LISA2-O-PIN

~45° x 20° oval beam. 7.13 mm high variant with location pin installation.



SPECIFICATION:

Dimensions	Ø 10.0 mm
Height	6.8 mm
Fastening	pin
ROHS compliant	yes

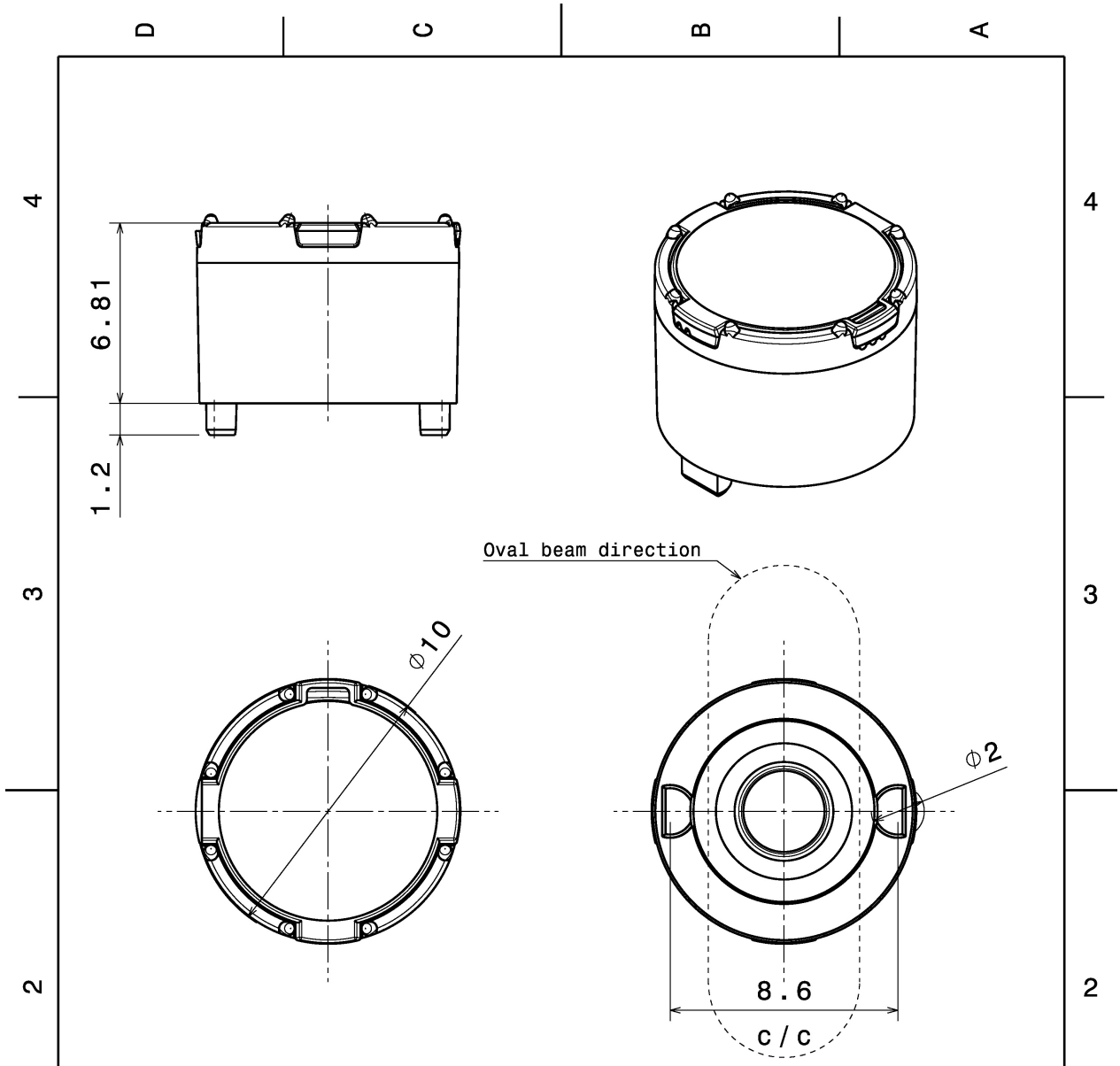
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
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:					

