

PRODUCT DATASHEET FP16563_LISA3-O-PIN

LISA3-O-PIN

 ${\sim}15^\circ\ x\ 50^\circ$ oval beam with location pin installation

SPECIFICATION:

Dimensions	Ø 10.0 mm
Height	7.9 mm
Fastening	glue
ROHS compliant	yes 🕕



MATERIALS:

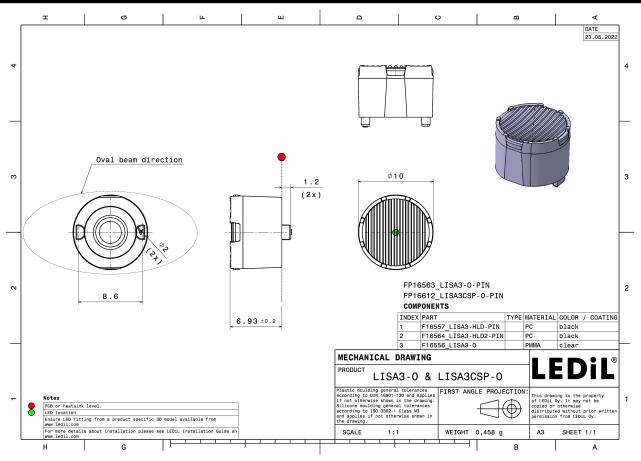
Component	Туре	Material	Colour	Finish
LISA3-O	Single lens	PMMA	clear	
LISA3-HLD-PIN	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP16563_LISA3-O-PIN	Single lens	2000	300	100	1.3
» Box size: 310 x 230 x 60 mm					



PRODUCT DATASHEET FP16563_LISA3-O-PIN



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



OPTICAL RESULTS (MEASURED):

		30° 90°
LED	XD16	
FWHM / FWTM	45.0 + 20.0° / 78.0 + 43.0°	75° 75°
Efficiency	65 %	
Peak intensity	1.9 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	
Light colour	White	43 ⁴ 43*
Required compone		
		1530
		30°
		15° 2000 15°
		90° 90°
LED	XP-E2	
FWHM / FWTM	48.0 + 20.0° / 79.0 + 41.0°	73.
Efficiency	78 %	
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour	White	9° (5°
Required compone	nts:	1500
		30° 30° 30°
	EDS	20) 20 90* 90* 90*
LED	LUXEON CZ	
FWHM / FWTM	49.0 + 14.0° / 76.0 + 31.0°	 73'
Efficiency	76 %	
Peak intensity	3.1 cd/lm	
LEDs/each optic	1	
Light colour	White	g5* () () () () () () () () () (
Required compone	nts:	
		3430
		\times / \times / \times /
		30* 3250 30*
ØNICHI/		90° 90°
LED	- NF2x757G	
FWHM / FWTM	33.0° / 64.0°	75* 75*
Efficiency		400
	bb %	
Peak intensity	66 % 1.6 cd/lm	
Peak intensity LEDs/each optic	1.6 cd/lm	
LEDs/each optic	1.6 cd/lm 1	g
LEDs/each optic Light colour	1.6 cd/lm 1 White	e.
LEDs/each optic	1.6 cd/lm 1 White	
LEDs/each optic Light colour	1.6 cd/lm 1 White	e.
LEDs/each optic Light colour	1.6 cd/lm 1 White	e.



OPTICAL RESULTS (MEASURED):

ØNICHI		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F 45.0 + 29.0° / 81.0 + 58.0° 77 % 1.6 cd/lm 1 White	
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	OSCONIQ C 2424 44.0 + 20.0° / 77.0 + 43.0° 74 % 2.2 cd/lm 1 White ents:	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square CSSRM2/CSSRM3 46.0 + 24.0° / 80.0 + 50.0° 75 % 1.8 cd/lm 1 White ents:	
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351C 45.0 + 28.0° / 81.0 + 59.0° 77 % 1.6 cd/lm 1 White	

