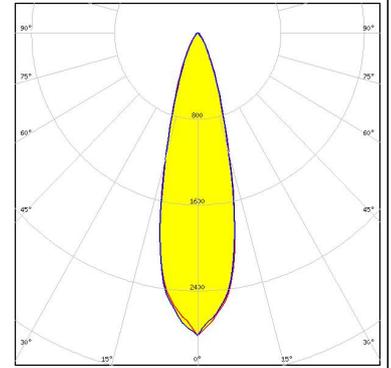
PHOTOMETRIC DATA (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON H50-2</p> <p>FWHM / FWTM: 24.0° / 52.0°</p> <p>Efficiency: 89 %</p> <p>Peak intensity: 3.1 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON IR Compact</p> <p>FWHM / FWTM: 14.0° / 29.0°</p> <p>Efficiency: 82 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSOLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM: 21.0° / 44.0°</p> <p>Efficiency: 91 %</p> <p>Peak intensity: 4.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: SFH 4770S</p> <p>FWHM / FWTM: 17.0° / 39.0°</p> <p>Efficiency: 91 %</p> <p>Peak intensity: 5.9 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

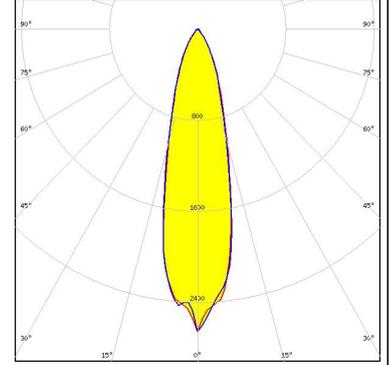
SAMSUNG

LED LH351B
FWHM / FWTM 27.0° / 54.0°
Efficiency 89 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P
FWHM / FWTM 25.0° / 56.0°
Efficiency 84 %
Peak intensity 2.7 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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