

PRODUCT DATASHEET FP16563_LISA3-O-PIN

LISA3-O-PIN

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

TECHNICAL SPECIFICATIONS:

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



MATERIAL SPECIFICATIONS:

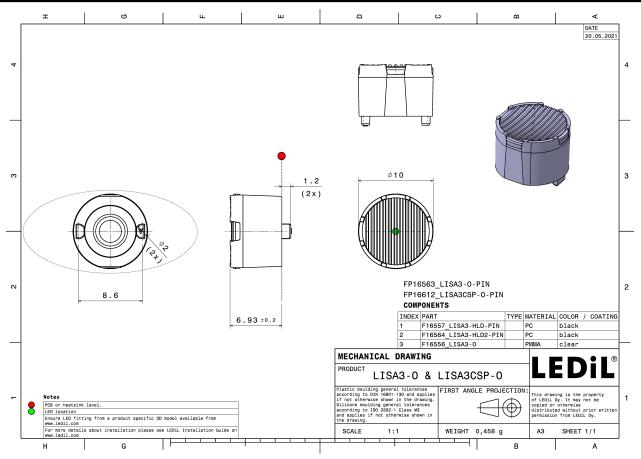
Component	Туре	Material	Colour	Finish
LISA3-O	Single lens	PMMA	clear	
LISA3-HLD-PIN	Holder	PC	black	

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



PHOTOMETRIC DATA (MEASURED):

ØNICHI/	N Contraction of the second se		80*	90°
LED	NF2x757G		78.	75
FWHM / FWTM	33.0° / 64.0°		400	
Efficiency	66 %		60°	60.
Peak intensity	1.6 cd/lm			
LEDs/each optic	1			$ \land \lor$
Light colour	White		634	
Required compone	ents:		1220	
			15° 0°	12.



CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	J Series 2835 48.0 + 20.0° / 78.0 + 44.0° 82 % 2.2 cd/lm 1 White	51 ⁴ 52 ⁵ 60 ⁴ 60 ⁴ 72 ⁵ 1000 1000 1000 1000 1000
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XD16 18.0 + 48.0° / 36.0 + 76.0° 75 % 2.1 cd/lm 1 White	30 ⁴ 000 00 91 ⁴ 000 00 91 ⁴ 000 00 91 ⁴ 000 00 91 ⁴ 00
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-E 17.0 + 48.0° / 36.0 + 74.0° 85 % 2.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-E2 16.0 + 48.0° / 35.0 + 76.0° 84 % 2.8 cd/lm 1 White	100 100 90* 90* 90* 90* 90* 1000 90* 90* 90* 1000 90* 90* 90* 1000 90* 90* 90* 1000 90* 90* 90* 1000 90* 1000 90* 90* 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 90* 1000 <t< td=""></t<>



