

LISA2-WW-PIN

~45° wide beam. 6.8 mm high variant with location pin installation.

TECHNICAL SPECIFICATIONS:

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

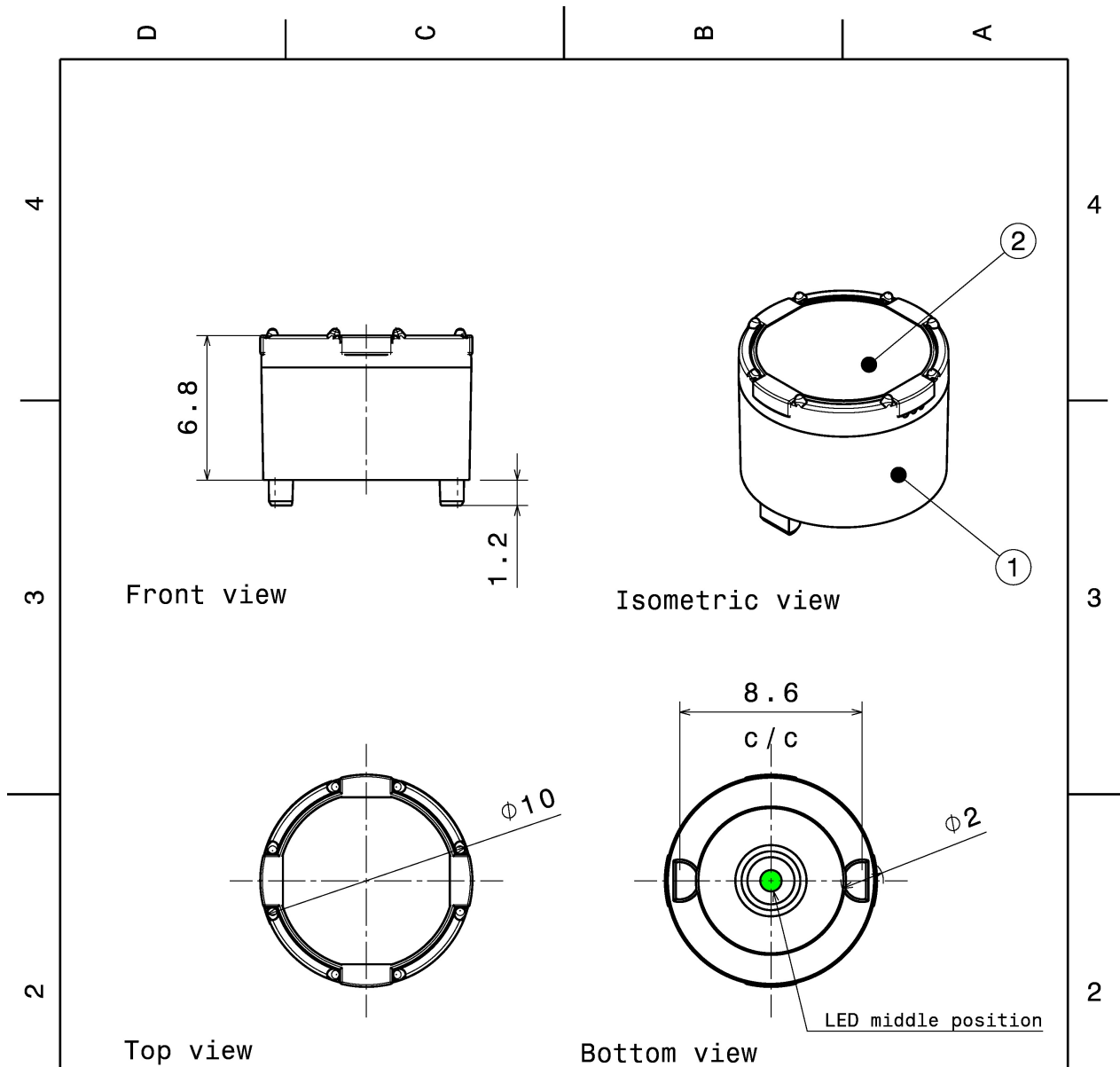


MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP13026_LISA2-WW-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 Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
Lisa2-PIN-XP assembly


