LISA2-O-PIN

~45° x 20° oval beam. 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	Length
LISA2-O-XP	Single lens	PMMA	clear		9.9
LISA2-HLD-PIN	Holder	PC	black		9.9

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP11125_LISA2-O-PIN	Single lens	2000	300	100	1.4
» Box size:					

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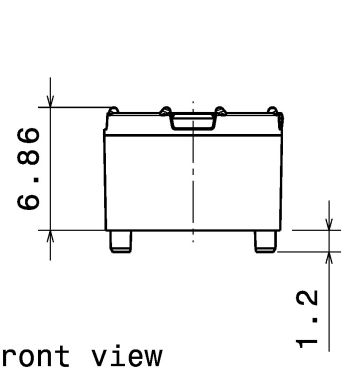
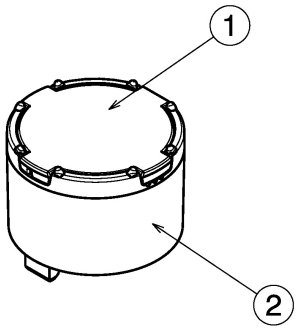
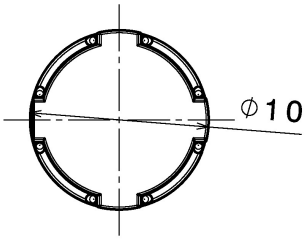


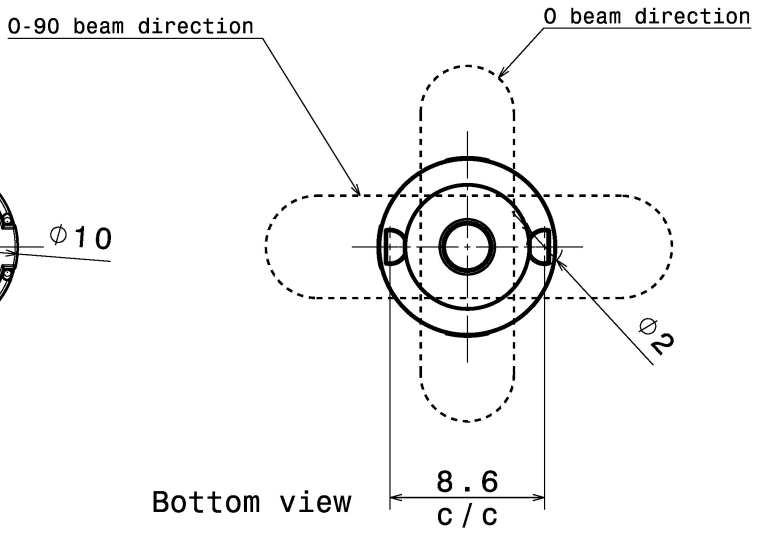
Front view



Isometric view



Top view



Bottom view

INDEX	DESCRIPTION	MATERIAL	COLOUR
1	Lens	PMMA	clear
2	Holder	PC	black

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

THIRD ANGLE PROJECTION:

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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
LISA2-O/O-90 Datasheet

SIZE A4 | PART NUMBER -

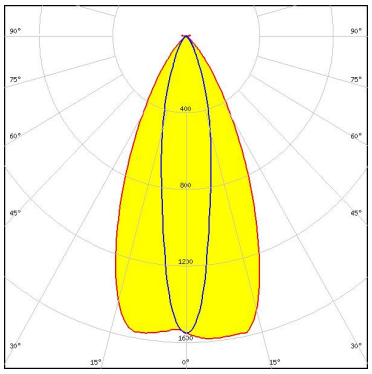
SCALE 3:1 | WEIGHT - | SHEET 1/1

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

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XD16
FWHM / FWTM	50.0 + 20.0° / 80.0 + 51.0°
Efficiency	66 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