	XP-G2 HE	9°
FWHM / FWTM	46.0 + 29.0° / 84.0 + 61.0°	
Efficiency	77 %	400
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	200
Light colour	White	gr dr.
Required components:		
		1230
		30° 30°
		15° 0° 15°
	95	90* 90*
LED	LUXEON TX	75"
FWHM / FWTM	22.0 + 46.0° / 46.0 + 80.0°	
Efficiency	80 %	60°
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	g,
Required components:		
		- 1000
		30"
)S	
		90 ⁺ 90 ⁺
LED	LUXEON V2	22. 23. 26. 26. 27. 6. 27. 26. 26. 26. 26. 26. 26. 26. 26. 26. 26
LED FWHM / FWTM	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0°	25° - 25° -
LED FWHM / FWTM Efficiency	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0° 83 %	60 60° 30° 30° 30° 30° 30° 30° 30° 30°
LED FWHM / FWTM Efficiency Peak intensity	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0° 83 % 1.9 cd/m	25° 0° 25° 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0° 83 % 1.9 cd/lm 1	60.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0° 83 % 1.9 cd/m	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0° 83 % 1.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0° 83 % 1.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0° 83 % 1.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0° 83 % 1.9 cd/lm 1	
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	60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
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	201 201 201 201 201 201 201 201
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	201 201 201 201 201 201 201 201
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 S LUXEON Z 12.0 + 50.0° / 25.0 + 74.0°	201 201 201 201 201 201 201 201
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 S LUXEON Z 12.0 + 50.0° / 25.0 + 74.0° 84 %	201 201 201 201 201 201 201 201
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 S LUXEON Z 12.0 + 50.0° / 25.0 + 74.0°	201 201 201 201 201 201 201 201
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0° 83 % 1.9 cd/lm 1 White S LUXEON Z 12.0 + 50.0° / 25.0 + 74.0° 84 % 3.3 cd/lm 1	201 201 201 201 201 201 201 201
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0° 83 % 1.9 cd/lm 1 White S LUXEON Z 12.0 + 50.0° / 25.0 + 74.0° 84 % 3.3 cd/lm	201 201 201 201 201 201 201 201
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0° 83 % 1.9 cd/lm 1 White S LUXEON Z 12.0 + 50.0° / 25.0 + 74.0° 84 % 3.3 cd/lm 1	90° (0° 90° (0° 90° (0° 90° (0° 90° (0°) (0° 90° (0°) (0° 90° (0°) (0° 90° (0°) (0°) (0°) (0°) (0°) (0°) (0°) (0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0° 83 % 1.9 cd/lm 1 White S LUXEON Z 12.0 + 50.0° / 25.0 + 74.0° 84 % 3.3 cd/lm 1	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON V2 25.0 + 47.0° / 53.0 + 81.0° 83 % 1.9 cd/lm 1 White S LUXEON Z 12.0 + 50.0° / 25.0 + 74.0° 84 % 3.3 cd/lm 1	201 201 201 201 201 201 201 201



EUMILEE 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 20 20 20 20 20 20 20 20 20
	JS	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	30. 6. 6. 90 90 6. 5.
		15 ⁵ 2480 15 ⁵
WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW219F 46.0 + 28.0° / 82.0 + 57.0° 80 % 1.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxx19B/NVSxx19C 25.0 + 45.0° / 52.0 + 81.0° 78 % 1.8 cd/lm 1 White	51 52 6 12 12 1



OSRAM		90° 90°
Opto Semiconductors	Duris S5 (2 chip)	
LED FWHM / FWTM	20.0 + 45.0° / 40.0 + 75.0°	75*
Efficiency	80 %	50° 50°
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	m
Light colour	White	2 1699 V
Required components:		
		and a set
		304 100 00 100 304
OSRAM		90° 90°
Opto Semiconductors	Duris S5 (Single chip)	
FWHM / FWTM	19.0 + 45.0° / 40.0 + 75.0°	73*
Efficiency	79 %	
Peak intensity	2.1 cd/lm	60*
		$ \times / \wedge \times $
LEDs/each optic	1 White	45 ⁴ 67 ⁴
Light colour	White	
Required components:		
		230
		30* 30*
1		15° 0° 15°
OSRAM Onto Semiconductors		90* 90*
Opto Semiconductors	OSCONIO P 3030	99 ⁺ 99 ⁺
Opto Semiconductors	OSCONIQ P 3030 50.0 + 17.0° / 75.0 + 34.0°	<u>B</u> . <u>B</u> . <u>B</u> . <u>B</u> . <u>B</u> . <u>B</u> . <u>B</u> .
Opto Semiconductors LED FWHM / FWTM	50.0 + 17.0° / 75.0 + 34.0°	27 J
opto Semiconductors LED FWHM / FWTM Efficiency	50.0 + 17.0° / 75.0 + 34.0° 79 %	55 [°] 5 [°] 15 [°]
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm	27 J
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1	23 64 00 00 60 60
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm	3°. 60
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1	23 64 00 00 60 60
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1	23 64 00 00 60 60
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1	77 6/1 00 00 00 00 00 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1	55 66 60 100 100 00 00 00 00 00 00 00 00 00 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1	55 66 60 100 100 00 00 00 00 00 00 00 00 00 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1 White	30. 30.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required components:	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1	27 27 27 27 27 27 27 27 27 27
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3	30. 30.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 47.0 + 22.0° / 79.0 + 46.0°	30. 30.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 47.0 + 22.0° / 79.0 + 46.0° 81 %	30. 30.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 47.0 + 22.0° / 79.0 + 46.0° 81 % 2.1 cd/lm	30. 30.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 47.0 + 22.0° / 79.0 + 46.0° 81 % 2.1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 47.0 + 22.0° / 79.0 + 46.0° 81 % 2.1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 47.0 + 22.0° / 79.0 + 46.0° 81 % 2.1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0 + 17.0° / 75.0 + 34.0° 79 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 47.0 + 22.0° / 79.0 + 46.0° 81 % 2.1 cd/lm 1	



