



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

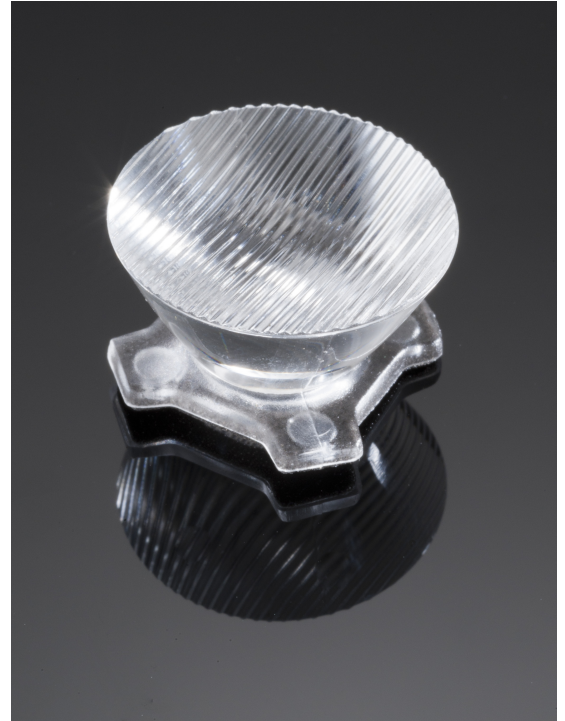


## HEIDI-O

~50° x 11° oval beam

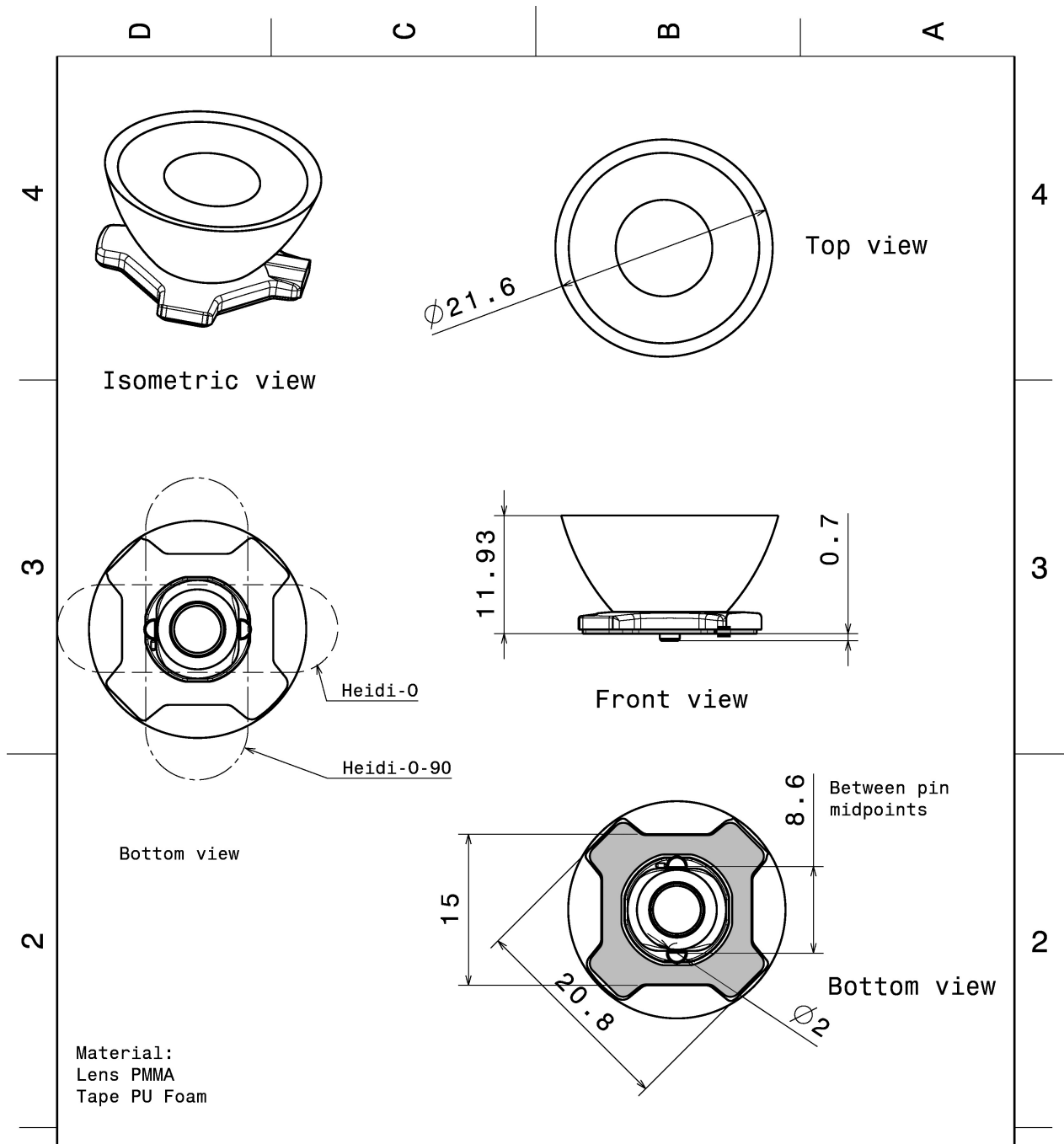
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	11.9 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	9.7 kg
Quantity in Box	3264 pcs
ROHS compliant	yes 



