

LISA2-M-CLIP

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

SPECIFICATION:

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

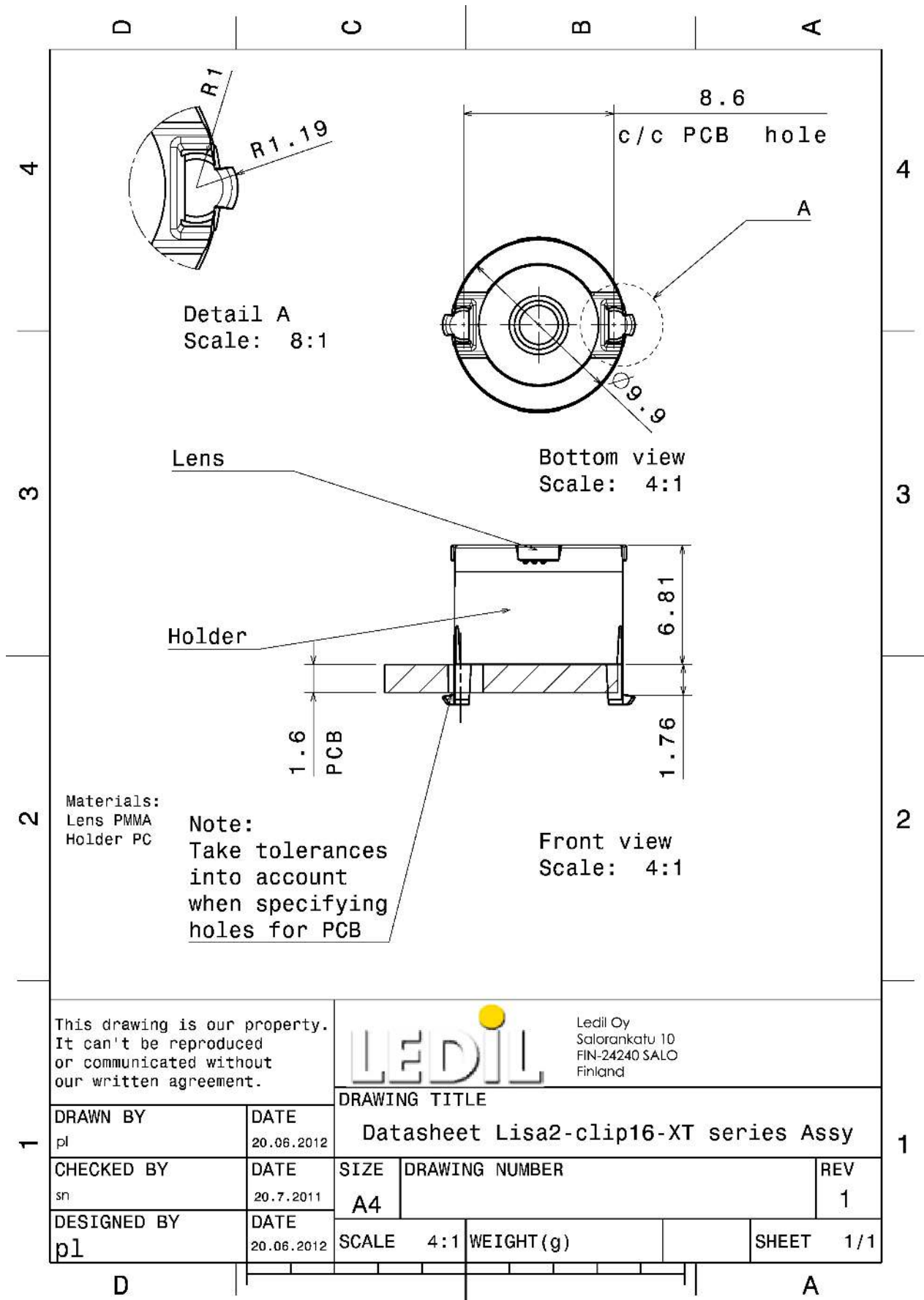


MATERIALS:

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



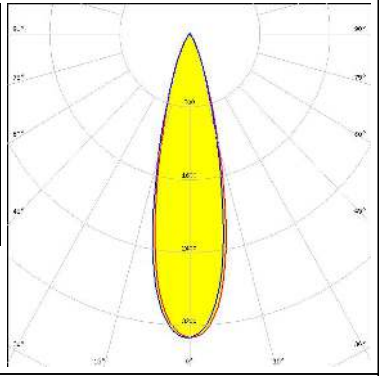


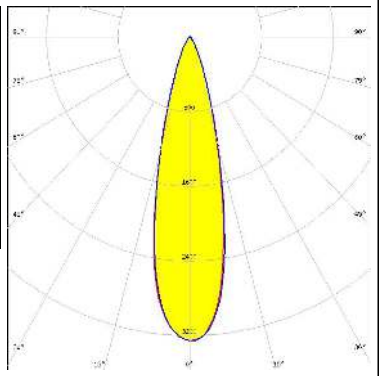

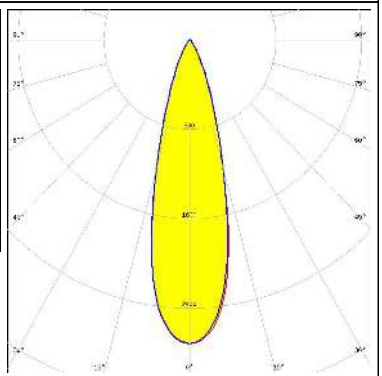

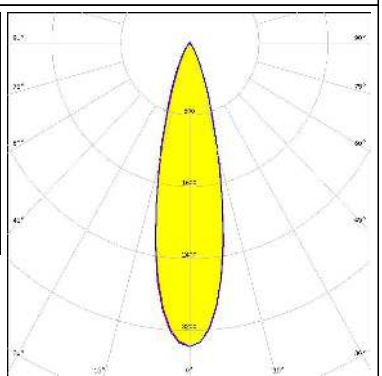
ORDERING INFORMATION:

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


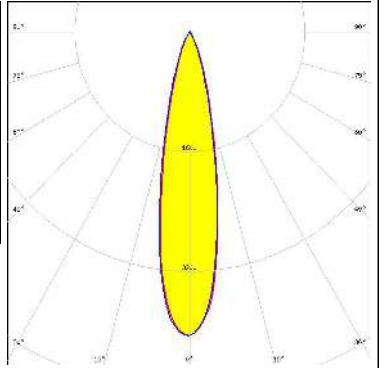

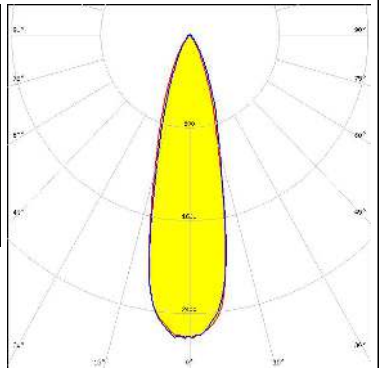
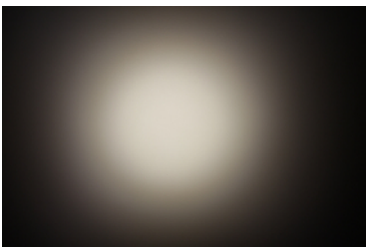
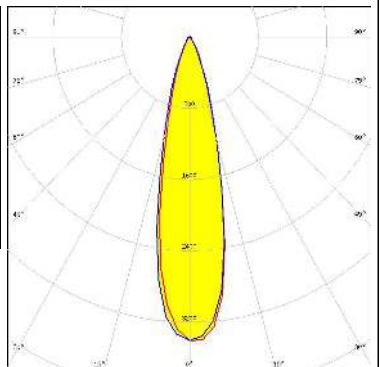
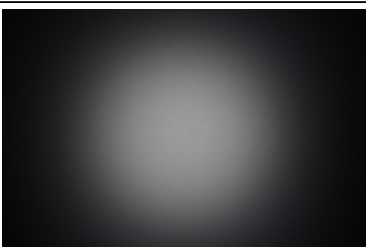
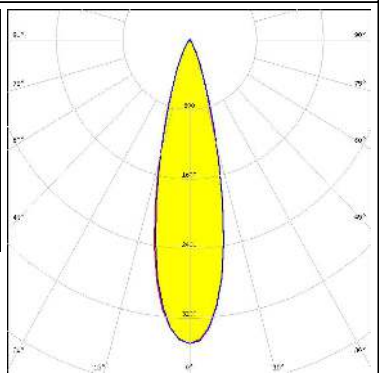


