

## LAURA-M-PIN

~30° medium 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 ⓘ

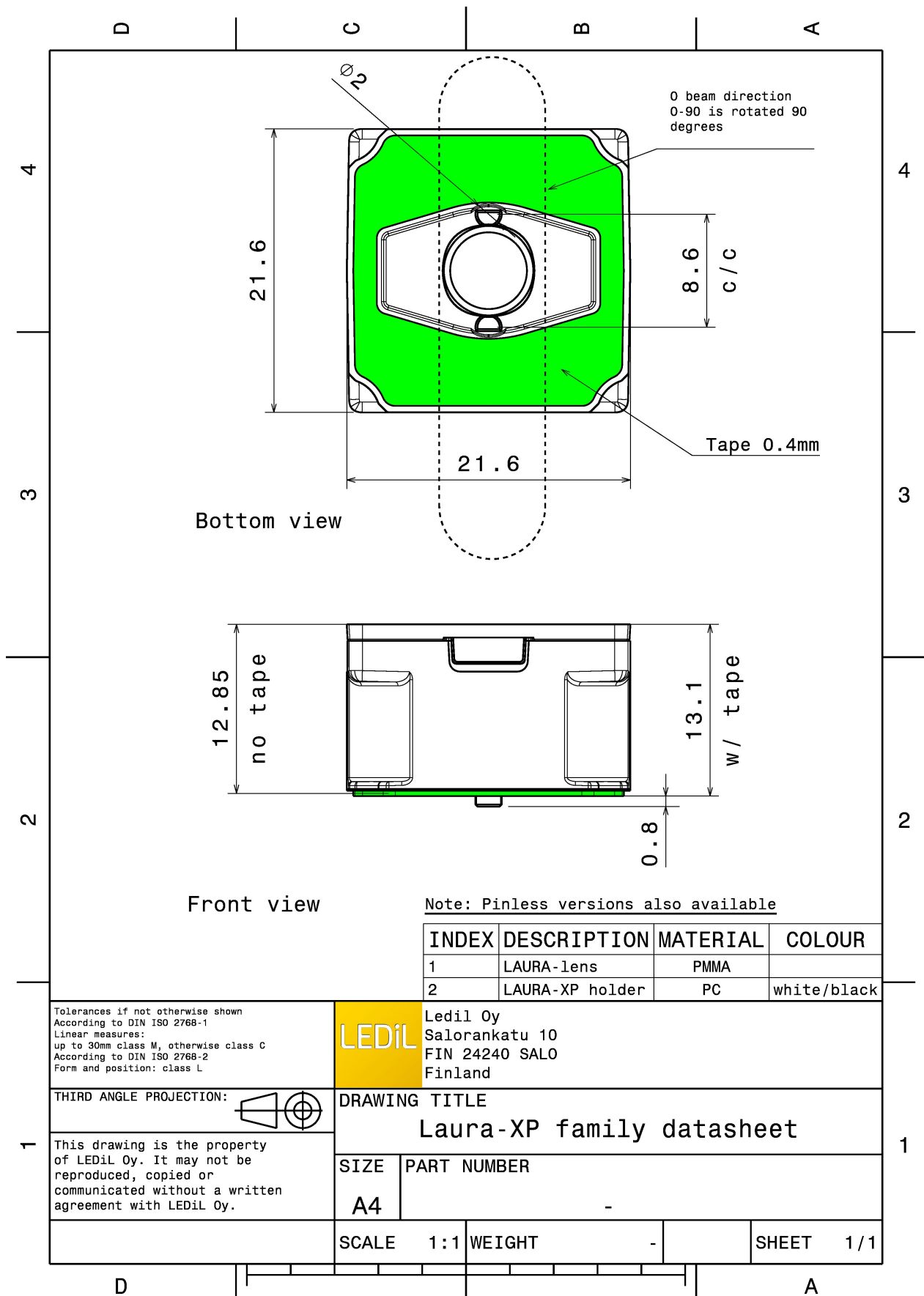
### MATERIAL SPECIFICATIONS:

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

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11837_LAURA-M-PIN	Single lens	1440	360	180	8.0
» Box size: 460 x 260 x 200 mm					