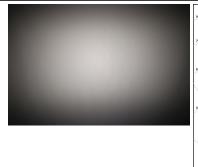


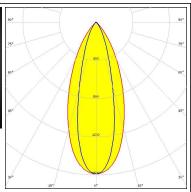
OPTICAL RESULTS (MEASURED):

SEOUL
SEOUL SEMICONDUCTOR
LED

LED 25 FWHM / FWTM 44 Efficiency 75 Peak intensity 1.1 LEDs/each optic 1 Light colour W Required components:

Z5M4 44.0 + 28.0° / 81.0 + 59.0° 75 % 1.6 cd/lm 1 White







r		
		50* 50*
LED	J Series 2835	
FWHM / FWTM	46.0 + 22.0° / 78.0 + 48.0°	25*
Efficiency	81 %	
Peak intensity	2 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	u White	45* 45*
Required components:	White	
Required components.		1630
		36° 35° 36°
		90 ⁴ 90 ⁴
LED	J Series 2835	
FWHM / FWTM	48.0 + 20.0° / 78.0 + 44.0°	73.
Efficiency	82 %	
Peak intensity	2.2 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	gr
Required components:		
		1600
		36° 30° 30°
L		
		90° 901
	XP-F	
LED	XP-E 17.0 + 48.0° / 36.0 + 74.0°	97 75 75
LED FWHM / FWTM	17.0 + 48.0° / 36.0 + 74.0°	
LED FWHM / FWTM Efficiency	17.0 + 48.0° / 36.0 + 74.0° 85 %	
LED FWHM / FWTM Efficiency Peak intensity	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm	73 99 99 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm	200 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1	200 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1	55 57 57 61 62 62 62 62 62 62 62 62 62 62 62 62 62
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1	55 57 57 61 62 62 62 62 62 62 62 62 62 62 62 62 62
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1	25 60 60 200 213
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1	y, y
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1 White	200 6° 10° 10° 10° 10° 10° 10° 10° 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1 White	200 6° 10° 10° 10° 10° 10° 10° 10° 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1 White XP-G2 46.0 + 22.0° / 78.0 + 46.0°	57 69 69 69 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: LED FWHM / FWTM Efficiency	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1 White XP-G2 46.0 + 22.0° / 78.0 + 46.0° 83 %	200 6° 10° 10° 10° 10° 10° 10° 10° 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: LED FWHM / FWTM Efficiency Peak intensity	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1 White XP-G2 46.0 + 22.0° / 78.0 + 46.0° 83 % 2.3 cd/lm	55 69 69 69 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1 White XP-G2 46.0 + 22.0° / 78.0 + 46.0° 83 % 2.3 cd/lm 1	57 69 69 69 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1 White XP-G2 46.0 + 22.0° / 78.0 + 46.0° 83 % 2.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1 White XP-G2 46.0 + 22.0° / 78.0 + 46.0° 83 % 2.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1 White XP-G2 46.0 + 22.0° / 78.0 + 46.0° 83 % 2.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1 White XP-G2 46.0 + 22.0° / 78.0 + 46.0° 83 % 2.3 cd/lm 1	



		90* 90*
LED	XP-G2 HE	
FWHM / FWTM	46.0 + 29.0° / 84.0 + 61.0°	<u>16.</u>
Efficiency	77 %	400
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 45*
Required components:		
		1230
		30* 160 30*
		20,00 15% 0 ⁶ 35%
		90* 90*
LED	XP-G3	
FWHM / FWTM	44.0 + 29.0° / 81.0 + 59.0°	75,
Efficiency	73 %	
Peak intensity	1.5 cd/lm	\sim \sim \sim \sim \sim
LEDs/each optic	1	
Light colour	White	42. 42.
Required components:		
		1200
		30* 32*
		150 0° 15°
	DS S	90* 90*
LED	LUXEON HL2X	
FWHM / FWTM	44.0 + 25.0° / 80.0 + 53.0°	25* 25*
Efficiency	81 %	50°
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	45 ¹ 1230 45 ²
Required components:		
		30* 2000 30*
		15% 00 25*
	05	90* 90*
LED	LUXEON TX	73*
FWHM / FWTM	22.0 + 46.0° / 46.0 + 80.0°	$\Gamma \land / \land \land$
Efficiency	80 %	60°
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	65* 65*
Required components:		1620
		30.0
		15° 0° 15°



