

PRODUCT DATASHEET FP13030_LISA2-M-CLIP

LISA2-M-CLIP

~20° medium beam optimized for CREE XP-E. 6.8 mm high variant with clip installation.

SPECIFICATION:

Dimensions	Ø 9.9 mm
Height	6.8 mm
Fastening	glue, clips
ROHS compliant	yes 🛈



MATERIALS:

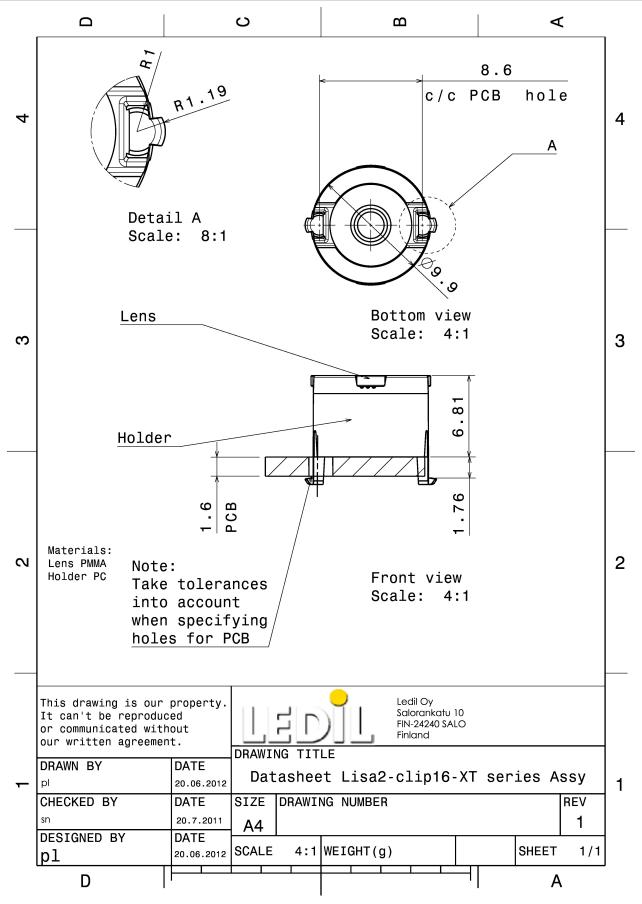
Component	Туре	Material	Colour	Finish
LISA2-M	Single lens	PMMA	clear	
LISA2-HLD-CLIP16-XP	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP13030_LISA2-M-CLIP	Single lens	2000		100	1.4
» Box size:					



PRODUCT DATASHEET FP13030_LISA2-M-CLIP



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



OPTICAL RESULTS (MEASURED):

		50 ⁴
LED	XP-G2	
FWHM / FWTM	25.0° / 47.0°	27
Efficiency	89 %	
Peak intensity	3.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
		31*
		99*
LED	XT-E	
FWHM / FWTM	26.0° / 49.0°	
Efficiency	89 %	50×
Peak intensity	3.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	800
		20* 20 [*] 0 [*] 10 [*]
	EDS	2 ⁴
	EDS	24
		3 4
LED	LUXEON T	25 27 00
LED FWHM / FWTM	LUXEON T 28.0° / 54.0°	
LED FWHM / FWTM Efficiency	LUXEON T 28.0° / 54.0° 87 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White	61 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White	27 85 97 160
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White	61 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White	27 85 97 160
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White nts:	27 85 97 160
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White nts: EDS LUXEON TX 26.0° / 51.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White nts: EDS LUXEON TX 26.0° / 51.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White nts: EDS LUXEON TX 26.0° / 51.0° 88 % 3.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White nts: EDS LUXEON TX 26.0° / 51.0° 88 % 3.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White nts: EDS LUXEON TX 26.0° / 51.0° 88 % 3.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White nts: EDS LUXEON TX 26.0° / 51.0° 88 % 3.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White nts: EDS LUXEON TX 26.0° / 51.0° 88 % 3.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON T 28.0° / 54.0° 87 % 2.7 cd/lm 1 White nts: EDS LUXEON TX 26.0° / 51.0° 88 % 3.4 cd/lm 1 White	



OPTICAL RESULTS (MEASURED):

~		
Ø NICHI∕		50 ³ 30 ³
LED	NCSxx19B	
FWHM / FWTM	23.0° / 46.0°	
Efficiency	85 %	
Peak intensity	4.1 cd/lm	27 <u>- 100</u>
LEDs/each optic	1	
Light colour	White	gr det
Required compone	ints:	
		200
		125 0 ⁴ 125
ØNICHI/		9° 90°
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	27.0° / 56.0°	
Efficiency	86 %	60
Peak intensity	2.6 cd/lm	
LEDs/each optic	1	
Light colour	White	97 ⁺ - 160 - 160
Required compone	ints:	
		200
		30
OSDAM		125 ⁴ 0 ⁴ 125
OSRAM Opto Semiconductors		90 ⁴ 90 ⁴
LED	OSLON Square EC	
FWHM / FWTM	26.0° / 49.0°	
Efficiency	85 %	6/ ⁶
Peak intensity	3.4 cd/lm	500 State
LEDs/each optic	1	
Light colour	White	or at
Required compone	nts:	
		3200
SAMSI		
		90 ⁺
LED	LH351Z	75
FWHM / FWTM	26.0° / 50.0°	
Efficiency	87 %	
Peak intensity	3.5 cd/lm	
LEDs/each optic	1	
Light colour	White	¢, 500
Required compone	nts:	
		30 ⁴ 35 ⁷ 0 ⁴ 17 ⁹ 30 ⁴



OPTICAL RESULTS (SIMULATED):

EUMILEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 24.0° / 52.0° 89 % 3.1 cd/lm 1 White		20 20 20 20 20 20 20 20 20 20
)S		
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	LUXEON IR Compact 14.0° / 29.0° 82 % 1 White		
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square CSSRM2/CSSRM3 21.0° / 44.0° 91 % 4.4 cd/lm 1 White		90 ⁴ 75 ⁷ 90 ⁶ 90 ⁷ 90 ⁷ 9
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	SFH 4770S 12.0° / 30.0° 90 % 1 IR	Polar intensity graph	20° (20° (20° (20° (20° (20° (20° (20° (



OPTICAL RESULTS (SIMULATED):

SAMSU	NG	90*
LED	LH351B	
FWHM / FWTM	27.0° / 54.0°	75*
Efficiency	89 %	60° 60°
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour	White	ar ar
Required components:		
		2450
		304 1170 04 1174 32,4
SEOUL		
SEOUL SEMICONDUCTOR		90* 90*
LED	Z8Y22P	
FWHM / FWTM	25.0° / 56.0°	
Efficiency	84 %	60 ⁶ 60 ⁶
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	ar at at a a a a a a a a a a a a a a a a
Required components:		
		200
		34° 35° 36°



PRODUCT DATASHEET FP13030_LISA2-M-CLIP

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support www.ledil.com/ where_to_buy

Shipping locations Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/ where_to_buy