

PRODUCT DATASHEET C12469_LISA2-R-PIN

LISA2-R-PIN

White mini reflector with \sim 80° wide beam. 6.5 mm high with location pin installation.

SPECIFICATION:

Dimensions	Ø 9.9 mm
Height	6.5 mm
Fastening	glue, pin
ROHS compliant	yes 🛈



MATERIALS:

Component	Туре	Material	Colour	Finish	Coating
LISA2-R-PIN	Reflector	HRPC	white		

ORDERING INFORMATION:

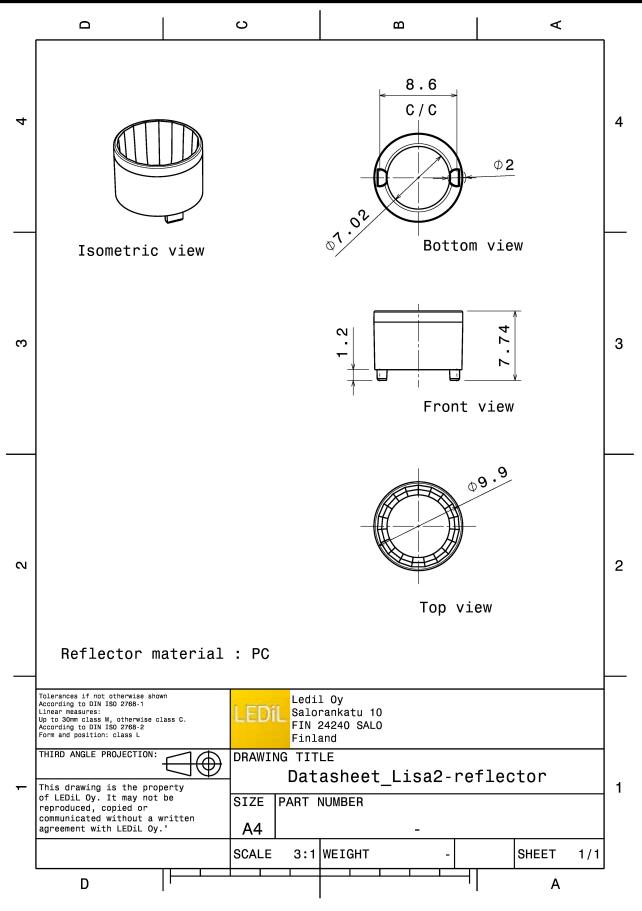
Component

C12469_LISA2-R-PIN » Box size: 254 x 298 x 241 mm

Qty in box	MOQ	MPQ	Box weight (kg)
10000	300	100	4.1



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



LED	XB-D
FWHM / FWTM	81.0° / 148.0
Efficiency	87 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required componer	nts:

LED	XP-E
FWHM / FWTM	82.0° / 152.0°
Efficiency	86 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required componen	ts:

			و	90*	90*
LED	XP-G				
FWHM / FWTM	86.0° / 154.0°		2	75*	75*
Efficiency	89 %				
Peak intensity	0.3 cd/lm		6	••* / / / / / / / / / / / / / / / / / /	60*
LEDs/each optic	1			200	E
Light colour	White		.4	45*	45*
Required compone	ents:				
					/
				400	$\langle $
			/a	20° 13° 0° 15°	30*
	D			90*	90*
	XP-G3		.9	<u>87</u>	90*
	_			5)* 735	à *
LED	XP-G3				-75°
LED FWHM / FWTM	XP-G3 86.0° / 152.0°				98 98 98
LED FWHM / FWTM Efficiency	XP-G3 86.0° / 152.0° 88 %				-75°
LED FWHM / FWTM Efficiency Peak intensity	XP-G3 86.0° / 152.0° 88 % 0.4 cd/lm		, 8		-75°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G3 86.0° / 152.0° 88 % 0.4 cd/lm 1 White		, 8	794	78° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 86.0° / 152.0° 88 % 0.4 cd/lm 1 White		, 8	794	78° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 86.0° / 152.0° 88 % 0.4 cd/lm 1 White		, 8	794	78°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 86.0° / 152.0° 88 % 0.4 cd/lm 1 White		, 8	294 69 ⁴ - 200	78° 60°