OSRAM		50* 50*
Opto Semiconductors	OSLON SSL 150	
FWHM / FWTM	16.5 + 48.0° / 36.0 + 76.0°	75: 75:
Efficiency	83 %	
Peak intensity	2.8 cd/lm	69* 69*
LEDs/each optic	1	
Light colour	' White	45*
Required components:	wille	
required components.		2000
		36° 3230 36° 30°
OSRAM Opto Semiconductors		90° 90°
LED	OSLON SSL 80	
FWHM / FWTM	16.0 + 45.0° / 38.0 + 72.0°	73'
Efficiency	81 %	
Peak intensity	2.8 cd/lm	60*
LEDs/each optic	1	
Light colour	White	- 1630
Required components:		
		200
		30° 30.
		30°
OSRAM Opto Semiconductors		90 ⁴ R 90 ⁴
OSRAM Opto Semiconductors LED	SYNIOS S2222 (KW DDLM31)	80°
Opto Semiconductors	SYNIOS S2222 (KW DDLM31) 50.0 + 18.0° / 77.0 + 36.0°	34 29,
Opto Semiconductors LED FWHM / FWTM	SYNIOS S2222 (KW DDLM31) 50.0 + 18.0° / 77.0 + 36.0° 95 %	20 00 00 00 00 00 00 00 00 00
opto Semiconductors LED FWHM / FWTM Efficiency	50.0 + 18.0° / 77.0 + 36.0°	
Opto Semiconductors LED FWHM / FWTM	50.0 + 18.0° / 77.0 + 36.0° 95 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1 White	gr - 100 - 01
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1 White	500 000 500 000 50000 500 000 500 0
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1 White	30. 30. 30. 30. 20. 0.0 0.0 60. 00. 00.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1 White	30 30 50 50 50 50 50 50 50 50 50 5
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1 White	30. 30. 30. 30. 20. 0.0 0.0 60. 00. 00.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1 White I LM101B 14.5 + 50.0° / 29.0 + 72.0°	32
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMNSUN LED FWHM / FWTM Efficiency Peak intensity	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1 White LM101B 14.5 + 50.0° / 29.0 + 72.0° 81 %	32
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1 White LM101B 14.5 + 50.0° / 29.0 + 72.0° 81 % 2.7 cd/lm	30 30 50 50 50 50 50 50 50 50 50 5
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1 White LM101B 14.5 + 50.0° / 29.0 + 72.0° 81 % 2.7 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1 White LM101B 14.5 + 50.0° / 29.0 + 72.0° 81 % 2.7 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1 White LM101B 14.5 + 50.0° / 29.0 + 72.0° 81 % 2.7 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0 + 18.0° / 77.0 + 36.0° 95 % 2.6 cd/lm 1 White LM101B 14.5 + 50.0° / 29.0 + 72.0° 81 % 2.7 cd/lm 1	



SAMSUN		90 ⁴
LED	LM301A	25
FWHM / FWTM	16.0 + 50.0° / 40.0 + 75.0°	
Efficiency	81 %	60° 60°
Peak intensity	2.4 cd/lm	
LEDs/each optic	1	1000
Light colour	White	
Required components:		30. 22. 6. 32. 35.
STANLEY		90° 90°
LED	MFN1108MS	75
FWHM / FWTM	50.0 + 14.0° / 72.0 + 37.0°	
Efficiency	84 %	60 ² 60 ²
Peak intensity	2.9 cd/lm	
LEDs/each optic Light colour	1 IR	.e5* 45*
Required components:		200200200
STANLEY		90* 90*
LED	MGN1108MS	
FWHM / FWTM	50.0 + 14.0° / 72.0 + 36.0°	75°
Efficiency	84 %	800
Peak intensity	3 cd/lm	
LEDs/each optic	1	1000
Light colour	IR	
Required components:		30° 300 40°



PRODUCT DATASHEET <u>FP16563_L</u>ISA3-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:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy

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