LISA2-W-PIN

~35° wide beam. 6.8 mm high variant with location pin installation.

SPECIFICATION:

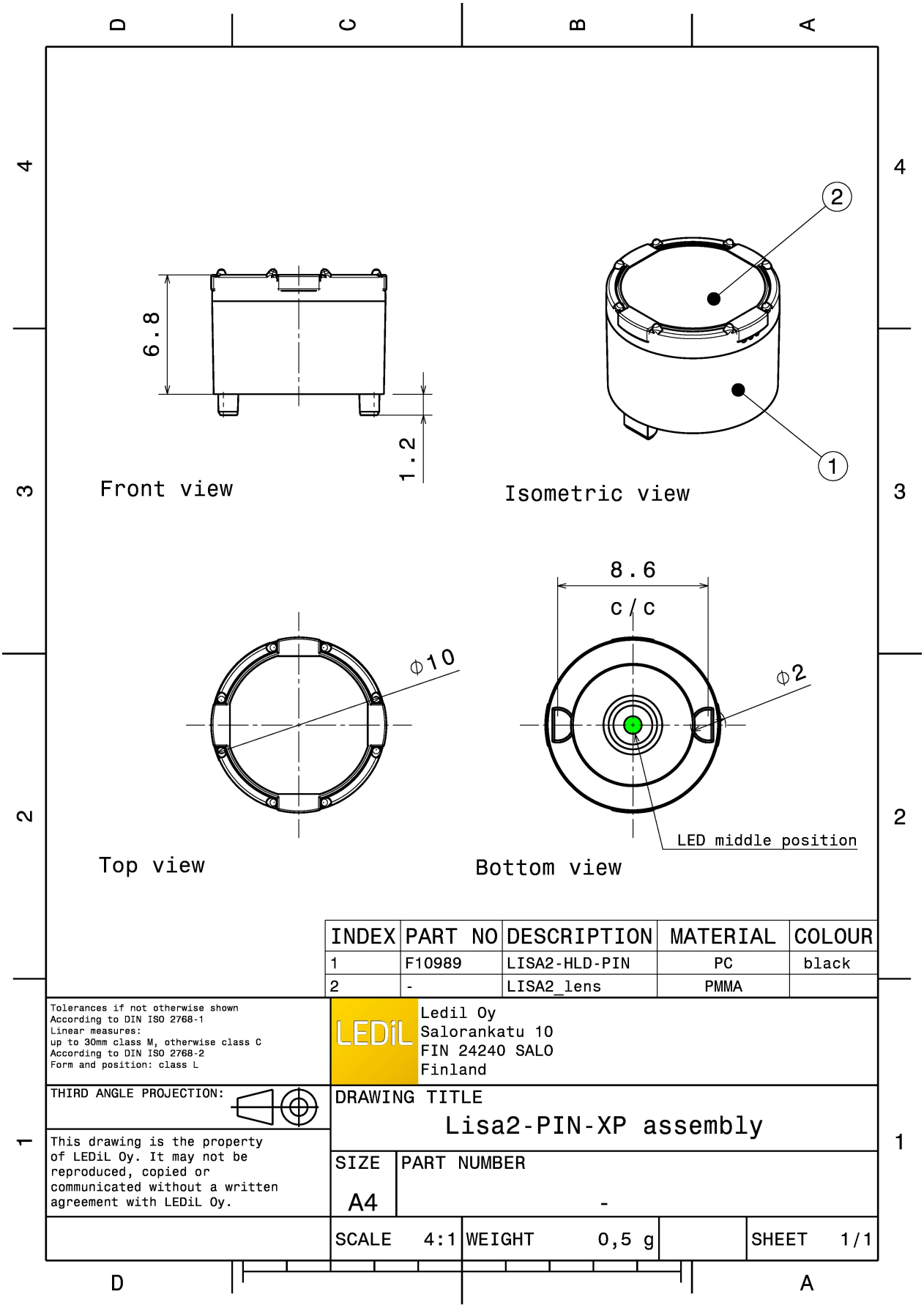
Dimensions	Ø 9.9 mm
Height	6.8 mm
Fastening	glue, pin
ROHS compliant	yes

MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP10996_LISA2-W-PIN	Single lens	2000	300	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

THIRD ANGLE PROJECTION:

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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
Lisa2-PIN-XP assembly

