

PRODUCT DATASHEET FP16558_LISA3-RS-PIN

LISA3-RS-PIN

~15° spot beam with location pin installation

SPECIFICATION:

Dimensions	Ø 10.0 mm
Height	6.9 mm
Fastening	glue
ROHS compliant	yes 🛈



MATERIALS:

Component LISA3-RS LISA3-HLD-PIN

Type Single lens Holder

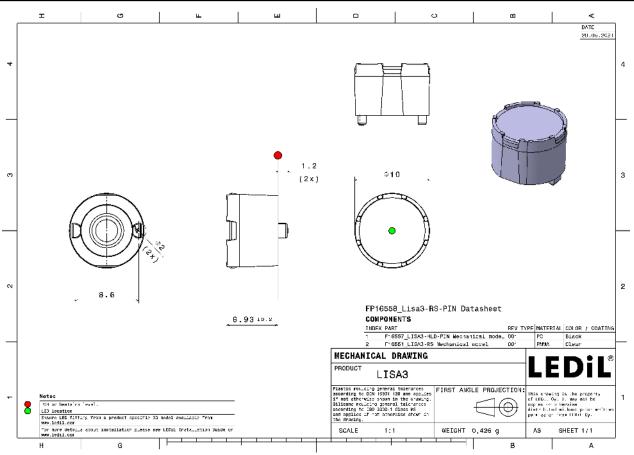
Material	Colour	Finish
PMMA	clear	
PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP16558_LISA3-RS-PIN	Single lens	2000	300	100	1.3
» Box size: 310 x 230 x 60 mm					



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



OPTICAL RESULTS (MEASURED):

LED	- XD16		
FWHM / FWTM	19.0° / 34.0°		
Efficiency	78 %		
Peak intensity	5.4 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required component			
			/ that the
	1		· · · · · · · · · · · · · · · · · · ·
LED	XP-E2		\rightarrow \wedge
FWHM / FWTM	16.0° / 31.0°		
Efficiency	90 %		
Peak intensity	8.1 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required component	nts:		
			17 (/) we
			A
LED	 XP-G3		
LED FWHM / FWTM		1000	
	XP-G3		
FWHM / FWTM	XP-G3 26.0° / 51.0°		
FWHM / FWTM Efficiency	XP-G3 26.0° / 51.0° 84 %		
FWHM / FWTM Efficiency Peak intensity	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm		200 - 200 -
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White		25
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White		25
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White		и ус. и и и и и и и и и и и и
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White nts:		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White hts:		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White hts:		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component LED FWHM / FWTM	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White hts: EDS LUXEON CZ 12.0° / 23.0°		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component LED FWHM / FWTM Efficiency	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White hts: EDS LUXEON CZ 12.0° / 23.0° 89 %		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component LED FWHM / FWTM	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White hts: EDS LUXEON CZ 12.0° / 23.0°		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Component Equired component LED FWHM / FWTM Efficiency Peak intensity	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White hts: EDS LUXEON CZ 12.0° / 23.0° 89 % 14.6 cd/lm		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White hts: EDS LUXEON CZ 12.0° / 23.0° 89 % 14.6 cd/lm 1 White		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White hts: EDS LUXEON CZ 12.0° / 23.0° 89 % 14.6 cd/lm 1 White		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White hts: EDS LUXEON CZ 12.0° / 23.0° 89 % 14.6 cd/lm 1 White		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 26.0° / 51.0° 84 % 3.1 cd/lm 1 White hts: EDS LUXEON CZ 12.0° / 23.0° 89 % 14.6 cd/lm 1 White		



OPTICAL RESULTS (MEASURED):

