

## LAURA-SS-PIN

~11° smooth spot beam optimized for CREE XP-E. Assembly with white holder, installation tape and location pins.

### TECHNICAL SPECIFICATIONS:

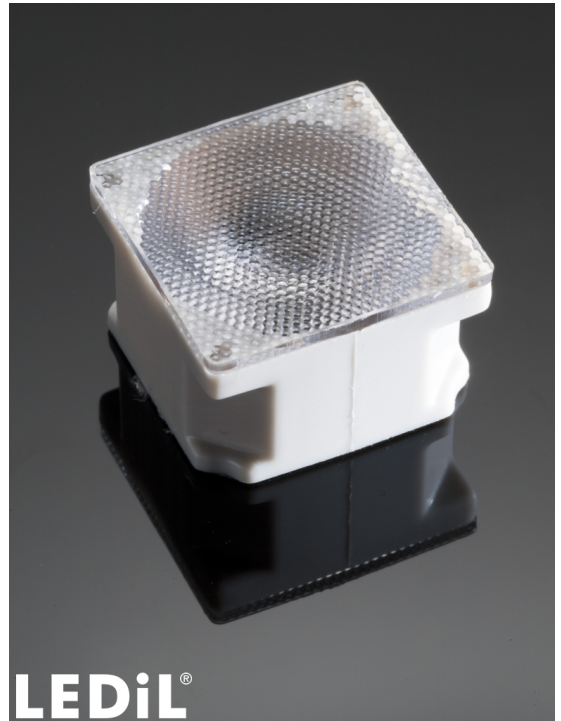
Dimensions	21.6 mm
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

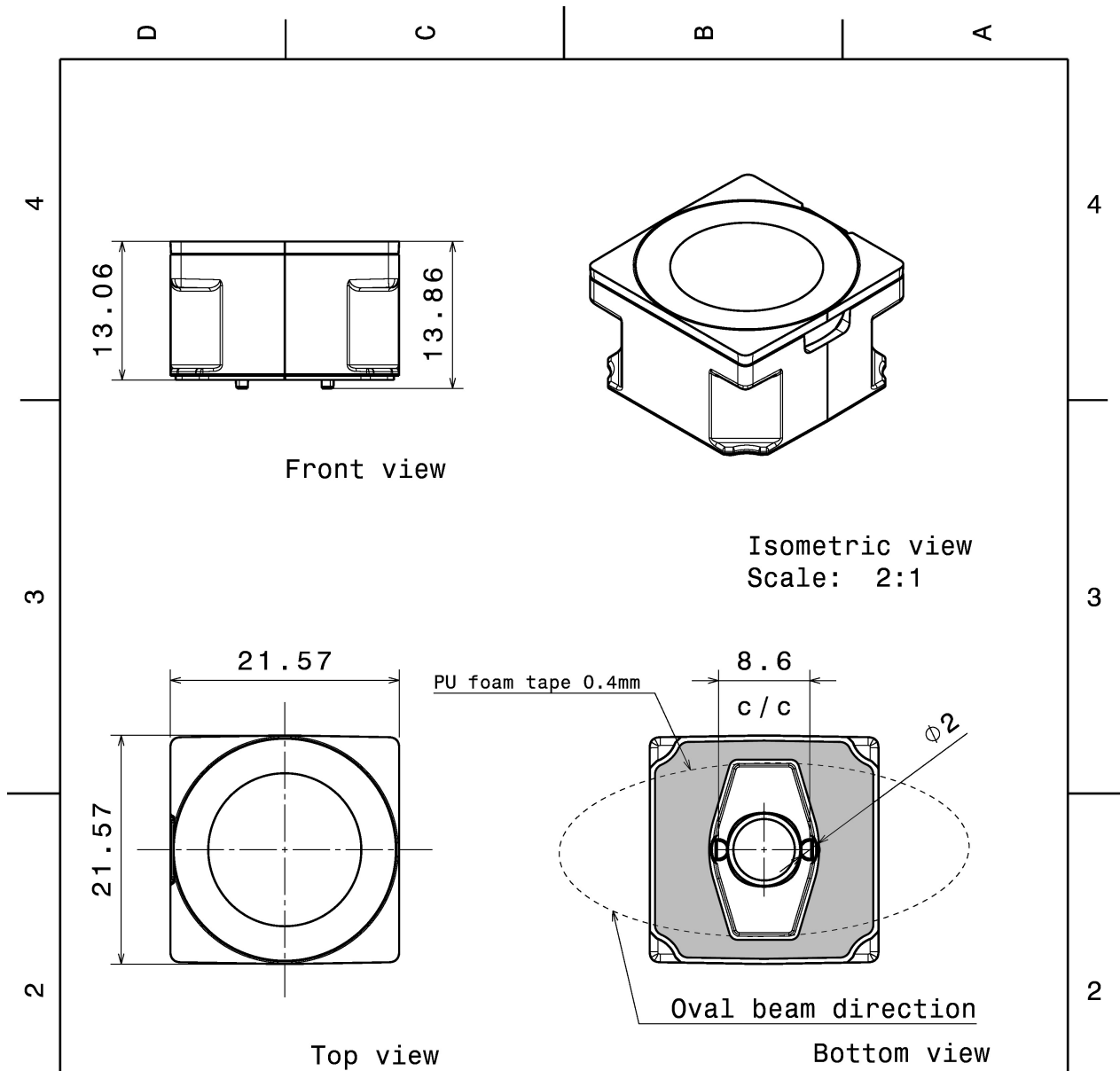
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LAURA-SS	Single lens	PMMA		
LAURA-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Tape	PU tape	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12011_LAURA-SS-PIN	Single lens	1440		180	7.5
» Box size:					





