LISA2-WWW-PIN

~80° wide beam. 7.0 mm high variant with location pin installation.

TECHNICAL SPECIFICATIONS:

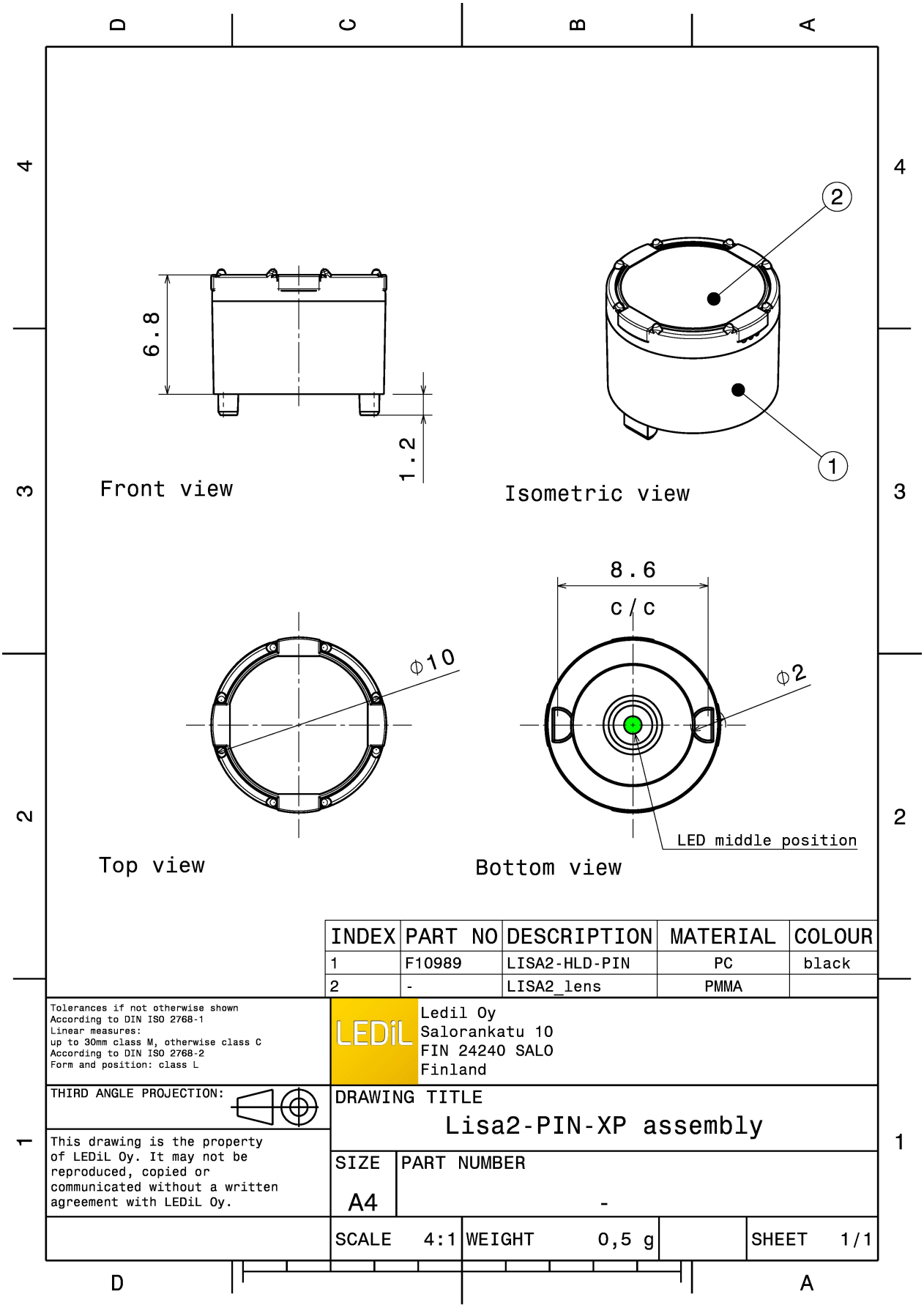
Dimensions	Ø 9.9 mm
Height	7 mm
Fastening	glue, pin
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP11429_LISA2-WWW-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 Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

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

PHOTOMETRIC DATA (MEASURED):

