



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

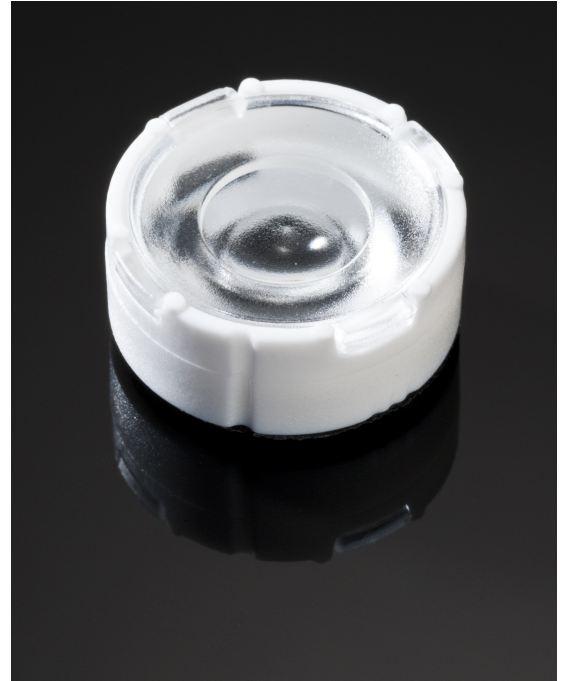


## TINA3-WW

~55° wide beam. Assembly with holder and installation tape.

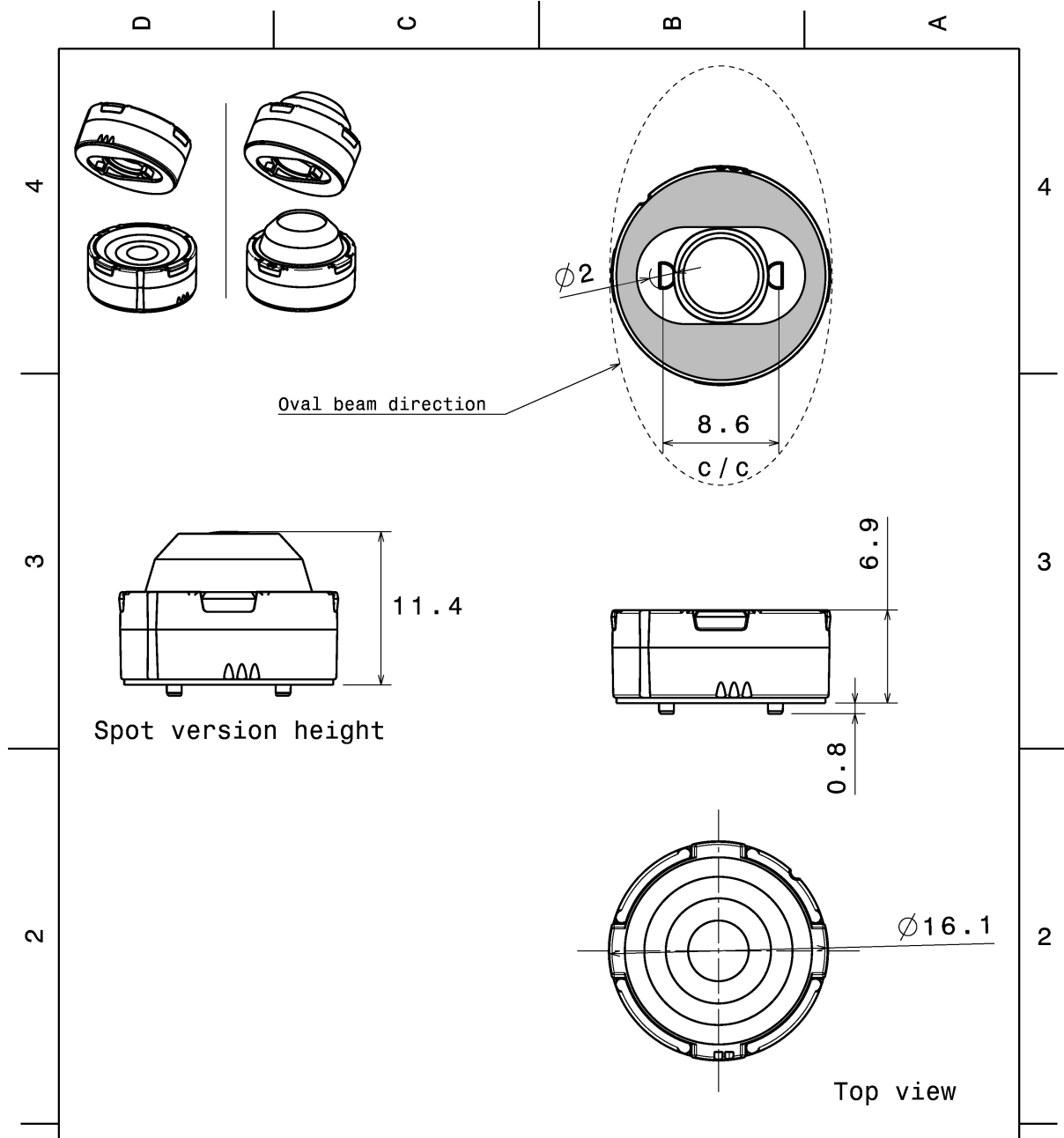
### TECHNICAL SPECIFICATIONS:

|                 |                    |
|-----------------|--------------------|
| Dimensions      | Ø 16.1 mm          |
| Height          | 6.9 mm             |
| Fastening       | tape, pin          |
| Colour          | white              |
| Box size        | 451 x 241 x 298 mm |
| Box weight      | 8.6 kg             |
| Quantity in Box | 5750 pcs           |
| ROHS compliant  | yes ⓘ              |



### MATERIAL SPECIFICATIONS:

| Component          | Type   | Material | Colour |
|--------------------|--------|----------|--------|
| TINA3-WW           | Lens   | PMMA     | clear  |
| TINA3-HLD-PIN-TAPE | Holder | PC       | white  |
| TINA-TAPE3         | Tape   | PU tape  | black  |

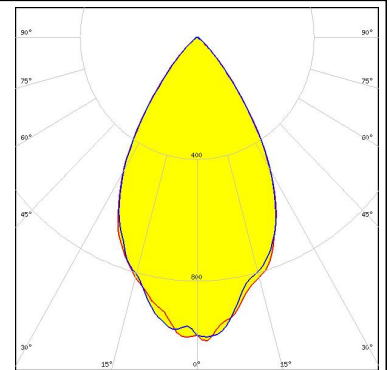
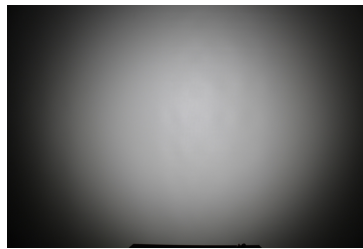


|   |  |  |                         |
|---|--|--|-------------------------|
| Tolerances if not otherwise shown<br>According to DIN ISO 2768-1<br>Linear measures:<br>Up to 30mm class M, otherwise class C.<br>According to DIN ISO 2768-2<br>Form and position: class L |  | <b>LEDiL</b> LediL Oy<br>Salorankatu 10<br>FIN 24240 SALO<br>Finland |                         |
| THIRD ANGLE PROJECTION:   |  | <b>DRAWING TITLE</b><br>TINA3 Datasheet                              |                         |
| 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><br>A4  | <b>PART NUMBER</b><br>- |
| <b>SCALE</b> 4:3  |  | <b>WEIGHT</b> -  | <b>SHEET</b> 1/1        |

