

LISA2-O-90-PIN

~20° x 50° oval beam. Variant with beam direction rotated 90°. 6.8 mm high variant with location pin installation.

SPECIFICATION:

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

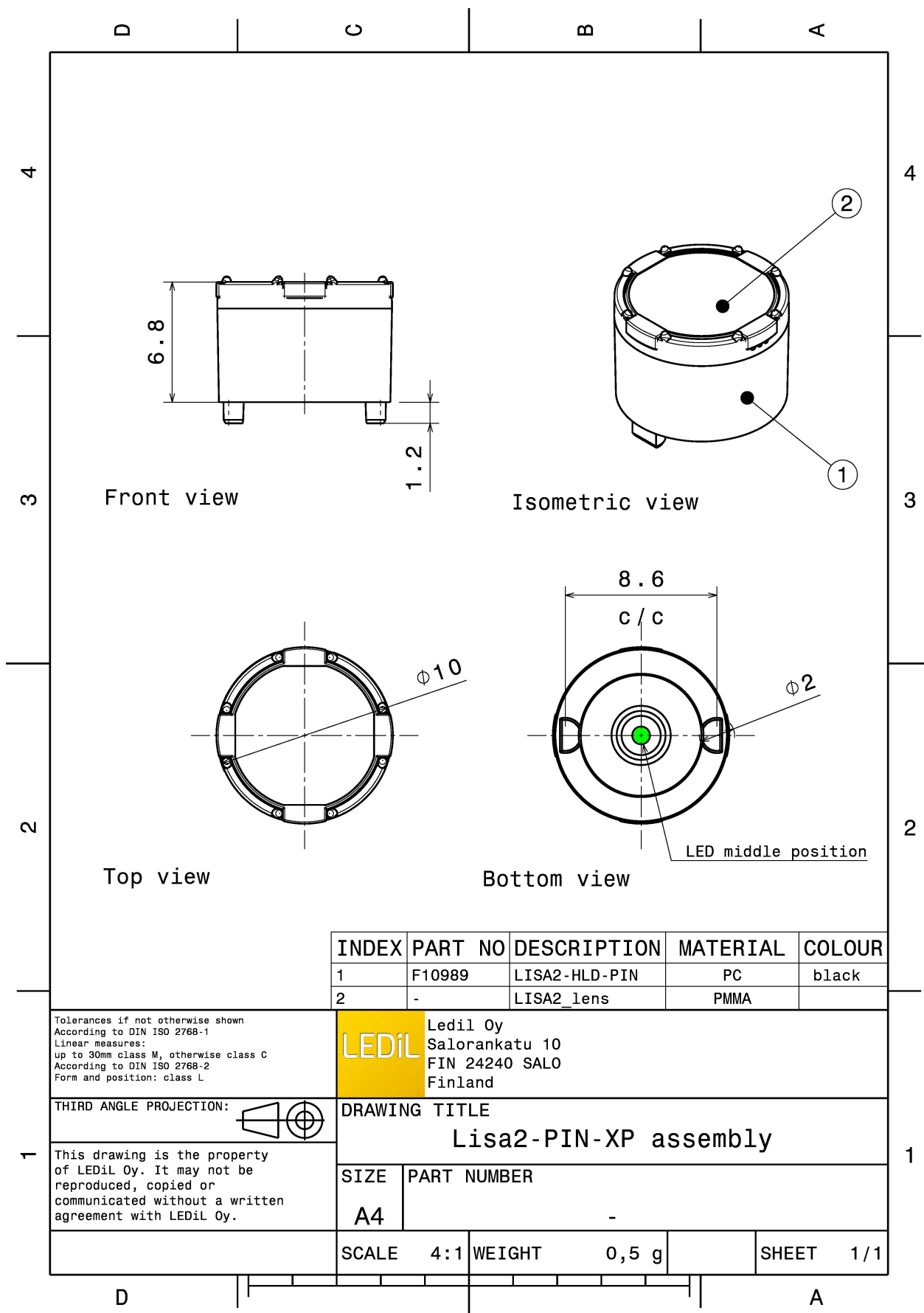


MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP11851_LISA2-O-90-PIN	Single lens	2000		100	1.4
» Box size:					