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INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F10989	LISA2-HLD-PIN	PC	black
2	F14413	LISA2-O	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
FP14414_LISA2-O-PIN

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SIZE	PART NUMBER
A4	FP14414

SCALE	WEIGHT		SHEET
5:1	0,6 g		1/1

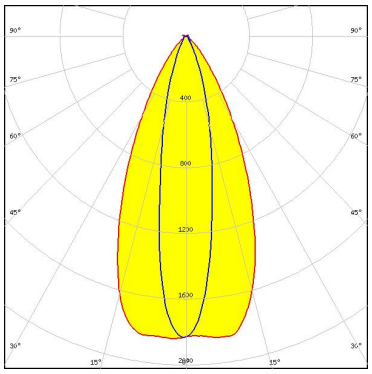
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

NICHIA

LED	NCSxx19B
FWHM / FWTM	49.0 + 21.0° / 80.0 + 48.0°
Efficiency	77 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



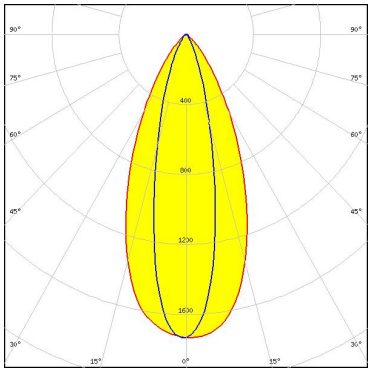


Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	47.0 + 25.0° / 82.0 + 52.0°
Efficiency	75 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

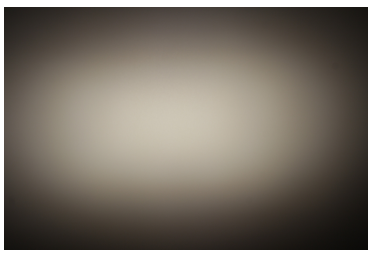


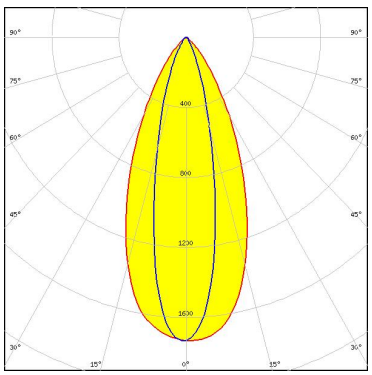


Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	47.0 + 25.0° / 82.0 + 52.0°
Efficiency	75 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





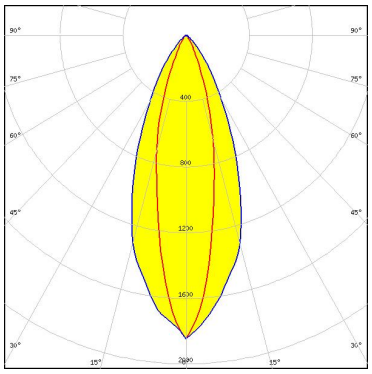
Light distribution files

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OPTICAL RESULTS (SIMULATED):

bridgelux

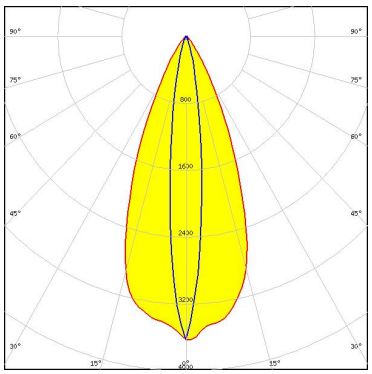
LED	CSP 2323 (BXCP)
FWHM / FWTM	23.0 + 42.0° / 51.0 + 78.0°
Efficiency	75 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

