

### **LAURA-O-PIN**

~40° x 12° oval 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 🕕



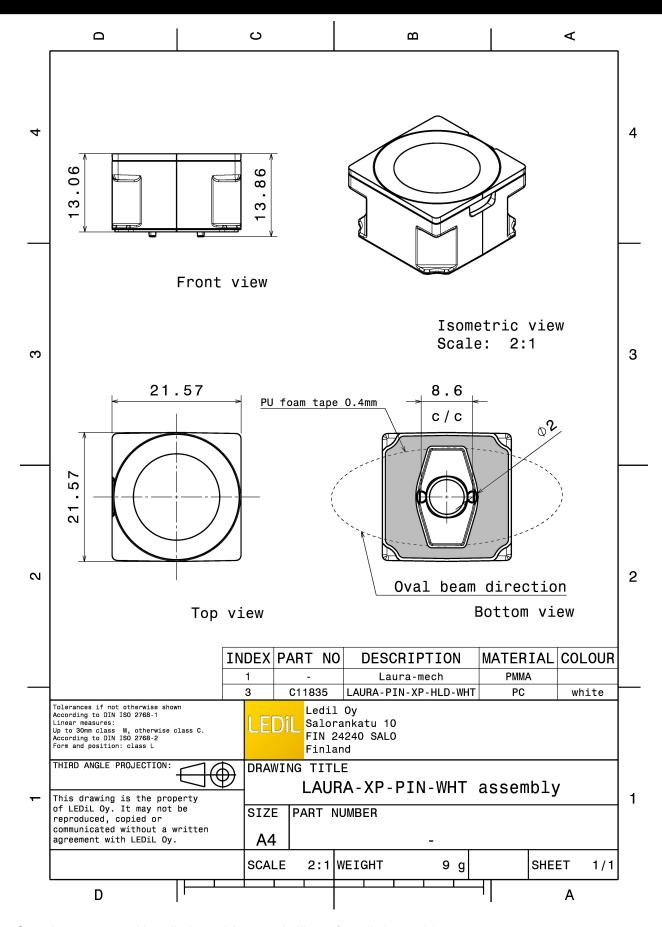
### **MATERIALS:**

Component	Туре	Material	Colour	Finish
LAURA-O	Single lens	PMMA	clear	
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)
CA12012_LAURA-O-PIN	Single lens	1440	360	180	7.5
» Box size: 450 x 260 x 160 mm					

# PRODUCT DATASHEET CA12012\_LAURA-O-PIN



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



### CREE \$\text{LED}

LED XB-D
FWHM / FWTM 39.0 + 11.0°
Efficiency 94 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

### CREE - LED

LED XP-E

FWHM / FWTM 40.0 + 13.0° / 54.0 + 22.0°

Efficiency 91 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

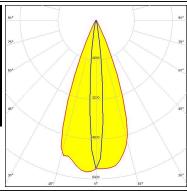
### CREE - LED

LED XP-E2

FWHM / FWTM 41.0 + 10.0° / 56.0 + 22.0°

Efficiency 91 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:





### CREE - LED

LED XP-G
FWHM / FWTM 40.0 + 13.0°
Efficiency 91 %
LEDs/each optic 1
Light colour White
Required components:



### **MUMILEDS**

LED LUXEON Rebel

FWHM / FWTM 41.0 + 12.0° / 56.0 + 24.0°

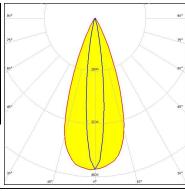
Efficiency 90 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

### LUMILEDS

LED LUXEON Rebel ES FWHM / FWTM 41.0 + 14.0° / 60.0 + 28.0°

Efficiency 90 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:





### **MUMILEDS**

LED LUXEON Z ES

FWHM / FWTM 40.0 + 11.0° / 56.0 + 22.0°

Efficiency 91 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



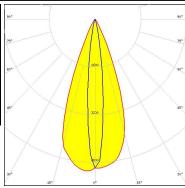
### **WNICHIA**

LED NCSxx19B

FWHM / FWTM 41.0 + 13.0° / 58.0 + 26.0°

Efficiency 90 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



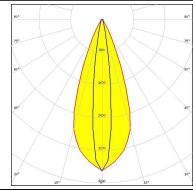




### **OSRAM**

LED OSLON Square EC FWHM / FWTM  $39.0 + 14.0^{\circ} / 57.0 + 31.0^{\circ}$ 

Efficiency 87 % Peak intensity 3.8 cd/lm LEDs/each optic Light colour White Required components:



### **OSRAM**

LED OSLON Square PC FWHM / FWTM 40.0 + 12.0° / 60.0 + 26.0°

Efficiency 88 % Peak intensity 5.1 cd/lm LEDs/each optic 1 White Light colour Required components:



# OSRAM Opto Semiconductors

LED OSLON SSL 150 FWHM / FWTM  $36.0 + 10.0^{\circ} / 23.0 + 52.0^{\circ}$ 

Efficiency 86 % Peak intensity 4.4 cd/lm LEDs/each optic Light colour White Required components:

### **OSRAM**

LED

OSLON SSL 80

FWHM / FWTM 40.0 + 12.0° / 26.0 + 54.0°

Efficiency 86 % Peak intensity 4.5 cd/lm LEDs/each optic White Light colour Required components:



**OSRAM** 

LED SFH 4715S FWHM / FWTM 41.0 + 14.0°

Efficiency %
LEDs/each optic 1
Light colour White
Required components:

OSRAM Opto Semiconductors

LED SFH 4725S

FWHM / FWTM 40.0 + 14.0° / 58.0 + 24.0°

Efficiency %
LEDs/each optic 1
Light colour White
Required components:

SEOUL SENICONDUCTO

LED Z5

FWHM / FWTM 40.0 + 12.0°

Efficiency %
LEDs/each optic 1
Light colour White
Required components:



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



LED LUXEON H50-2

FWHM / FWTM 13.0 + 61.0° / 30.0 + 84.0°

Efficiency 81 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:

### **MILEDS**

LED LUXEON IR Domed 150 FWHM / FWTM 67.0 + 10.0° / 88.0 + 10.0°

Efficiency 0 %
LEDs/each optic 1
Light colour White

Required components:

### **DESCRIPTION** LUMILEDS

LED LUXEON IR Domed 60 FWHM / FWTM 65.0 + 11.0° / 84.0 + 28.0°

Efficiency 90 %
LEDs/each optic 1
Light colour White

Required components:

### **MILEDS**

LED LUXEON IR Domed 90 FWHM / FWTM 63.0 + 11.0° / 83.0 + 24.0°

Efficiency 90 % LEDs/each optic 1 Light colour White

Required components:



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

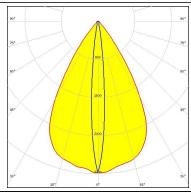
### **WNICHIA**

LED NCSxE17A

FWHM / FWTM 62.0 + 10.0° / 84.0 + 20.0°

Efficiency 91 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White

Required components:



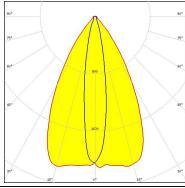
### **WNICHIA**

LED NV4WB35AM

FWHM / FWTM 60.0 + 18.0° / 86.0 + 38.0°

Efficiency 90 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White

Required components:



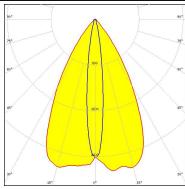
### **WNICHIA**

LED NVSW219F

FWHM / FWTM 60.0 + 14.0° / 84.0 + 30.0°

Efficiency 89 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:



### **WNICHIA**

Required components:

LED NVSxE21A

FWHM / FWTM 62.0 + 12.0° / 84.0 + 24.0°

Efficiency 91 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White

20.



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

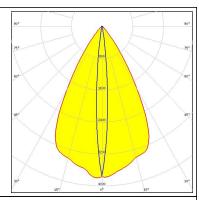
### **OSRAM**

LED OSLON Signal

FWHM / FWTM 60.0 + 8.0° / 80.0 + 18.0°

Efficiency 91 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour Red

Required components:



### **OSRAM**

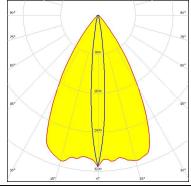
Opto Semiconductor

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 62.0 + 11.0° / 84.0 + 24.0°

Efficiency 91 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:



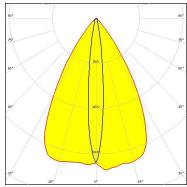
## **SAMSUNG**

LED LM302D

FWHM / FWTM 63.0 + 12.0° / 84.0 + 28.0°

Efficiency 88 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:





# PRODUCT DATASHEET CA12012 LAURA-O-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.

### 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.

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# Local sales and technical support

www.ledil.com/ where\_to\_buy

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