	DS	90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0° 83 % 1.9 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20 20 20 20 2
)S	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Z 12.0 + 50.0° / 25.0 + 74.0° 84 % 3.3 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
	5	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Z ES 17.0 + 49.0° / 34.0 + 76.0° 84 % 2.7 cd/lm 1 White	20° 0° 0° 0° 0° 0° 3° 0° 0° 0° 0° 6° 0° 0° 0° 8° 0° 0° 0° 0° 8° 0° 0° 0° 0° 0° 8° 0° 0° 0° 0° 0° 0° 0° 8° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0°
	US	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SST-20 48.0 + 20.0° / 78.0 + 41.0° 81 % 2.2 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20 20 20 20 2



Г		
MICHIΛ		90* 90*
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	25.0 + 45.0° / 52.0 + 81.0°	75* 75*
Efficiency	78 %	
Peak intensity	1.8 cd/lm	60°
LEDs/each optic	1	
Light colour	White	er
Required components:		120
		1630
		300 300
		153 00 353
OSRAM Opto Semiconductors		90* 90*
LED	Duris S5 (2 chip)	
FWHM / FWTM	20.0 + 45.0° / 40.0 + 75.0°	
Efficiency	80 %	60* 000
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	43° 43°
Required components:		
		30* 30?
OSRAM		
OSRAM Opto Semiconductors		50° - 50°
LED	Duris S5 (Single chip)	25
LED FWHM / FWTM	19.0 + 45.0° / 40.0 + 75.0°	25 25 25 25 25 25 25
LED FWHM / FWTM Efficiency	19.0 + 45.0° / 40.0 + 75.0° 79 %	
LED FWHM / FWTM Efficiency Peak intensity	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1	5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1	99* 97* 99* 99* 99* 99*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1	99 ⁴ 99 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1 White OSCONIQ P 3030 50.0 + 17.0° / 75.0 + 34.0°	250 25 ⁴ 25 ⁴ 25 ⁴ 25 ⁴ 25 ⁴ 25 ⁴ 25 ⁴ 25 ⁴ 25 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1 White OSCONIQ P 3030 50.0 + 17.0° / 75.0 + 34.0° 79 %	94 250 250 250 250 250 250 250 250
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Optis Semiconductors LED FWHM / FWTM Efficiency Peak intensity	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1 White OSCONIQ P 3030 50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm	250 25 ⁴ 25 ⁴ 25 ⁴ 25 ⁴ 25 ⁴ 25 ⁴ 25 ⁴ 25 ⁴ 25 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1 White OSCONIQ P 3030 50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1	59 ⁴ 10 ⁹ 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1 White OSCONIQ P 3030 50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm	2500 2500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1 White OSCONIQ P 3030 50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1	59 ⁴ 10 ² 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1 White OSCONIQ P 3030 50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1	50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	19.0 + 45.0° / 40.0 + 75.0° 79 % 2.1 cd/lm 1 White OSCONIQ P 3030 50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1	59 ⁴ 10 ² 10



OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON SSL 150 16.5 + 48.0° / 36.0 + 76.0° 83 % 2.8 cd/lm 1 White		50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
OSRAM			50° 90*
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON SSL 80 16.0 + 45.0° / 38.0 + 72.0° 81 % 2.8 cd/lm 1 White		27
OSRAM Opto Berniconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	SFH 4716S 48.0 + 17.0° / 75.0 + 32.0° 82 % 1 IR	Polar intensity graph	97* 97 97 97 97 160 160 98 97 97 97 97 97 97 97 97 97 97 97 97 97
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SYNIOS S2222 50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1 White		120 00 130 20. 5020 62. 20. 5020 62. 20. 5020 62. 20. 5020 62. 20. 5020 63. 20. 5000 63. 20. 50. 50. 20. 50. 50.



