

LAURA-SS-WAS-PIN

Asymmetric beam for wall-washing optimized for CREE XP-E. Assembly with white holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions Height Fastening ROHS compliant 21.6 x 21.6 mm 13.1 mm tape, pin yes ()



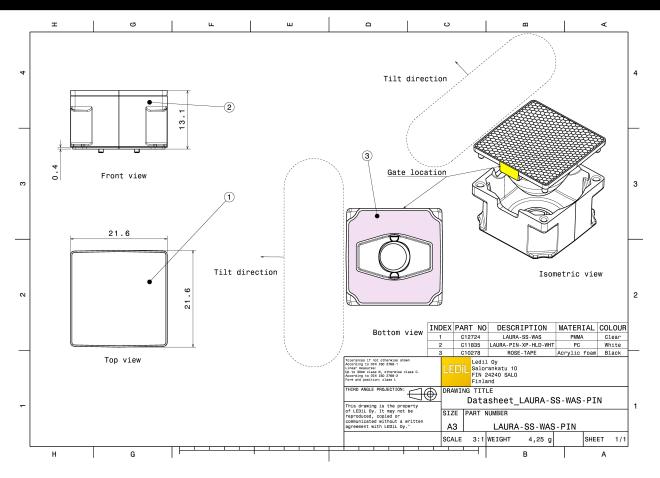
MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
LAURA-SS-WAS	Single lens	PMMA	clear	
LAURA-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Таре	PU tape	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13312_LAURA-SS-WAS-PIN	Single lens	1440		180	7.6
» Box size:					

PRODUCT DATASHEET CA13312_LAURA-SS-WAS-PIN



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



CREE \$		
LED	XB-D	
FWHM / FWTM	Asymmetric	79
Efficiency	93 %	
Peak intensity	9.2 cd/lm	6 ¹⁰
LEDs/each optic	1	
Light colour	White	g,
Required componer	nts:	
		30° 550 3
CREE \$	•	25 [°] 4 [°] 35 [°]
LED	™ XP-E	
LED FWHM / FWTM	Asymmetric	25
Efficiency	92 %	
Peak intensity	92 % 11.6 cd/lm	0× 5
LEDs/each optic	1	
Light colour	White	400
Required componer		
	10.	
		30° 30 50
CREE ÷	•	90 ⁴
LED	XP-G	25-
LED FWHM / FWTM	XP-G Asymmetric	90 ⁴ 2
LED FWHM / FWTM Efficiency	XP-G Asymmetric 91 %	90* 9 72 94 20 2
LED FWHM / FWTM Efficiency Peak intensity	XP-G Asymmetric 91 % 8 cd/lm	90 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G Asymmetric 91 %	94 94 95 95 95 95 95 95 95 95 95 95 95 95 95
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G Asymmetric 91 % 8 cd/lm 1 White	97 ³
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G Asymmetric 91 % 8 cd/lm 1 White	9 ² *
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G Asymmetric 91 % 8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G Asymmetric 91 % 8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G Asymmetric 91 % 8 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G Asymmetric 91 % 8 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G Asymmetric 91 % 8 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G Asymmetric 91 % 8 cd/lm 1 White tts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G Asymmetric 91 % 8 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G Asymmetric 91 % 8 cd/lm 1 White hts: XP-G2 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G Asymmetric 91 % 8 cd/lm 1 White hts: XP-G2 Asymmetric 91 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer ELED FWHM / FWTM Efficiency Peak intensity	XP-G Asymmetric 91 % 8 cd/lm 1 White tts: XP-G2 Asymmetric 91 % 11.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G Asymmetric 91 % 8 cd/lm 1 White tts: XP-G2 Asymmetric 91 % 11.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G Asymmetric 91 % 8 cd/lm 1 White tts: XP-G2 Asymmetric 91 % 11.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G Asymmetric 91 % 8 cd/lm 1 White tts: XP-G2 Asymmetric 91 % 11.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer Efficiency Peak intensity LEDs/each optic Light colour	XP-G Asymmetric 91 % 8 cd/lm 1 White tts: XP-G2 Asymmetric 91 % 11.8 cd/lm 1 White	



