



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

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

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



## LISA2-M-CLIP

~20° medium beam optimized for CREE XP-E.  
6.8 mm high variant with clip installation.

### TECHNICAL SPECIFICATIONS:

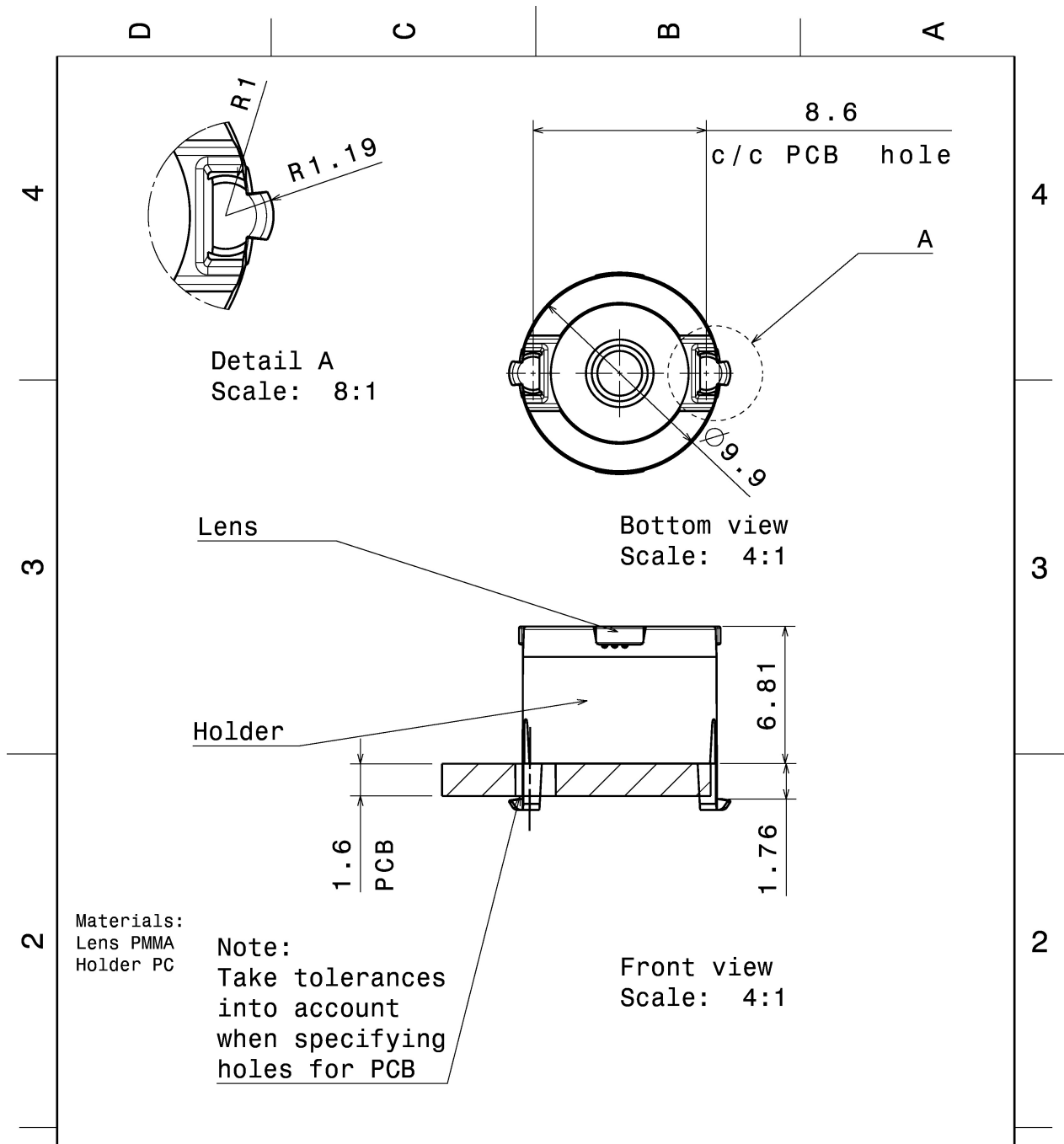
Dimensions	Ø 9.9 mm
Height	6.8 mm
Fastening	glue, clips
Colour	black
Box size	
Box weight	1.4 kg
Quantity in Box	2000 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
LISA2-M	Lens	PMMA	clear
LISA2-HLD-CLIP16-XP	Holder	PC	black



