

LISA2-O-PIN

~45° x 20° oval beam. 6.8 mm high variant with location pin installation.

SPECIFICATION:

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

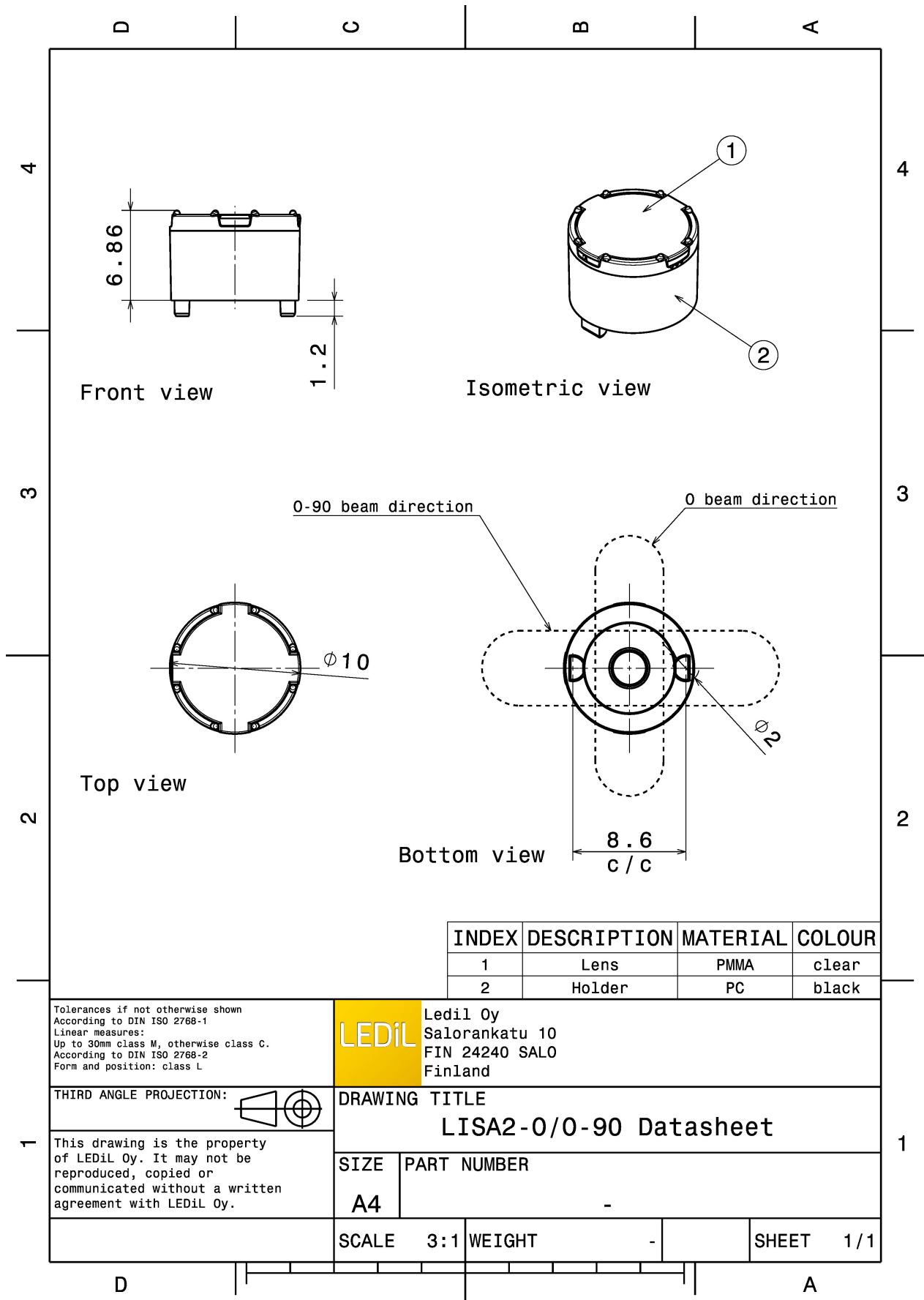


MATERIALS:

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)
FP11125_LISA2-O-PIN	Single lens	2000	300	100	1.4
» Box size:					



