

## LAURA-SS-PIN

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

### TECHNICAL SPECIFICATIONS:

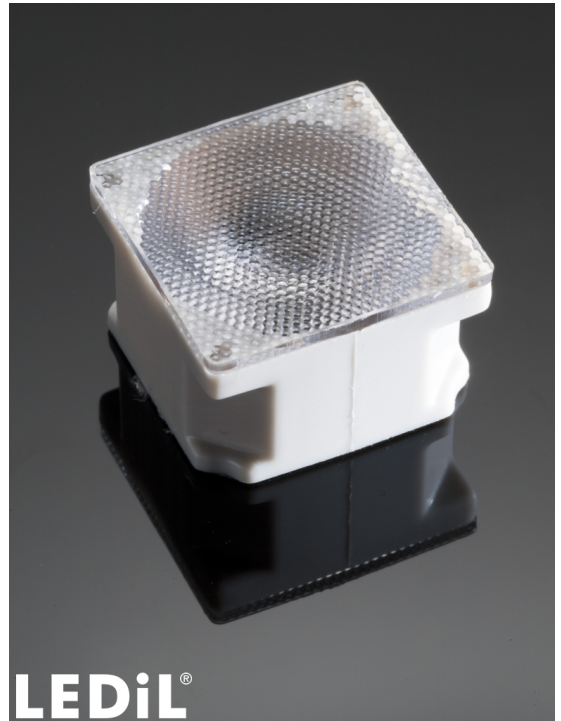
|                |           |
|----------------|-----------|
| Dimensions     | 21.6 mm   |
| Height         | 13.1 mm   |
| Fastening      | tape, pin |
| ROHS compliant | yes ⓘ     |

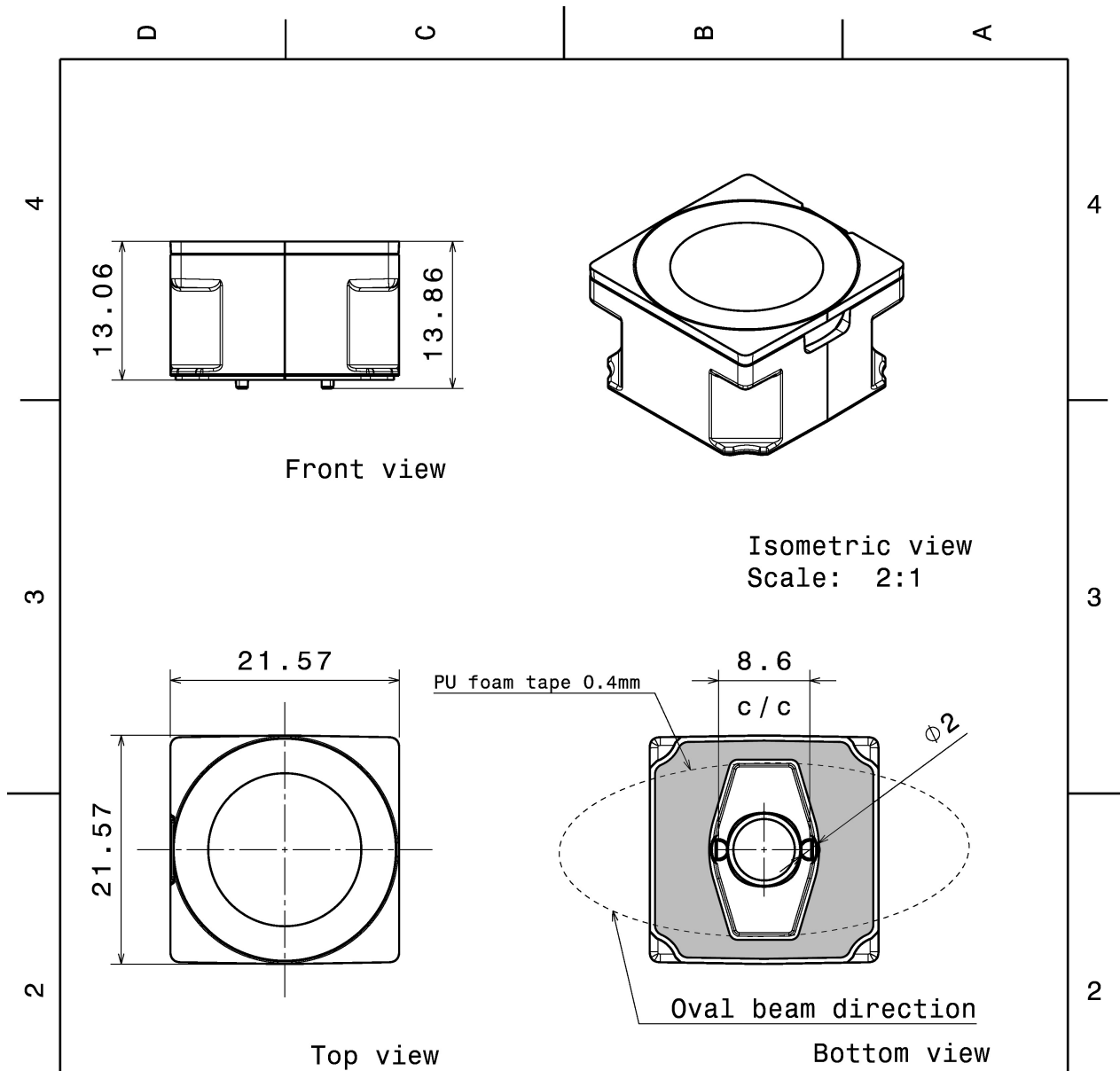
### MATERIAL SPECIFICATIONS:

| 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**

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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

