LISA2-O-90-PIN

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



TECHNICAL SPECIFICATIONS:

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

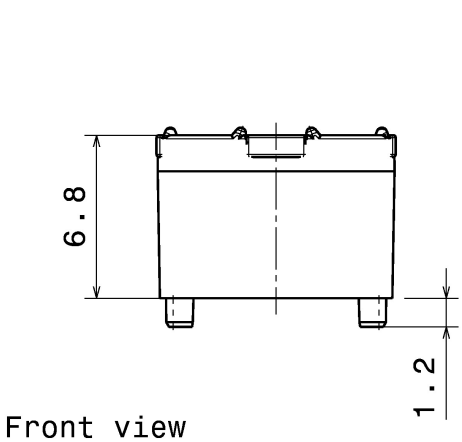
MATERIAL SPECIFICATIONS:

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

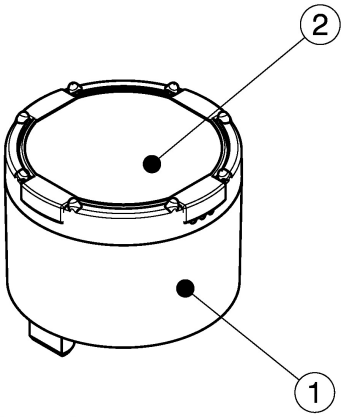
ORDERING INFORMATION:

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

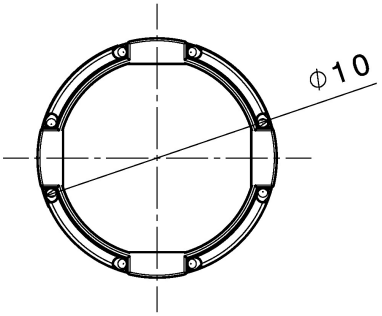
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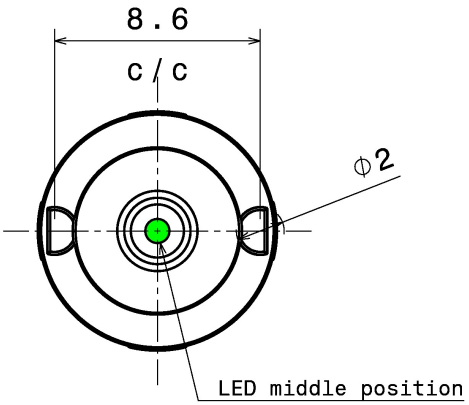
Front view



Isometric view



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F10989	LISA2-HLD-PIN	PC	black
2	-	LISA2_lens	PMMA	

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
up to 30mm class M, otherwise class C
According to DIN ISO 2768-2
Form and position: class L

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
Lisa2-PIN-XP assembly

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SIZE A4 | PART NUMBER -

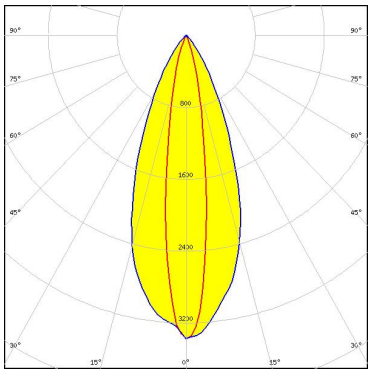
SCALE 4:1 | WEIGHT 0,5 g | SHEET 1/1

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

PHOTOMETRIC DATA (MEASURED):

CREE LED

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



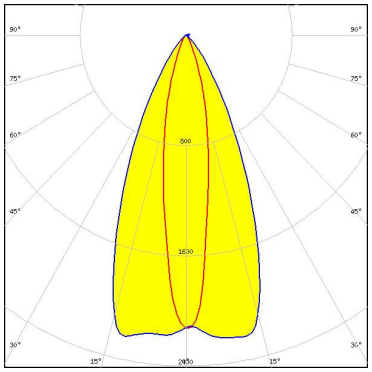
CREE LED

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

LUMILEDS

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:	





OSRAM
Opto Semiconductors

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

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PHOTOMETRIC DATA (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:

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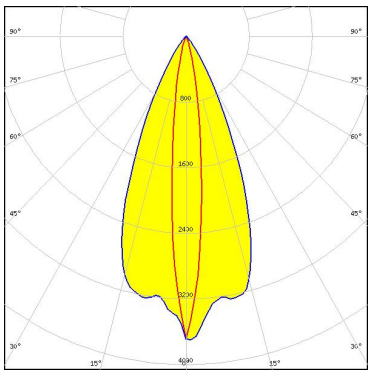
PHOTOMETRIC DATA (SIMULATED):

CREE LED

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:	

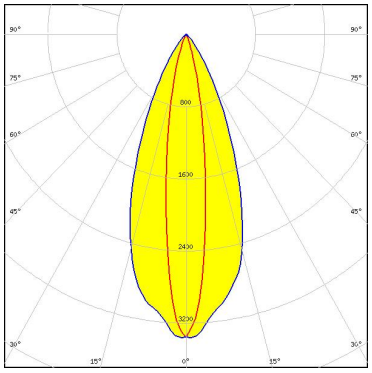
CREE LED

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:	



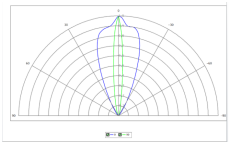
OSRAM
Opto Semiconductors

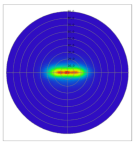
LED	OSLON SSL 150
FWHM / FWTM	16.0 + 42.0° / 35.0 + 71.0°
Efficiency	88 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

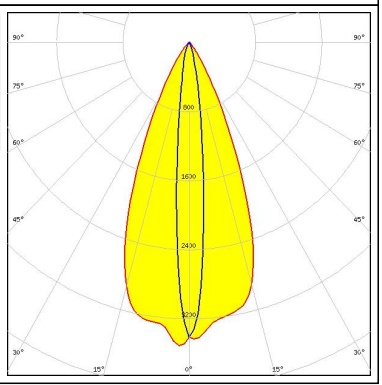


OSRAM
Opto Semiconductors

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







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PHOTOMETRIC DATA (SIMULATED):

SHARP

LED	Double Dome (GM2BB)
FWHM / FWTM	48.0 + 20.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

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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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