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
HEIDI-O	Lens	PMMA	clear
HEIDI-TAPE	Tape	PU tape	black



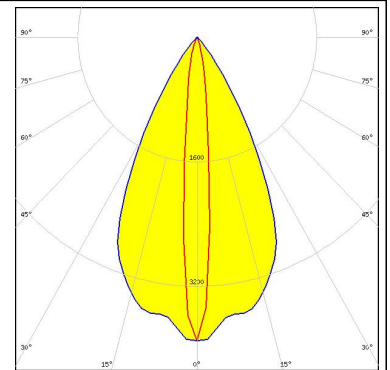
This drawing is our property. It can't be reproduced or communicated without our written agreement.		<b>LEDiL</b> A WORLD OF INNOVATION		Ledil Oy Joensuunkatu 13 FIN-24100 SALO Finland	
DRAWN BY ah		DATE 24.6.2013		DRAWING TITLE Datasheet Heidi-0 assy	
CHECKED BY		DATE		SIZE A4	
DESIGNED BY		DATE		DRAWING NUMBER	
		SCALE 2:1		WEIGHT (g)	
				REV 001	
				SHEET 1/1	



#### PHOTOMETRIC DATA (MEASURED):

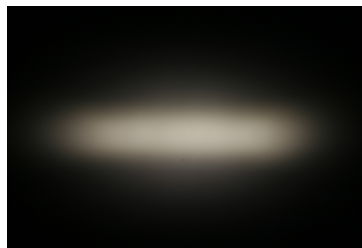
#### CREE

LED XB-D  
 FWHM 54.0 + 10.0°  
 Efficiency 87 %  
 Peak intensity 3.900 cd/lm  
 Required components:



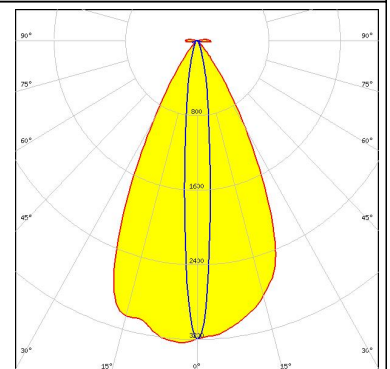
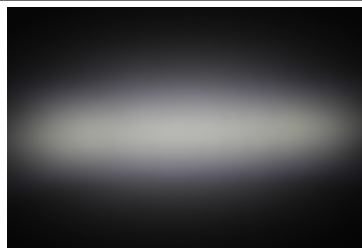
#### CREE

LED XB-H  
 FWHM 53.0 + 11.0°  
 Efficiency 83 %  
 Peak intensity 3.300 cd/lm  
 Required components:



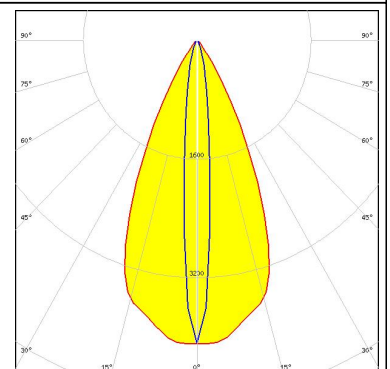
#### CREE

LED XD16  
 FWHM 52.0 + 10.0°  
 Efficiency 89 %  
 Peak intensity 3.200 cd/lm  
 Required components:



#### CREE

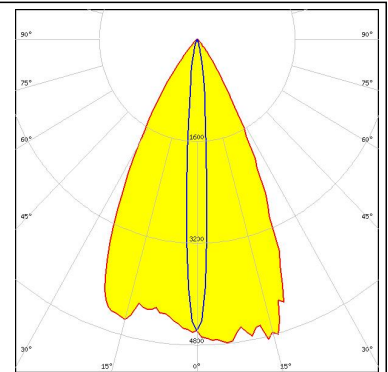
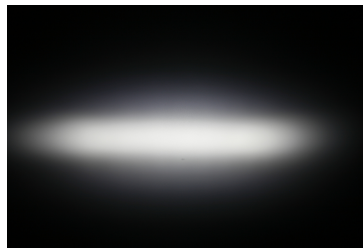
LED XP-E  
 FWHM 48.0 + 10.0°  
 Efficiency 87 %  
 Peak intensity 4.100 cd/lm  
 Required components:



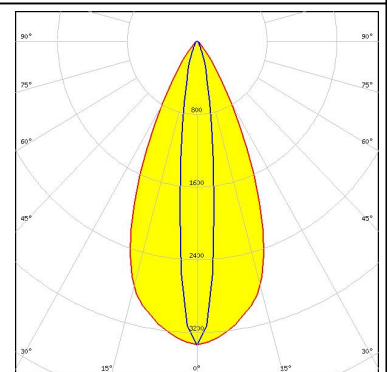
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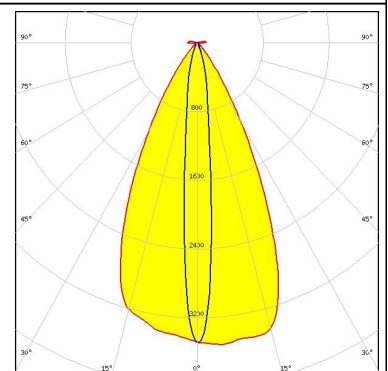
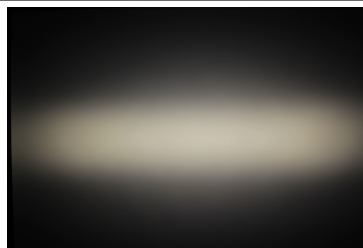
LED XP-E2  
 FWHM 54.0 + 9.0°  
 Efficiency 85 %  
 Peak intensity 4.800 cd/lm  
 Required components:



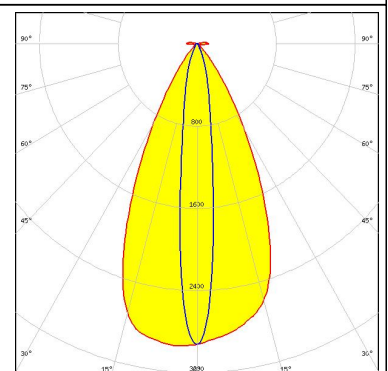
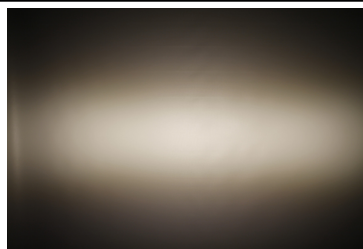
LED XP-G  
 FWHM 47.0 + 14.0°  
 Efficiency 87 %  
 Peak intensity 3.300 cd/lm  
 Required components:



LED XP-G2  
 FWHM 52.0 + 11.0°  
 Efficiency 91 %  
 Peak intensity 3.500 cd/lm  
 Required components:



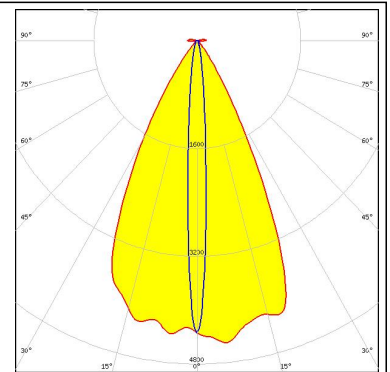
LED XP-G3  
 FWHM 51.0 + 13.0°  
 Efficiency 91 %  
 Peak intensity 3.000 cd/lm  
 Required components:



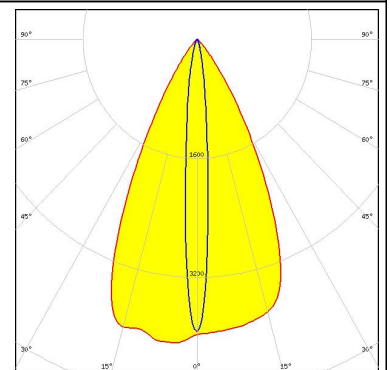
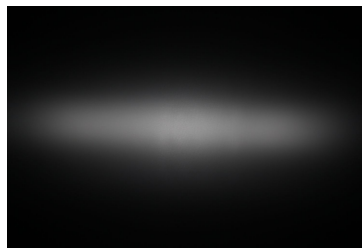
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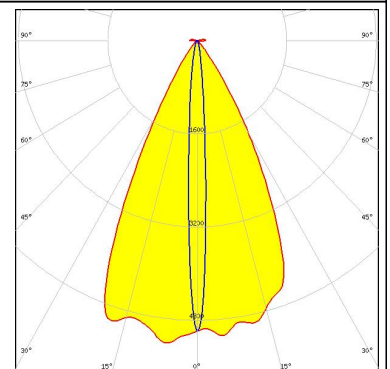
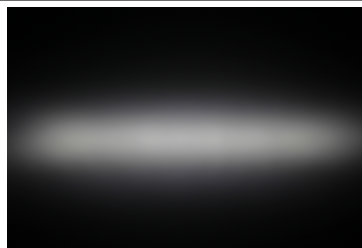
LED XQ-E HI  
 FWHM 53.0 + 7.0°  
 Efficiency 90 %  
 Peak intensity 4.500 cd/lm  
 Required components:



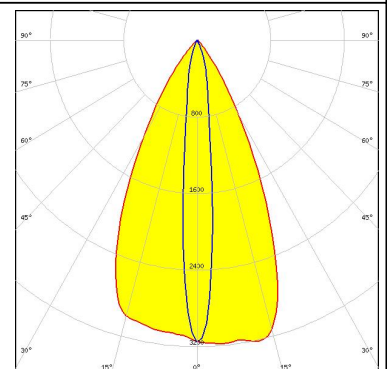
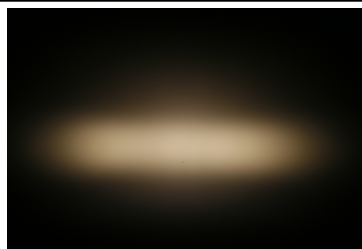
LED LUXEON C  
 FWHM 53.0 + 9.0°  
 Efficiency 81 %  
 Peak intensity 4.100 cd/lm  
 Required components:



LED LUXEON CZ  
 FWHM 53.0 + 7.0°  
 Efficiency 92 %  
 Peak intensity 5.200 cd/lm  
 Required components:



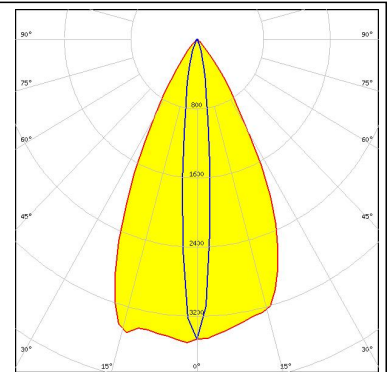
LED LUXEON T  
 FWHM 52.0 + 12.0°  
 Efficiency 81 %  
 Peak intensity 3.200 cd/lm  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