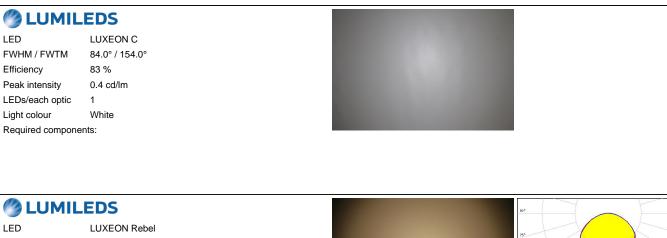


LED	XT-E
FWHM / FWTM	80.0° / 144.0°
Efficiency	85 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required componer	its:



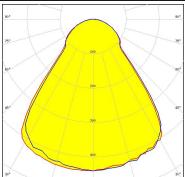
LED LUXEON A FWHM / FWTM 83.0° / 152.0° Efficiency 88 % Peak intensity 0.4 cd/lm LEDs/each optic 1 White Light colour Required components:

LED



- LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic 1 Light colour Required components:
- 77.0° / 144.0° 88 % 0.4 cd/lm White







LUMILEDS

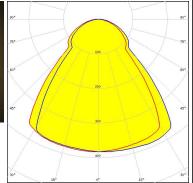
LED	LUXEON Rebel ES
FWHM / FWTM	83.0° / 152.0°
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required componer	its:

	LUM	ILEDS	
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LEDLIFWHM / FWTM82Efficiency82Peak intensity0.LEDs/each optic1Light colourWRequired components:

LUXEON T 82.0° / 148.0° 82 % 0.4 cd/lm 1 White eents:





UMILEDS

LEDLUXEON ZFWHM / FWTM78.0° / 146.0°Efficiency86 %Peak intensity0.4 cd/lmLEDs/each optic1Light colourWhiteRequired components:



ΜΝΙCΗΙΛ

LEDNCSxx19AFWHM / FWTM78.0° / 146.0°Efficiency84 %Peak intensity0.5 cd/lmLEDs/each optic1Light colourWhiteRequired components:



ØNICHI/	N Contraction of the second se	
LED	NVSxx19A	
FWHM / FWTM	80.0° / 148.0°	
Efficiency	84 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
OSRAM		
Opto Semiconductors		90 ⁴
LED	OSCONIQ P 2226	25
FWHM / FWTM	78.0° / 147.0°	
Efficiency	83 %	90° (
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required compone	ents:	30
		30" 30
OSRAM		127 ⁴ 0 ⁴ 13 ⁷
Opto Semiconductors		90°
LED	OSLON Square EC	
FWHM / FWTM	82.0° / 152.0°	
Efficiency	85 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		30 ⁴ 10 ³ 10 ⁴ 30 ⁴
OSRAM Opto Semiconductors		
LED	OSLON SSL 150	
FWHM / FWTM	83.0° / 156.0°	
Efficiency	91 %	
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	