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MNICHIA		£37	*
LED	NF2x757G		$\Lambda \rightarrow \downarrow$
FWHM / FWTM	25.0° / 52.0°	35	
Efficiency	88 %		
Peak intensity	3.3 cd/lm		
LEDs/each optic	1		- <u>₩</u>
Light colour	White	*	
Required component	nts:		
		1	
ØNICHIA		4.7	
LED	NVSW219F		\wedge
FWHM / FWTM	26.0° / 52.0°	27	
Efficiency	90 %		XXX
Peak intensity	3.2 cd/lm	r X /	
LEDs/each optic	1		
Light colour	White	s	
Required compone			ΛX
		\sim 1	
		2**	e w
OSRAM			
Opto Semiconductors	0500000000000	E.Y.	
Opto Semiconductors	OSCONIQ C 2424		
Opto Semiconductors LED FWHM / FWTM	18.0° / 35.0°		$\Lambda \vdash$
Opto Semiconductors LED FWHM / FWTM Efficiency	18.0° / 35.0° 88 %		$\Lambda \vdash$
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	18.0° / 35.0° 88 % 6.3 cd/lm		Jue w
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	18.0° / 35.0° 88 % 6.3 cd/lm 1		$\Lambda \vdash$
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	18.0° / 35.0° 88 % 6.3 cd/lm 1 White		Jue w
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	18.0° / 35.0° 88 % 6.3 cd/lm 1 White		Jue w
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	18.0° / 35.0° 88 % 6.3 cd/lm 1 White		Jue w
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	18.0° / 35.0° 88 % 6.3 cd/lm 1 White		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	18.0° / 35.0° 88 % 6.3 cd/lm 1 White		Jue w
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	18.0° / 35.0° 88 % 6.3 cd/lm 1 White		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	18.0° / 35.0° 88 % 6.3 cd/lm 1 White nts:		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component OSRAM Opto Semiconductors LED	18.0° / 35.0° 88 % 6.3 cd/lm 1 White hts: OSLON Square CSSRM2/CSSRM3		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM / FWTM	18.0° / 35.0° 88 % 6.3 cd/lm 1 White hts: OSLON Square CSSRM2/CSSRM3 21.0° / 40.0°		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto SERAM Opto SEMICONDUCTORS LED FWHM / FWTM Efficiency	18.0° / 35.0° 88 % 6.3 cd/lm 1 White hts: OSLON Square CSSRM2/CSSRM3 21.0° / 40.0° 88 %		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	18.0° / 35.0° 88 % 6.3 cd/lm 1 White hts: OSLON Square CSSRM2/CSSRM3 21.0° / 40.0° 88 % 4.8 cd/lm		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	18.0° / 35.0° 88 % 6.3 cd/lm 1 White hts: OSLON Square CSSRM2/CSSRM3 21.0° / 40.0° 88 % 4.8 cd/lm 1		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	18.0° / 35.0° 88 % 6.3 cd/lm 1 White hts: OSLON Square CSSRM2/CSSRM3 21.0° / 40.0° 88 % 4.8 cd/lm 1 White		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	18.0° / 35.0° 88 % 6.3 cd/lm 1 White hts: OSLON Square CSSRM2/CSSRM3 21.0° / 40.0° 88 % 4.8 cd/lm 1 White		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	18.0° / 35.0° 88 % 6.3 cd/lm 1 White hts: OSLON Square CSSRM2/CSSRM3 21.0° / 40.0° 88 % 4.8 cd/lm 1 White		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	18.0° / 35.0° 88 % 6.3 cd/lm 1 White hts: OSLON Square CSSRM2/CSSRM3 21.0° / 40.0° 88 % 4.8 cd/lm 1 White		



OPTICAL RESULTS (MEASURED):

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SAMSU	JNG		6.7 Sec. 307
LED	LH351C		
FWHM / FWTM	28.0° / 51.0°		
Efficiency	90 %		XAM
Peak intensity	3.1 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required compone	nts:		
			1 A A A A A A A A A A A A A A A A A A A
etora			2.5 Normal 1997
SEOUL SEMICONDUCTOR			×.
LED	Z5M4		
FWHM / FWTM	29.0° / 51.0°		
Efficiency	89 %		e
Peak intensity	3.1 cd/lm		
LEDs/each optic	1	and the second	
Light colour	White		42 /
Required compone	nts:		



CREE LED	J Series 2835 19.0° / 44.0° 88 % 4.7 cd/lm 1 White	12" 12" 14" 14" 14" 14" 14" 14" 14" 14
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-E 16.0° / 32.0° 91 % 7.8 cd/lm 1 White	
CREEC LED ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 20.0° / 40.0° 89 % 5.3 cd/lm 1 White	
CREE LED ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 27.0° / 57.0° 86 % 2.8 cd/lm 1 White	



CREES LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-P 12.0° / 26.0° 97 % 12.7 cd/lm 1 White	
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XQ-E HI 18.0° / 34.0° 82 % 6.4 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 16.0° / 36.0° 89 % 7 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 16.0° / 32.0° 78 % 6.3 cd/lm 1 Red	



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LED	LUXEON CZ	
FWHM / FWTM	12.0° / 25.0°	
Efficiency	90 %	
Peak intensity	13.4 cd/lm	
LEDs/each optic	1	
Light colour	Red	
Required components:		
	DS	
LED	LUXEON V2	
FWHM / FWTM	22.0° / 51.0°	
Efficiency	90 %	
Peak intensity	3.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
	5	
LED FWHM / FWTM	LUXEON Z 12.0° / 23.0°	m A A A The
Efficiency	87 %	
Peak intensity	13.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		\times $($ \times $)$
		4.5
LED	LUXEON Z ES	
LED FWHM / FWTM	LUXEON Z ES 15.0° / 30.0°	
LED FWHM / FWTM Efficiency	LUXEON Z ES 15.0° / 30.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON Z ES 15.0° / 30.0° 88 % 9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON Z ES 15.0° / 30.0° 88 % 9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES 15.0° / 30.0° 88 % 9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON Z ES 15.0° / 30.0° 88 % 9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES 15.0° / 30.0° 88 % 9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES 15.0° / 30.0° 88 % 9 cd/lm 1	