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



Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
LISA2-0/0-90 Datasheet

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SIZE	PART NUMBER
A4	-

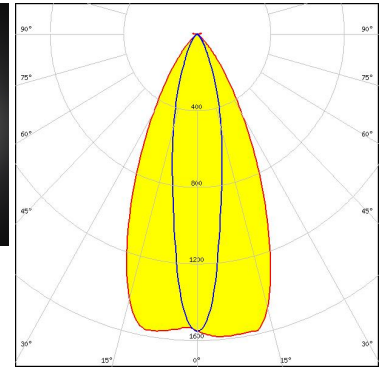
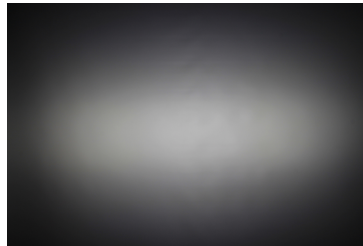
SCALE	3:1	WEIGHT	-	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



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

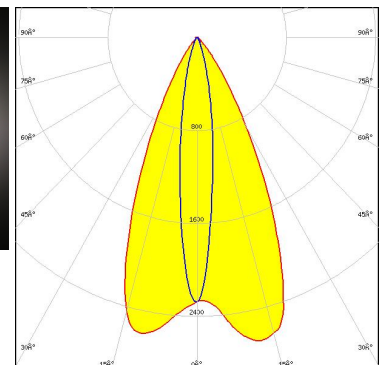
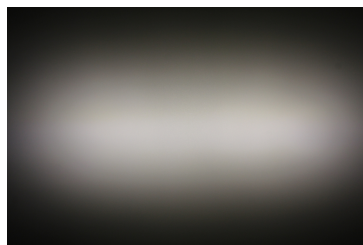


LED XP-G
FWHM / FWTM 46.0 + 24.0°
Efficiency 86 %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



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:

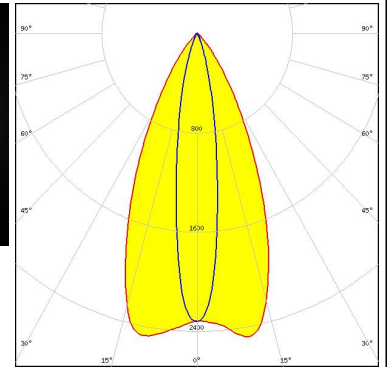
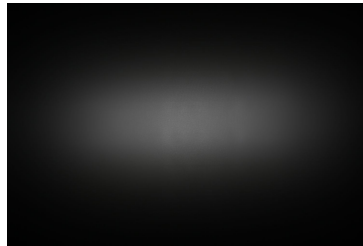


Light distribution files

OPTICAL RESULTS (MEASURED):



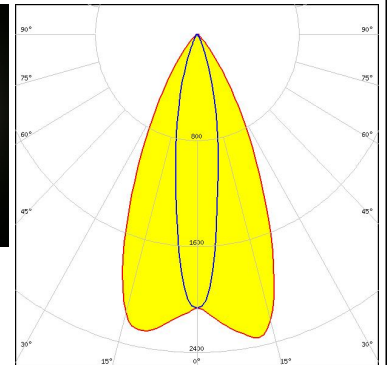
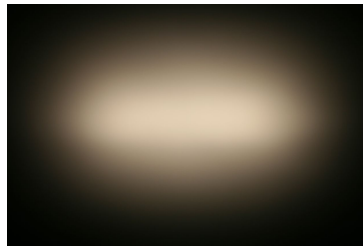
LED LUXEON C
FWHM / FWTM 50.0 + 17.0° / 78.0 + 38.0°
Efficiency 81 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



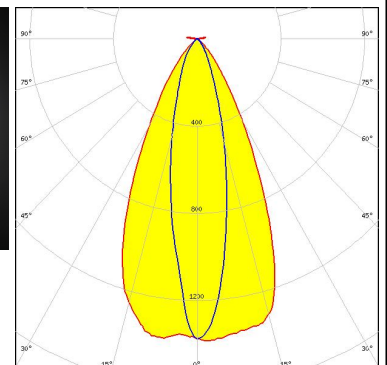
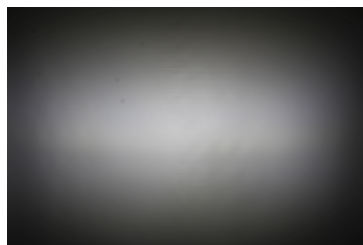
LED LUXEON Z ES
FWHM / FWTM 50.0 + 19.0° / 78.0 + 44.0°
Efficiency 79 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