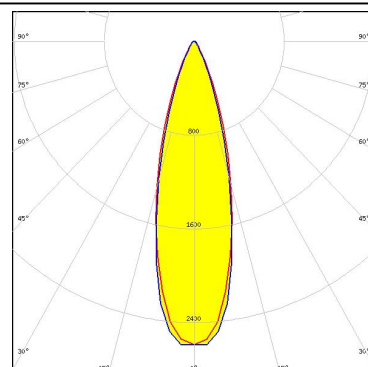
## PHOTOMETRIC DATA (MEASURED):

### CREE

LED XB-D  
FWHM 28.0°  
Efficiency 92 %  
Peak intensity 2.470 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

### CREE

LED XP-E  
FWHM 30.0°  
Efficiency 92 %  
Peak intensity 2.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

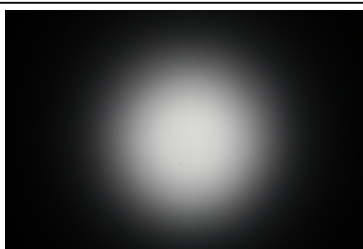


### CREE

LED XP-E-HEW  
FWHM 27.0°  
Efficiency 85 %  
Peak intensity 2.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

### CREE

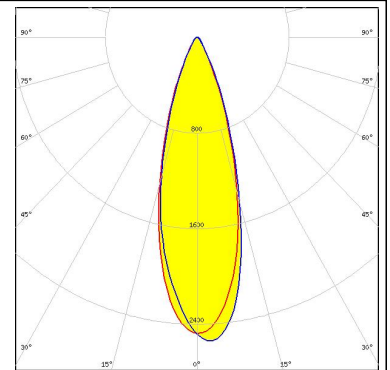
LED XP-E2  
FWHM 28.0°  
Efficiency 88 %  
Peak intensity 2.980 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):



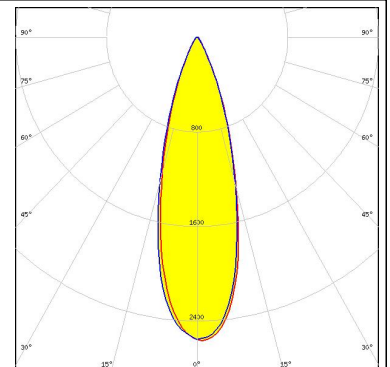
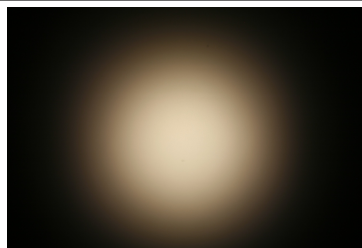
LED XP-G  
FWHM 30.0°  
Efficiency 93 %  
Peak intensity 2.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON Rebel  
FWHM 27.0°  
Efficiency 88 %  
Peak intensity 2.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON T  
FWHM 30.0°  
Efficiency 89 %  
Peak intensity 2.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



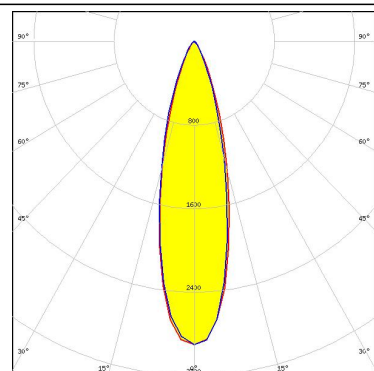
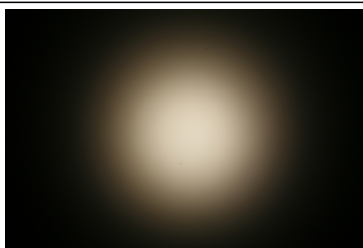
LED LUXEON Z ES  
FWHM 26.0°  
Efficiency 92 %  
Peak intensity 3.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



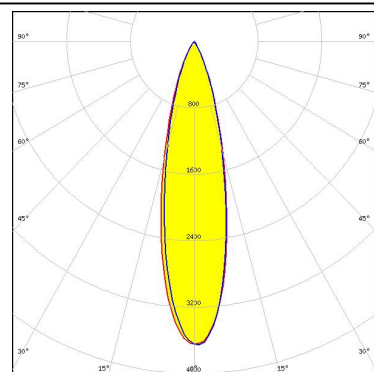
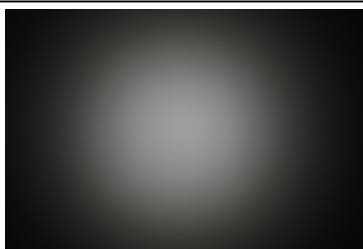
#### PHOTOMETRIC DATA (MEASURED):