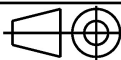
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	Laura-mech	PMMA	
3	C11835	LAURA-PIN-XP-HLD-WHT	PC	white

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class M, otherwise class C.  
According to DIN ISO 2768-2  
Form and position: class L

**LEDiL**

Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

**LAURA-XP-PIN-WHT assembly**

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SIZE PART NUMBER

A4

-

SCALE 2:1

WEIGHT

9 g

SHEET

1/1

#### PHOTOMETRIC DATA (MEASURED):

#### CREE

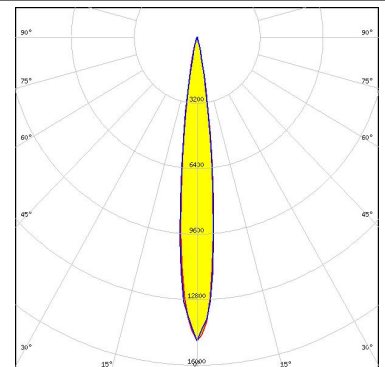
LED XB-D  
FWHM 11.0°  
Efficiency 93 %  
Peak intensity 14.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### CREE

LED XP-E  
FWHM 11.0°  
Efficiency 93 %  
Peak intensity 16.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### CREE

LED XP-E-HEW  
FWHM 12.0°  
Efficiency 92 %  
Peak intensity 11.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



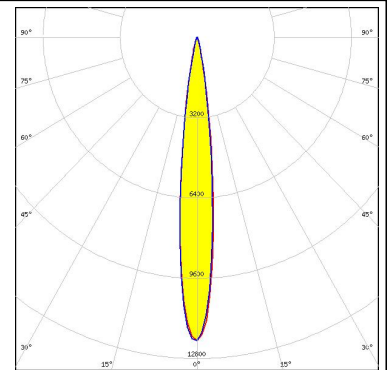
#### CREE

LED XP-G  
FWHM 12.0°  
Efficiency 94 %  
LEDs/each optic 1  
Light colour White  
Required components:

#### PHOTOMETRIC DATA (MEASURED):

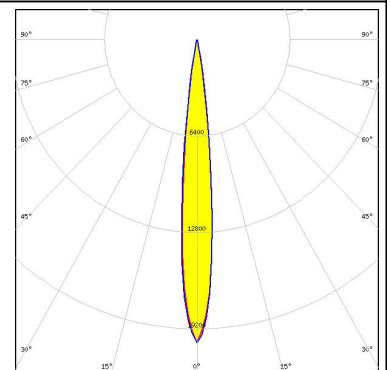
#### LUMILEDS

LED LUXEON T  
 FWHM 13.0°  
 Efficiency 92 %  
 Peak intensity 12.2 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



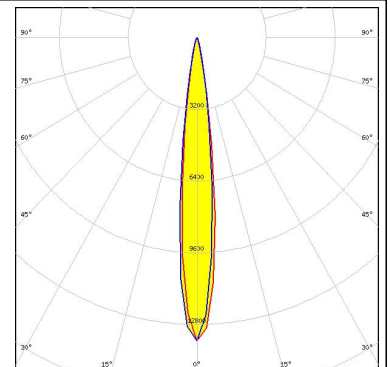
#### LUMILEDS

LED LUXEON Z ES  
 FWHM 12.0°  
 Efficiency 92 %  
 Peak intensity 17.6 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