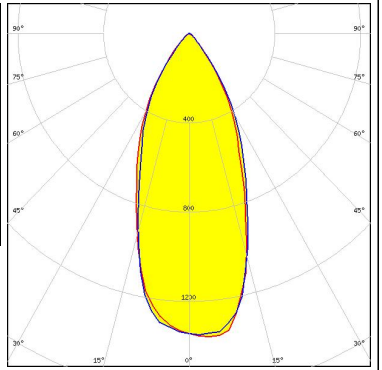

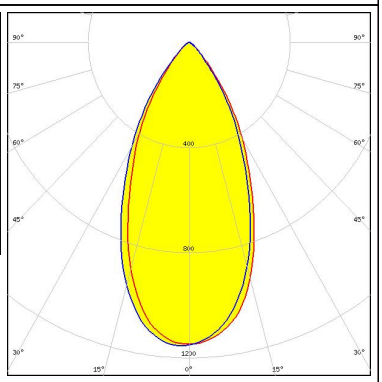

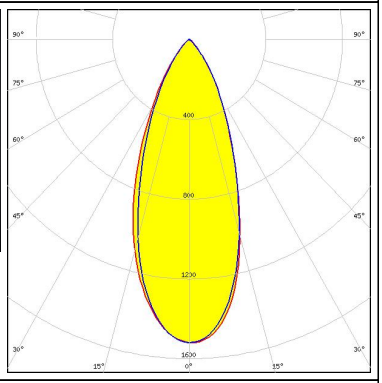

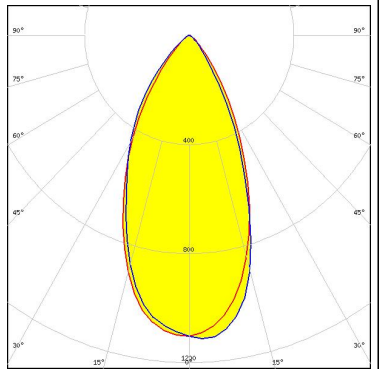
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SIZE	PART NUMBER
A4	-

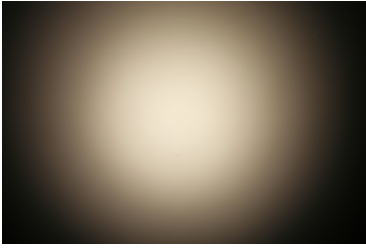
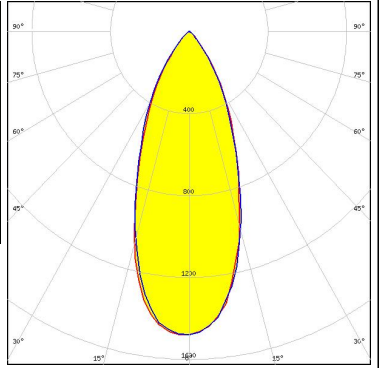

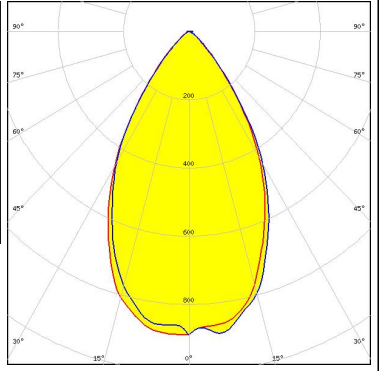
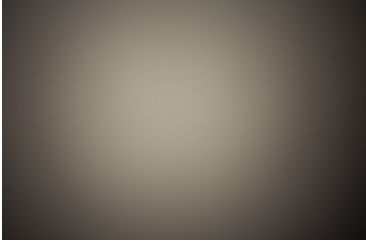
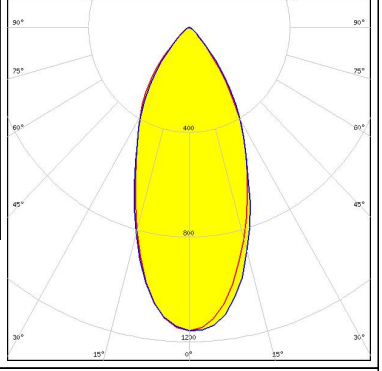


SCALE	4:1	WEIGHT	0,5 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

<p>CREE → LED</p> <p>LED XP-E2 FWHM / FWTM 43.0° / 79.0° Efficiency 88 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XP-G2 FWHM / FWTM 47.0° / 83.0° Efficiency 88 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XP-G3 FWHM / FWTM 42.0° / 76.0° Efficiency 84 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XT-E FWHM / FWTM 47.0° / 82.0° Efficiency 84 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NCSxx19B FWHM / FWTM 41.0° / 78.0° Efficiency 86 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 41.0° / 80.0° Efficiency 85 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLON Square EC FWHM / FWTM 46.0° / 86.0° Efficiency 84 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED SFH 4715S FWHM / FWTM 36.0° / 74.0° Efficiency % LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

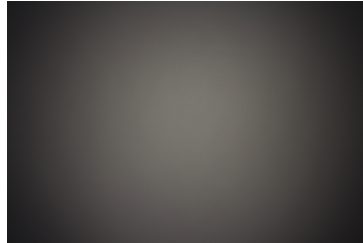
OSRAM

Opto Semiconductors

LED SFH 4725S
FWHM / FWTM 34.0° / 72.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

