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
Colour	black
Box size	
Box weight	1.4 kg
Quantity in Box	2000 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
LISA2-WWW	Lens	PMMA	clear
LISA2-HLD-PIN	Holder	PC	black

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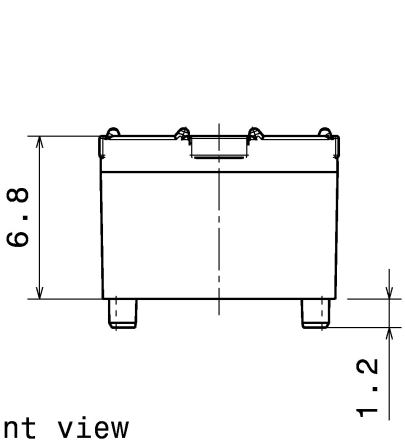
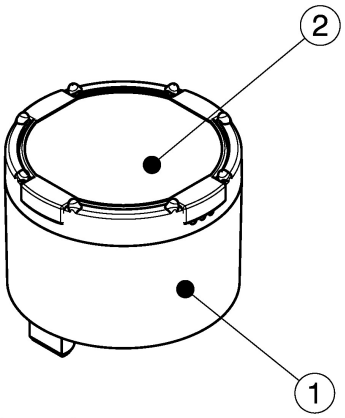
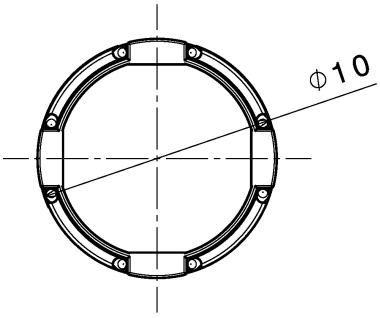


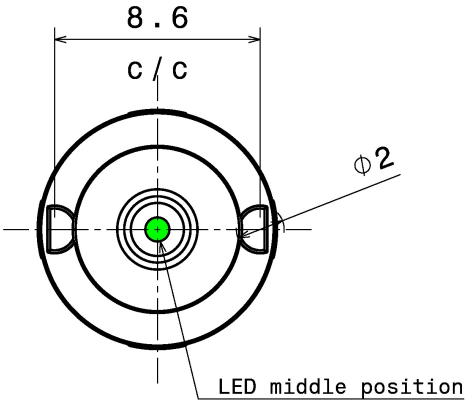
Front view



Isometric view



Top view



Bottom view

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

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SIZE A4 | PART NUMBER -

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

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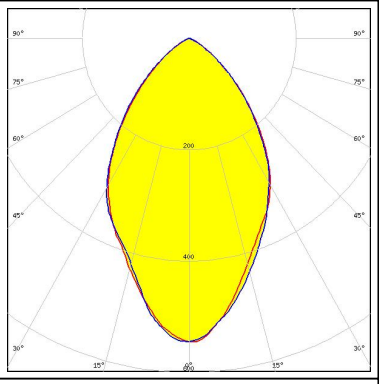
PHOTOMETRIC DATA (MEASURED):

CREE

LED	XB-D
FWHM	73.0°
Efficiency	71 %
Peak intensity	cd/lm
Required components:	

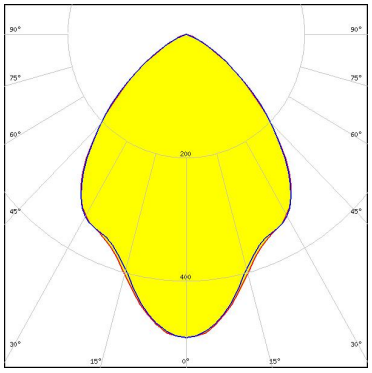
CREE

LED	XD16
FWHM	66.0°
Efficiency	66 %
Peak intensity	0.550 cd/lm
Required components:	



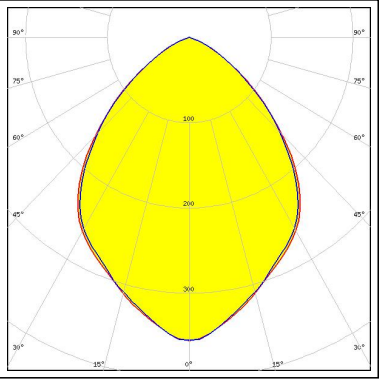
CREE

LED	XP-E
FWHM	84.0°
Efficiency	77 %
Peak intensity	0.500 cd/lm
Required components:	



