### LAURA-SS-PIN

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

### **SPECIFICATION:**

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



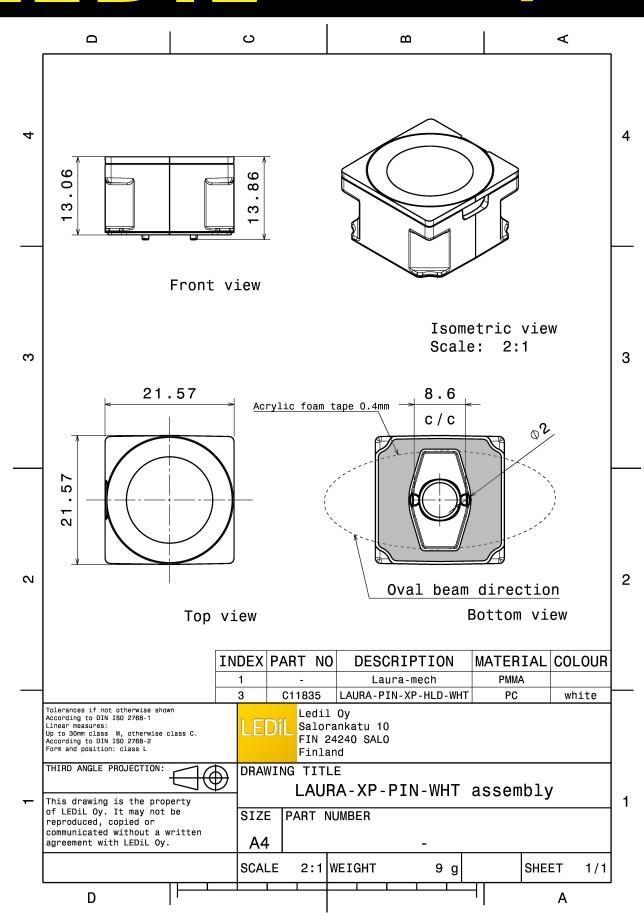
#### **MATERIALS:**

Component	Туре	Material	Colour	Finish
LAURA-SS	Single lens	PMMA		
LAURA-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Tape	Acrylic foam	black	

### **ORDERING INFORMATION:**

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

# **PRODUCT** CA12011\_LAURA-SS-PIN



See also our general installation guide: <a href="www.ledil.com/installation\_guide">www.ledil.com/installation\_guide</a>



## **OPTICAL RESULTS (MEASURED):**

## CREE -

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

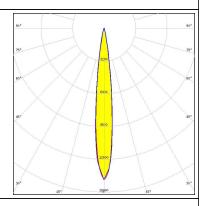
Required components:

## CREE \$

LED XP-E FWHM / FWTM 11.0° / 19.0° Efficiency 93 % Peak intensity 16.5 cd/lm LEDs/each optic 1 White Light colour Required components:

## CREE +

LED XP-E-HEW  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 12.0° / 24.0° Efficiency 92 % Peak intensity 11.7 cd/lm LEDs/each optic Light colour White Required components:

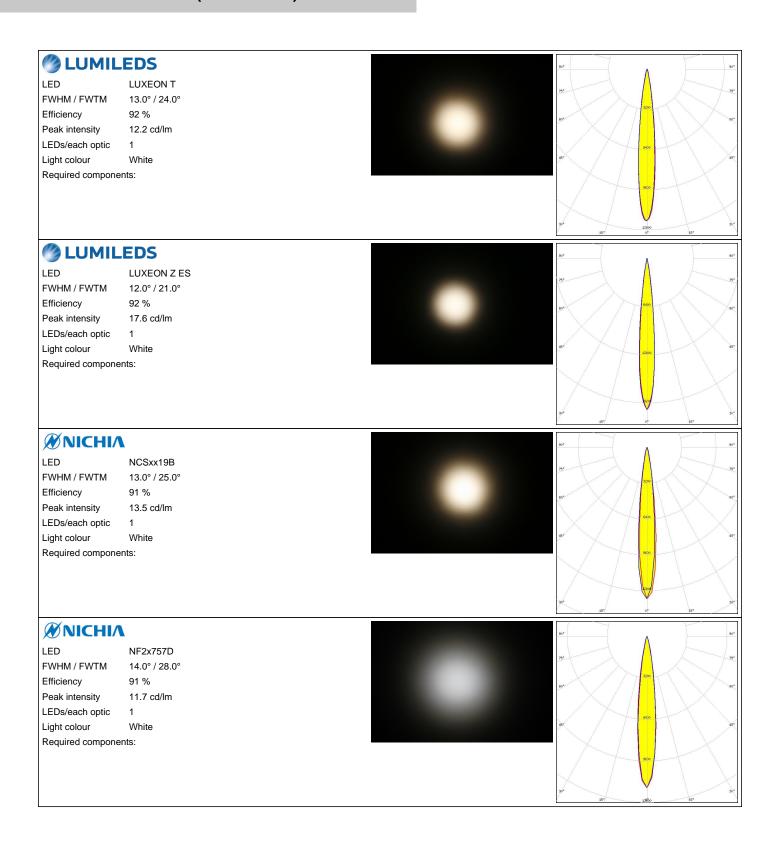


## CREE &

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



## **OPTICAL RESULTS (MEASURED):**



### **OPTICAL RESULTS (MEASURED):**

**OSRAM** 

LED OSLON Square EC

FWHM / FWTM 13.0° / 26.0° Efficiency 88 % Peak intensity 9.1 cd/lm LEDs/each optic

Light colour White Required components:

**OSRAM** 

LED OSLON SSL 150

FWHM / FWTM 11.0° / 22.0° Efficiency 91 % Peak intensity 12.5 cd/lm

LEDs/each optic 1 White Light colour Required components:

OSRAM Opto Semiconductors

LED OSLON SSL 80  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 11.0° / 21.0° Efficiency 91 % Peak intensity 13.5 cd/lm

LEDs/each optic Light colour White Required components:

**OSRAM** 

LED

SFH 4725S FWHM / FWTM 14.0° / 28.0°

Efficiency % LEDs/each optic White Light colour Required components:

5/10



## PRODUCT DATASHEET CA12011\_LAURA-SS-PIN

## **OPTICAL RESULTS (MEASURED):**

SEOUL	
SEOUL SEMICONDUCTOR	
LED	75
LED	Z5
FWHM / FWTM	10.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required compone	ents:



## **OPTICAL RESULTS (SIMULATED):**

Amber

## CREE &

Light colour

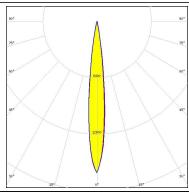
 LED
 XP-E2

 FWHM / FWTM
 12.0° / 23.0°

 Efficiency
 94 %

Peak intensity 17.2 cd/lm LEDs/each optic 1

Required components:



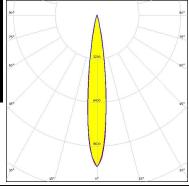
## CREE &

LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 93 %
Peak intensity 11.1 cd/lm
LEDs/each optic 1

Light colour White

Required components:





## **UMILEDS**

LED LUXEON IR Domed 150 (L1I0-0xxx150000000)

FWHM / FWTM 14.0° / 24.0°
Efficiency 0 %
LEDs/each optic 1
Light colour White
Required components:

## **DESCRIPTION**

LED LUXEON IR Domed 60 (L1I0-0xxx060000000)

FWHM / FWTM 12.0° / 25.0°
Efficiency 94 %
LEDs/each optic 1
Light colour White

Required components:

Published: 11/07/2019



## **OPTICAL RESULTS (SIMULATED):**



LED LUXEON IR Domed 90 (L1I0-0xxx090000000)

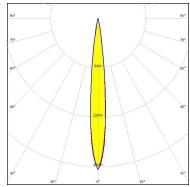
 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 12.0° / 24.0° Efficiency 94 % LEDs/each optic Light colour White

Required components:

### **OSRAM**

OSLON Boost HX (KW CULPM1.TG) LED

FWHM / FWTM 12.0° / 21.0° Efficiency 96 % Peak intensity 19.6 cd/lm LEDs/each optic 1 White Light colour



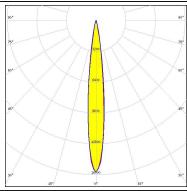
## OSRAM Opto Semiconductors

Required components:

OSLON Square CSSRM2/CSSRM3 LED

FWHM / FWTM 12.0° / 23.0° Efficiency 96 % Peak intensity 15.7 cd/lm LEDs/each optic 1 Light colour White

Required components:



#### **OSRAM**

OSLON Square PC

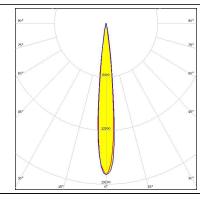
FWHM / FWTM 12.0° Efficiency % LEDs/each optic 1 White Light colour Required components:



## **OPTICAL RESULTS (SIMULATED):**



LED SFH 4170S FWHM / FWTM 12.0° / 19.0° Efficiency 88 % LEDs/each optic 1 IR Light colour Required components:



## OSRAM Opto Semiconductors

LED SFH 4715S FWHM / FWTM 12.0° Efficiency % LEDs/each optic 1 Light colour White Required components:

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# PRODUCT DATASHEET CA12011\_LAURA-SS-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.

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