



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!



## Contact us

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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## LAURA-O-WAS-PIN

Oval beam for wall-washing optimized for CREE XP-E. Assembly with white holder, installation tape and location pins.

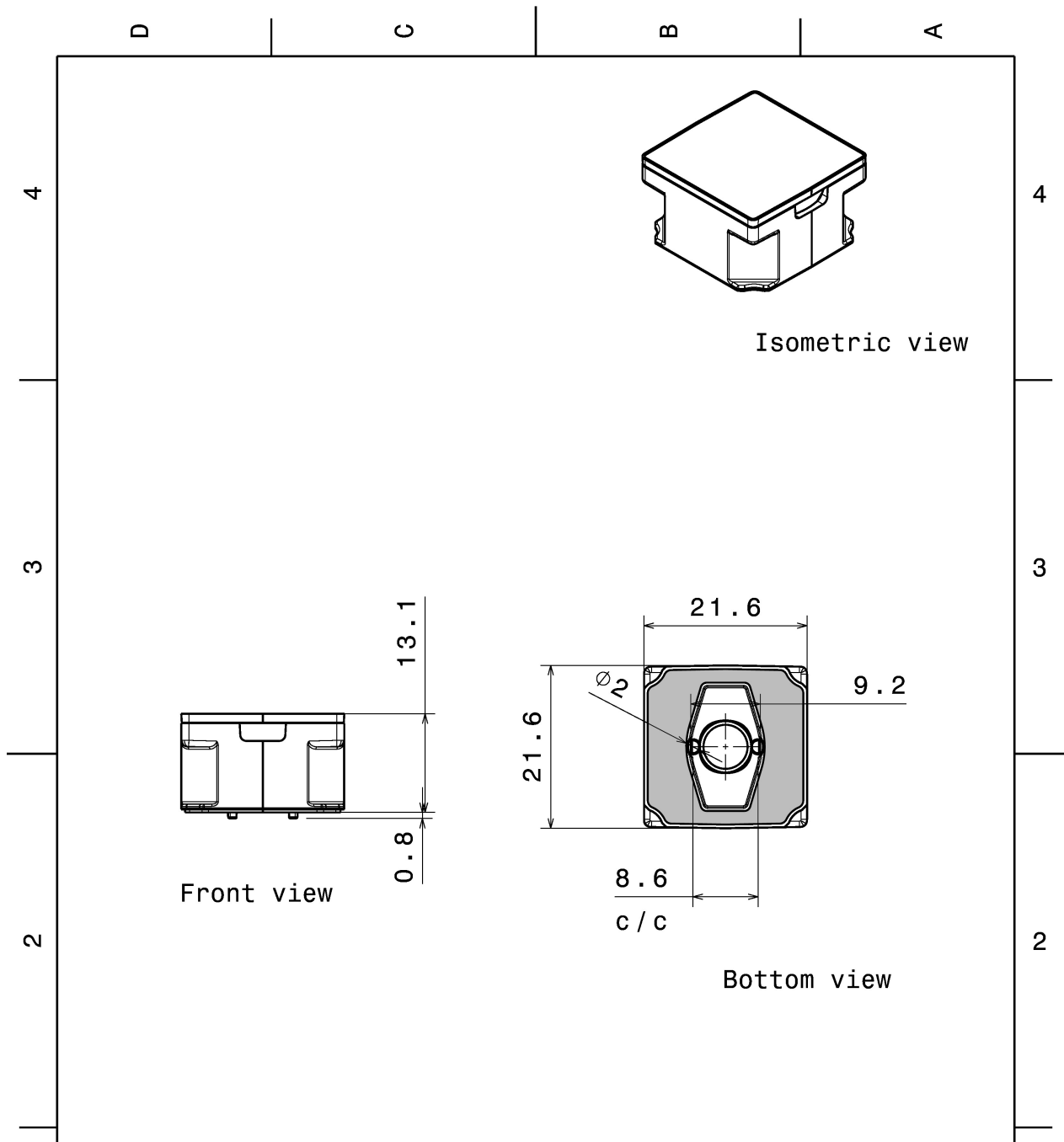
### TECHNICAL SPECIFICATIONS:

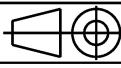
Dimensions	21.6 x 21.6 mm
Height	13.1 mm
Fastening	pin, tape
Colour	white
Box size	
Box weight	7.4 kg
Quantity in Box	1440 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