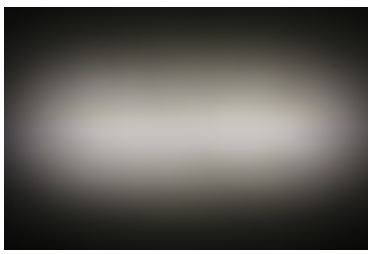
CREE LEDs

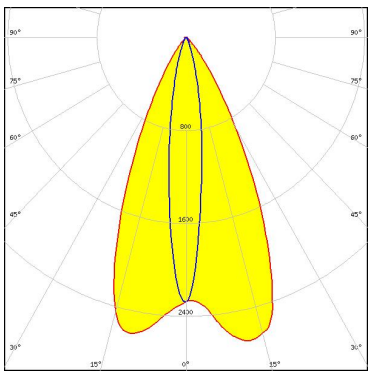
LED	XP-G
FWHM / FWTM	46.0 + 24.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

CREE LEDs

LED	XQ-E HI
FWHM / FWTM	15.0 + 52.0° / 37.0 + 76.0°
Efficiency	77 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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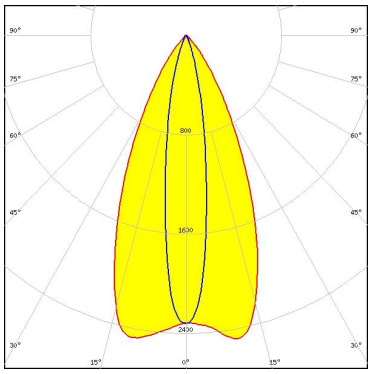
OPTICAL RESULTS (MEASURED):

LUMILEDS

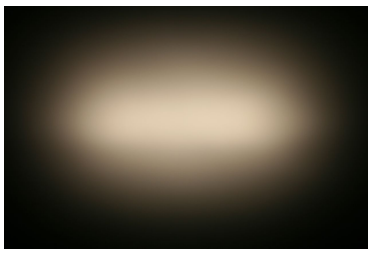
LED	LUXEON C
FWHM / FWTM	50.0 + 17.0° / 78.0 + 38.0°
Efficiency	81 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

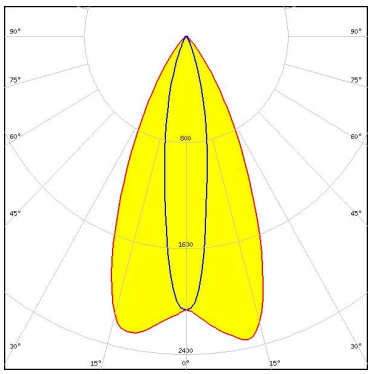


Light distribution files

LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	50.0 + 19.0° / 78.0 + 44.0°
Efficiency	79 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

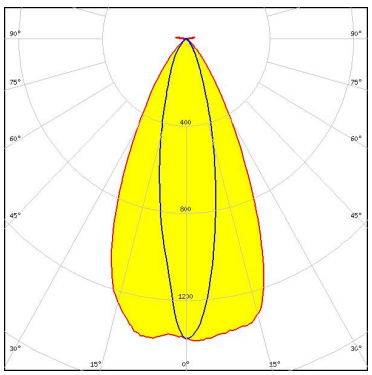




Light distribution files

NICHIA

LED	NCSxE17A
FWHM / FWTM	51.0 + 22.0° / 81.0 + 55.0°
Efficiency	64 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	46.0 + 14.0° / 74.0 + 39.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	IR
Required components:	

Light distribution files

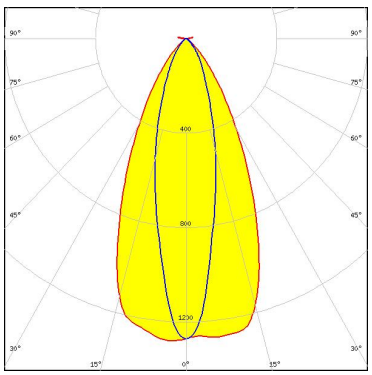
OSRAM
Opto Semiconductors

LED	SFH 4180S
FWHM / FWTM	46.0 + 13.0° / 72.0 + 37.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	IR
Required components:	

