



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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## G2-LAURA-M-P

~30° medium beam. Assembly with thinner white holder, installation tape and location pins.

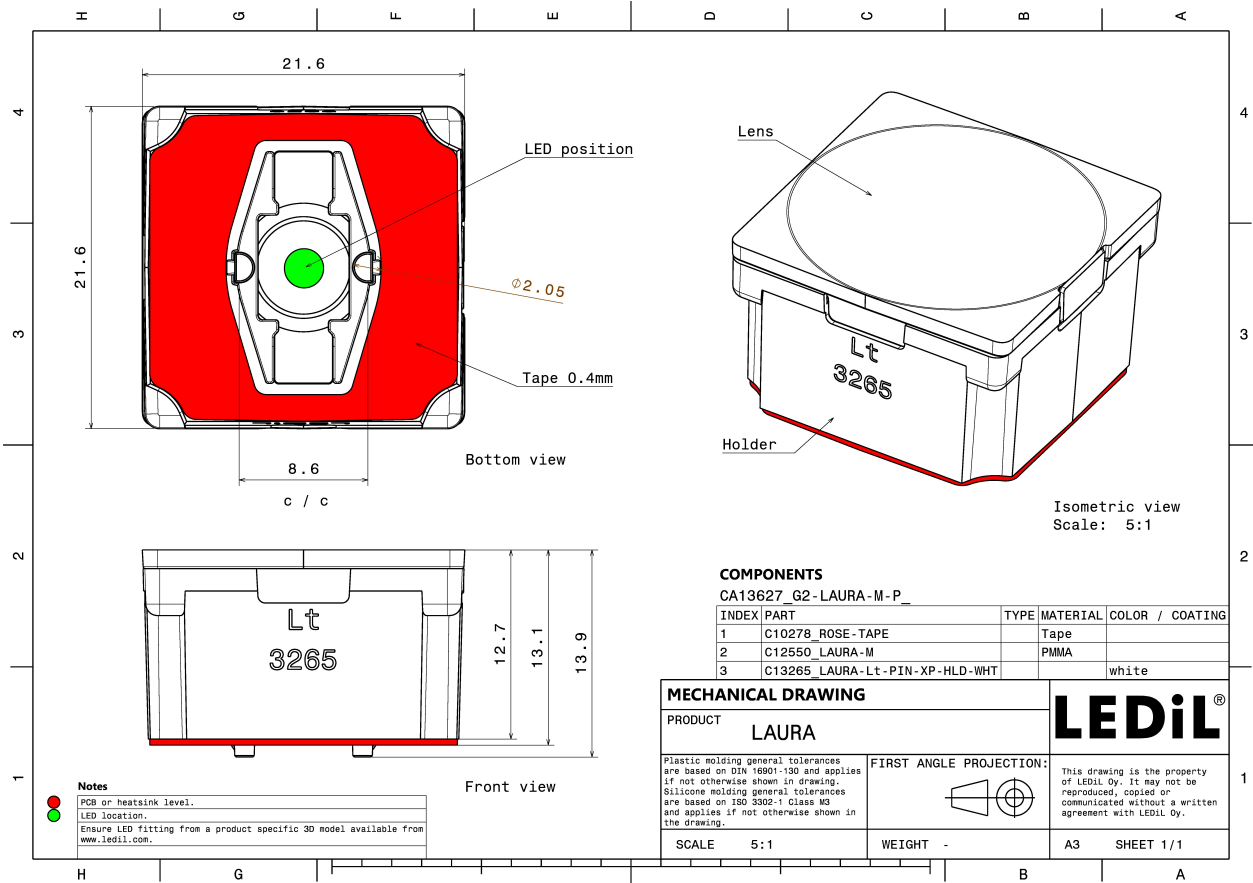
### TECHNICAL SPECIFICATIONS:

Dimensions	21.6 mm
Height	13.1 mm
Fastening	tape, pin
Colour	white
Box size	
Box weight	6.2 kg
Quantity in Box	pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