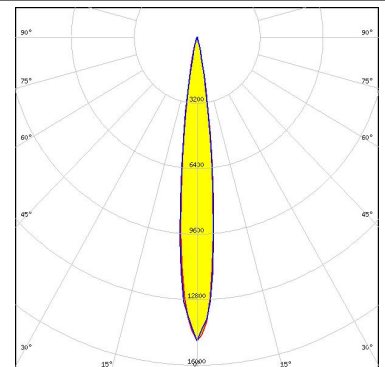
LED XB-D  
FWHM 11.0°  
Efficiency 93 %  
Peak intensity 14.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### 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:



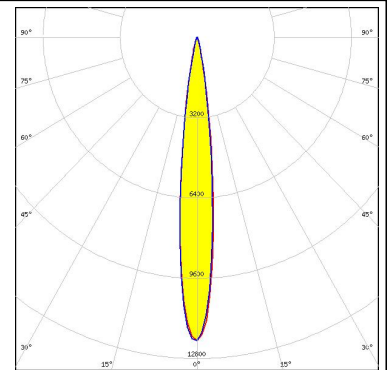
#### CREE

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

#### PHOTOMETRIC DATA (MEASURED):

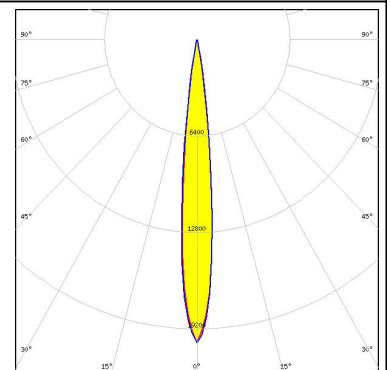
##### LUMILEDS

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



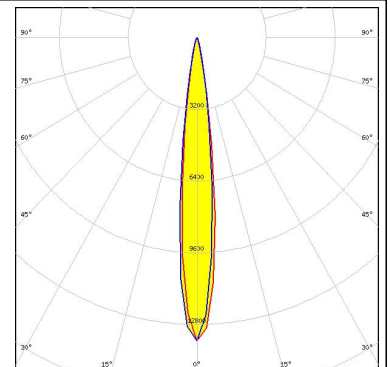
##### LUMILEDS

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



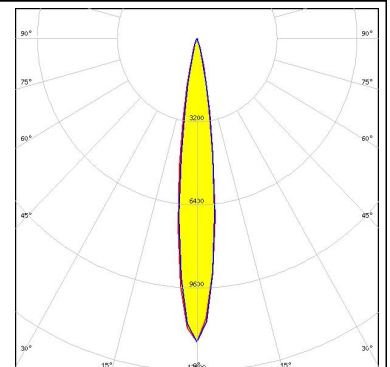
##### NICHIA

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:

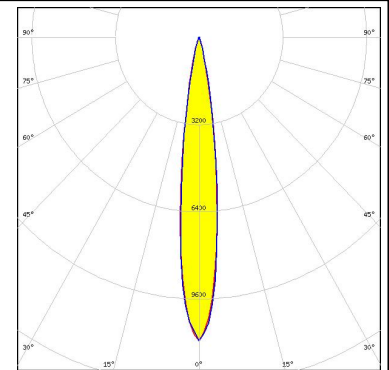
## PHOTOMETRIC DATA (MEASURED):

|   |       |
|---|-------|
|  |       |
| 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:

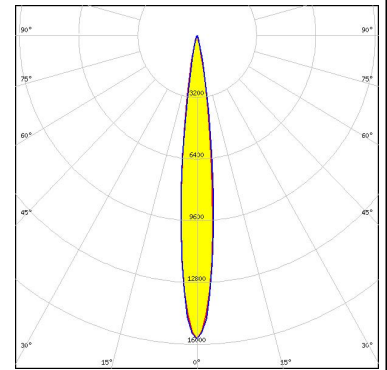


LED LUXEON IR Domed 90  
FWHM 12.0°  
Efficiency 94 %  
LEDs/each optic 1  
Light colour White  
Required components:

#### 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:

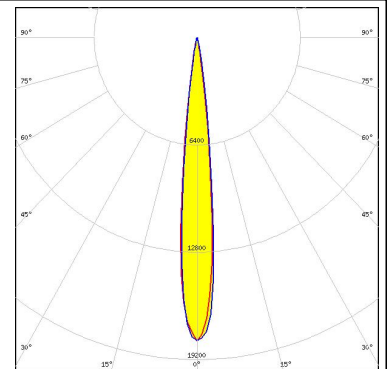


##### OSRAM Opto Semiconductors

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:

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#### Shipping locations

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#### Distribution Partners

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