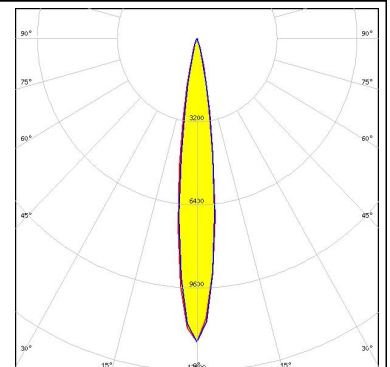
#### NICHIA

LED NCSxx19B  
 FWHM 13.0°  
 Efficiency 91 %  
 Peak intensity 13.5 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### NICHIA

LED NF2x757D  
 FWHM 14.0°  
 Efficiency 91 %  
 Peak intensity 11.7 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



## PHOTOMETRIC DATA (MEASURED):

**OSRAM**  
Opto Semiconductors

LED OSLON Square EC  
FWHM 13.0°  
Efficiency 88 %  
Peak intensity 9.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM 11.0°  
Efficiency 91 %  
Peak intensity 12.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:


**OSRAM**  
Opto Semiconductors

LED OSLON SSL 80  
FWHM 11.0°  
Efficiency 91 %  
Peak intensity 13.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

**OSRAM**  
Opto Semiconductors

LED SFH 4725S  
FWHM 14.0°  
Efficiency %  
LEDs/each optic 1  
Light colour White  
Required components:

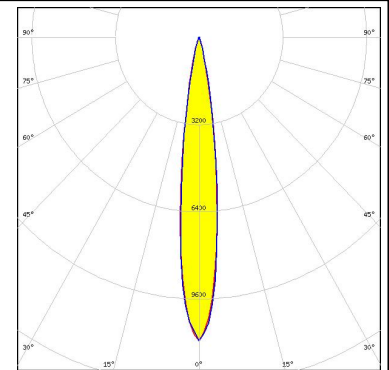
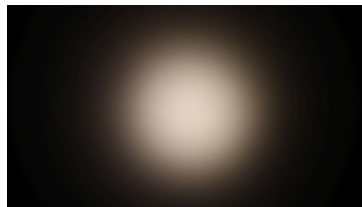
## PHOTOMETRIC DATA (MEASURED):

	
SEOUL SEMICONDUCTOR	
LED	Z5
FWHM	10.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

**PHOTOMETRIC DATA (SIMULATED):**



LED XP-G3  
 FWHM Asymmetric  
 Efficiency 93 %  
 Peak intensity 11.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON IR Domed 150  
 FWHM 14.0°  
 Efficiency 0 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON IR Domed 60  
 FWHM 12.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



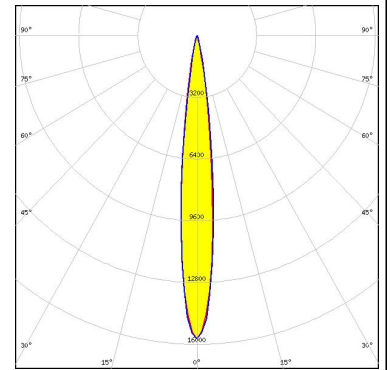
LED LUXEON IR Domed 90  
 FWHM 12.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### PHOTOMETRIC DATA (SIMULATED):

##### OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM 12.0°  
Efficiency 96 %  
Peak intensity 15.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

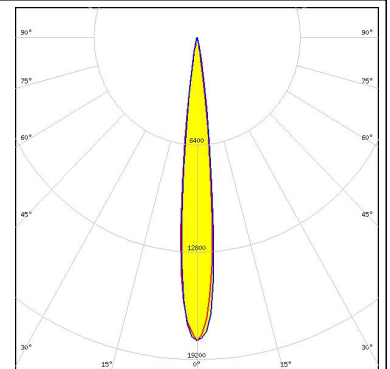
Opto Semiconductors

LED OSLON Square PC  
FWHM 12.0°  
Efficiency %  
LEDs/each optic 1  
Light colour White  
Required components:

##### OSRAM

Opto Semiconductors

LED SFH 4170S  
FWHM 12.0°  
Efficiency 88 %  
LEDs/each optic 1  
Light colour IR  
Required components:



##### OSRAM

Opto Semiconductors

LED SFH 4715S  
FWHM 12.0°  
Efficiency %  
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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[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
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- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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