

## LISA2-O-PIN

~45° x 20° oval beam. 7.13 mm high variant with location pin installation.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 10.0 mm
Height	6.8 mm
Fastening	pin
ROHS compliant	yes ⓘ

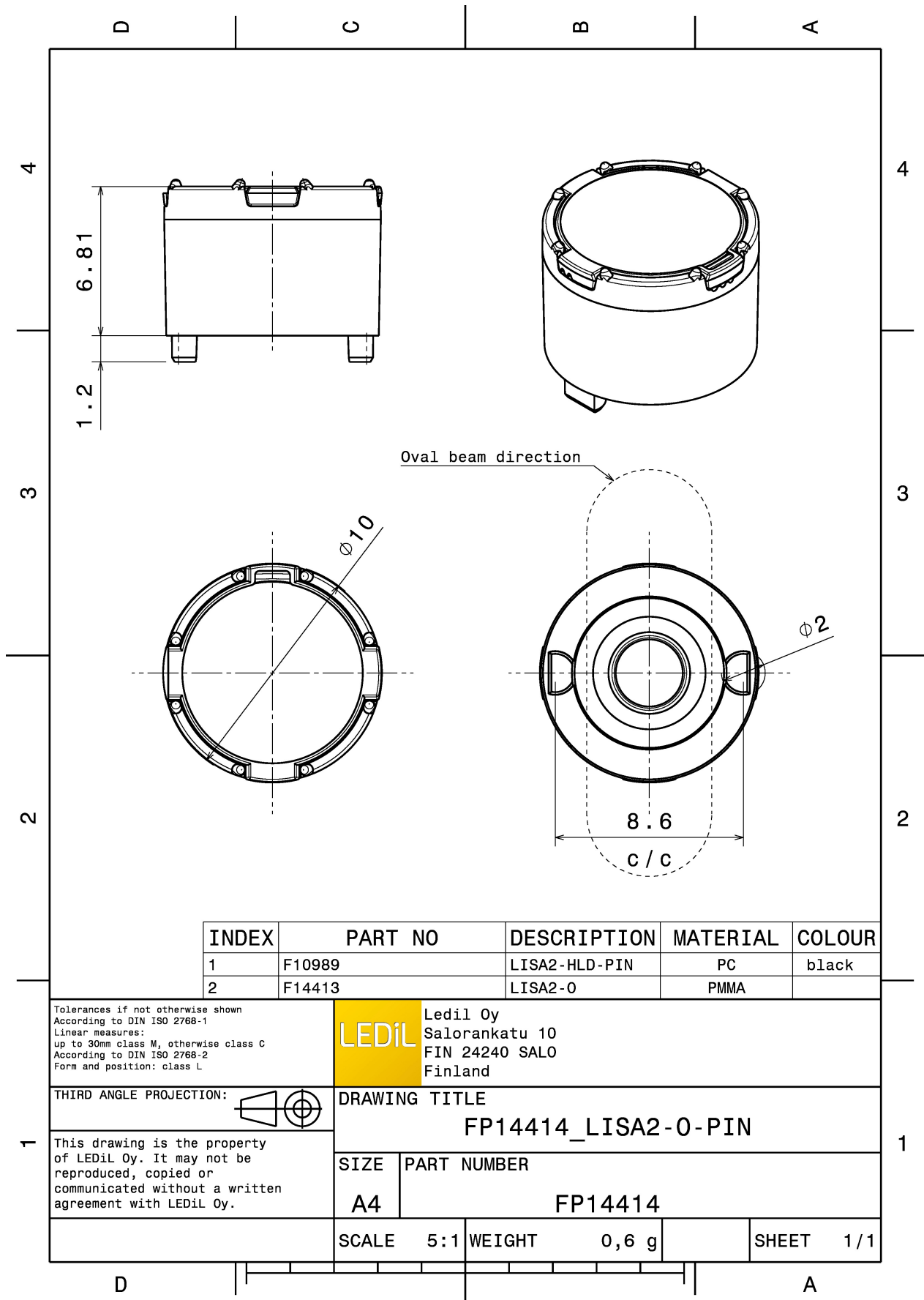


### MATERIAL SPECIFICATIONS:

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

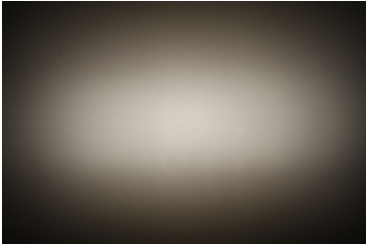
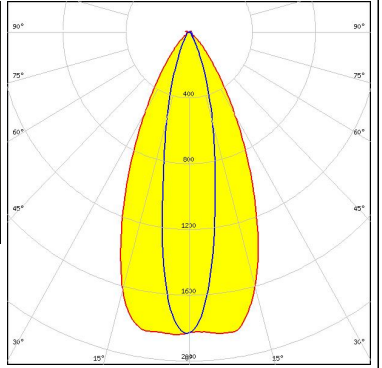