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

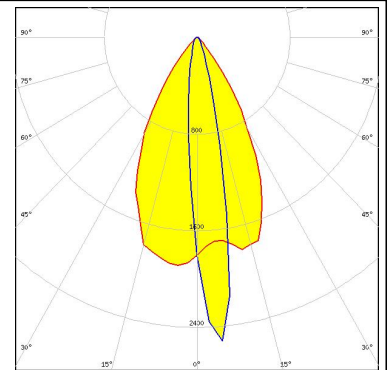
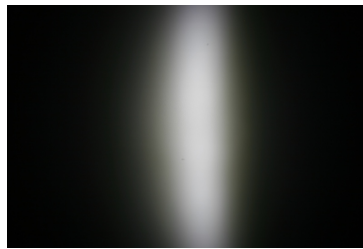


Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class M, otherwise class C. According to DIN ISO 2768-2 Form and position: class L		<b>LEDiL</b>		Ledil Oy Salorankatu 10 FIN 24240 SALO Finland	
THIRD ANGLE PROJECTION: 		<b>DRAWING TITLE</b> <b>LAURA - WAS - PIN - TAPE</b>			
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.		<b>SIZE</b>		<b>PART NUMBER</b>	
		<b>A4</b>		-	
		<b>SCALE</b>	<b>3:2</b>	<b>WEIGHT</b>	-
				<b>SHEET</b>	<b>1/1</b>

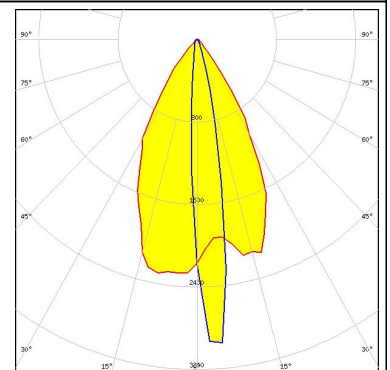
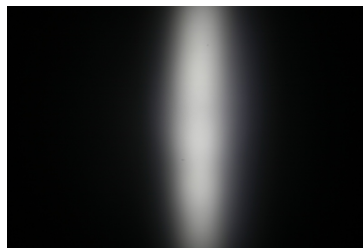
#### PHOTOMETRIC DATA (MEASURED):



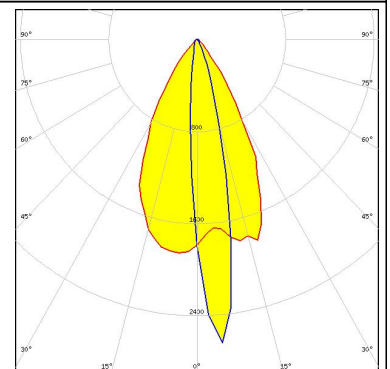
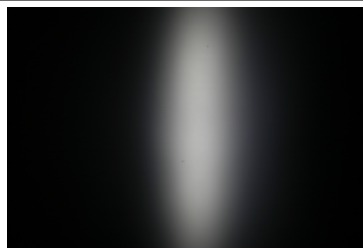
LED XB-D  
 FWHM Asymmetric  
 Efficiency 83 %  
 Peak intensity 2.500 cd/lm  
 Required components:



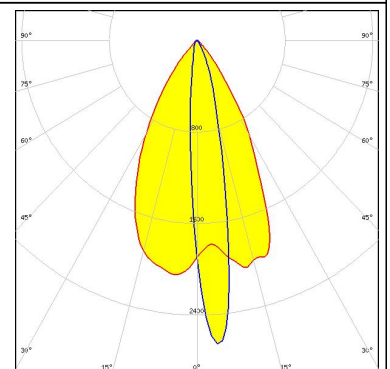
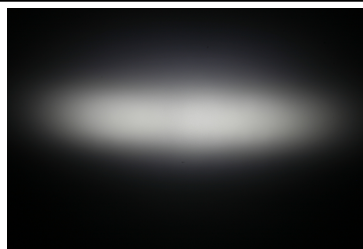
LED XP-E  
 FWHM Asymmetric  
 Efficiency 84 %  
 Peak intensity 3.000 cd/lm  
 Required components:



LED XP-G  
 FWHM Asymmetric  
 Efficiency 84 %  
 Peak intensity 2.600 cd/lm  
 Required components:



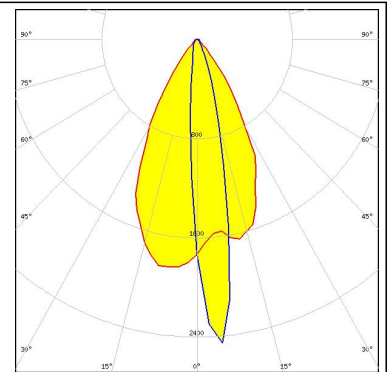
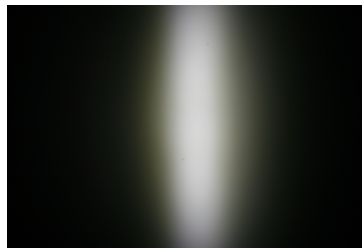
LED XP-G2  
 FWHM Asymmetric  
 Efficiency 83 %  
 Peak intensity 2.900 cd/lm  
 Required components:



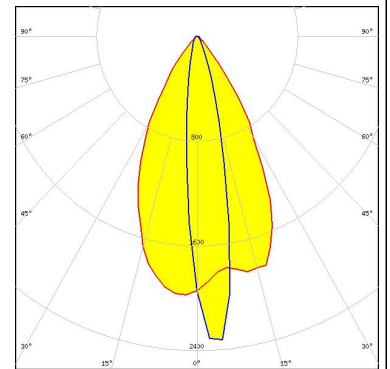
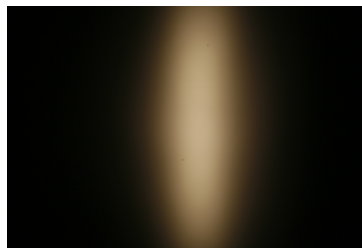
### PHOTOMETRIC DATA (MEASURED):



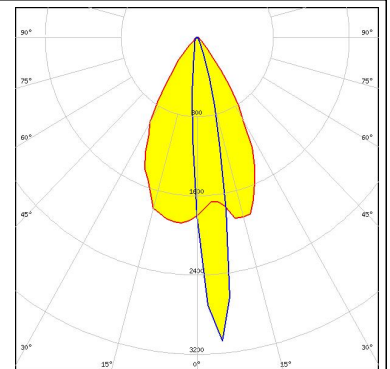
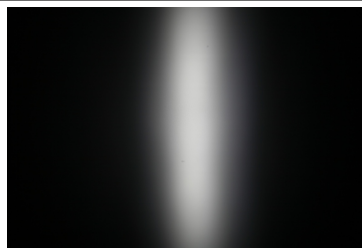
LED XT-E  
FWHM Asymmetric  
Efficiency 83 %  
Peak intensity 2.500 cd/lm  
Required components:



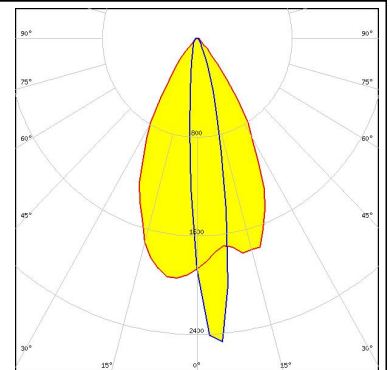
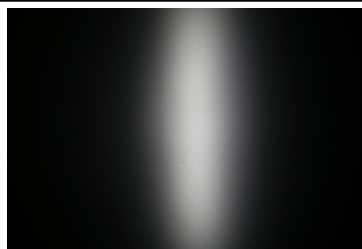
LED LUXEON A  
FWHM Asymmetric  
Efficiency 84 %  
Peak intensity 2.300 cd/lm  
Required components:



LED LUXEON Rebel  
FWHM Asymmetric  
Efficiency 87 %  
Peak intensity 3.100 cd/lm  
Required components:



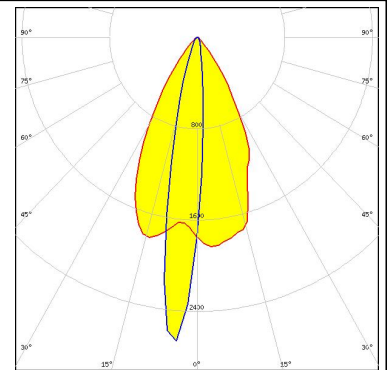
LED NCSxx19A  
FWHM Asymmetric  
Efficiency 83 %  
Peak intensity 2.500 cd/lm  
Required components:



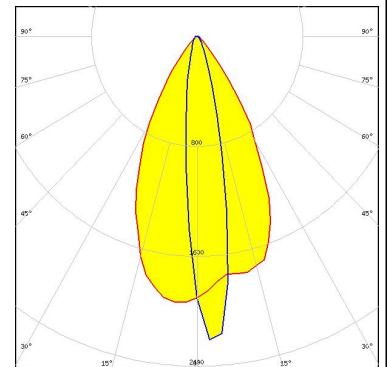
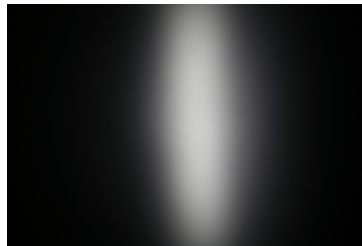
#### PHOTOMETRIC DATA (MEASURED):



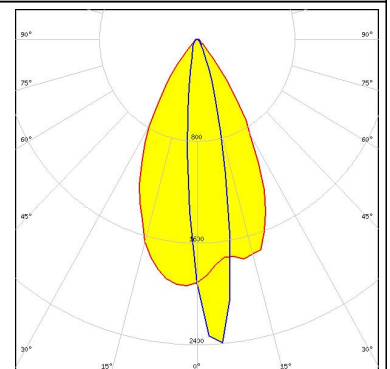
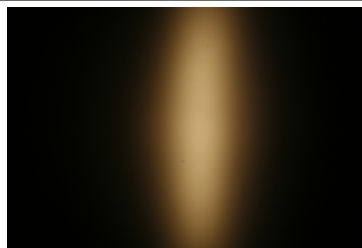
LED NCSxx19B  
 FWHM Asymmetric  
 Efficiency 82 %  
 Peak intensity 3.000 cd/lm  
 Required components:



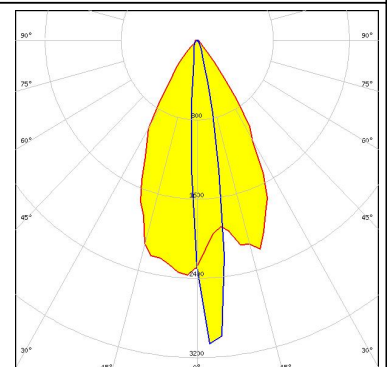
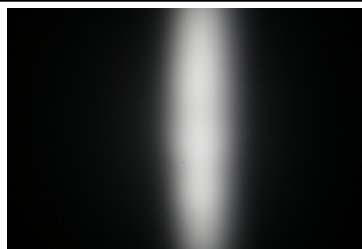
LED NVSxx19A  
 FWHM Asymmetric  
 Efficiency 82 %  
 Peak intensity 2.200 cd/lm  
 Required components:



LED Oslon Square EC  
 FWHM Asymmetric  
 Efficiency 84 %  
 Peak intensity 2.400 cd/lm  
 Required components:



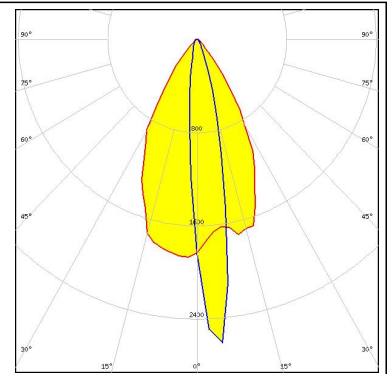
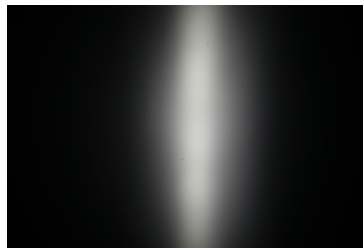
LED Oslon SSL 150  
 FWHM Asymmetric  
 Efficiency 84 %  
 Peak intensity 3.100 cd/lm  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

**OSRAM**  
Opto Semiconductors

LED            Oslon SSL 80  
FWHM        Asymmetric  
Efficiency    83 %  
Peak intensity 2.600 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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