See also our general installation guide: www.ledil.com/installation_guide

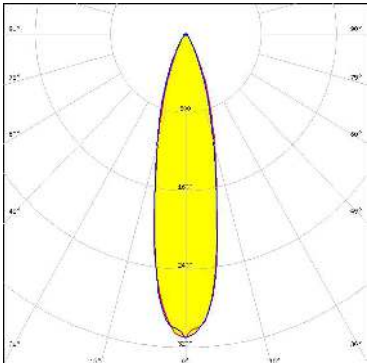

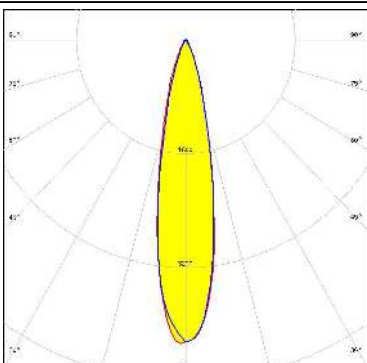
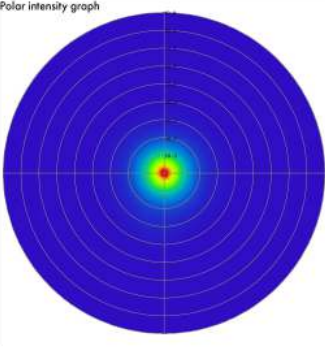
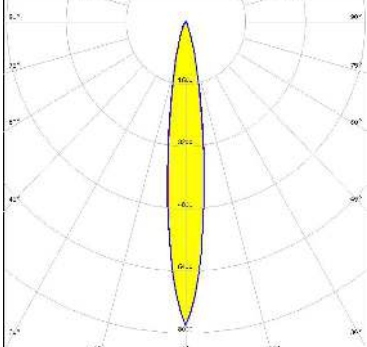
OPTICAL RESULTS (MEASURED):

<p>CREE  LED</p> <p>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:</p>		
<p>CREE  LED</p> <p>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:</p>		
<p>LUMILEDS</p> <p>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:</p>		
<p>LUMILEDS</p> <p>LED: LUXEON TX FWHM / FWTM: 26.0° / 51.0° Efficiency: 88 % Peak intensity: 3.4 cd/m LEDs/each optic: 1 Light colour: White Required components:</p>		

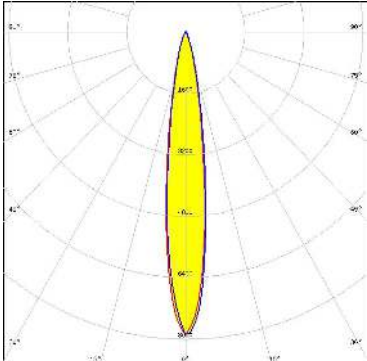
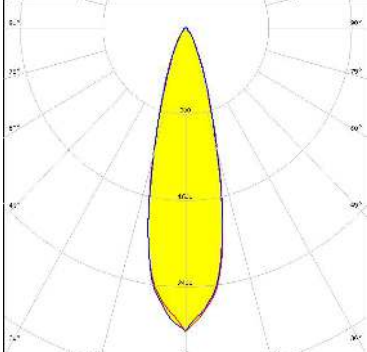
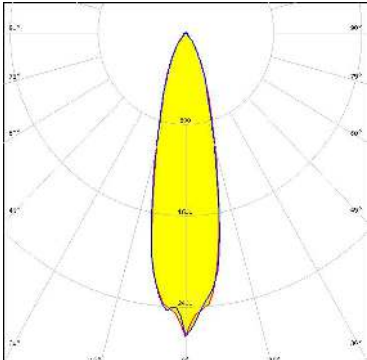
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NCSxx19B FWHM / FWTM 23.0° / 46.0° Efficiency 85 % Peak intensity 4.1 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 27.0° / 56.0° Efficiency 86 % Peak intensity 2.6 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLON Square EC FWHM / FWTM 26.0° / 49.0° Efficiency 85 % Peak intensity 3.4 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>SAMSUNG</p> <p>LED LH351Z FWHM / FWTM 26.0° / 50.0° Efficiency 87 % Peak intensity 3.5 cd/m LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON H50-2 FWHM / FWTM: 24.0° / 52.0° Efficiency: 89 % Peak intensity: 3.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON IR Compact FWHM / FWTM: 14.0° / 29.0° Efficiency: 82 % LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED: OSOLON Square CSSRM2/CSSRM3 FWHM / FWTM: 21.0° / 44.0° Efficiency: 91 % Peak intensity: 4.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED: SFH 4770S FWHM / FWTM: 14.0° / 33.0° Efficiency: 90 % LEDs/each optic: 1 Light colour: IR Required components:</p>	<div style="display: flex; justify-content: space-around;"> <div data-bbox="774 1608 1109 1966"> <p>Polar intensity graph</p>  </div> <div data-bbox="1129 1608 1497 1966">  </div> </div>

OPTICAL RESULTS (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED Synios P2720 1/2 mm</p> <p>FWHM / FWTM 15.0° / 33.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 7.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SAMSUNG</p> <p>LED LH351B</p> <p>FWHM / FWTM 27.0° / 54.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 2.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SEMI SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P</p> <p>FWHM / FWTM 25.0° / 56.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 2.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

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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