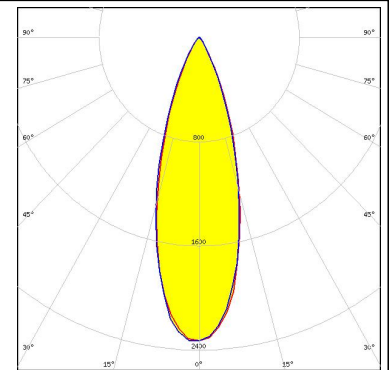
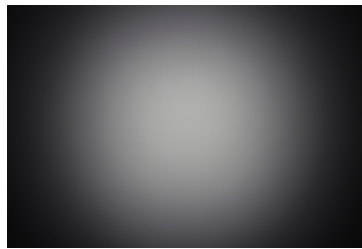
Component	Type	Material	Colour
LAURA-M	Lens	PMMA	clear
LAURA-LT-PIN-XP-HLD-WHT	Holder	PC	white
ROSE-TAPE	Tape	PU tape	black



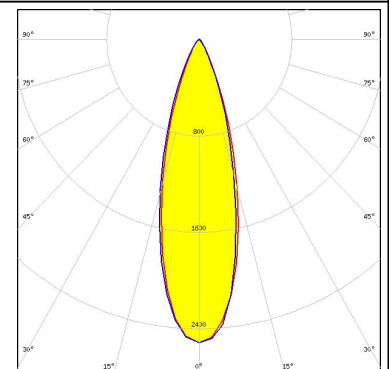
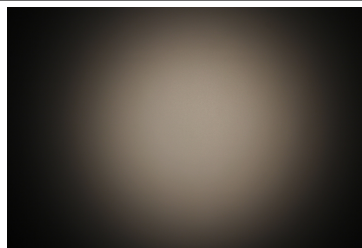
#### PHOTOMETRIC DATA (MEASURED):



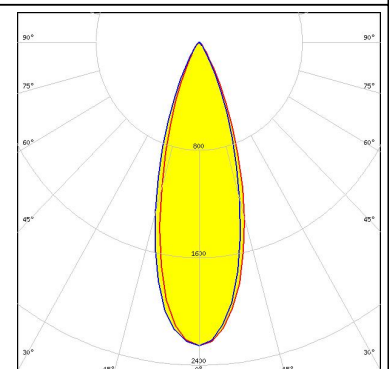
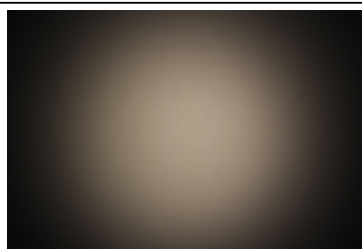
LED XB-H  
 FWHM 33.0°  
 Efficiency 85 %  
 Peak intensity 2.300 cd/lm  
 Required components:



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



LED XP-E2  
 FWHM 31.0°  
 Efficiency 85 %  
 Peak intensity 2.500 cd/lm  
 Required components:

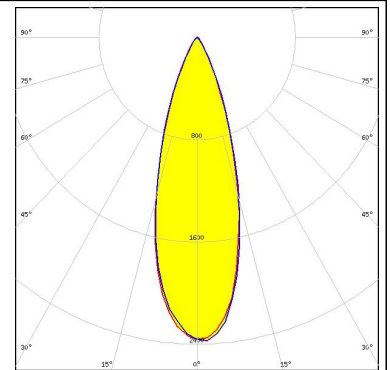
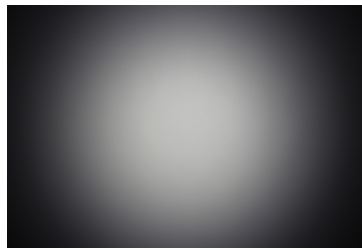


LED XP-G  
 FWHM 33.0°  
 Efficiency 83 %  
 Peak intensity 2.300 cd/lm  
 Required components:

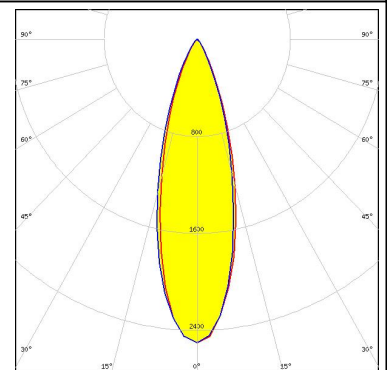
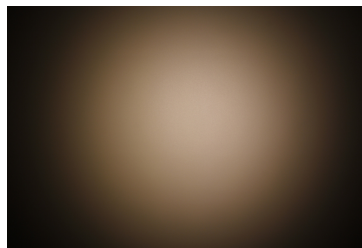
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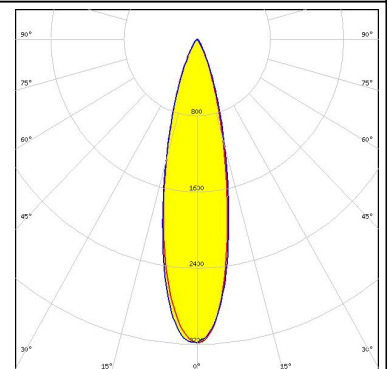
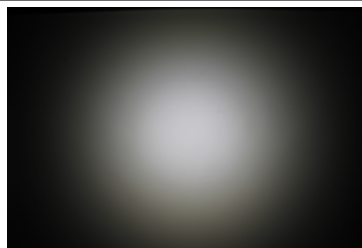
LED XP-G2  
 FWHM 33.0°  
 Efficiency 85 %  
 Peak intensity 2.400 cd/lm  
 Required components:



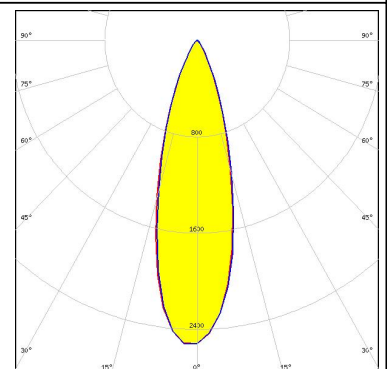
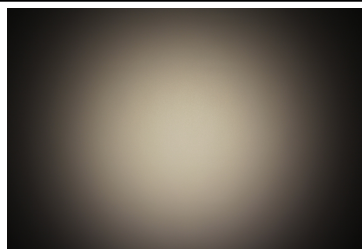
LED XT-E  
 FWHM 31.0°  
 Efficiency 85 %  
 Peak intensity 2.500 cd/lm  
 Required components:




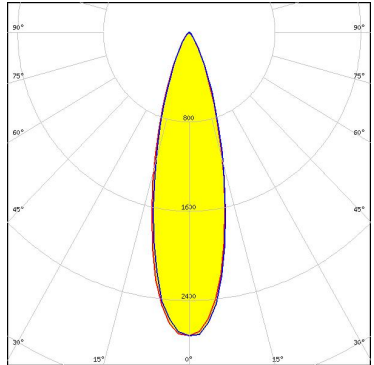
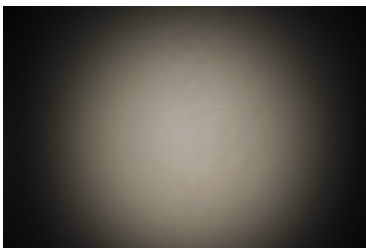
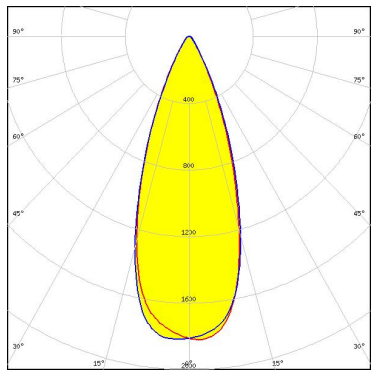