CREE -		so*
LED	XT-E	
FWHM / FWTM	Asymmetric	75
Efficiency	93 %	
Peak intensity	9.5 cd/lm	eq* 5200 60
LEDs/each optic	1	
Light colour	White	45*
Required compone		
Required compone	115.	
		30° 30° 300 300
	EDS	90° A 90
LED	LUXEON A	
FWHM / FWTM	Asymmetric	
Efficiency	93 %	
Peak intensity	9.1 cd/lm	
LEDs/each optic	1	
Light colour	White	gr and a start s
Required compone		
		30° 9600 30° 30°
	EDS	50° A 30'
		55* 50
	LUXEON Q	39°
LED FWHM / FWTM		99 ⁴ 99
LED FWHM / FWTM Efficiency	LUXEON Q Asymmetric	64
LED FWHM / FWTM Efficiency Peak intensity	LUXEON Q Asymmetric 91 %	60° 50° 50° 50° 50° 50° 50° 50° 50° 50° 5
LED FWHM / FWTM Efficiency	LUXEON Q Asymmetric 91 % 10.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON Q Asymmetric 91 % 10.3 cd/lm 1 White	a. a. a. a. a. a. a. a. a. a.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Q Asymmetric 91 % 10.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Q Asymmetric 91 % 10.3 cd/lm 1 White	99 ⁴ 97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Q Asymmetric 91 % 10.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Q Asymmetric 91 % 10.3 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Q Asymmetric 91 % 10.3 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Q Asymmetric 91 % 10.3 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Q Asymmetric 91 % 10.3 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Q Asymmetric 91 % 10.3 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Q Asymmetric 91 % 10.3 cd/lm 1 White nts: EDS LUXEON Rebel Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Weak intensity	LUXEON Q Asymmetric 91 % 10.3 cd/lm 1 White nts: EDS LUXEON Rebel Asymmetric 92 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition Efficiency Peak intensity LEDs/each optic	LUXEON Q Asymmetric 91 % 10.3 cd/lm 1 White nts: EDS LUXEON Rebel Asymmetric 92 % 13.3 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 Q Asymmetric 91 % 10.3 cd/lm 1 White nts: EDS LUXEON Rebel Asymmetric 92 % 13.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition Composition	LUXEON Q Asymmetric 91 % 10.3 cd/lm 1 White nts: EDS LUXEON Rebel Asymmetric 92 % 13.3 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 Q Asymmetric 91 % 10.3 cd/lm 1 White nts: EDS LUXEON Rebel Asymmetric 92 % 13.3 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 Q Asymmetric 91 % 10.3 cd/lm 1 White nts: EDS LUXEON Rebel Asymmetric 92 % 13.3 cd/lm 1 White	



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LED	NCSxx19A	
FWHM / FWTM	Asymmetric	25
Efficiency	92 %	
Peak intensity	10.3 cd/lm	60 ¹
LEDs/each optic	1	
Light colour	White	977 4530
Required componer		
		30° 30
		 15° 0° 15°
<i>M</i>NICHIA	к.	90*
LED	NCSxx19B	 73*
FWHM / FWTM	Asymmetric	
Efficiency	90 %	50.° 60
Peak intensity	13.1 cd/lm	
LEDs/each optic	1	
Light colour	White	42× 42
Required componer	nts:	
		30-
ØNICHI Λ		90 ⁴ 90
		59 ⁴ 59
LED	NVSxx19A	3°
LED FWHM / FWTM		
LED	NVSxx19A Asymmetric	99 ³
LED FWHM / FWTM Efficiency	NVSxx19A Asymmetric 93 %	99 ⁴ 90 31 32 32 33 33 33 33 33 33 33 33 33 33 33
LED FWHM / FWTM Efficiency Peak intensity	NVSxx19A Asymmetric 93 % 9.5 cd/lm	99* 97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White	97 ⁴ 97 97 97 98 99 99 99 99 99 99 99 99 99 99 99 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White hts: OSLON Square EC Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White hts: OSLON Square EC Asymmetric 90 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White hts: OSLON Square EC Asymmetric 90 % 9.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White hts: OSLON Square EC Asymmetric 90 % 9.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer COSRAM Opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White hts: OSLON Square EC Asymmetric 90 % 9.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White hts: OSLON Square EC Asymmetric 90 % 9.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White hts: OSLON Square EC Asymmetric 90 % 9.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19A Asymmetric 93 % 9.5 cd/lm 1 White hts: OSLON Square EC Asymmetric 90 % 9.6 cd/lm 1 White	



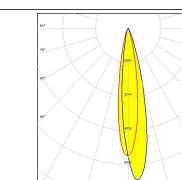
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON SSL 150 Asymmetric 90 % 12.2 cd/lm 1 White nts:	24° 25° 26° 25°
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON SSL 80 Asymmetric 89 % 11.1 cd/lm 1 White nts:	20 20 0 0 0 0 0 0 0 0 0 0 0 0 0



PHOTOMETRIC DATA (SIMULATED):

ΜΝΙCΗΙΛ

LED	NV4WB35AM
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LM301B
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	10.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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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LEDiL Oy

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