# PRODUCT DATASHEET CA11959\_LAURA-RS-PIN

### LAURA-RS-PIN

~8° spot beam optimized for CREE XP-E. Assembly with white holder, installation tape and location pins.

#### **SPECIFICATION:**

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



#### **MATERIALS:**

» Box size:

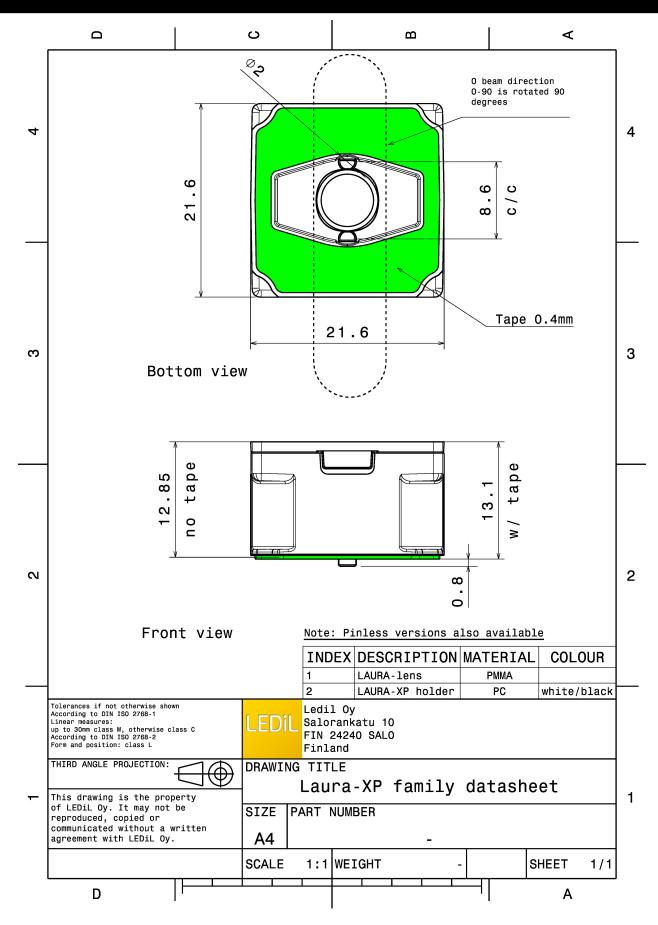
| Component            | Type        | Material     | Colour  | Finish | Length (mm) |
|----------------------|-------------|--------------|---------|--------|-------------|
| LAURA-RS             | Single lens | PMMA         | clear   |        |             |
| LAURA-PIN-XP-HLD-WHT | Holder      | PC           | white   |        |             |
| ROSE-TAPE            | Tape        | Acrylic foam | tamorev |        |             |

#### **ORDERING INFORMATION:**

| Component            | Qty in box | MOQ | MPQ | Box weight (kg) |
|----------------------|------------|-----|-----|-----------------|
| CA11959_LAURA-RS-PIN | 1440       | 360 | 180 | 7.6             |



# PRODUCT DATASHEET CA11959\_LAURA-RS-PIN



See also our general installation guide: www.ledil.com/installation\_guide



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

# CREE -

LED XP-E
FWHM / FWTM 8.0° / 16.0°
Efficiency 93 %
Peak intensity 33.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

# CREE \$

LED XP-G
FWHM / FWTM 11.0°
Efficiency 93 %
LEDs/each optic 1
Light colour/type White
Required components:

## **DESCRIPTION** STATES AND ADDRESS OF THE PROPERTY OF THE PROPER

LED LUXEON Rebel
FWHM / FWTM 7.0° / 16.0°
Efficiency 93 %
Peak intensity 34 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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



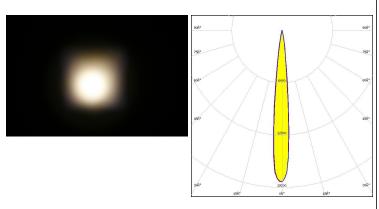
 LED
 LUXEON T

 FWHM / FWTM
 11.0° / 21.0°

 Efficiency
 92 %

 Peak intensity
 18.5 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:

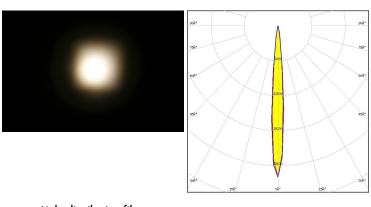


Light distribution files



LED NCSxx19B
FWHM / FWTM 10.0° / 19.0°
Efficiency 91 %
Peak intensity 27.8 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

#### OSRAM Opto Semiconductors

LED OSLON Square EC

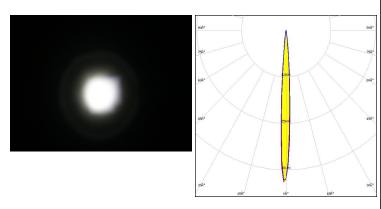
FWHM / FWTM 9.0° / 18.0°
Efficiency 93 %
Peak intensity 20 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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