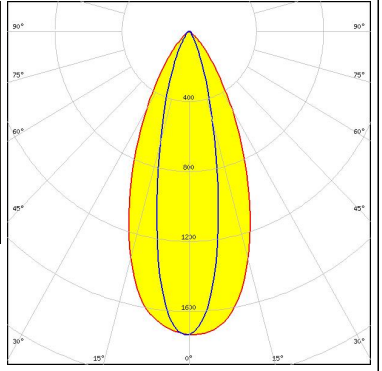
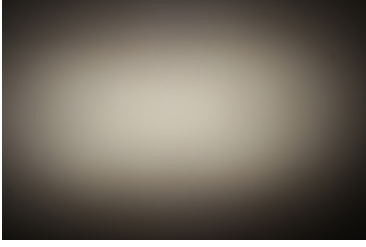
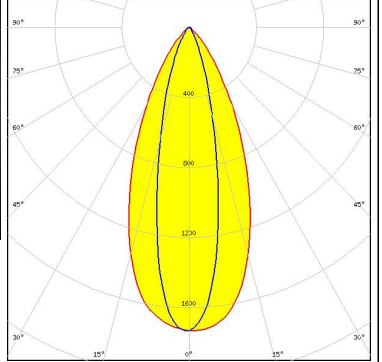
### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP14414_LISA2-O-PIN	Single lens	2000		100	1.4
» Box size:					



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

#### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED                    NCSxx19B</p> <p>FWHM / FWTM      49.0 + 21.0° / 80.0 + 48.0°</p> <p>Efficiency            77 %</p> <p>Peak intensity      1.8 cd/lm</p> <p>LEDs/each optic    1</p> <p>Light colour        White</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED                    OSLOM Square EC</p> <p>FWHM / FWTM      47.0 + 25.0° / 82.0 + 52.0°</p> <p>Efficiency            75 %</p> <p>Peak intensity      1.7 cd/lm</p> <p>LEDs/each optic    1</p> <p>Light colour        White</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED                    OSLOM Square EC</p> <p>FWHM / FWTM      47.0 + 25.0° / 82.0 + 52.0°</p> <p>Efficiency            75 %</p> <p>Peak intensity      1.7 cd/lm</p> <p>LEDs/each optic    1</p> <p>Light colour        White</p> <p>Required components:</p>		

#### PHOTOMETRIC DATA (SIMULATED):

<p><b>CREE</b> LED</p> <p>LED: XQ-E HI            FWHM / FWTM: 43.0 + 13.0° / 69.0 + 30.0°            Efficiency: 86 %            Peak intensity: 3.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON IR 2720            FWHM / FWTM: 17.0 + 43.0° / 40.0 + 72.0°            Efficiency: 84 %            LEDs/each optic: 1            Light colour: IR            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON IR 2720            FWHM / FWTM: 20.0 + 42.0° / 46.0 + 76.0°            Efficiency: 72 %            LEDs/each optic: 1            Light colour: IR            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON IR Compact            FWHM / FWTM: 41.0 + 15.0° / 69.0 + 34.0°            Efficiency: 77 %            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED: LUXEON TX</p> <p>FWHM / FWTM: 22.0 + 40.0° / 50.0 + 76.0°</p> <p>Efficiency: 82 %</p> <p>Peak intensity: 2.2 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p><b>LUMINUS</b></p> <p>LED: SST-20</p> <p>FWHM / FWTM: 20.0 + 42.0° / 46.0 + 76.0°</p> <p>Efficiency: 82 %</p> <p>Peak intensity: 2.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p><b>SEMI</b> SEOUL SEMICONDUCTOR</p> <p>LED: Z8Y22P</p> <p>FWHM / FWTM: 40.0 + 25.0° / 81.0 + 58.0°</p> <p>Efficiency: 75 %</p> <p>Peak intensity: 1.7 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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