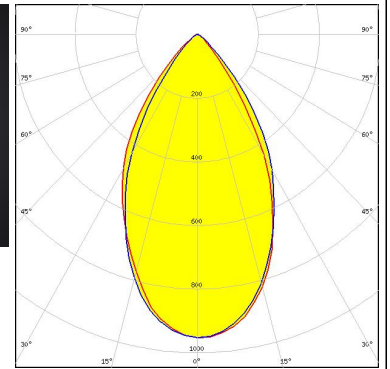
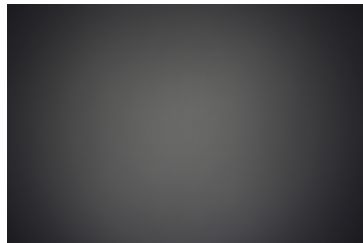
SAMSUNG

LED LH351B
FWHM / FWTM 56.0° / 92.0°
Efficiency 88 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED LH351Z
FWHM / FWTM 60.0° / 91.0°
Efficiency 90 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



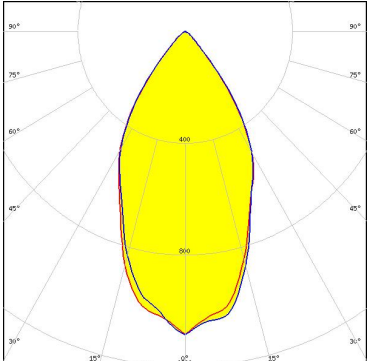
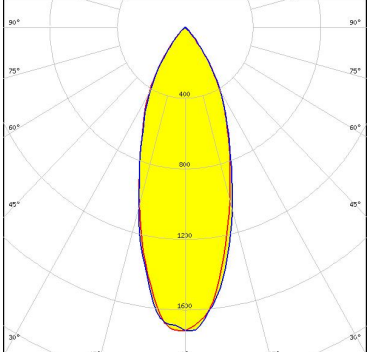
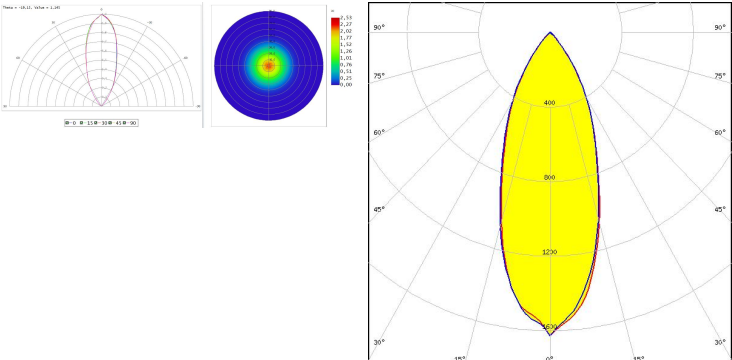
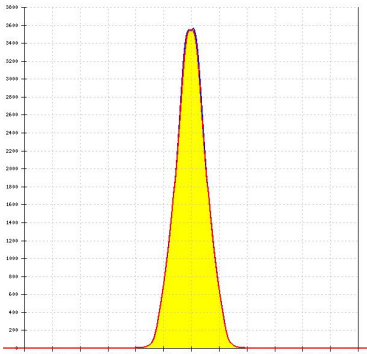
PHOTOMETRIC DATA (SIMULATED):

<p>CREE LED</p> <p>LED: XP-G2 HE FWHM / FWTM: 69.0° / 100.0° Efficiency: 87 % Peak intensity: 0.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON IR 2720 FWHM / FWTM: 31.0° / 70.0° Efficiency: 74 % Peak intensity: 1.7 cd/lm LEDs/each optic: 1 Light colour: IR Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON IR Domed 150 FWHM / FWTM: 60.0° / 90.0° Efficiency: 89 % LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON Q FWHM / FWTM: 54.0° / 84.0° Efficiency: 84 % Peak intensity: 1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON TX FWHM / FWTM: 40.0° / 61.0° Efficiency: 94 % Peak intensity: 2.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMINUS</p> <p>LED: SST-20 FWHM / FWTM: 36.0° / 58.0° Efficiency: 96 % Peak intensity: 2.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED: OSOLON Black FWHM / FWTM: 36.0° / 78.0° Efficiency: 93 % Peak intensity: 1.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED: OSOLON Square CSSRM2/CSSRM3 FWHM / FWTM: 57.0° / 89.0° Efficiency: 92 % Peak intensity: 1.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED: OSLOM SSL 80</p> <p>FWHM / FWTM: 55.0° / 87.0°</p> <p>Efficiency: 91 %</p> <p>Peak intensity: 1.1 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: SFH 4715AS</p> <p>FWHM / FWTM: 36.0° / 75.0°</p> <p>Efficiency: 92 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: SFH 4725AS</p> <p>FWHM / FWTM: 38.0° / 76.0°</p> <p>Efficiency: 91 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: IR</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: SFH 4725S</p> <p>FWHM / FWTM: 27.0° / 52.0°</p> <p>Efficiency: 94 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: IR</p> <p>Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):



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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