OSRAM				M
Opto Semiconductors			90*	90°
LED	OSLON SSL 80		75°	
FWHM / FWTM	76.0° / 132.0°			
Efficiency	92 %		60°	60.
Peak intensity	0.5 cd/lm			\times
LEDs/each optic	1			
Light colour	White		400	45°
Required compone	nts:			
L			30* 15% 0%	72°, 30°,
SEOUL SEMICONDUCTOR			90°	90°
LED	Z5			
FWHM / FWTM	80.0° / 150.0°		75'	75
Efficiency	84 %			\sim
Peak intensity	0.4 cd/lm			60.
LEDs/each optic	1		200	
Light colour	White		936	
Required compone			200	
				N
			30°	300
			 15% 0%	15'
SEOUL SEMICONDUCTOR			90*	90*
LED	Z8Y15		75°	
FWHM / FWTM	76.0° / 148.0°		200_100	N.
Efficiency	87 %		160°	60*
Peak intensity	0.4 cd/lm			
LEDs/each optic	1			
LEDs/each optic Light colour	1 White		er	e2+
	White		e ^y	67*
Light colour	White		e ⁻	or. 30*
Light colour Required compone	White		e ^y 30 30 20 40 40 40	32. 34.
Light colour Required component	White		40 40 90*	<u>27</u> 27
Light colour Required compone	White		89*	<u>75</u> 75 02
Light colour Required component seoul semiconductor LED	White nts:			25. 25. 26.
Light colour Required component secul semiconductor LED FWHM / FWTM	White nts: Z8Y19		89*	20 20 20 20 20 20 20 20 20 20 20 20 20 2
Light colour Required component secure secure LED FWHM / FWTM Efficiency	White nts: Z8Y19 76.0° / 147.0°		89*	
Light colour Required component secure secure LED FWHM / FWTM Efficiency	White nts: Z8Y19 76.0° / 147.0° 86 %		89*	
Light colour Required component stour searconductor LED FWHM / FWTM Efficiency Peak intensity	White nts: Z8Y19 76.0° / 147.0° 86 % 0.4 cd/lm		89*	97 97 97 97 97 97 97 97 97 97 97 97 97 9
Light colour Required component scour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White nts: Z8Y19 76.0° / 147.0° 86 % 0.4 cd/lm 1 White		89*	94 123 123 123 123 123 123 123 123 123 123



		907
LED	XD16	
FWHM / FWTM	82.0° / 151.0°	754 754
Efficiency	83 %	100
Peak intensity	0.4 cd/lm	604 601
LEDs/each optic	1	
Light colour	White	
Required components:	Wine	
		300
		30* 460 30* 30*
		90* 99*
LED	XHP35 HD	
FWHM / FWTM	91.0° / 154.0°	75°
Efficiency	92 %	
Peak intensity	0.4 cd/lm	60°
LEDs/each optic	1	
Light colour	White	-5°
Required components:		
		200
		400
		15 ⁵ o ^b 15 ⁴
		90* 99*
LED	XHP35.2 HD	
FWHM / FWTM	91.0° / 159.0°	75°
Efficiency	79 %	100
Peak intensity	0.3 cd/lm	60 ⁺
LEDs/each optic	1	
Light colour	White	45* 45*
Required components:		
		30* 10 ² 0 ⁴ 30 ⁴
		999
	XP-E2	75. 75.
FWHM / FWTM	79.0° / 142.0°	
Efficiency	79 % 0.4 cd/lm	60* 60*
Peak intensity LEDs/each optic		200
LEDs/each optic	1 White	45*
Required components:	winte	
Required components:		× × × × × × × × × × × × × × × × × × ×
Protective plate	e, glass	
		400
		36° 15° 0° 35° 30°



CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 85.0° / 154.0° 82 % 0.4 cd/lm 1 White	
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-L HD 81.0° / 145.0° 83 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XQ-E HD 76.0° / 145.0° 90 % 0.5 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 80.0° / 144.0° 85 % 0.4 cd/lm 1 White	5° 50 5° 5° 50 5° 5° 50 5° 5° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6



)S	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 80.0° / 146.0° 90 % 0.4 cd/lm 1 White	200
Ø ΝΙCΗΙΛ		90 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxx19B/NVSxx19C 82.0° / 150.0° 80 % 0.4 cd/lm 1 White	75°
		30° 30° 30°
OSRAM Opto Semiconductors		90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Duris S5 (2 chip) 76.0° / 146.0° 82 % 0.4 cd/lm 1 White	200 200 00 ⁴ 200 00 ⁴ 00 ⁴
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square CSSRM2/CSSRM3 80.0° / 146.0° 83 % 0.4 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20



OSRAM Opto Semiconductors		90 ⁴ 91 ⁵
LED	SFH 4727AS	77
FWHM / FWTM	55.0° / 83.0°	
Efficiency	89 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	IR	₫ ² 80
Required component	ts:	
		34" <u>100</u> 127 <u>0</u> " 13



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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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