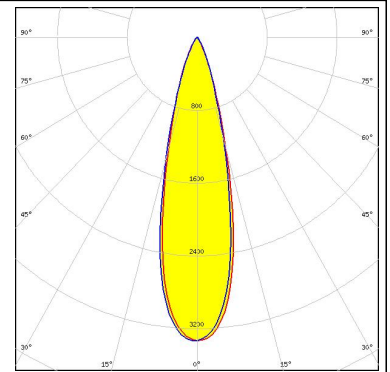


This drawing is our property. It can't be reproduced or communicated without our written agreement.		<b>LEDiL</b>		Ledil Oy Salorankatu 10 FIN-24240 SALO Finland	
<b>DRAWING TITLE</b>					
DRAWN BY pl		DATE 20.06.2012		Datasheet Lisa2-clip16-XT series Assy	
CHECKED BY sn	DATE 20.7.2011	SIZE A4	DRAWING NUMBER		REV 1
DESIGNED BY pl	DATE 20.06.2012	SCALE 4:1	WEIGHT (g)	SHEET 1/1	

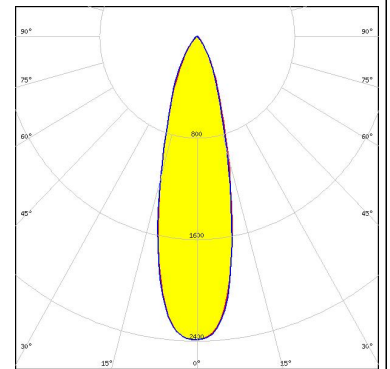
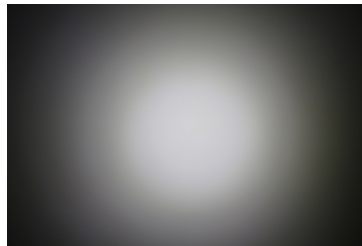
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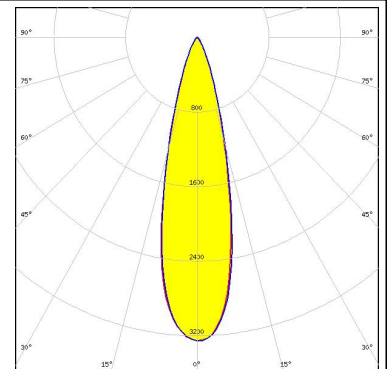
LED XP-G2  
 FWHM 25.0°  
 Efficiency 89 %  
 Peak intensity 3.500 cd/lm  
 Required components:



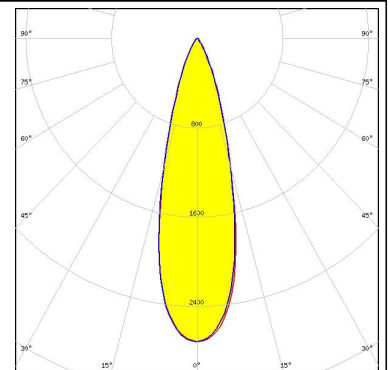
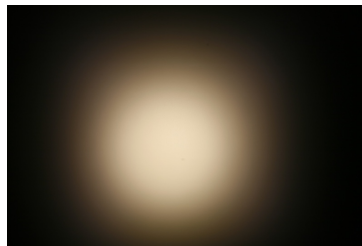
LED XP-G3  
 FWHM 29.0°  
 Efficiency 85 %  
 Peak intensity 2.390 cd/lm  
 Required components:



LED XT-E  
 FWHM 26.0°  
 Efficiency 89 %  
 Peak intensity 3.260 cd/lm  
 Required components:



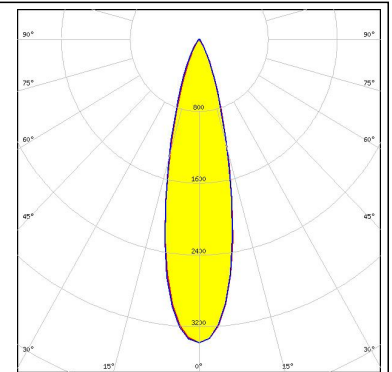
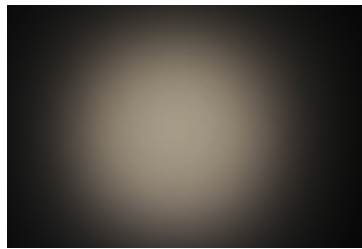
LED LUXEON T  
 FWHM 28.0°  
 Efficiency 87 %  
 Peak intensity 2.700 cd/lm  
 Required components:



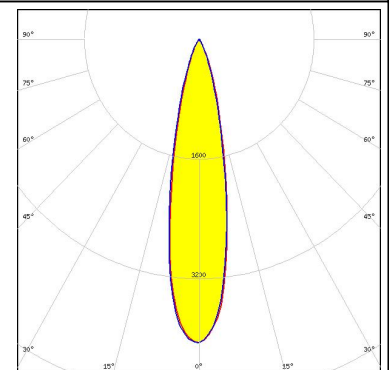
#### PHOTOMETRIC DATA (MEASURED):



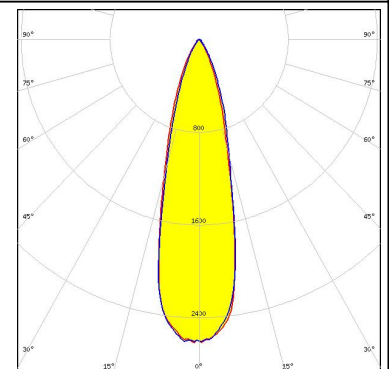
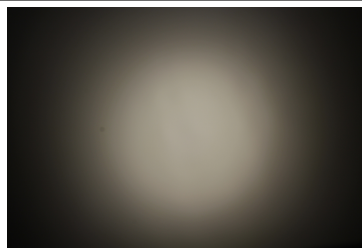
LED LUXEON TX  
 FWHM 26.0°  
 Efficiency 88 %  
 Peak intensity 3.380 cd/lm  
 Required components:



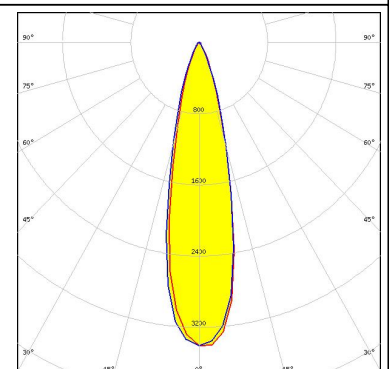
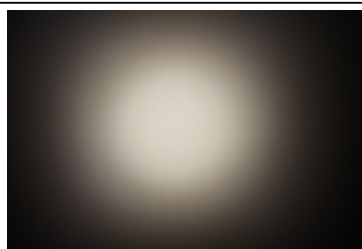
LED NCSxx19B  
 FWHM 23.0°  
 Efficiency 85 %  
 Peak intensity 4.100 cd/lm  
 Required components:



LED NVSxx19B/NVSxx19C  
 FWHM 27.0°  
 Efficiency 86 %  
 Peak intensity 2.600 cd/lm  
 Required components:



LED Oslon Square EC  
 FWHM 26.0°  
 Efficiency 85 %  
 Peak intensity 3.400 cd/lm  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

**OSRAM**  
Opto Semiconductors

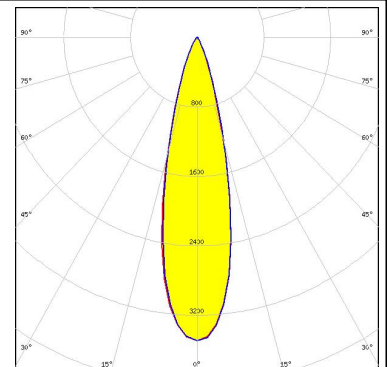
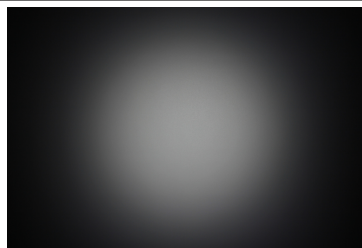
LED SFH 4715S  
FWHM 22.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:

**OSRAM**  
Opto Semiconductors

LED SFH 4725S  
FWHM 23.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:

**SAMSUNG**

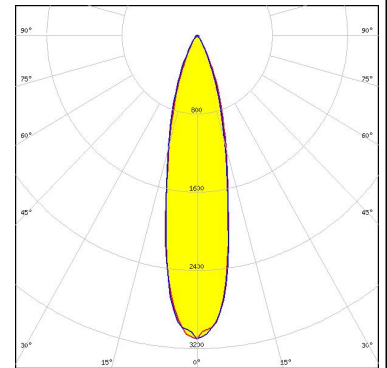
LED LH351Z  
FWHM 26.0°  
Efficiency 87 %  
Peak intensity 3.500 cd/lm  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

##### LUMILEDS

LED LUXEON H50-2  
FWHM 24.0°  
Efficiency 89 %  
Peak intensity 3.100 cd/lm  
Required components:



##### LUMILEDS

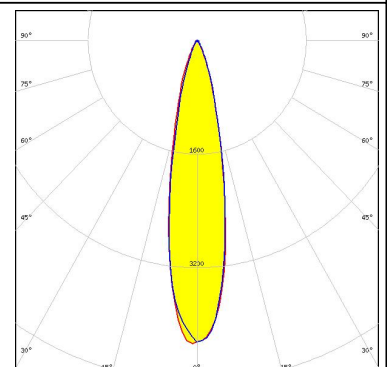
LED LUXEON IR Compact  
FWHM 14.0°  
Efficiency 82 %  
Peak intensity 0.000 cd/lm  
Required components:

##### LUMILEDS

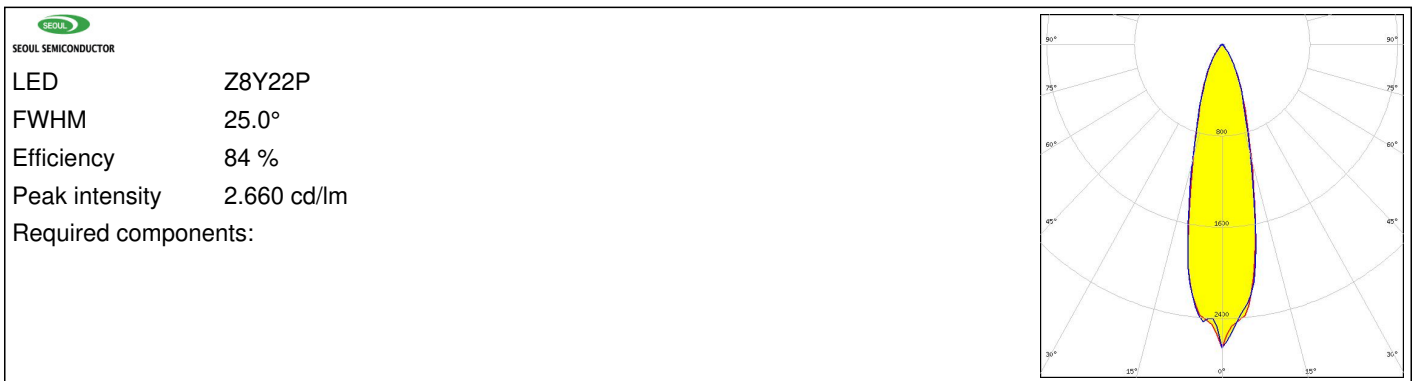
LED LUXEON IR Domed 150  
FWHM 20.0°  
Efficiency 88 %  
Peak intensity 0.000 cd/lm  
Required components:

##### OSRAM Opto Semiconductors

LED Oslon Square Gen3  
FWHM 21.0°  
Efficiency 91 %  
Peak intensity 4.440 cd/lm  
Required components:



## PHOTOMETRIC DATA (SIMULATED):





#### 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.

#### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
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