Light distribution files

SAMSUNG

LED	LH181B
FWHM / FWTM	50.0 + 24.0° / 84.0 + 63.0°
Efficiency	65 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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OPTICAL RESULTS (MEASURED):

SHARP

LED	Double Dome (GM2BB)
FWHM / FWTM	10.0 + 32.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

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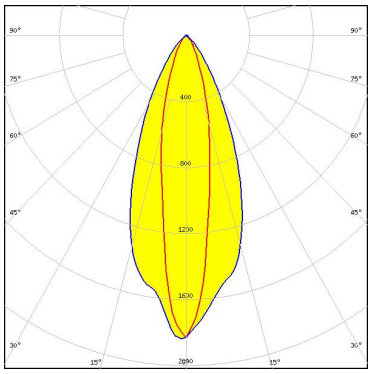
OPTICAL RESULTS (SIMULATED):

bridgelux

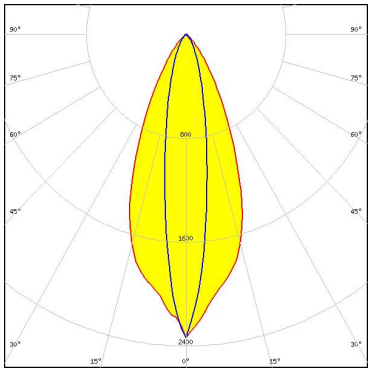
LED	CSP 2323 (BXCP)
FWHM / FWTM	19.0 + 43.0° / 51.0 + 78.0°
Efficiency	70 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	J Series 2835
FWHM / FWTM	43.0 + 17.0° / 76.0 + 47.0°
Efficiency	79 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

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

Light distribution files

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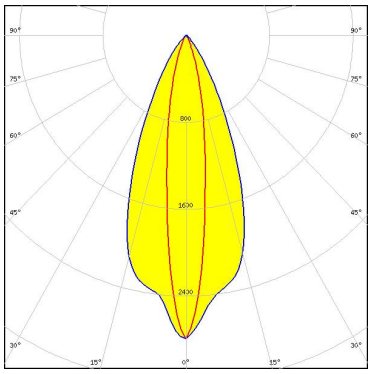
OPTICAL RESULTS (SIMULATED):

LUMILEDS

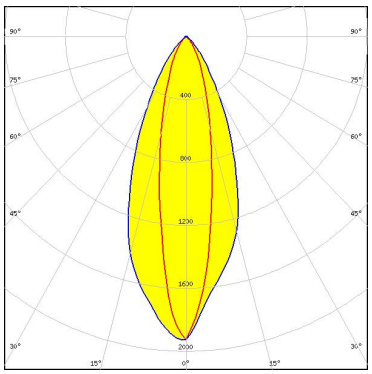
LED	LUXEON IR 2720
FWHM / FWTM	15.0 + 42.0° / 39.0 + 70.0°
Efficiency	82 %
LEDs/each optic	1
Light colour/type	IR
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

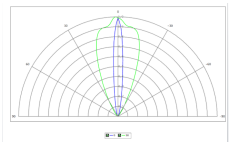
LED	Duris S5 (2 chip)
FWHM / FWTM	20.0 + 42.0° / 56.0 + 78.0°
Efficiency	78 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

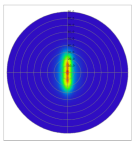


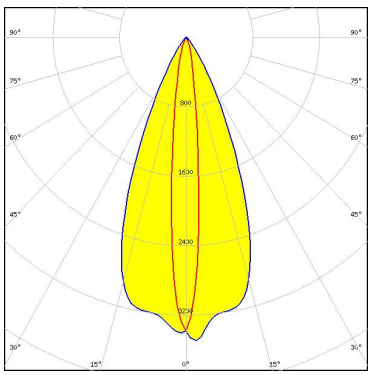
Light distribution files

OSRAM
Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	11.0 + 43.0° / 28.0 + 64.0°
Efficiency	73 %
LEDs/each optic	1
Light colour/type	IR
Required components:	







Light distribution files

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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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