SIZE A4 | PART NUMBER -

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

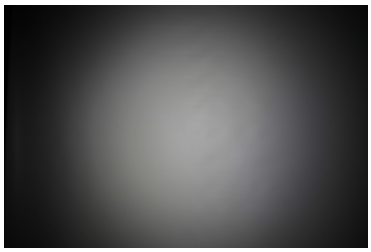
See also our general installation guide: www.ledil.com/installation_guide

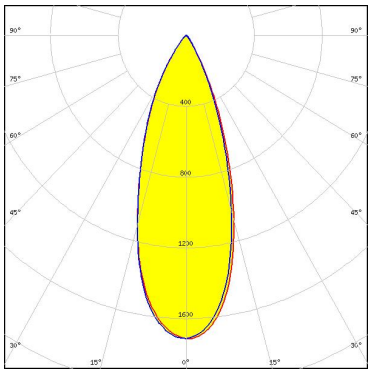
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XD16
FWHM / FWTM	37.0° / 65.0°
Efficiency	77 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

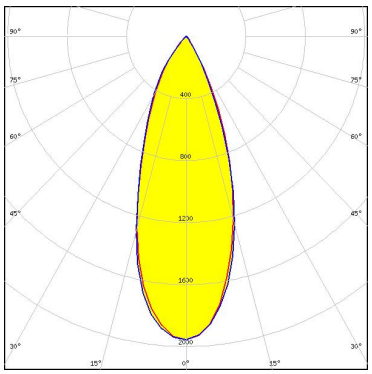




CREE LEDs

LED	XP-E
FWHM / FWTM	37.0°
Efficiency	90 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



CREE LEDs

LED	XP-G
FWHM / FWTM	48.0° / 76.0°
Efficiency	92 %
LEDs/each optic	1
Light colour	White

Required components:

LUMILEDS

LED	LUXEON A
FWHM / FWTM	46.0°
Efficiency	88 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

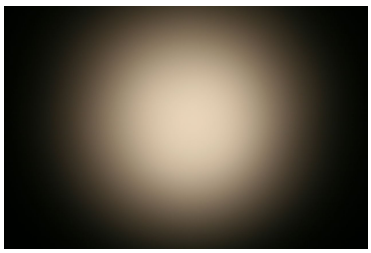
OPTICAL RESULTS (MEASURED):

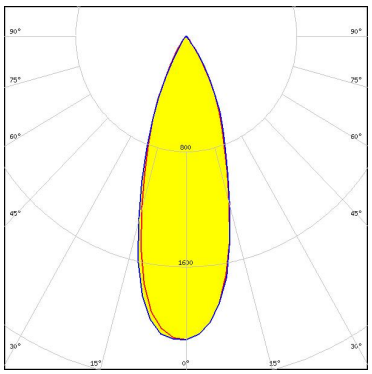
LUMILEDS

LED	LUXEON Z
FWHM / FWTM	27.0° / 60.0°
Efficiency	87 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

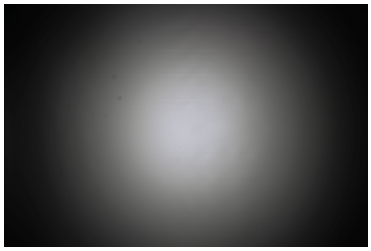
LED	LUXEON Z ES
FWHM / FWTM	35.0° / 64.0°
Efficiency	87 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

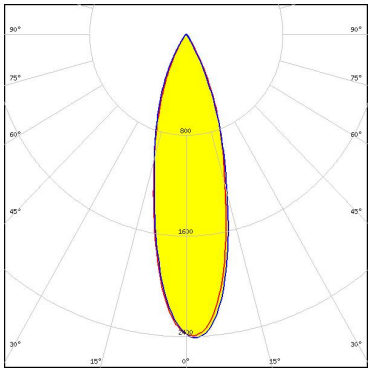




NICHIA

LED	NCSxE17A
FWHM / FWTM	29.0° / 58.0°
Efficiency	80 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





OSRAM
Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	26.0° / 60.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR
Required components:	

