

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
Height	6.8 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

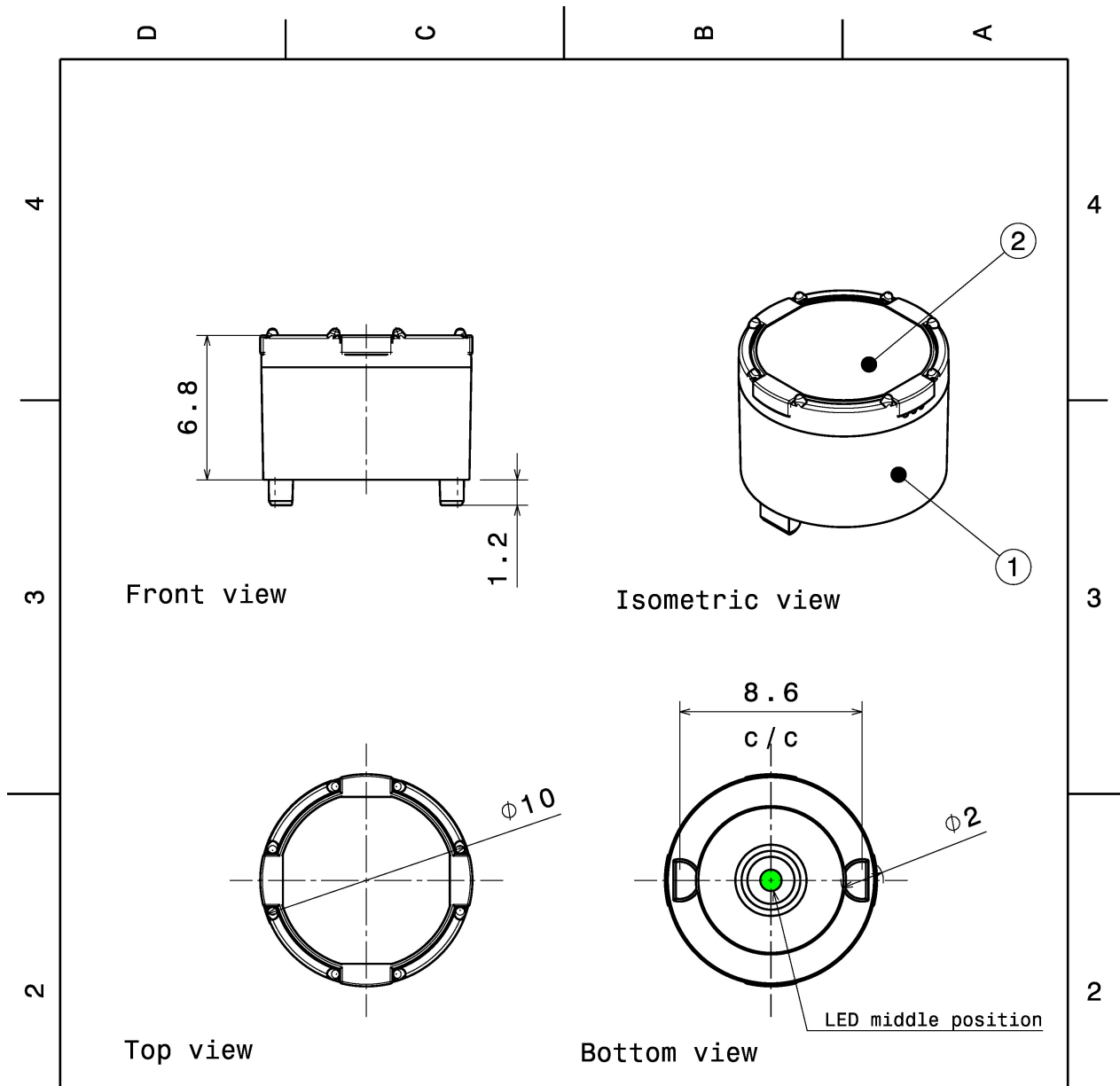


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
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:					



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 Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
Lisa2-PIN-XP assembly