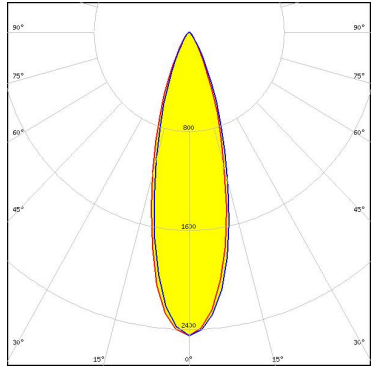
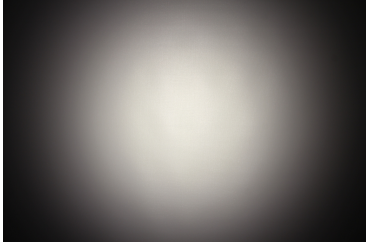

LED LUXEON 3030 2D (Round LES)  
 FWHM 25.0°  
 Efficiency 85 %  
 Peak intensity 3.200 cd/lm  
 Required components:




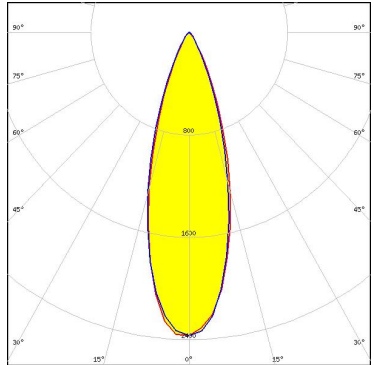
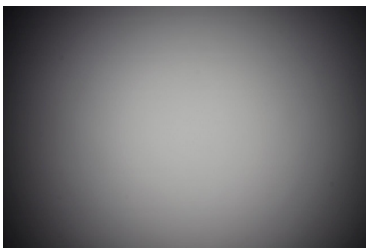
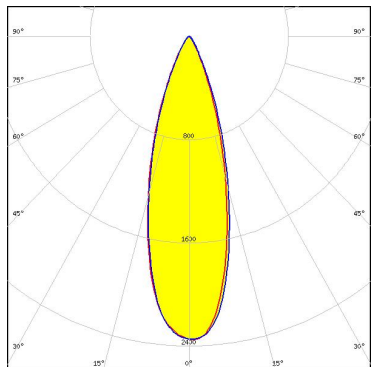
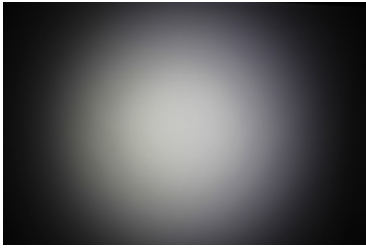
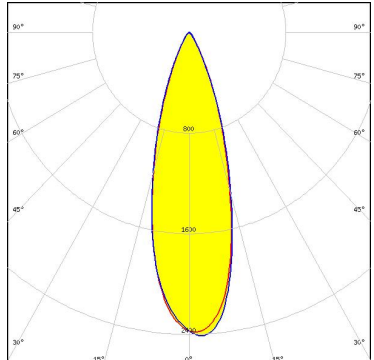
LED LUXEON TX  
 FWHM 30.0°  
 Efficiency 86 %  
 Peak intensity 2.500 cd/lm  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NCSxx19A            FWHM 29.0°            Efficiency 86 %            Peak intensity 2.700 cd/lm            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW219D            FWHM 38.0°            Efficiency 92 %            Peak intensity 1.800 cd/lm            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19A            FWHM 30.0°            Efficiency 85 %            Peak intensity 2.500 cd/lm            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM 28.0°            Efficiency 84 %            Peak intensity 2.800 cd/lm            Required components:</p>		

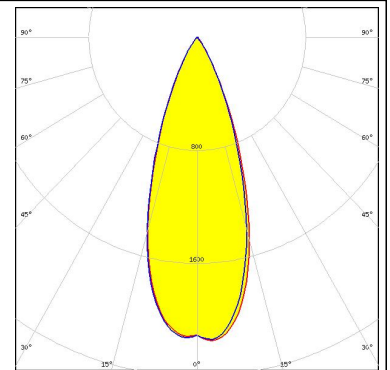
**PHOTOMETRIC DATA (MEASURED):**

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Oslon Square EC            FWHM 32.0°            Efficiency 85 %            Peak intensity 2.400 cd/lm            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Oslon Square PC            FWHM 31.0°            Efficiency 84 %            Peak intensity 2.400 cd/lm            Required components:</p>		
<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2            FWHM 30.0°            Efficiency 84 %            Peak intensity 2.430 cd/lm            Required components:</p>		