CREE

LED	XP-G
FWHM	86.0°
Efficiency	75 %
Peak intensity	0.400 cd/lm
Required components:	



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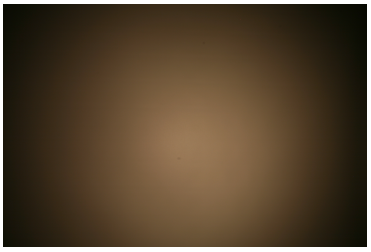
PHOTOMETRIC DATA (MEASURED):

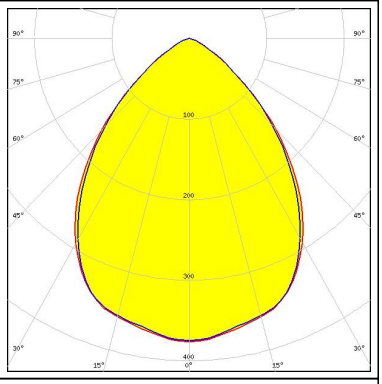
LUMILEDS

LED	LUXEON A
FWHM	86.0°
Efficiency	72 %
Peak intensity	0.300 cd/lm
Required components:	



LUMILEDS

LED	LUXEON Rebel ES
FWHM	88.0°
Efficiency	%
Peak intensity	cd/lm
Required components:	

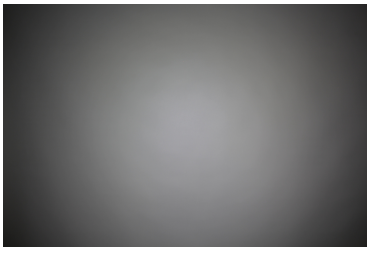


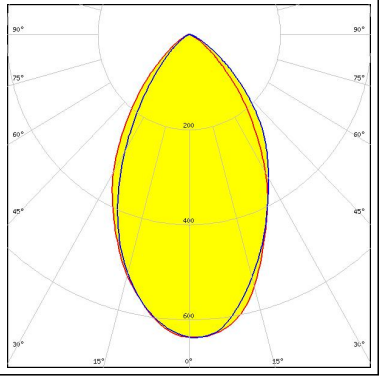
LUMILEDS

LED	LUXEON Z
FWHM	73.0°
Efficiency	75 %
Peak intensity	0.600 cd/lm
Required components:	

SAMSUNG

LED	LH181B
FWHM	62.0°
Efficiency	72 %
Peak intensity	0.640 cd/lm
Required components:	





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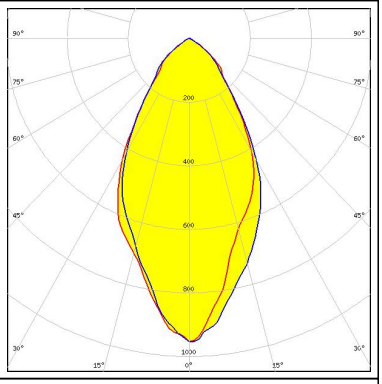
PHOTOMETRIC DATA (SIMULATED):

CREE

LED	XQ-E
FWHM	70.0°
Efficiency	81 %
Peak intensity	0.600 cd/lm
Required components:	

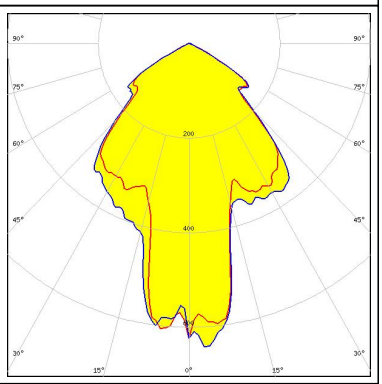
OSRAM
Opto Semiconductors

LED	SFH 4715AS
FWHM	54.0°
Efficiency	88 %
Peak intensity	0.960 cd/lm
Required components:	



OSRAM
Opto Semiconductors

LED	Synios P2720 1 mm
FWHM	74.0°
Efficiency	87 %
Peak intensity	0.660 cd/lm
Required components:	



SEOUL SEMICONDUCTOR

LED	Z5
FWHM	70.0°
Efficiency	%
Peak intensity	cd/lm
Required components:	

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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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LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
www.ledil.com/
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