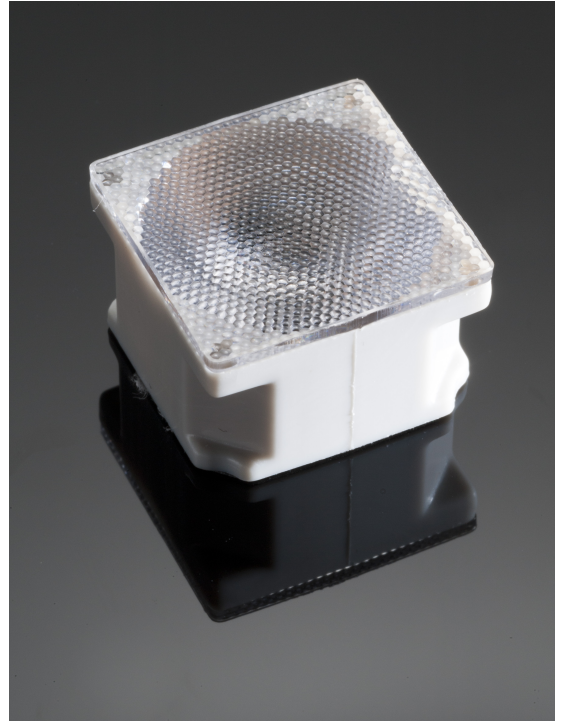


## LAURA-SS-PIN

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

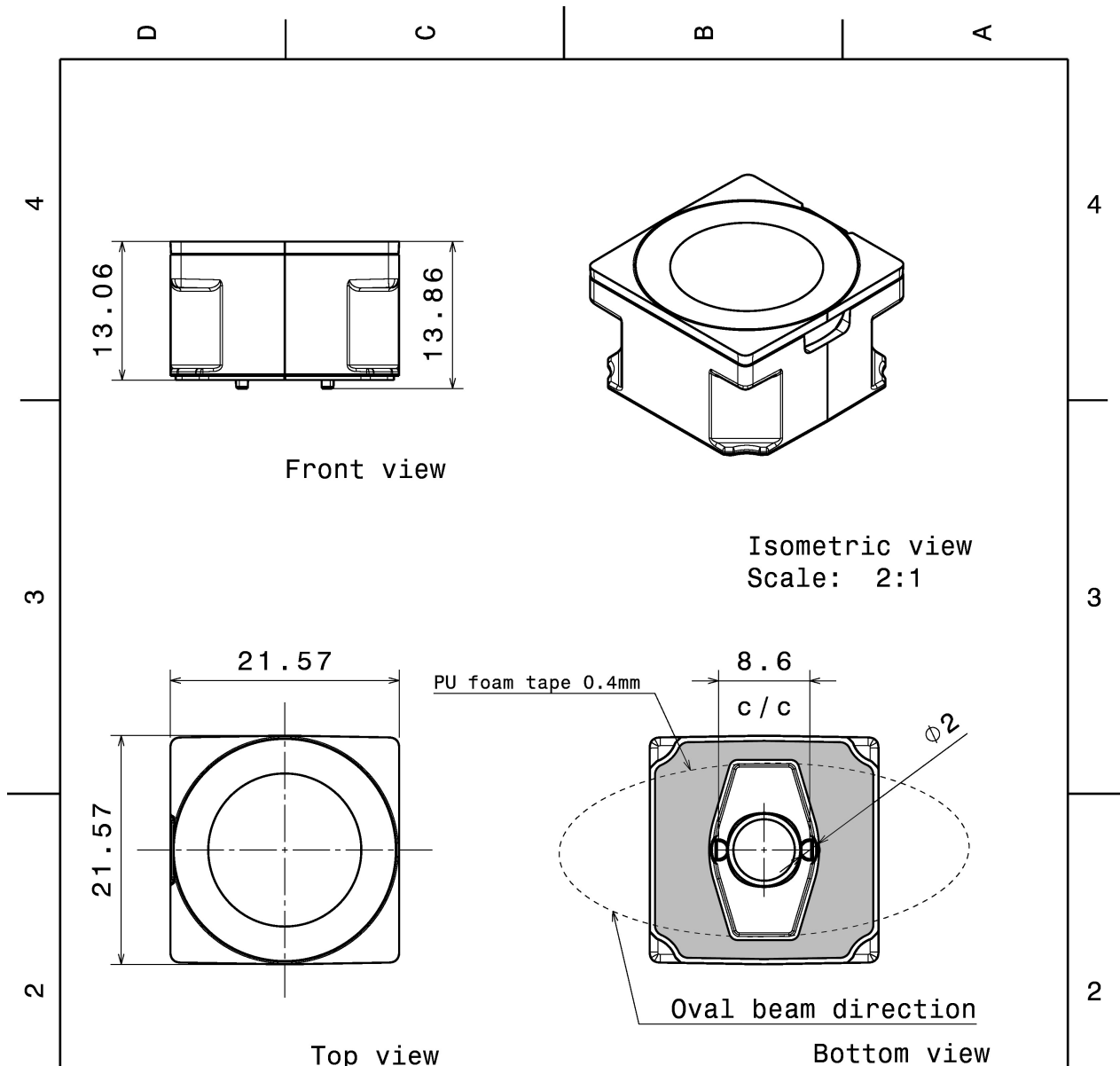
### TECHNICAL SPECIFICATIONS:

Dimensions	21.6 mm
Height	13.1 mm
Fastening	tape, pin
Colour	white
Box size	
Box weight	7.5 kg
Quantity in Box	1440 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
LAURA-SS	Lens	PMMA	
LAURA-PIN-XP-HLD-WHT	Holder	PC	white
ROSE-TAPE	Tape	PU tape	black




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**

Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

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 14.400 cd/lm  
Required components:

### CREE

LED XP-E  
FWHM 11.0°  
Efficiency 93 %  
Peak intensity 16.500 cd/lm  
Required components:

### CREE

LED XP-E-HEW  
FWHM 12.0°  
Efficiency 92 %  
Peak intensity 11.700 cd/lm  
Required components:

### CREE

LED XP-G  
FWHM 12.0°  
Efficiency 94 %  
Peak intensity cd/lm  
Required components:

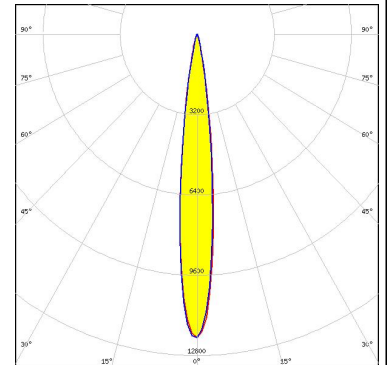
### PHOTOMETRIC DATA (MEASURED):

#### LUMILEDS

LED LUXEON Rebel  
FWHM 11.0°  
Efficiency 92 %  
Peak intensity 16.000 cd/lm  
Required components:

#### LUMILEDS

LED LUXEON T  
FWHM 13.0°  
Efficiency 92 %  
Peak intensity 12.200 cd/lm  
Required components:



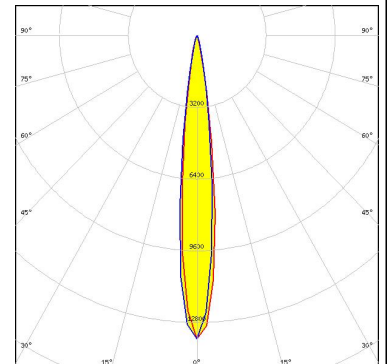
#### LUMILEDS

LED LUXEON Z ES  
FWHM 12.0°  
Efficiency 92 %  
Peak intensity 17.600 cd/lm  
Required components:



#### NICHIA

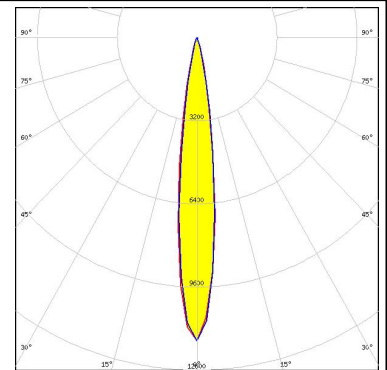
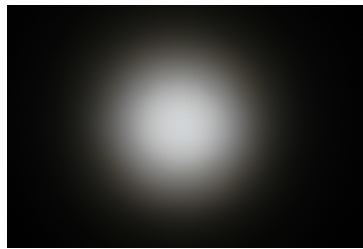
LED NCSxx19B  
FWHM 13.0°  
Efficiency 91 %  
Peak intensity 13.500 cd/lm  
Required components:



**PHOTOMETRIC DATA (MEASURED):**



LED NF2x757D  
FWHM 14.0°  
Efficiency 91 %  
Peak intensity 11.700 cd/lm  
Required components:



LED Oslon Square EC  
FWHM 13.0°  
Efficiency 88 %  
Peak intensity 9.100 cd/lm  
Required components:



LED Oslon SSL 150  
FWHM 11.0°  
Efficiency 91 %  
Peak intensity 12.500 cd/lm  
Required components:



LED Oslon SSL 80  
FWHM 11.0°  
Efficiency 91 %  
Peak intensity 13.500 cd/lm  
Required components:

## PHOTOMETRIC DATA (MEASURED):

**OSRAM**  
Opto Semiconductors

LED SFH 4725S  
FWHM 14.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:

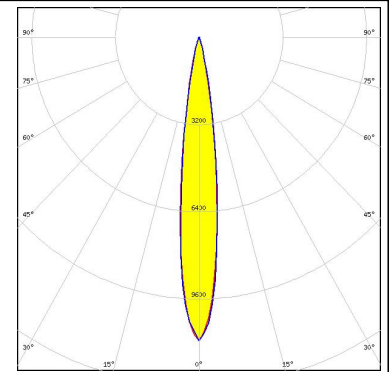
**SEOL**  
SEOUL SEMICONDUCTOR

LED Z5  
FWHM 10.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:

#### PHOTOMETRIC DATA (SIMULATED):



LED XP-G3  
FWHM Asymmetric  
Efficiency 93 %  
Peak intensity 11.100 cd/lm  
Required components:



LED LUXEON IR Domed 150  
FWHM 14.0°  
Efficiency 0 %  
Peak intensity 0.000 cd/lm  
Required components:



LED LUXEON IR Domed 60  
FWHM 12.0°  
Efficiency 94 %  
Peak intensity 0.000 cd/lm  
Required components:



LED LUXEON IR Domed 90  
FWHM 12.0°  
Efficiency 94 %  
Peak intensity 0.000 cd/lm  
Required components:

## PHOTOMETRIC DATA (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED                    Oslon Square PC  
FWHM                12.0°  
Efficiency            %  
Peak intensity      cd/lm  
Required components:

**OSRAM**  
Opto Semiconductors

LED                    SFH 4715S  
FWHM                12.0°  
Efficiency            %  
Peak intensity      cd/lm  
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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