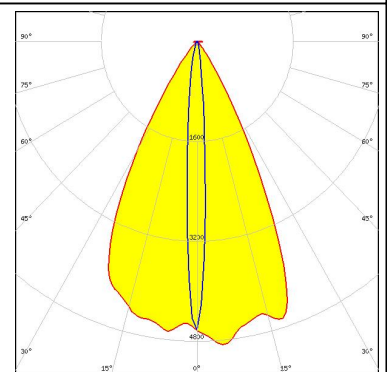
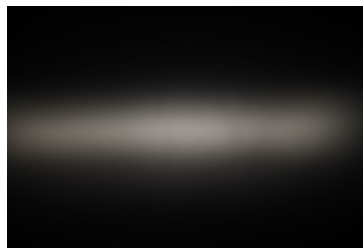
#### LUMILEDS

LED LUXEON TX  
 FWHM 54.0 + 12.0°  
 Efficiency 82 %  
 Peak intensity 3.500 cd/lm  
 Required components:



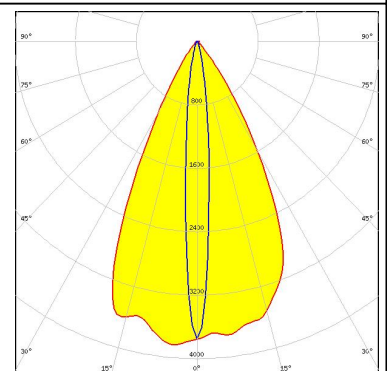
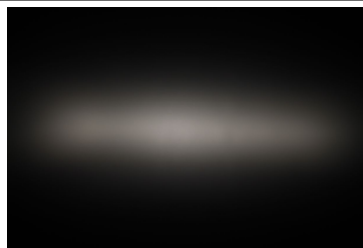
#### LUMILEDS

LED LUXEON Z  
 FWHM 55.0 + 7.5°  
 Efficiency 87 %  
 Peak intensity 4.900 cd/lm  
 Required components:



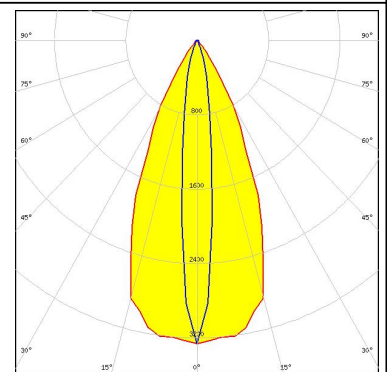
#### LUMILEDS

LED LUXEON Z ES  
 FWHM 54.0 + 9.6°  
 Efficiency 85 %  
 Peak intensity 3.800 cd/lm  
 Required components:



#### NICHIA

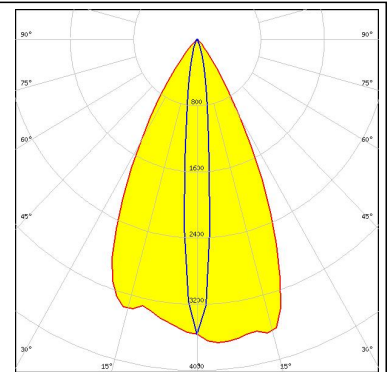
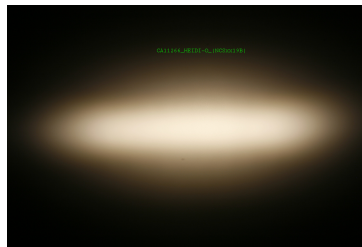
LED NCSxx19A  
 FWHM 46.0 + 12.0°  
 Efficiency 82 %  
 Peak intensity 3.300 cd/lm  
 Required components:



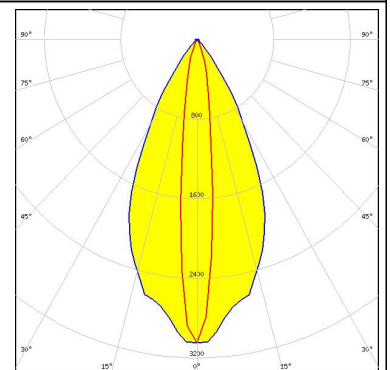
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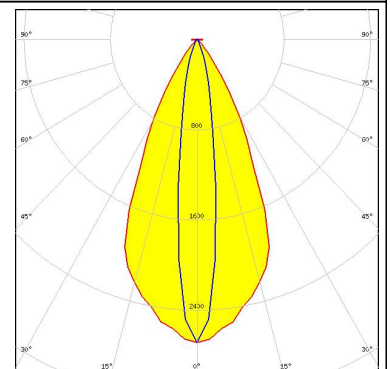
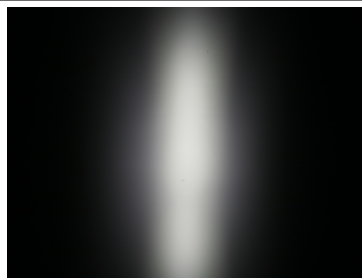
LED NCSxx19B  
 FWHM 55.0 + 11.0°  
 Efficiency 83 %  
 Peak intensity 3.600 cd/lm  
 Required components:



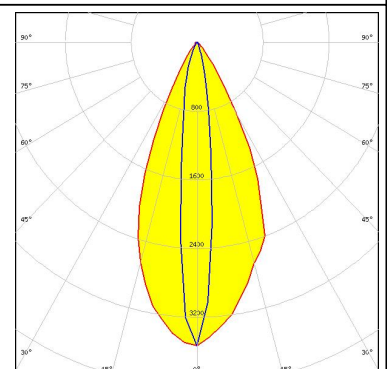
LED NVSxx19A  
 FWHM 50.0 + 12.0°  
 Efficiency 82 %  
 Peak intensity 3.000 cd/lm  
 Required components:



LED NVSxx19B/NVSxx19C  
 FWHM 48.0 + 15.0°  
 Efficiency 82 %  
 Peak intensity 2.700 cd/lm  
 Required components:



LED Oslon Square EC  
 FWHM 48.0 + 12.0°  
 Efficiency 86 %  
 Peak intensity 3.500 cd/lm  
 Required components:

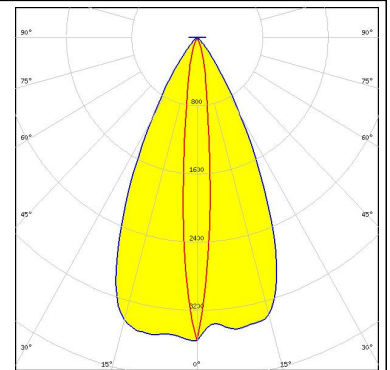




### PHOTOMETRIC DATA (MEASURED):

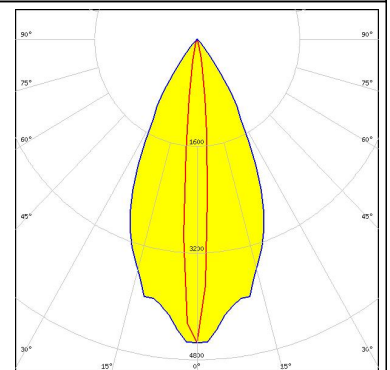
**OSRAM**  
Opto Semiconductors

LED Oslon Square Gen3  
FWHM 52.0 + 13.0°  
Efficiency 80 %  
Peak intensity 3.670 cd/lm  
Required components:



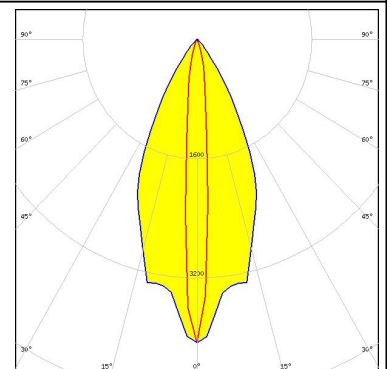
**OSRAM**  
Opto Semiconductors

LED Oslon SSL 150  
FWHM 50.0 + 8.0°  
Efficiency 85 %  
Peak intensity 4.500 cd/lm  
Required components:



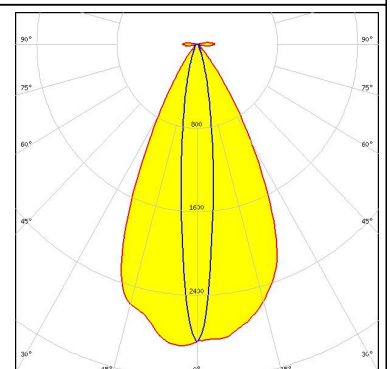
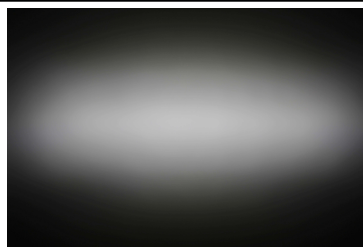
**OSRAM**  
Opto Semiconductors

LED Oslon SSL 80  
FWHM 47.0 + 8.0°  
Efficiency 83 %  
Peak intensity 4.100 cd/lm  
Required components:



**SAMSUNG**

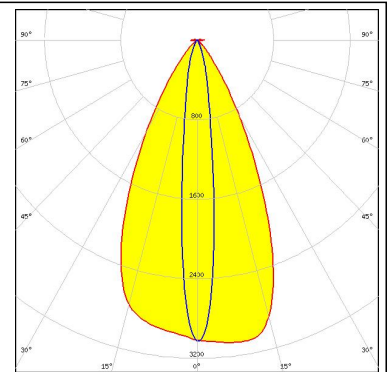
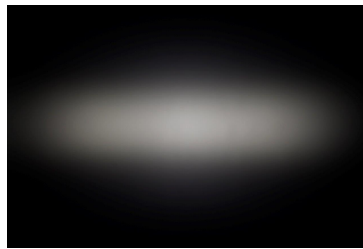
LED LH181B  
FWHM 53.0 + 13.0°  
Efficiency 90 %  
Peak intensity 2.900 cd/lm  
Required components:



### PHOTOMETRIC DATA (MEASURED):

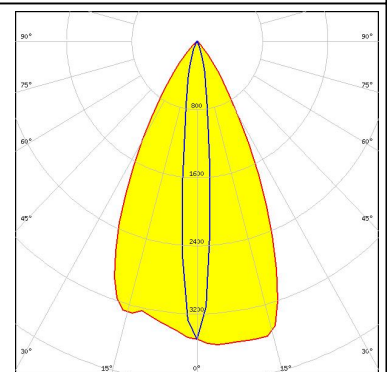
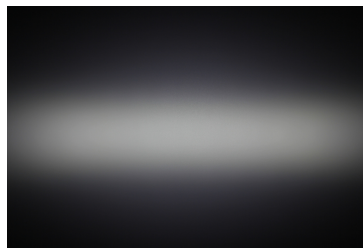
#### SAMSUNG

LED LH351B  
 FWHM 51.0 + 13.0°  
 Efficiency 84 %  
 Peak intensity 3.000 cd/lm  
 Required components:



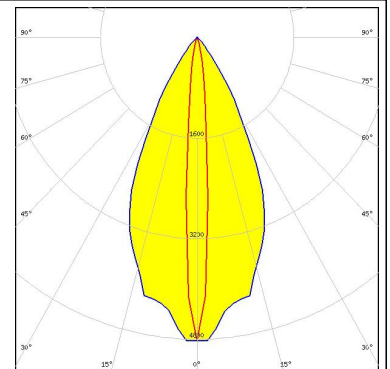
#### SAMSUNG

LED LH351Z  
 FWHM 54.0 + 12.0°  
 Efficiency 83 %  
 Peak intensity 3.600 cd/lm  
 Required components:



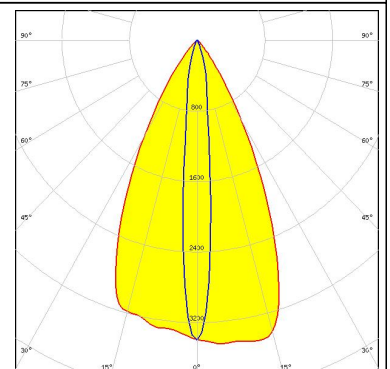
SEOUL SEMICONDUCTOR

LED Z5  
 FWHM 50.0 + 9.0°  
 Efficiency 86 %  
 Peak intensity 4.800 cd/lm  
 Required components:



SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2  
 FWHM 53.0 + 11.0°  
 Efficiency 85 %  
 Peak intensity 3.500 cd/lm  
 Required components:



## PHOTOMETRIC DATA (MEASURED):

### SHARP

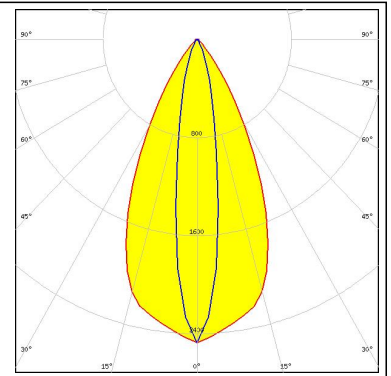
LED Double Dome (GM2BB)

FWHM 50.0 + 16.0°

Efficiency 85 %

Peak intensity 2.500 cd/lm

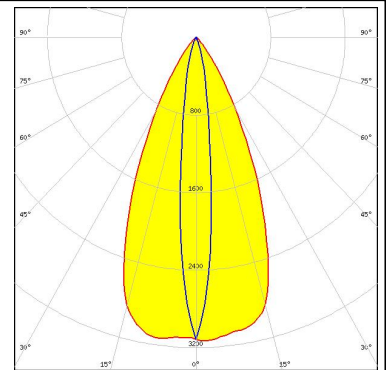
Required components:



### PHOTOMETRIC DATA (SIMULATED):

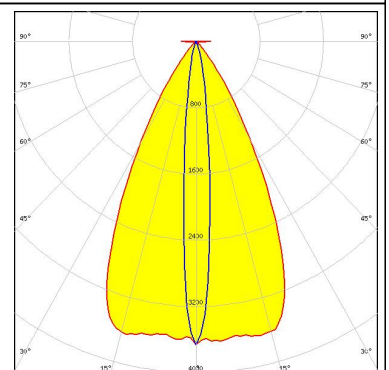
#### LG Innotek

LED H35C0 (LEMWA33)  
FWHM 49.0 + 12.0°  
Efficiency 79 %  
Peak intensity 3.130 cd/lm  
Required components:



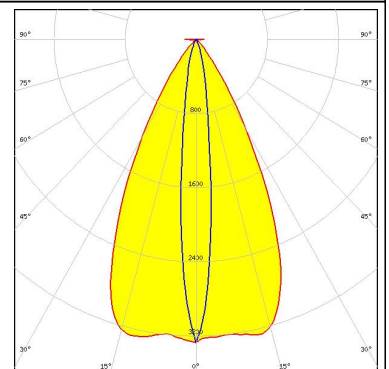
#### LUMILEDS

LED LUXEON 3030 HV  
FWHM 55.0 + 11.0°  
Efficiency 90 %  
Peak intensity 3.660 cd/lm  
Required components:



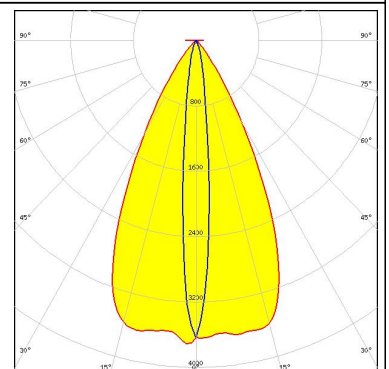
#### NICHIA

LED NF2x757G  
FWHM 54.0 + 12.0°  
Efficiency 91 %  
Peak intensity 3.280 cd/lm  
Required components:



#### NICHIA

LED NFSx757G  
FWHM 54.0 + 10.0°  
Efficiency 0 %  
Peak intensity 3.720 cd/lm  
Required components:





## PHOTOMETRIC DATA (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED	Oslon Black Flat
FWHM	49.7 + 7.8°
Efficiency	93 %
Peak intensity	4.990 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.

### 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

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Sycamore IL 60178  
USA

#### Local sales and technical support

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

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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