LED NCSxx19B  
FWHM 28.0°  
Efficiency 86 %  
Peak intensity 2.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NF2x757D  
FWHM 25.0°  
Efficiency 88 %  
Peak intensity 3.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSLON Square EC  
FWHM 27.0°  
Efficiency 86 %  
Peak intensity 2.420 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSLON SSL 150  
FWHM 26.0°  
Efficiency 87 %  
Peak intensity 2.720 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

## PHOTOMETRIC DATA (MEASURED):

### **OSRAM** Opto Semiconductors

LED OSLON SSL 80  
FWHM 30.0°  
Efficiency 88 %  
Peak intensity 2.430 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

### **OSRAM** Opto Semiconductors

LED SFH 4725S  
FWHM 22.0°  
Efficiency %  
Peak intensity cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



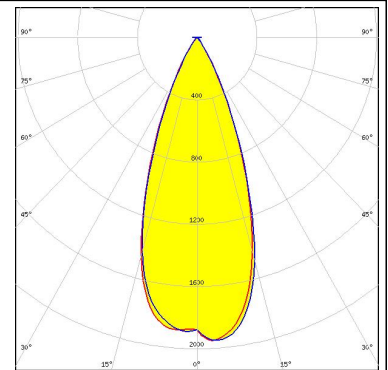
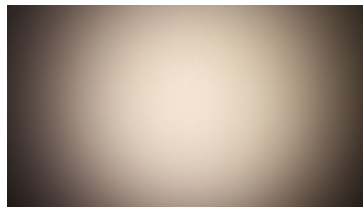
SEOUL SEMICONDUCTOR

LED Z5  
FWHM 29.0°  
Efficiency %  
Peak intensity cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### PHOTOMETRIC DATA (SIMULATED):



LED XP-G3  
 FWHM 39.0°  
 Efficiency 93 %  
 Peak intensity 2.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON H50-2  
 FWHM 32.5°  
 Efficiency 85 %  
 Peak intensity 2.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON IR Domed 150  
 FWHM 20.0°  
 Efficiency 0 %  
 Peak intensity 0.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON IR Domed 60  
 FWHM 25.0°  
 Efficiency 94 %  
 Peak intensity 0.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

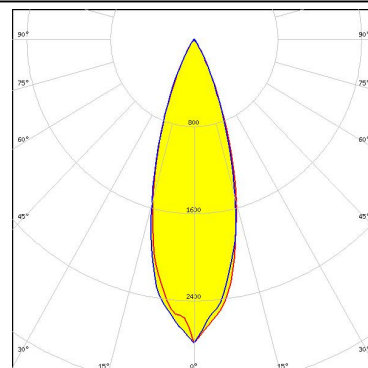
#### PHOTOMETRIC DATA (SIMULATED):



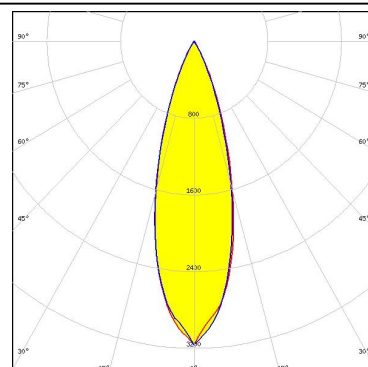
LED LUXEON IR Domed 90  
 FWHM 25.0°  
 Efficiency 94 %  
 Peak intensity 0.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NV4WB35AM  
 FWHM 32.0°  
 Efficiency 96 %  
 Peak intensity 2.787 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSLOM Square CSSRM2/CSSRM3  
 FWHM 30.0°  
 Efficiency 94 %  
 Peak intensity 3.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSLOM Square PC  
 FWHM 29.0°  
 Efficiency %  
 Peak intensity cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



## PHOTOMETRIC DATA (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED	SFH 4715S
FWHM	30.0°
Efficiency	85 %
Peak intensity	cd/lm
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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