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

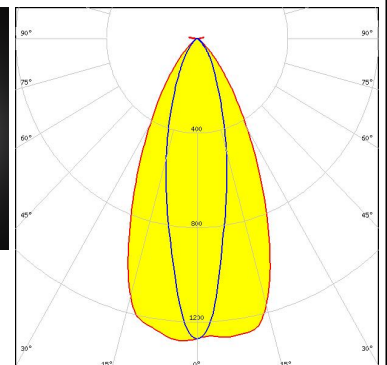
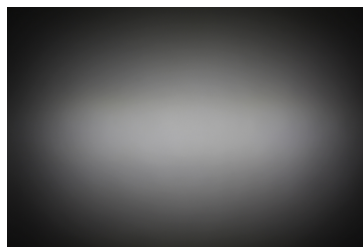
OSRAM
Opto Semiconductors

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

OPTICAL RESULTS (MEASURED):

SHARP

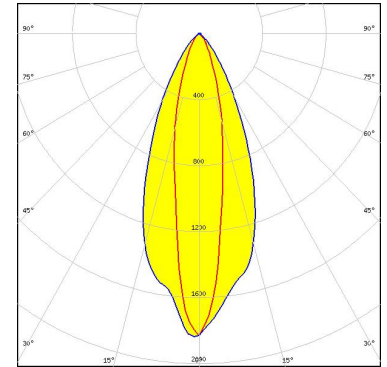
LED	Double Dome (GM2BB)
FWHM / FWTM	10.0 + 32.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):



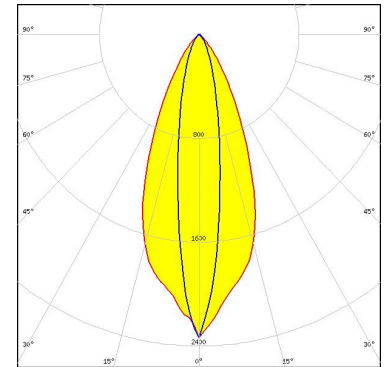
LED CSP 2323 (BXCP)
 FWHM / FWTM 19.0 + 43.0° / 51.0 + 78.0°
 Efficiency 70 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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



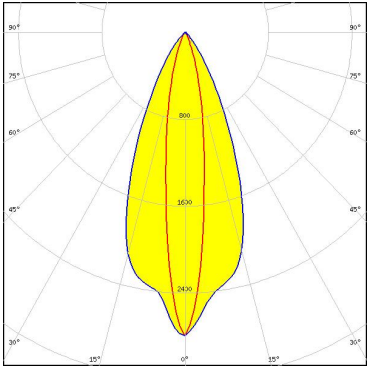
LED XQ-E HD
 FWHM / FWTM 13.0 + 40.0° / 32.0 + 69.0°
 Efficiency 86 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

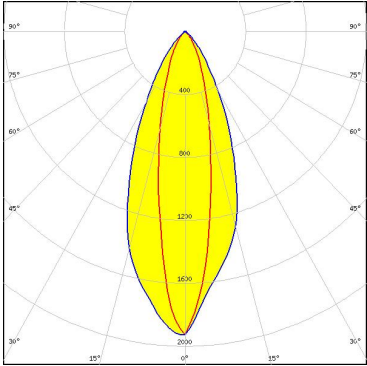
LED	LUXEON IR 2720
FWHM / FWTM	15.0 + 42.0° / 39.0 + 70.0°
Efficiency	82 %
LEDs/each optic	1
Light colour/type	IR
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

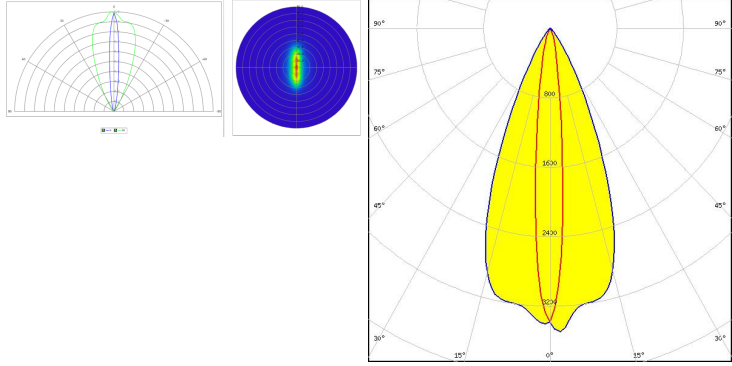
LED	Duris S5 (2 chip)
FWHM / FWTM	20.0 + 42.0° / 56.0 + 78.0°
Efficiency	78 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



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

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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