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SIZE	PART NUMBER
A4	-

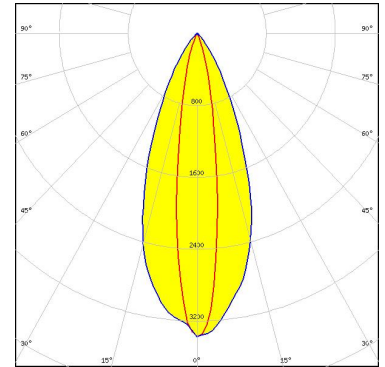
SCALE	4:1	WEIGHT	0,5 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



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



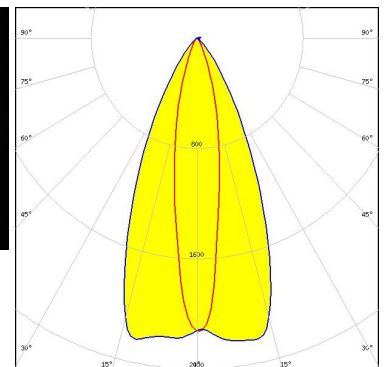
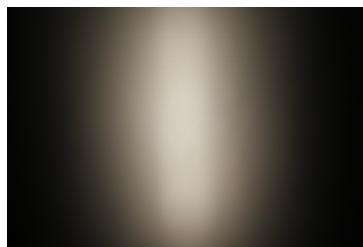
Light distribution files



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



Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

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

Light distribution files

OSRAM
Opto Semiconductors

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

Light distribution files

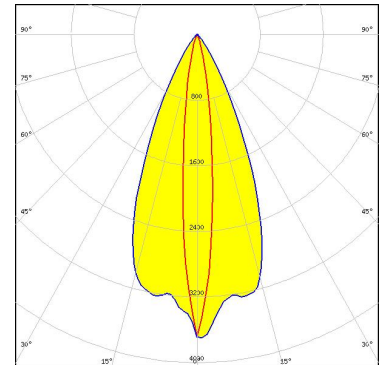
OPTICAL RESULTS (SIMULATED):



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/type White
Required components:



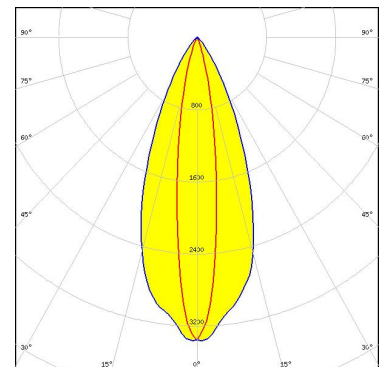
LED XQ-E HI
FWHM / FWTM 46.0 + 11.0° / 68.0 + 28.0°
Efficiency 83 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSOLON 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/type White
Required components:

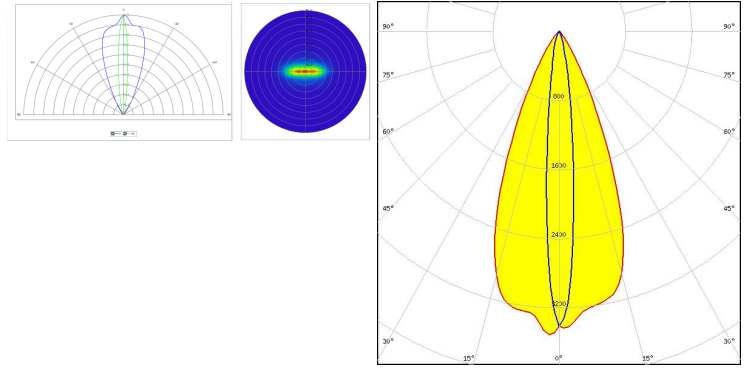


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

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



Light distribution files

SHARP

LED Double Dome (GM2BB)
FWHM / FWTM 48.0 + 20.0°
Efficiency %
LEDs/each optic 1
Light colour/type 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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LEDiL Oy

Joensuunkatu 7
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

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