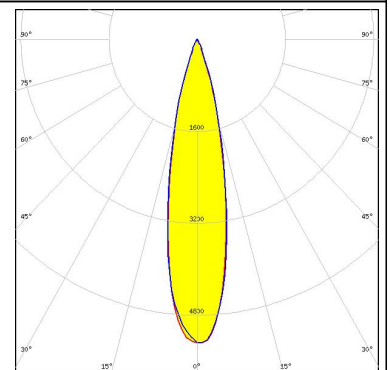
**PHOTOMETRIC DATA (SIMULATED):**



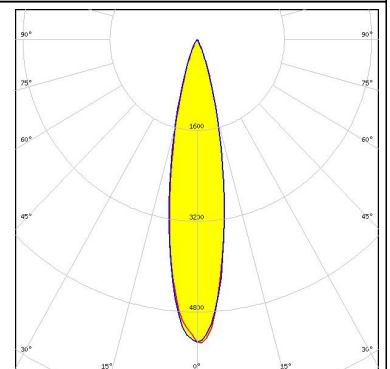
LED XHP35 HI  
FWHM 28.0°  
Efficiency 93 %  
Peak intensity 2.150 cd/lm  
Required components:



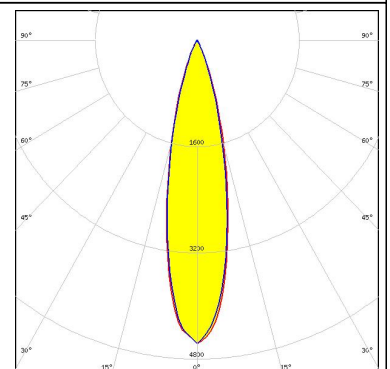
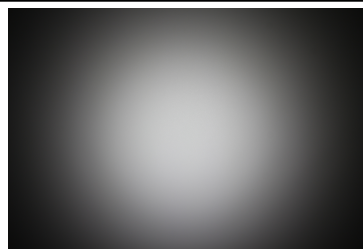
LED Oslon Black  
FWHM 22.0°  
Efficiency 97 %  
Peak intensity 5.300 cd/lm  
Required components:



LED Oslon Black Flat  
FWHM 21.0°  
Efficiency 94 %  
Peak intensity 5.400 cd/lm  
Required components:



LED Oslon Square Flat  
FWHM 24.0°  
Efficiency 97 %  
Peak intensity 4.580 cd/lm  
Required components:

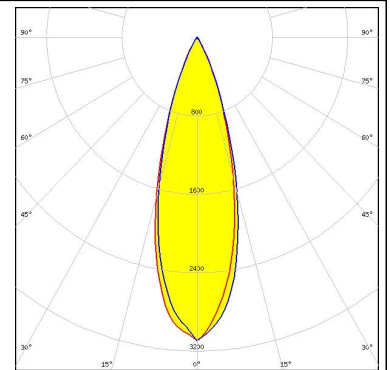




### PHOTOMETRIC DATA (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED Oslon SSL 150  
FWHM 30.0°  
Efficiency 94 %  
Peak intensity 3.100 cd/lm  
Required components:



**OSRAM**  
Opto Semiconductors

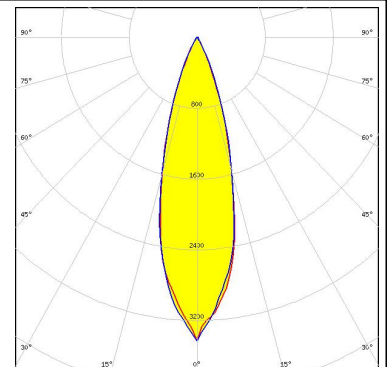
LED SFH 4770S  
FWHM 27.0°  
Efficiency 88 %  
Peak intensity cd/lm  
Required components:



**SEOL**

SEOUL SEMICONDUCTOR

LED Z8Y22P  
FWHM 29.0°  
Efficiency 96 %  
Peak intensity 3.420 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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