

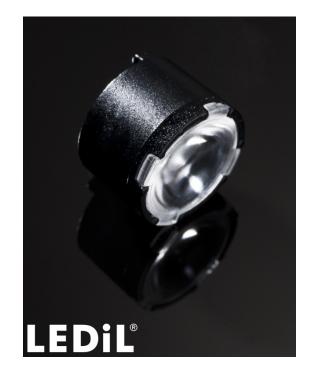
PRODUCT DATASHEET FP10995_LISA2-M-PIN

LISA2-M-PIN

~20° medium beam. 6.8 mm high variant with location pin installation.

TECHNICAL SPECIFICATIONS:

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



MATERIAL SPECIFICATIONS:

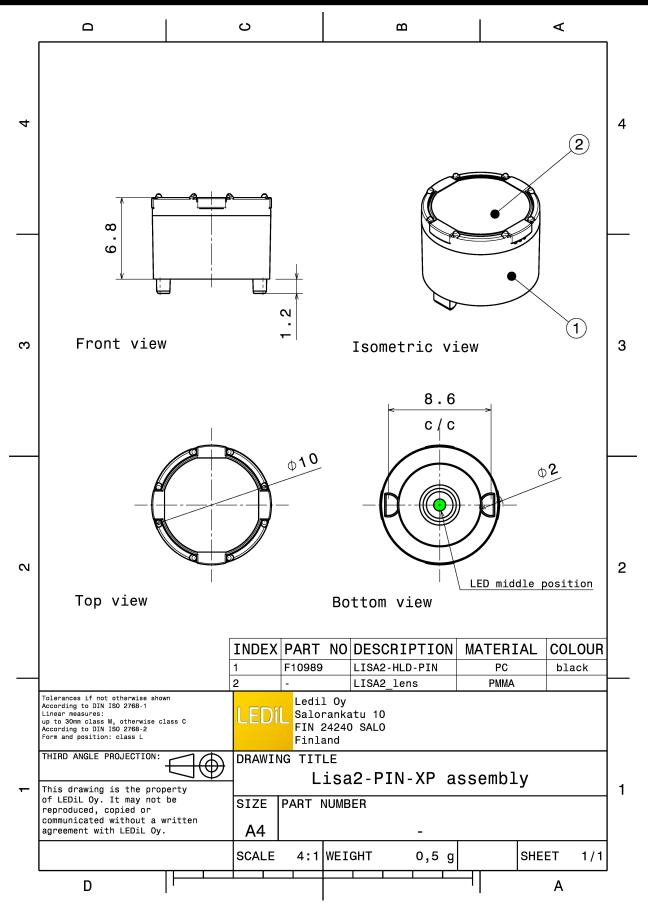
Component	Туре	Material	Colour	Finish
LISA2-M	Single lens	PMMA	clear	
LISA2-HLD-PIN	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP10995_LISA2-M-PIN	Single lens	2000	300	100	1.4
» Box size: 310 x 230 x 60 mm					



PRODUCT DATASHEET FP10995_LISA2-M-PIN



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



ED XB-D White WMM / FVTM 26.0° Bitclency 97 % 'eak intensity 2.7 cd/m EDs/ach optic 1 jitclolou White kequired components: Image: State Stat			
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ED XP-G WHM / FWTM 34.0° / 60.0° Efficiency 91 % Peak intensity 2.2 cd/lm EDs/each optic 1 ight colour White			30° 12° 0° 35° 35°
ED XP-G WHM / FWTM 34.0° / 60.0° Efficiency 91 % Peak intensity 2.2 cd/lm EDs/each optic 1 ight colour White			90 ⁴ 90 ⁵
WHM / FWTM 34.0° / 60.0° Efficiency 91 % Peak intensity 2.2 cd/lm EDs/each optic 1 Light colour White	LED		
Efficiency 91 % Peak intensity 2.2 cd/lm EDs/each optic 1 light colour White			23.
Peak intensity 2.2 cd/lm EDs/each optic 1 ight colour White			
EDs/each optic 1 ight colour White			60° 60°
ight colour White			
			gr
		no.	
30° 200 30° 10° 10° 10°			30° 2450 30° 30°



	5	90 ⁴ 90 ⁹
LED	XQ-E HI	
FWHM / FWTM	20.0° / 43.0 + 42.0°	
Efficiency	85 %	
Peak intensity	4.6 cd/lm	6 ⁰⁴ 500 64
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	200 200 200 200 200 0 ¹ 20 ¹ 20 ¹
		90* 99
LED	XT-E	
FWHM / FWTM	31.0° / 60.0°	
Efficiency	85 %	9 ¹
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour	White	5° ×
Required compone		200 200 200 200 200 200 200 200 200 200
UMIL	EDS	90* 90
LED	LUXEON C	
FWHM / FWTM	24.0° / 46.0°	
Efficiency	89 %	60
Peak intensity	4 cd/lm	
LEDs/each optic	1 White	
Light colour Required compone		20 ¹⁰ 20 ¹⁰ 20 ¹⁰ 20 ¹⁰ 20 ¹⁰
UMIL	EDS	
LED	LUXEON Z	
FWHM / FWTM	19.0° / 41.0°	
Efficiency	86 %	
Peak intensity	5.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	



	EDS		90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Z ES 23.0° / 48.0° 87 % 4 cd/lm 1 White		
ØNICHI/			135 [°] 0 ⁶ 155 [°]
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NCSxE17A 26.0° / 57.0° 74 % 2.4 cd/lm 1 White		97 97 97 97 90 90 90 90 90 90 90 90 90 90 90 90 90
OSRAM			 205 et 205 3
Opto Semiconductors			
LED	SFH 4170S		
FWHM / FWTM	14.0° / 38.0°		
Efficiency LEDs/each optic	% 1		
Light colour	IR		
Required compone			
OSRAM Opto Semiconductors			
LED FWHM / FWTM	SFH 4180S 14.0° / 38.0°		
Efficiency	%		
LEDs/each optic	1		
Light colour	IR		
Required compone			



SAMSI	UNG		90* 90*
LED	LH181B		
FWHM / FWTM	27.0° / 59.0°		23.
Efficiency	74 %		60 ⁶
Peak intensity	2.2 cd/lm		
LEDs/each optic	1		
Light colour	White		43× 45
Required compone	ents:		- 1632
			36* 330 35* 30.
CLIA	00		
SHA	KP		
LED	Double Dome (GM2BB)		
FWHM / FWTM	28.0°		
Efficiency	88 %		
LEDs/each optic	1		
Light colour	White		
Required compone	ents:		



PHOTOMETRIC DATA (SIMULATED):

CREES LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XQ-E HD 27.5° / 63.0° 91 % 3.1 cd/lm 1 White	
LUMILED	LUXEON IR 2720 23.0° / 47.0°	90 ¹ 90 ¹
Efficiency LEDs/each optic Light colour Required components:	91 % 1 IR	200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxE21A 27.0° / 54.0° 86 % 3 cd/lm 1 White	97 97 97 97 90 97 90 97 90 97 97 90 97 97 97 97 97 97 97 97 97 97
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	SFH 4170S 20.0° / 41.0° 79 % 1 IR	



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		59 ⁴ 50 ⁵
LED	SFH 4770S	72 75'
FWHM / FWTM	25.0° / 52.0°	
Efficiency	91 %	
Peak intensity	3.5 cd/lm	
LEDs/each optic	1	
Light colour	White	9° (
Required component	s:	34 ⁴ 25 ⁴ 4 ⁵ 27 ⁴ 27 ⁴



PRODUCT DATASHEET FP10995_LISA2-M-PIN

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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