#### OSRAM Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 7.0° / 14.0°
Efficiency 92 %
Peak intensity 42 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

#### OSRAM Opto Semiconductors

LED SFH 4725S FWHM / FWTM 10.0° / 21.0°

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

Light distribution files



LED Z5
FWHM / FWTM 7.0°
Efficiency %
LEDs/each optic 1
Light colour/type White

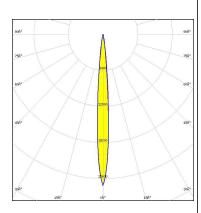
Required components:



# CREE +

XD16 LED FWHM / FWTM 8.6° / 18.0° 94 % Efficiency Peak intensity 26.9 cd/lm LEDs/each optic 1 Light colour/type White

Required components:

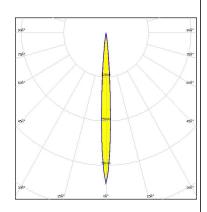


Light distribution files

# CREE \$

XP-E2 LED FWHM / FWTM 8.0° / 14.0° 95 % Efficiency Peak intensity 44 cd/lm LEDs/each optic Light colour/type White

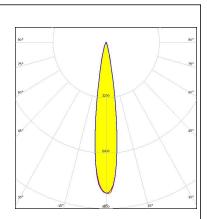
Required components:



Light distribution files

# CREE \$

XP-L2 FWHM / FWTM 16.0° / 30.0° Efficiency 92 % Peak intensity 8.8 cd/lm LEDs/each optic Light colour/type White Required components:



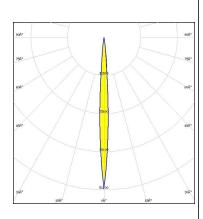
Light distribution files



# CREE +

LED XP-P
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 50.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

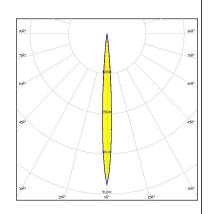


Light distribution files

# CREE -

LED XQ-E HD
FWHM / FWTM 6.0° / 14.0°
Efficiency 94 %
Peak intensity 48.4 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



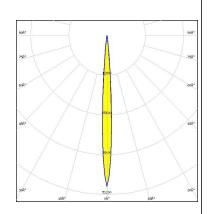
Light distribution files

# CREE -

LED XQ-E HD
FWHM / FWTM 8.0° / 14.0°
Efficiency 93 %
Peak intensity 48.8 cd/lm
LEDs/each optic 1
Light colour/type Green

Required components:

Light distribution files



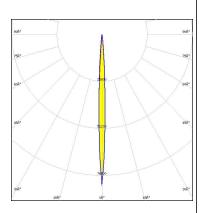
7/16



# CREE \$

LED XQ-E HI FWHM / FWTM 6.0° / 10.0° Efficiency 93 % Peak intensity 82.6 cd/lm LEDs/each optic 1 Light colour/type White

Required components:



Light distribution files



LUXEON H50-2 LFD FWHM / FWTM 12.0° / 23.0° Efficiency 92 % Peak intensity 16.3 cd/lm LEDs/each optic 1

Light colour/type White

Required components:

# **MUMILEDS**

LUXEON HL2Z FWHM / FWTM 10.0° / 20.0° Efficiency 96 % Peak intensity 22.2 cd/lm LEDs/each optic Light colour/type White Required components:

Light distribution files





Required components:

LED LUXEON HL4Z
FWHM / FWTM 12.0° / 22.0°

Efficiency 96 %

Peak intensity 17.8 cd/lm

LEDs/each optic 1

Light colour/type White

Light distribution files



LED LUXEON IR Domed 150 (L1I0-0xxx150000000)

FWHM / FWTM 9.0° / 18.0°
Efficiency 0 %
LEDs/each optic 1
Light colour/type White

Required components:



LED LUXEON IR Domed 60 (L1I0-0xxx060000000)

FWHM / FWTM 9.2° / 20.0°
Efficiency 94 %
LEDs/each optic 1
Light colour/type White
Required components:

Last update: 06/03/2025





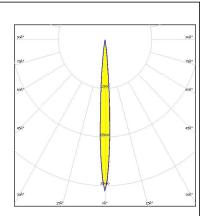
LED LUXEON IR Domed 90 (L1I0-0xxx090000000)

FWHM / FWTM 9.0° / 18.0° Efficiency 94 % LEDs/each optic 1 Light colour/type White Required components:

# LUMILEDS

LUXEON Z ES LFD FWHM / FWTM 8.0° / 15.0° Efficiency 95 % Peak intensity 39.9 cd/lm LEDs/each optic 1 Light colour/type White

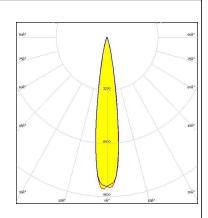
Required components:



Light distribution files



NV4WB35AM FWHM / FWTM 16.0° / 30.0° Efficiency 96 % Peak intensity 9.1 cd/lm LEDs/each optic Light colour/type White Required components:



Light distribution files



## **WNICHIA**

Required components:

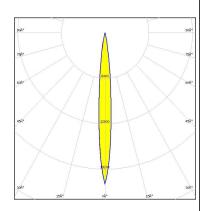
LEDNVSW719ACFWHM / FWTM10.0° / 20.0°Efficiency96 %Peak intensity21.4 cd/lmLEDs/each optic1Light colour/typeWhite

Light distribution files



LED NVSxE21A
FWHM / FWTM 10.0° / 21.0°
Efficiency 94 %
Peak intensity 21.4 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files



LED NVSxx19B/NVSxx19C

FWHM / FWTM 12.0° / 22.0°
Efficiency 94 %
Peak intensity 16.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



#### OSRAM Opto Semiconductors

 LED
 OSCONIQ C 2424

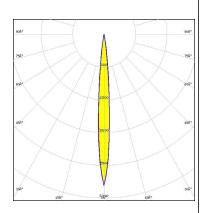
 FWHM / FWTM
 8.0° / 18.0°

 Efficiency
 96 %

Peak intensity 29.6 cd/lm

LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

#### OSRAM Opto Semiconductore

Opto Semicondo

LED OSCONIQ P 3737 (3W version)

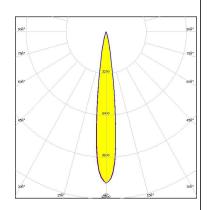
 FWHM / FWTM
 14.0° / 27.0°

 Efficiency
 94 %

 Peak intensity
 11.6 cd/lm

LEDs/each optic 1
Light colour/type White

Required components:



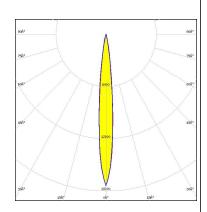
Light distribution files

#### OSRAM Onto Semiconductors

LED OSCONIQ P 3737 Flat

FWHM / FWTM 10.0° / 22.0°
Efficiency 96 %
Peak intensity 18.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files



#### OSRAM Opto Semiconductors

LED OSLON Black Flat (LUW HWQP)

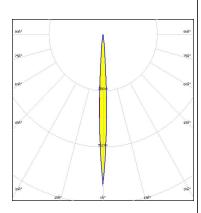
 FWHM / FWTM
 6.0° / 12.0°

 Efficiency
 95 %

 Peak intensity
 68.8 cd/lm

LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

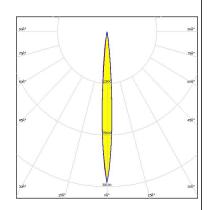
#### OSRAM Opto Semiconductore

LED OSLON Boost HX (KW CULPM1.TG)

 $\begin{array}{lll} \text{FWHM / FWTM} & 8.0^{\circ} / 16.0^{\circ} \\ \text{Efficiency} & 96 \% \\ \text{Peak intensity} & 37.6 \text{ cd/lm} \\ \text{LEDs/each optic} & 1 \\ \end{array}$ 

Light colour/type White

Required components:

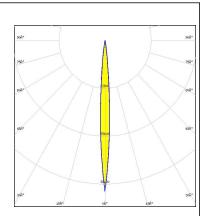


Light distribution files

#### OSRAM Onto Semiconductors

LED OSLON Signal
FWHM / FWTM 8.0° / 16.0°
Efficiency 95 %
Peak intensity 40.5 cd/lm
LEDs/each optic 1
Light colour/type Red

Light colour/type
Required components:



Light distribution files



#### OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 9.5° / 19.0°

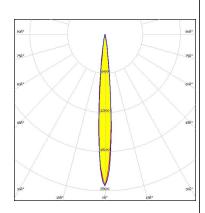
Efficiency 94 %

Peak intensity 24.8 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

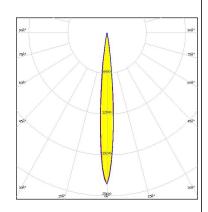


Light distribution files

#### OSRAM Opto Semiconductors

LED SFH 4715AS
FWHM / FWTM 10.0° / 19.0°
Efficiency 94 %
Peak intensity 23.8 cd/lm
LEDs/each optic 1
Light colour/type White

Light colour/type
Required components:



Light distribution files

## **OSRAM**

LED SFH 4715S
FWHM / FWTM 9.5°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

OSRAM Opto Semiconductors

LED SFH 4770S
FWHM / FWTM 10.0° / 23.0°
Efficiency 94 %
LEDs/each optic 1
Light colour/type White

Required components:

## **SAMSUNG**

LED LM301B
FWHM / FWTM 9.0° / 19.0°
Efficiency 94 %
Peak intensity 24.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

Light distribution files



# PRODUCT DATASHEET CA11959 LAURA-RS-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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# Local sales and technical support

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Poznan, Poland Hong Kong, China

#### **Distribution Partners**

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