

PRODUCT DATASHEET FP16607_LISA3CSP-RS-PIN

LISA3CSP-RS-PIN

~15° spot beam

SPECIFICATION:

Dimensions	Ø 10.0 mm
Height	7.2 mm
Fastening	glue, pin
ROHS compliant	yes 🛈



MATERIALS:

Component LISA3-RS LISA3-HLD2-PIN

Type Single lens Holder

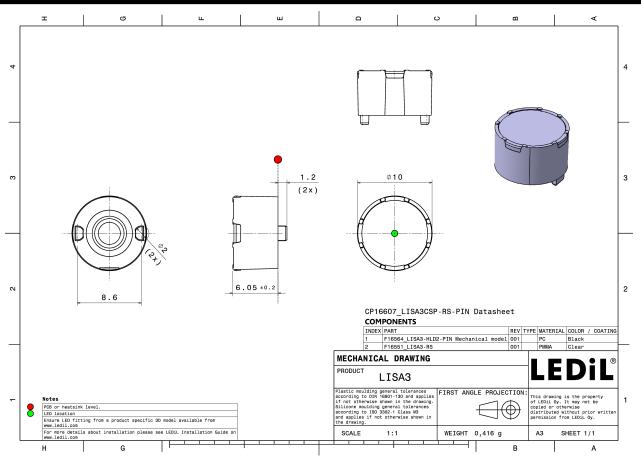
Material	Colour	Finish
PMMA	clear	
PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP16607_LISA3CSP-RS-PIN	Single lens	2000	300	100	1.2
» 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):

bridgelux.		50°	90°
LED	CSP 1111 (BXCP)		
FWHM / FWTM	12.0° / 24.0°	75	
Efficiency	88 %		
Peak intensity	13.6 cd/lm	60 ^{5 -}	
LEDs/each optic	1		6100
Light colour	White	9°	45*
Required compone			1630
			0° 15° 30°
bridgelux.		50°	90*
LED	CSP 1919 (BXCP)		
FWHM / FWTM	18.0° / 34.0°	25	1600
Efficiency	90 %		
Peak intensity	6.9 cd/lm		$\times / \times / \times$
LEDs/each optic	1		3200
Light colour	White	9°*	65*
Required compone	nts:		
			6430
		30%	36*
			0° 15°
bridgelux.		30,	90°
bridgelux. LED	CSP 2323 (BXCP)	50* 	50*
	CSP 2323 (BXCP) 22.0° / 42.0°	50* 75	97
LED		99* 75*	997 100 (47
LED FWHM / FWTM	22.0° / 42.0°	99* 75- 60*	100 107
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 42.0° 90 %	99* 72* 94	500 Pr
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 42.0° 90 % 4.9 cd/lm 1 White	50 ⁴ 75 60 60	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 42.0° 90 % 4.9 cd/lm 1 White	50 ⁴	30° 200 220
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 42.0° 90 % 4.9 cd/lm 1 White	90 ⁴ 75 51	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 42.0° 90 % 4.9 cd/lm 1 White	99 ⁴ 75 94 97	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 42.0° 90 % 4.9 cd/lm 1 White	99* 75* 94 94 94	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	22.0° / 42.0° 90 % 4.9 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	22.0° / 42.0° 90 % 4.9 cd/lm 1 White nts:	99 ³	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	22.0° / 42.0° 90 % 4.9 cd/lm 1 White nts: CSP 2727 (BXCP)		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone bridgelux LED FWHM / FWTM	22.0° / 42.0° 90 % 4.9 cd/lm 1 White nts: CSP 2727 (BXCP) 26.0° / 51.0°	50°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone bridgeLux. LED FWHM / FWTM Efficiency	22.0° / 42.0° 90 % 4.9 cd/lm 1 White nts: CSP 2727 (BXCP) 26.0° / 51.0° 90 %	50°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone bridgelux. LED FWHM / FWTM Efficiency Peak intensity	22.0° / 42.0° 90 % 4.9 cd/lm 1 White nts: CSP 2727 (BXCP) 26.0° / 51.0° 90 % 3.2 cd/lm	50°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 42.0° 90 % 4.9 cd/lm 1 White nts: CSP 2727 (BXCP) 26.0° / 51.0° 90 % 3.2 cd/lm 1	50°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 42.0° 90 % 4.9 cd/lm 1 White nts: CSP 2727 (BXCP) 26.0° / 51.0° 90 % 3.2 cd/lm 1 White	50°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 42.0° 90 % 4.9 cd/lm 1 White nts: CSP 2727 (BXCP) 26.0° / 51.0° 90 % 3.2 cd/lm 1 White	50°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 42.0° 90 % 4.9 cd/lm 1 White nts: CSP 2727 (BXCP) 26.0° / 51.0° 90 % 3.2 cd/lm 1 White	50°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 42.0° 90 % 4.9 cd/lm 1 White nts: CSP 2727 (BXCP) 26.0° / 51.0° 90 % 3.2 cd/lm 1 White	50°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 42.0° 90 % 4.9 cd/lm 1 White nts: CSP 2727 (BXCP) 26.0° / 51.0° 90 % 3.2 cd/lm 1 White	50°	