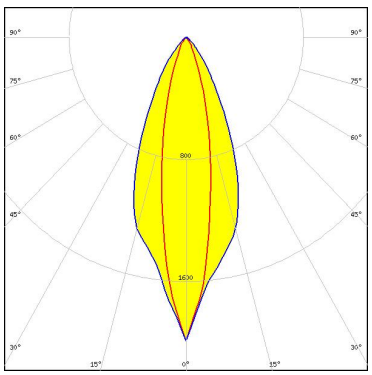
LED	XQ-E HI
FWHM / FWTM	43.0 + 13.0° / 69.0 + 30.0°
Efficiency	86 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON IR 2720
FWHM / FWTM	20.0 + 42.0° / 46.0 + 76.0°
Efficiency	72 %
LEDs/each optic	1
Light colour/type	IR
Required components:	



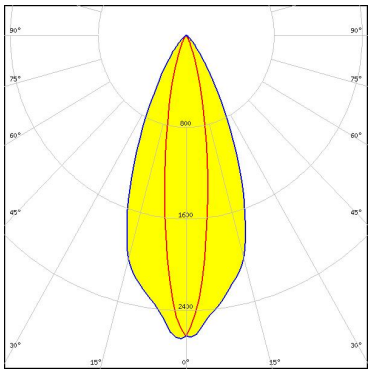
Light distribution files

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OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON IR 2720
FWHM / FWTM	17.0 + 43.0° / 40.0 + 72.0°
Efficiency	84 %
LEDs/each optic	1
Light colour/type	IR
Required components:	



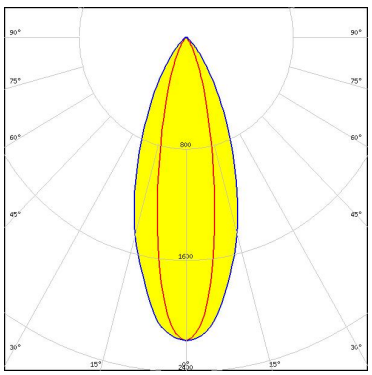
Light distribution files

LUMILEDS

LED	LUXEON IR Compact
FWHM / FWTM	41.0 + 15.0° / 69.0 + 34.0°
Efficiency	77 %
LEDs/each optic	1
Light colour/type	White
Required components:	

LUMILEDS

LED	LUXEON TX
FWHM / FWTM	22.0 + 40.0° / 50.0 + 76.0°
Efficiency	82 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



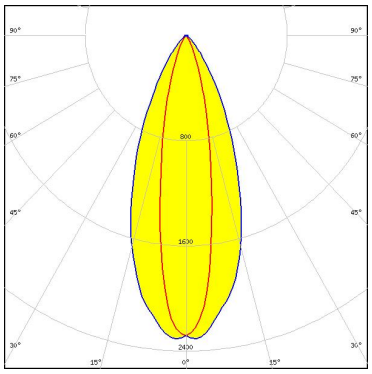
Light distribution files

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OPTICAL RESULTS (SIMULATED):

LUMINUS

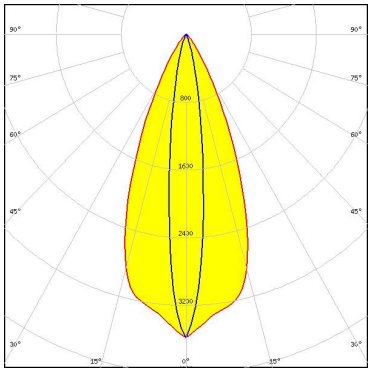
LED	SST-20
FWHM / FWTM	20.0 + 42.0° / 46.0 + 76.0°
Efficiency	82 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

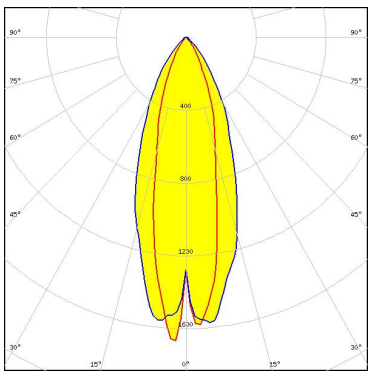
LED	OSLON Pure 1414
FWHM / FWTM	44.0 + 14.0° / 68.0 + 31.0°
Efficiency	87 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	40.0 + 25.0° / 81.0 + 58.0°
Efficiency	75 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
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:

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