0.0.0.0.0.0	10	
	LH351B	90* 90*
FWHM / FWTM	44.0 + 24.0° / 80.0 + 48.0°	75*
Efficiency	81 %	
Peak intensity	2 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	gr dr
Required components:		300
SAMSUN	IG	90° 90° 35°
LED FWHM / FWTM	LM101B 14.5 + 50.0° / 29.0 + 72.0°	75
Efficiency	14.5 + 50.0° / 29.0 + 72.0° 81 %	
Peak intensity	2.7 cd/lm	60° × 60°
LEDs/each optic	1	1679
Light colour	White	ar ar
Required components:		
		2000
		30° 30°
СЛВЛСИВ		0° 35°
SAMSUN	10	50°
LED	LM301A	75
FWHM / FWTM	16.0 + 50.0° / 40.0 + 75.0°	
Efficiency		
	81 %	60° 60°
Peak intensity	2.4 cd/lm	
Peak intensity LEDs/each optic	2.4 cd/lm 1	
Peak intensity LEDs/each optic Light colour	2.4 cd/lm	97
Peak intensity LEDs/each optic	2.4 cd/lm 1	9/2 (c)
Peak intensity LEDs/each optic Light colour	2.4 cd/lm 1	9/2 (c)
Peak intensity LEDs/each optic Light colour	2.4 cd/lm 1	9/2 (c)
Peak intensity LEDs/each optic Light colour Required components:	2.4 cd/lm 1	97
Peak intensity LEDs/each optic Light colour Required components:	2.4 cd/lm 1	6)2 (c)
Peak intensity LEDs/each optic Light colour Required components: seoul semiconouctor	2.4 cd/lm 1 White	20, 20,
Peak intensity LEDs/each optic Light colour Required components:	2.4 cd/lm 1	97
Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED	2.4 cd/lm 1 White Z5M1/Z5M2	<u>an</u> ,
Peak intensity LEDs/each optic Light colour Required components: seoul semiconouctor LED FWHM / FWTM	2.4 cd/lm 1 White Z5M1/Z5M2 46.0 + 22.0° / 80.0 + 47.0°	<u>an</u> ,
Peak intensity LEDs/each optic Light colour Required components: seour semconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	2.4 cd/lm 1 White Z5M1/Z5M2 46.0 + 22.0° / 80.0 + 47.0° 83 %	
Peak intensity LEDs/each optic Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	2.4 cd/m 1 White Z5M1/Z5M2 46.0 + 22.0° / 80.0 + 47.0° 83 % 2.1 cd/m	200 200 200 200 200 200 200 200
Peak intensity LEDs/each optic Light colour Required components: seour semconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	2.4 cd/lm 1 White Z5M1/Z5M2 46.0 + 22.0° / 80.0 + 47.0° 83 % 2.1 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	2.4 cd/lm 1 White Z5M1/Z5M2 46.0 + 22.0° / 80.0 + 47.0° 83 % 2.1 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components: seous semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	2.4 cd/lm 1 White Z5M1/Z5M2 46.0 + 22.0° / 80.0 + 47.0° 83 % 2.1 cd/lm 1	64 900 65 65 900 65 66 900 95 96 900 95 96 900 95 96 900 95 96 900 95 96 900 95 96 900 95 96 900 96 96 900 96 96 900 96 96 900 96 96 900 96 96 900 96 96 900 96 96 900 96 96 900 96 96 900 96 96 900 96 97 96 96 96 96 96



LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	FWR1108MS 48.0 + 20.0° / 76.0 + 40.0° 84 % 1 IR	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	MFN1108MS 50.0 + 14.0° / 72.0 + 37.0° 84 % 2.9 cd/lm 1 IR	50 50 50 50 50 50 50 50 50 50
STANLEY LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	MGN1108MS 50.0 + 14.0° / 72.0 + 36.0° 84 % 3 cd/lm 1 IR	200 200 200 200 200 200 200 200
ED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	MJN1108MS 48.0 + 19.0° / 76.0 + 39.0° 85 % 1 IR	22, 0, 22, 9, 2, 0, 22, 9, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,



PRODUCT DATASHEET FP16563_LISA3-O-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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