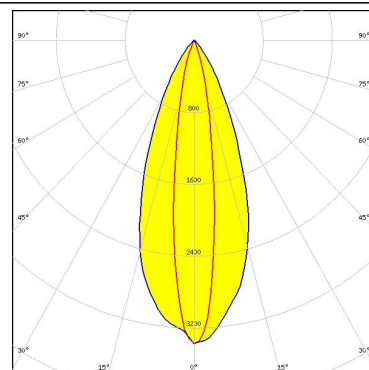


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



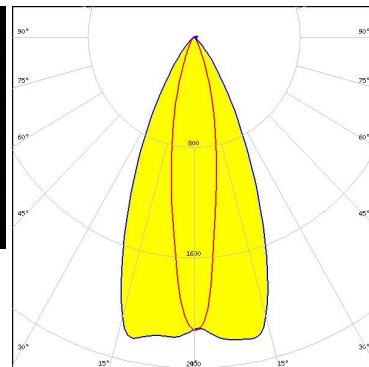
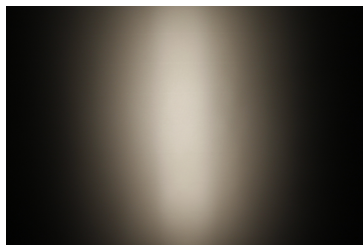
LED XP-E
 FWHM / FWTM 48.0 + 18.0°
 Efficiency 83 %
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-G
 FWHM / FWTM 48.0 + 18.0°
 Efficiency 86 %
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON Z ES
 FWHM / FWTM 18.0 + 49.0° / 44.0 + 77.0°
 Efficiency 80 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED SFH 4170S
 FWHM / FWTM 13.0 + 45.0° / 39.0 + 68.0°
 Efficiency %
 LEDs/each optic 1
 Light colour IR
 Required components:

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	SFH 4180S
FWHM / FWTM	11.0 + 45.0° / 36.0 + 68.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR
Required components:	

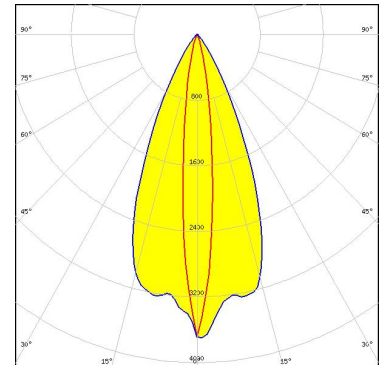
OPTICAL RESULTS (SIMULATED):



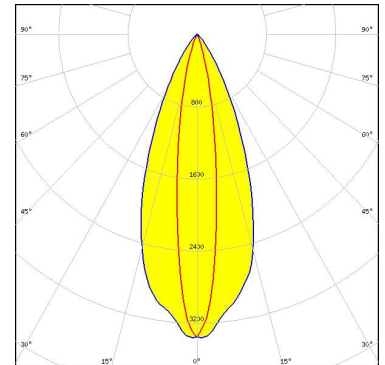
LED XQ-E HD
 FWHM / FWTM 40.0 + 13.0° / 69.0 + 32.0°
 Efficiency 86 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



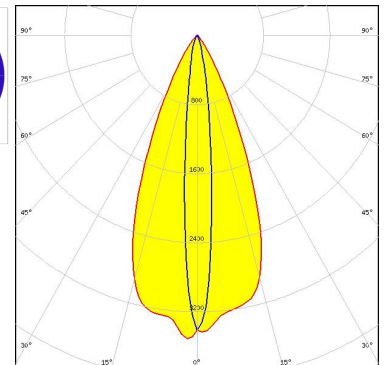
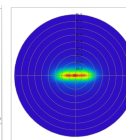
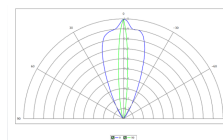
LED XQ-E HI
 FWHM / FWTM 46.0 + 11.0° / 68.0 + 28.0°
 Efficiency 83 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSLOM SSL 150
 FWHM / FWTM 16.0 + 42.0° / 35.0 + 71.0°
 Efficiency 88 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED SFH 4170S
 FWHM / FWTM 43.0 + 10.0° / 67.0 + 24.0°
 Efficiency 73 %
 LEDs/each optic 1
 Light colour IR
 Required components:



OPTICAL RESULTS (SIMULATED):

SHARP

LED	Double Dome (GM2BB)
FWHM / FWTM	48.0 + 20.0°
Efficiency	%
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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