	US		£.×
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SST-10-B130 19.0° / 36.0° 89 % 6 cd/lm 1 Deep Red		
	US	Polar intensity graph	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	SST-10-IR-B90 17.0° / 38.0° 87 % 1 IR		
	US		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SST-20 20.0° / 40.0° 86 % 5.2 cd/lm 1 White		27
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NCSxx19B 18.0° / 37.0° 84 % 5.9 cd/lm 1 White		8.3 27 27 87 87 87 87 87 87 87 87 87 87 87 87 87



ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 32.0° / 65.0° 84 % 1.9 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxx19B/NVSxx19C 26.0° / 50.0° 85 % 3.3 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxx19B/NVSxx19C 25.0° / 50.0° 85 % 3.5 cd/lm 1 White	
Contractions LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Duris S5 (2 chip) 20.0° / 44.0° 87 % 7.1 cd/lm 1 White	



Corrections LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Duris S5 (Single chip) 20.0° / 43.0° 86 % 4.5 cd/lm 1 White	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ P 3030 14.0° / 30.0° 86 % 8.5 cd/lm 1 White	
Ostra Semiconductors LED FWHM / FWTM	OSCONIQ P 3737 (2W version) 20.0° / 40.0°	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	88 % 5.1 cd/lm 1 White	
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ P 3737 (3W version) 29.0° / 58.0° 88 % 2.5 cd/lm 1 White	



OSDAM		
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	OSLON Boost HX (KW CULPM1.TG) 16.0° / 32.0° 90 % 8.4 cd/lm 1 White	
Required components:		
OSRAM Opto Semiconductors		1.7 A
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	OSLON Signal 14.0° / 29.0° 88 % 9.9 cd/lm 1 White	
Required components:		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	OSLON Square Flat 16.0° / 33.0° 89 % 7.5 cd/lm 1 White	1.7 W
Required components: OSRAM		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON SSL 120 16.0° / 29.0° 90 % 9 cd/lm 1 Hyper Red	



Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON SSL 150 14.5° / 29.0° 88 % 8.7 cd/lm 1 White		
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON SSL 80 15.0° / 31.0° 87 % 7.6 cd/lm 1 White		
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	SFH 4716S 16.0° / 29.0° 86 % 1 IR	Polor intensity groph	ES
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	SFH 4770S 14.0° / 30.0° 87 % 1 IR	Polar intensity graph	



OSRAM		17 J
Opto Semiconductors	Synios P2720 1 mm	
FWHM / FWTM	12.0° / 24.0°	
Efficiency	88 %	XIMANX
Peak intensity	13.6 cd/lm	
LEDs/each optic	1	
Light colour	' Red	
Required components:		
		\sim \sim \sim \sim \sim
OSRAM Opto Semiconductors		a
LED	SYNIOS S2222	A A A
FWHM / FWTM	16.0° / 34.0 + 32.0°	
Efficiency	97 %	
Peak intensity	8.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
сласив	10	
SAMSUN	10	xx
LED	LH351B	
FWHM / FWTM	26.0° / 49.0°	X M * K X
Efficiency	88 %	
Peak intensity	3.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
SAMSUN	IG	
LED	LH351D	
FWHM / FWTM	34.0° / 66.0°	
Efficiency	85 %	
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	X/
Light colour	White	
Required components:		



SAMSUN	IG		w
LED	LM301A		
FWHM / FWTM	14.5° / 33.0°		10
Efficiency	87 %		
Peak intensity	7.1 cd/lm		
LEDs/each optic	1		X / 7 T X X
Light colour	White		
Required components:			
SAMSUN			(13 ⁴ e 14 ⁷
			······································
LED	LM302A		
FWHM / FWTM	16.0° / 40.0° 87 %		
Efficiency Peak intensity	87 % 5.3 cd/lm		5
LEDs/each optic	1		$X \neq h$ $X \propto$
Light colour	' White		u X 1
Required components:	· · · · · · · · · · · · · · · · · · ·		/
LED	Z5M3		
FWHM / FWTM	24.0° / 51.0°		n:
Efficiency	86 %		
Peak intensity	3.3 cd/lm		
LEDs/each optic	1		\times / 7 \times X
Light colour	White		
Required components:			
STANLEY		Polar intensity graph	a
LED	MGN1108MS		
FWHM / FWTM	15.0° / 30.0°		
Efficiency	89 %		
LEDs/each optic	1		$ \times / / \wedge \times$
Light colour	IR		
Required components:			
			$ X V \setminus X$



STANLEY		Polar intensity graph	**
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components	MJN1108MS 15.0° / 31.0° 90 % 1 IR		



PRODUCT DATASHEET FP16558_LISA3-RS-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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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LEDiL Oy

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