CREE LED

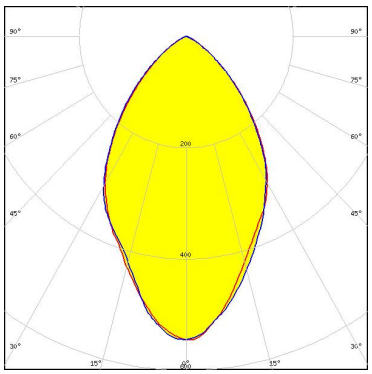
LED	XB-D
FWHM / FWTM	73.0° / 116.0°
Efficiency	71 %
LEDs/each optic	1
Light colour	White

Required components:

CREE LED

LED	XD16
FWHM / FWTM	66.0° / 110.0°
Efficiency	66 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

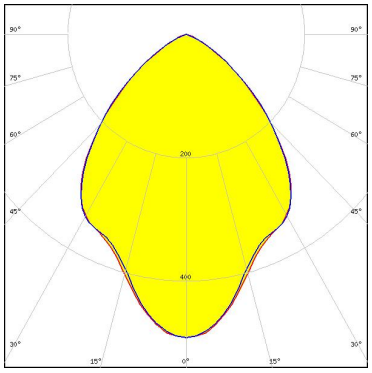
Required components:



CREE LED

LED	XP-E
FWHM / FWTM	84.0°
Efficiency	77 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

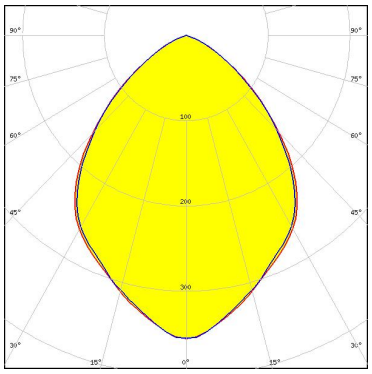
Required components:



CREE LED

LED	XP-G
FWHM / FWTM	86.0° / 126.0°
Efficiency	75 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

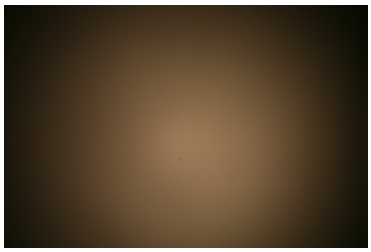
Required components:



PHOTOMETRIC DATA (MEASURED):

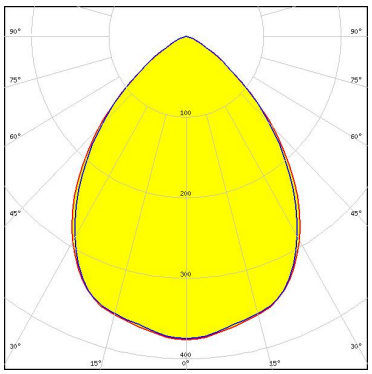
LUMILEDS

LED	LUXEON A
FWHM / FWTM	86.0° / 122.0°
Efficiency	72 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	88.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

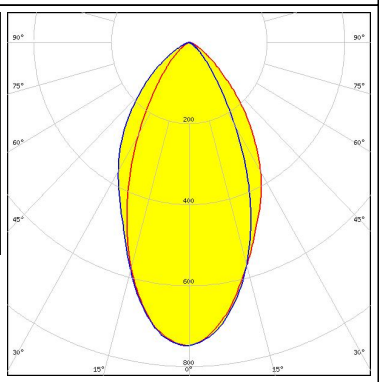


LUMILEDS

LED	LUXEON Z
FWHM / FWTM	73.0° / 106.0°
Efficiency	75 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NVSxE21A
FWHM / FWTM	53.0° / 98.0°
Efficiency	70 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	58.0° / 114.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR

Required components:

OSRAM
Opto Semiconductors

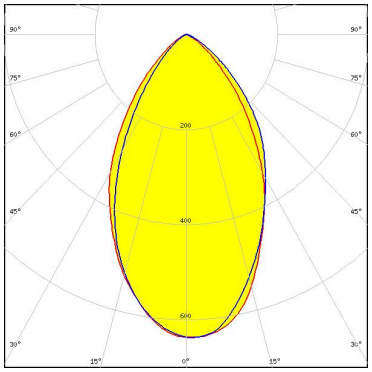
LED	SFH 4180S
FWHM / FWTM	57.0° / 112.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR

Required components:

SAMSUNG

LED	LH181B
FWHM / FWTM	62.0° / 104.0°
Efficiency	72 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



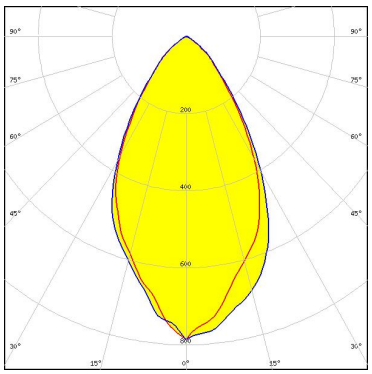
PHOTOMETRIC DATA (SIMULATED):

CREE LED

LED	XQ-E HD
FWHM / FWTM	70.0° / 126.0°
Efficiency	81 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

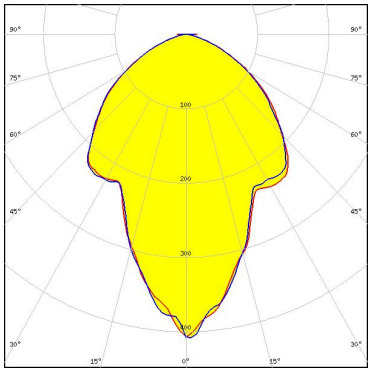
LUMILEDS

LED	LUXEON IR 2720
FWHM / FWTM	58.0° / 101.0°
Efficiency	76 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	IR
Required components:	



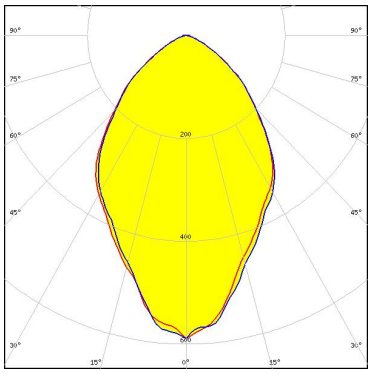
LUMILEDS

LED	LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM	84.0° / 140.0°
Efficiency	73 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMINUS

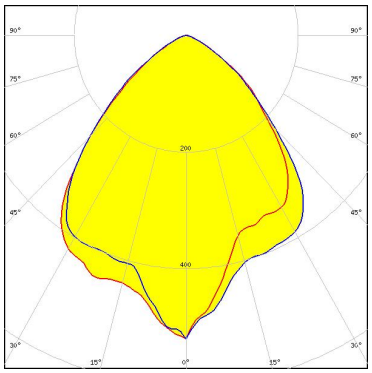
LED	SST-20
FWHM / FWTM	73.0° / 122.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

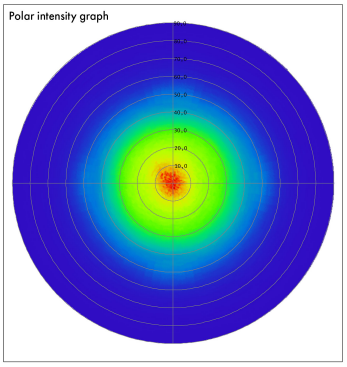
OSRAM
Opto Semiconductors

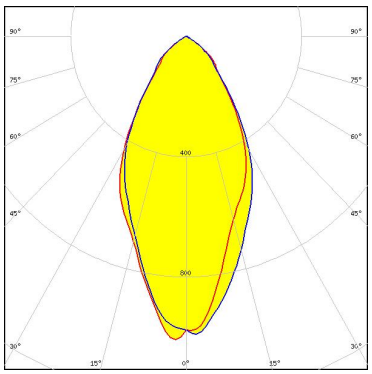
LED	OSLON SSL 120
FWHM / FWTM	86.0° / 123.0°
Efficiency	87 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	Amber
Required components:	



OSRAM
Opto Semiconductors

LED	SFH 4715AS
FWHM / FWTM	52.0° / 102.0°
Efficiency	88 %
LEDs/each optic	1
Light colour	IR
Required components:	





SEOUL SEMICONDUCTOR

LED	Z5
FWHM / FWTM	70.0°
Efficiency	%
LEDs/each optic	1
Light colour	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:

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