OPTICAL RESULTS (MEASURED):

N	_		
ØNICHI/			90° 90°
LED	NCSxE17A		
FWHM / FWTM	16.0° / 31.0°		
Efficiency	89 %		60 ⁵ 60 ⁶
Peak intensity	8.4 cd/lm		3200
LEDs/each optic	1		
Light colour	White		g*
Required compone	ents:		
			octeo
			150 00 150
ØNICHI/	Ν		90° 50°
LED	NVSxE21A		
FWHM / FWTM	21.0° / 39.0°		$\uparrow \land \land \land \uparrow$
Efficiency	89 %		60° 1600 60°
Peak intensity	5.3 cd/lm		
LEDs/each optic	1		
Light colour	White		95°
Required compone	ents:		
			\times
			4010
			30° 30°
			139 00 139
SAMSI	UNU		90° 90°
	LH151B		90* 90*
		1.000	73°
LED	LH151B		80 26 26 26 26 26 26 26 26 26 26 26 26 26
LED FWHM / FWTM	LH151B 16.0° / 31.0°		64 500 50°
LED FWHM / FWTM Efficiency	LH151B 16.0° / 31.0° 89 %		64 200 64 24 200 200 200
LED FWHM / FWTM Efficiency Peak intensity	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm		91 ⁴ 91 ⁴ 91 ⁴ 91 ⁴ 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White		71 72 72 G1 200 62 G2 62
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White		94 99 77 64 200 64 500 65
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White		71 72 72 G1 200 62 G2 62
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White		71 72 72 G1 200 62 G2 62
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White ents:		500 510 510 510 510 510 510 510 510 510
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White ents:		71 72 72 G1 200 62 G2 62
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White ents: UNG LH181B 22.0° / 42.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White ents: UNC LH181B 22.0° / 42.0° 89 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White ents: UNG LH181B 22.0° / 42.0° 89 % 4.6 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White ents: UNG LH181B 22.0° / 42.0° 89 % 4.6 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White ents: UNG LH181B 22.0° / 42.0° 89 % 4.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White ents: UNG LH181B 22.0° / 42.0° 89 % 4.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White ents: UNG LH181B 22.0° / 42.0° 89 % 4.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White ents: UNG LH181B 22.0° / 42.0° 89 % 4.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 16.0° / 31.0° 89 % 8.3 cd/lm 1 White ents: UNG LH181B 22.0° / 42.0° 89 % 4.6 cd/lm 1 White		



OPTICAL RESULTS (SIMULATED):

	S S	90* 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CSP HL1 13.0° / 26.0 + 25.0° 95 % 11.9 cd/lm 1 White	я с с с с с с с с с с с с с с с с с с с
	S	50° 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL1Z 14.0° / 29.0° 90 % 9.2 cd/lm 1 White	71 72 (41 00 00 (410 00 (410 00)
		20 ² 20 ² 0 ² 10 ² 20 ²
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2Z 20.0° / 42.0° 91 % 4.9 cd/lm 1 White	27 e e 200 200 200 200 200 200 20
NICHIA LED FWHM / FWTM	NFSWE11A	20
EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 25.0° 84 % 11.9 cd/lm 1 White	
		20° 130° 130° 13°



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OPTICAL RESULTS (SIMULATED):

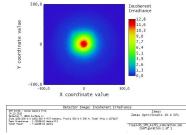
OS	R	A	M
Opto Sem	nico	nduc	tors

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSCONIQ C 2424 18.0° / 38.0° 90 % 5.8 cd/lm 1 White



OSRAM Opto Semiconductore

LED	SFH 4170S
FWHM / FWTM	16.0°
Efficiency	76 %
LEDs/each optic	1
Light colour	IR
Required components:	



SAMSUN	IG	90° 90°
LED	LM101B	245
FWHM / FWTM	14.0° / 30.0°	
Efficiency	89 %	50°
Peak intensity	8.8 cd/lm	
LEDs/each optic	1	
Light colour	White	\$7° \$330 \$2°
Required components:		
		30° 25° 0° 35°
SEOUL		90° 90°
	70/44	
	Z8Y11	70
FWHM / FWTM	16.0° / 30.0°	
Efficiency	81 % 7.0 st//	60° 60°
Peak intensity	7.9 cd/lm	\times / 7 \wedge \times
LEDs/each optic	1 White	gr
Light colour Required components:	White	
		31 ⁴ 000 31



OPTICAL RESULTS (SIMULATED):

SEOUL SEOUL SEMICONDUCTOR		90 ⁴ 95 ⁵
LED	Z8Y15	70
FWHM / FWTM	15.5° / 31.0°	71
Efficiency	86 %	61*
Peak intensity	7.2 cd/lm	
LEDs/each optic	1	
Light colour	White	e.
Required component	S:	
		600
		······································