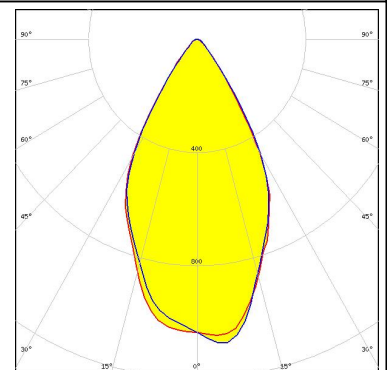
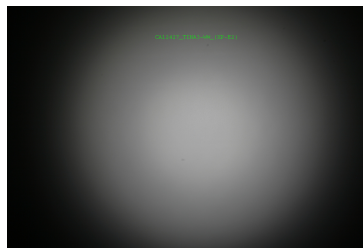
**PHOTOMETRIC DATA (MEASURED):**



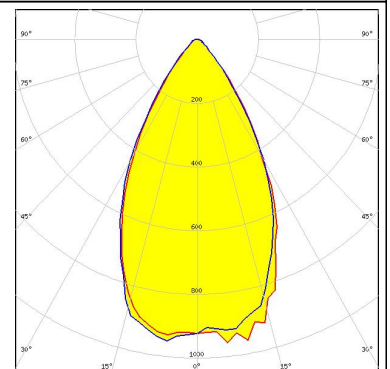
LED XHP35 HI  
FWHM 60.0°  
Efficiency 92 %  
Peak intensity 0.900 cd/lm  
Required components:



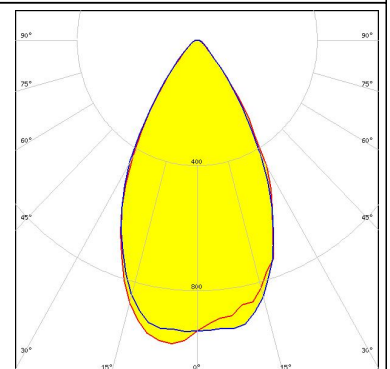
LED XP-E2  
FWHM 58.0°  
Efficiency 89 %  
Peak intensity 1.100 cd/lm  
Required components:



LED XP-G  
FWHM 58.0°  
Efficiency 89 %  
Peak intensity 1.000 cd/lm  
Required components:



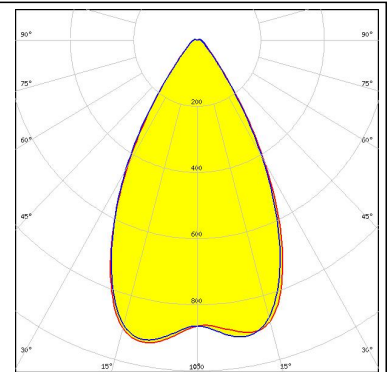
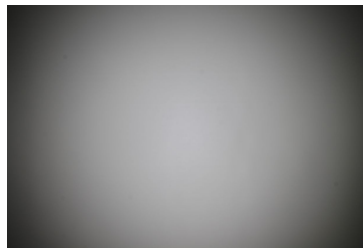
LED XP-G2  
FWHM 59.0°  
Efficiency 90 %  
Peak intensity 0.900 cd/lm  
Required components:



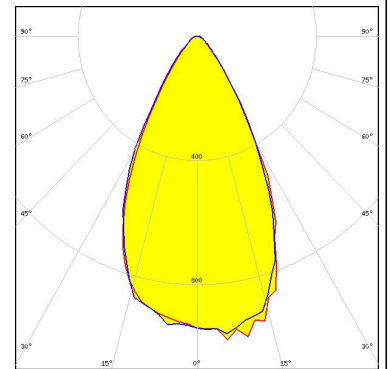
#### PHOTOMETRIC DATA (MEASURED):



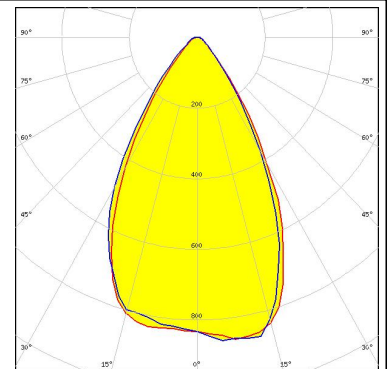
LED XP-L HI  
FWHM 58.0°  
Efficiency 92 %  
Peak intensity 0.940 cd/lm  
Required components:



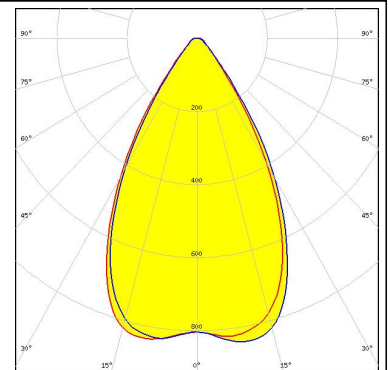
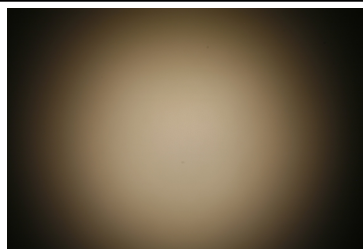
LED XT-E  
FWHM 56.0°  
Efficiency 87 %  
Peak intensity 1.000 cd/lm  
Required components:



LED LUXEON A  
FWHM 58.0°  
Efficiency 89 %  
Peak intensity 0.900 cd/lm  
Required components:



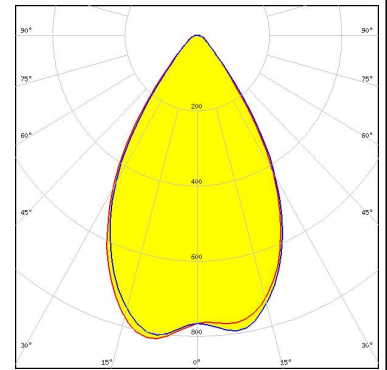
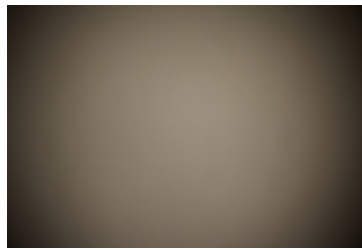
LED LUXEON T  
FWHM 61.0°  
Efficiency 87 %  
Peak intensity 0.900 cd/lm  
Required components:



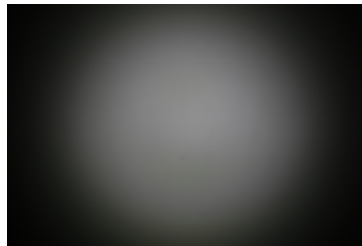
**PHOTOMETRIC DATA (MEASURED):**



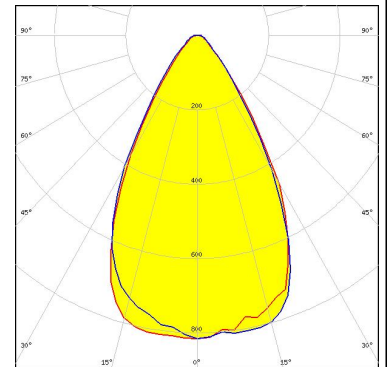
LED LUXEON TX  
FWHM 63.0°  
Efficiency 87 %  
Peak intensity 0.820 cd/lm  
Required components:



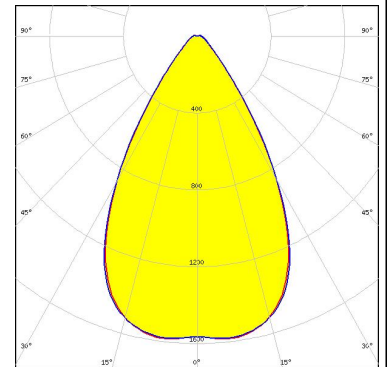
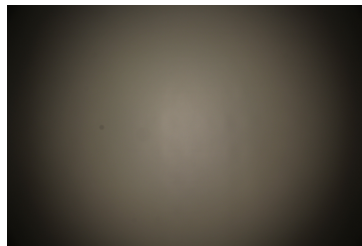
LED NF2x757A  
FWHM 60.0°  
Efficiency 85 %  
Peak intensity 0.860 cd/lm  
Required components:



LED NVSxx19A  
FWHM 62.0°  
Efficiency 86 %  
Peak intensity 0.800 cd/lm  
Required components:



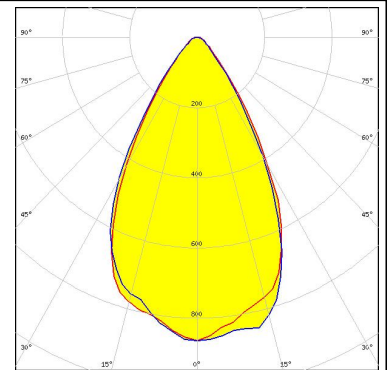
LED NVSxx19B/NVSxx19C  
FWHM 62.0°  
Efficiency 91 %  
Peak intensity 0.820 cd/lm  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

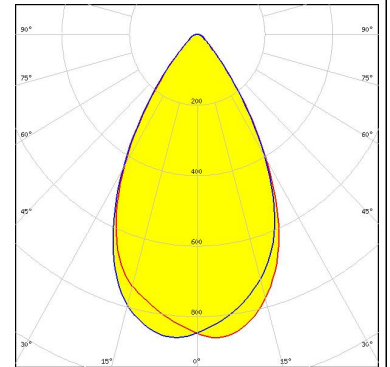
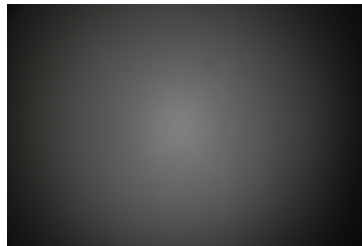
**OSRAM**  
Opto Semiconductors

LED Oslon Square EC  
FWHM 58.0°  
Efficiency 87 %  
Peak intensity 0.900 cd/lm  
Required components:



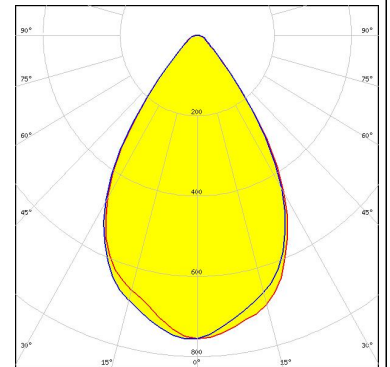
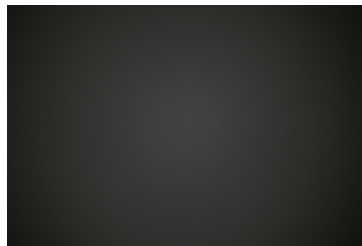
**SAMSUNG**

LED LH351B  
FWHM 59.0°  
Efficiency 87 %  
Peak intensity 0.900 cd/lm  
Required components:



**SAMSUNG**

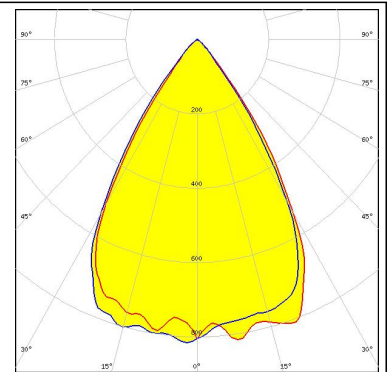
LED LH351Z  
FWHM 68.0°  
Efficiency 88 %  
Peak intensity 0.760 cd/lm  
Required components:



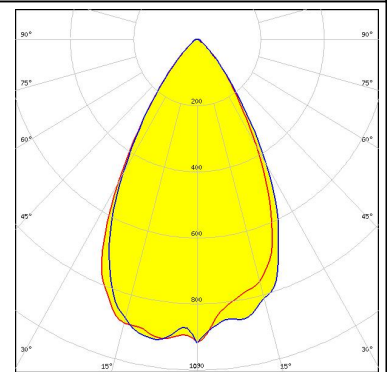
### PHOTOMETRIC DATA (SIMULATED):



LED LUXEON H50-2  
FWHM 64.0°  
Efficiency 87 %  
Peak intensity 0.850 cd/lm  
Required components:



LED NF2x757G  
FWHM 57.0°  
Efficiency 88 %  
Peak intensity 0.950 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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