

## 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 ⓘ

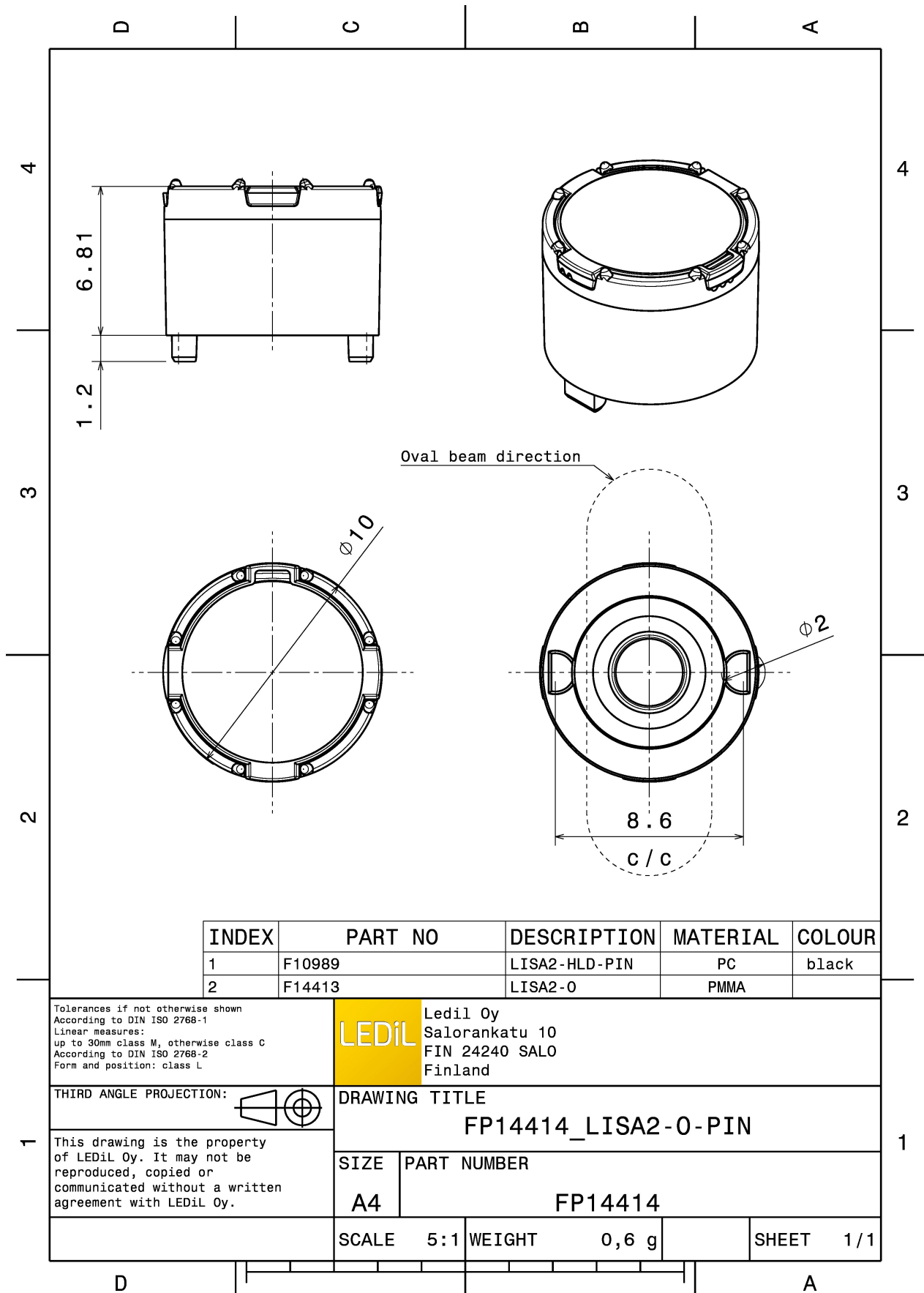
### MATERIAL SPECIFICATIONS:

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


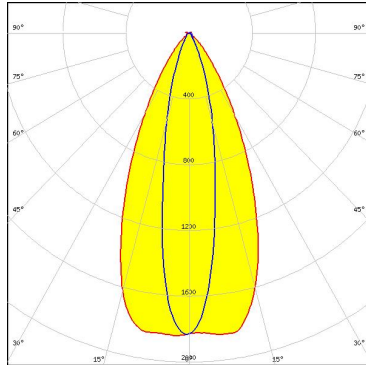
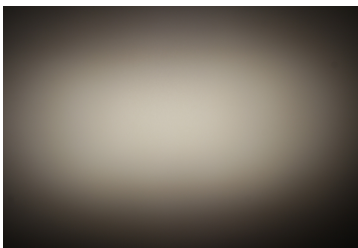
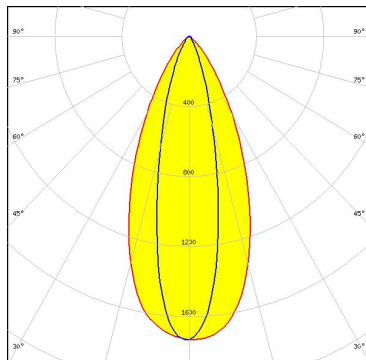

