



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## LAURA-M-PIN

~30° medium beam optimized for CREE XP-E.  
Assembly with white holder, installation tape  
and location pins.

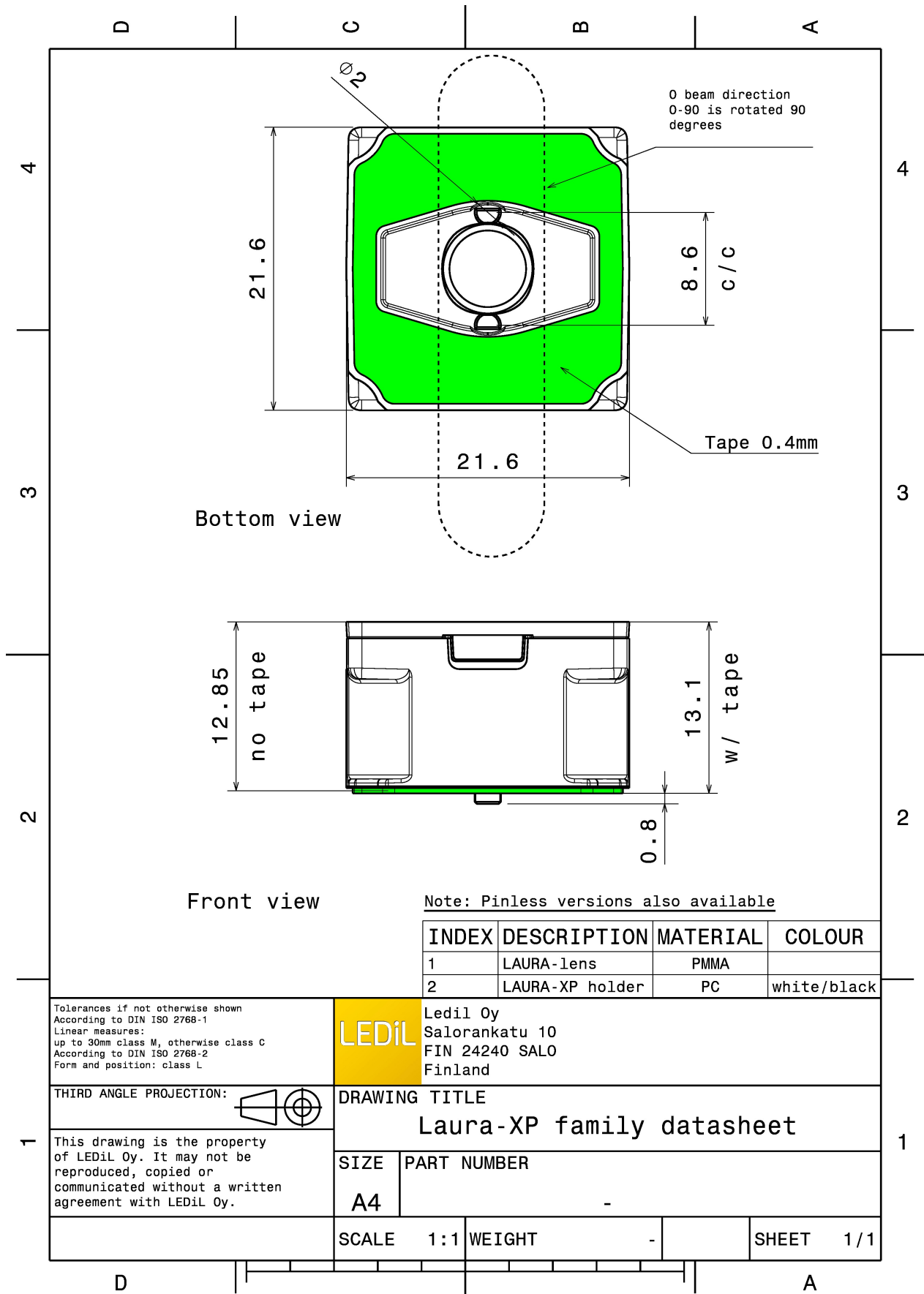
### TECHNICAL SPECIFICATIONS:

Dimensions	21.6 x 21.6 mm
Height	13.1 mm
Fastening	tape, pin
Colour	white
Box size	460 x 260 x 200 mm
Box weight	8 kg
Quantity in Box	1440 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

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



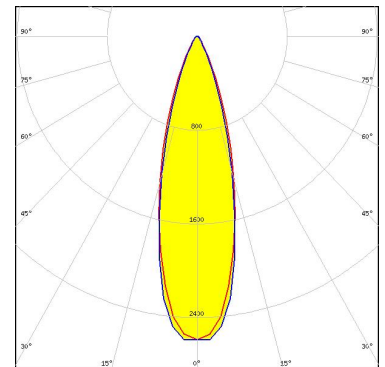
#### PHOTOMETRIC DATA (MEASURED):

#### CREE ⇄

LED XB-D  
FWHM 28.0°  
Efficiency 92 %  
Peak intensity 2.470 cd/lm  
Required components:

#### CREE ⇄

LED XP-E  
FWHM 30.0°  
Efficiency 92 %  
Peak intensity 2.600 cd/lm  
Required components:

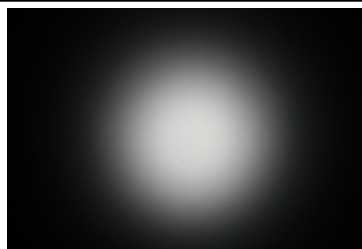


#### CREE ⇄

LED XP-E-HEW  
FWHM 27.0°  
Efficiency 85 %  
Peak intensity 2.600 cd/lm  
Required components:

#### CREE ⇄

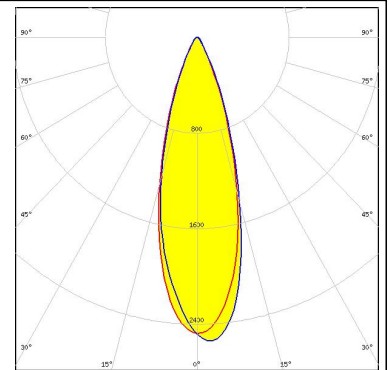
LED XP-E2  
FWHM 28.0°  
Efficiency 88 %  
Peak intensity 2.980 cd/lm  
Required components:



#### PHOTOMETRIC DATA (MEASURED):



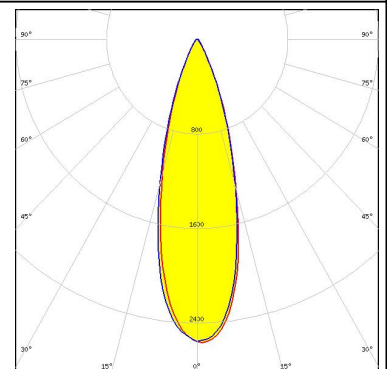
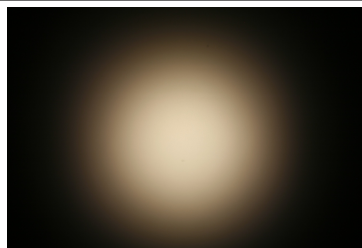
LED XP-G  
FWHM 30.0°  
Efficiency 93 %  
Peak intensity 2.500 cd/lm  
Required components:



LED LUXEON Rebel  
FWHM 27.0°  
Efficiency 88 %  
Peak intensity 2.900 cd/lm  
Required components:



LED LUXEON T  
FWHM 30.0°  
Efficiency 89 %  
Peak intensity 2.400 cd/lm  
Required components:



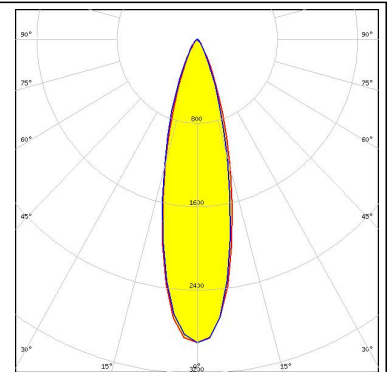
LED LUXEON Z ES  
FWHM 26.0°  
Efficiency 92 %  
Peak intensity 3.600 cd/lm  
Required components:



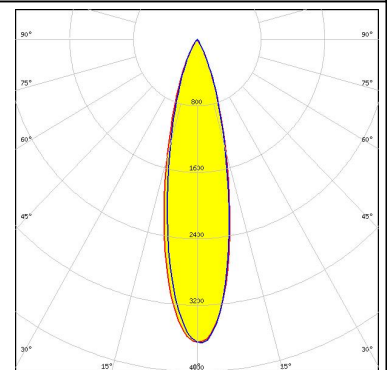
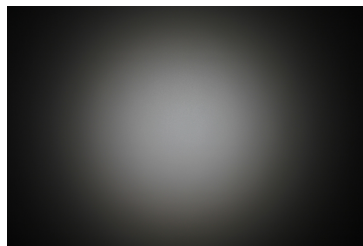
#### PHOTOMETRIC DATA (MEASURED):



LED NCSxx19B  
FWHM 28.0°  
Efficiency 86 %  
Peak intensity 2.900 cd/lm  
Required components:



LED NF2x757D  
FWHM 25.0°  
Efficiency 88 %  
Peak intensity 3.700 cd/lm  
Required components:



LED Oslon Square EC  
FWHM 27.0°  
Efficiency 86 %  
Peak intensity 2.420 cd/lm  
Required components:



LED Oslon SSL 150  
FWHM 26.0°  
Efficiency 87 %  
Peak intensity 2.720 cd/lm  
Required components:

## PHOTOMETRIC DATA (MEASURED):

**OSRAM**  
Opto Semiconductors

LED Oslon SSL 80  
FWHM 30.0°  
Efficiency 88 %  
Peak intensity 2.430 cd/lm  
Required components:

**OSRAM**  
Opto Semiconductors

LED SFH 4725S  
FWHM 22.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:



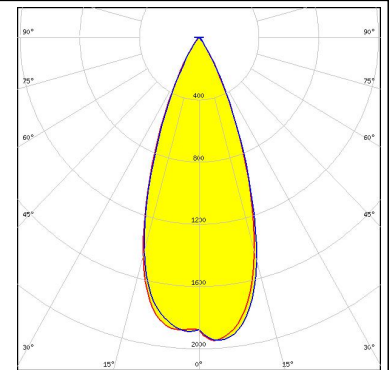
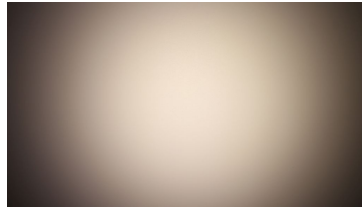
SEOUL SEMICONDUCTOR

LED Z5  
FWHM 29.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:

#### PHOTOMETRIC DATA (SIMULATED):



LED XP-G3  
FWHM 39.0°  
Efficiency 93 %  
Peak intensity 2.000 cd/lm  
Required components:



LED LUXEON H50-2  
FWHM 32.5°  
Efficiency 85 %  
Peak intensity 2.600 cd/lm  
Required components:



LED LUXEON IR Domed 150  
FWHM 20.0°  
Efficiency 0 %  
Peak intensity 0.000 cd/lm  
Required components:



LED LUXEON IR Domed 60  
FWHM 25.0°  
Efficiency 94 %  
Peak intensity 0.000 cd/lm  
Required components:



## PHOTOMETRIC DATA (SIMULATED):

### LUMILEDS

LED LUXEON IR Domed 90  
FWHM 25.0°  
Efficiency 94 %  
Peak intensity 0.000 cd/lm  
Required components:

### OSRAM

Osram Opto Semiconductors

LED Oslon Square PC  
FWHM 29.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:

### OSRAM

Osram Opto Semiconductors

LED SFH 4715S  
FWHM 30.0°  
Efficiency 85 %  
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:

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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