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

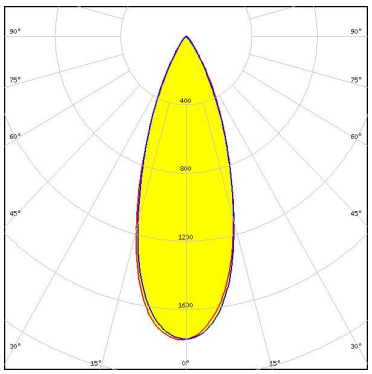
LED	SFH 4180S
FWHM / FWTM	25.0° / 60.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR

Required components:

SAMSUNG

LED	LH181B
FWHM / FWTM	36.0° / 64.0°
Efficiency	80 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



SHARP

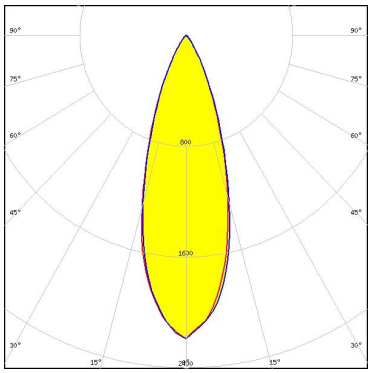
LED	Double Dome (GM2BB)
FWHM / FWTM	44.0°
Efficiency	88 %
LEDs/each optic	1
Light colour	White

Required components:

OPTICAL RESULTS (SIMULATED):

bridgelux

LED	CSP 2323 (BXCP)
FWHM / FWTM	34.0° / 62.0°
Efficiency	85 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

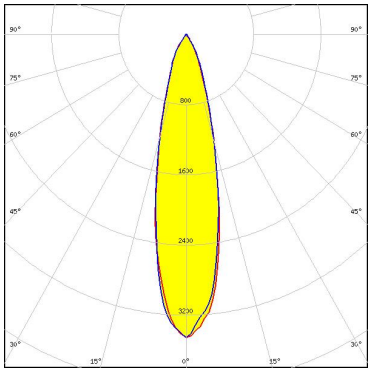


CREE LEDs

LED	XQ-E HD
FWHM / FWTM	49.0° / 80.0°
Efficiency	90 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

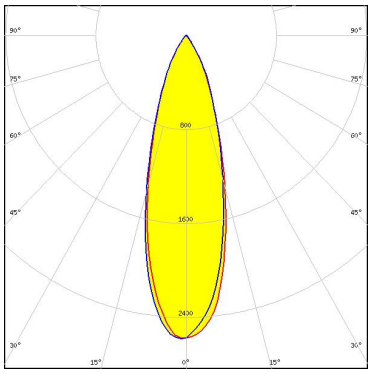
CREE LEDs

LED	XQ-E HI
FWHM / FWTM	23.0° / 52.0°
Efficiency	89 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

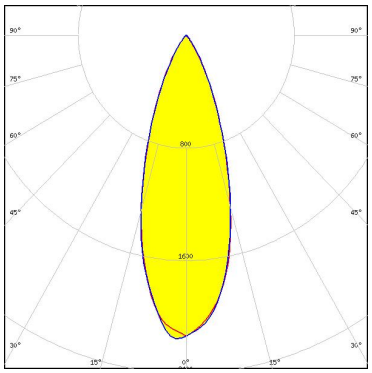
LED	LUXEON IR 2720
FWHM / FWTM	30.0° / 62.0°
Efficiency	93 %
LEDs/each optic	1
Light colour	IR
Required components:	



OPTICAL RESULTS (SIMULATED):

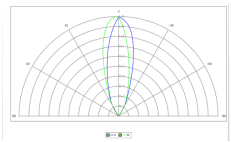
NICHIA

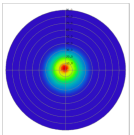
LED	NVSxE21A
FWHM / FWTM	34.0° / 63.0°
Efficiency	87 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

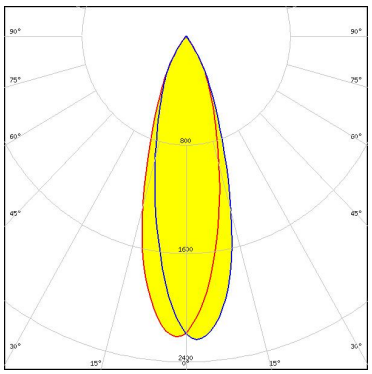


OSRAM
Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	32.0° / 63.0°
Efficiency	79 %
LEDs/each optic	1
Light colour	IR
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:

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LEDiL Oy
Joensuunkatu 13
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
www.ledil.com/
where_to_buy

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