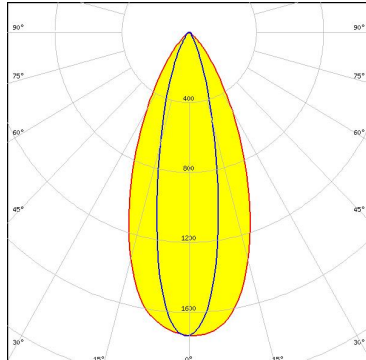


### ORDERING INFORMATION:

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



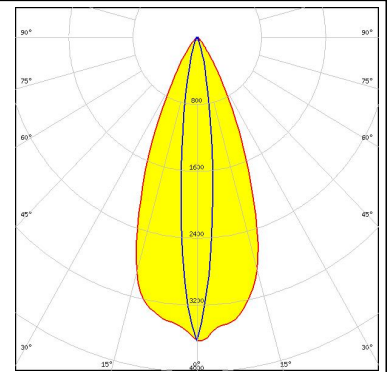
#### PHOTOMETRIC DATA (MEASURED):

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

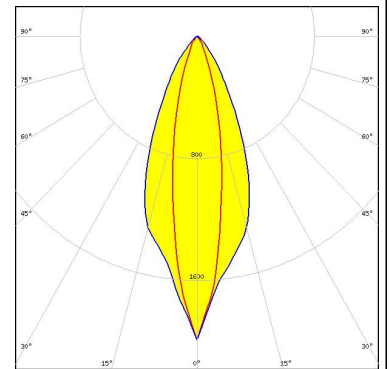
#### PHOTOMETRIC DATA (SIMULATED):



**LED** XQ-E HI  
**FWHM** 43.0 + 13.0°  
**Efficiency** 86 %  
**Peak intensity** 3.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



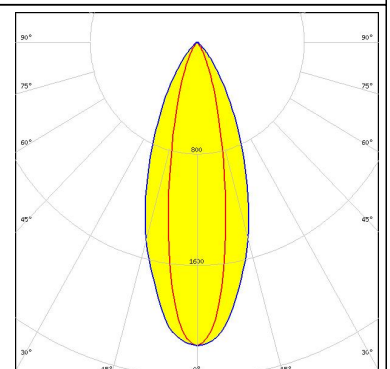
**LED** LUXEON IR 2720  
**FWHM** 20.0 + 42.0°  
**Efficiency** 72 %  
**LEDs/each optic** 1  
**Light colour** IR  
**Required components:**



**LED** LUXEON IR Compact  
**FWHM** 41.0 + 15.0°  
**Efficiency** 77 %  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



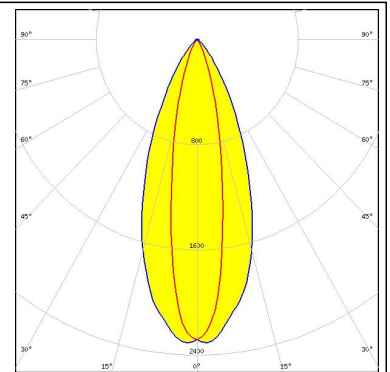
**LED** LUXEON TX  
**FWHM** 22.0 + 40.0°  
**Efficiency** 82 %  
**Peak intensity** 2.2 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



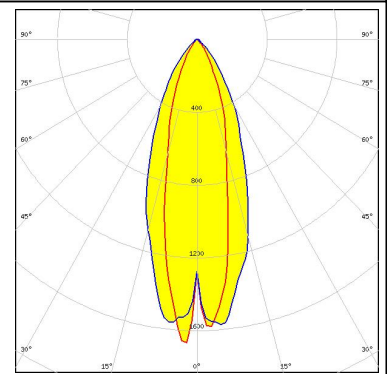
### PHOTOMETRIC DATA (SIMULATED):



LED SST-20  
FWHM 20.0 + 42.0°  
Efficiency 82 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED Z8Y22P  
FWHM 40.0 + 25.0°  
Efficiency 75 %  
Peak intensity 1.7 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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