



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



## HEIDI-RS

~8° spot beam

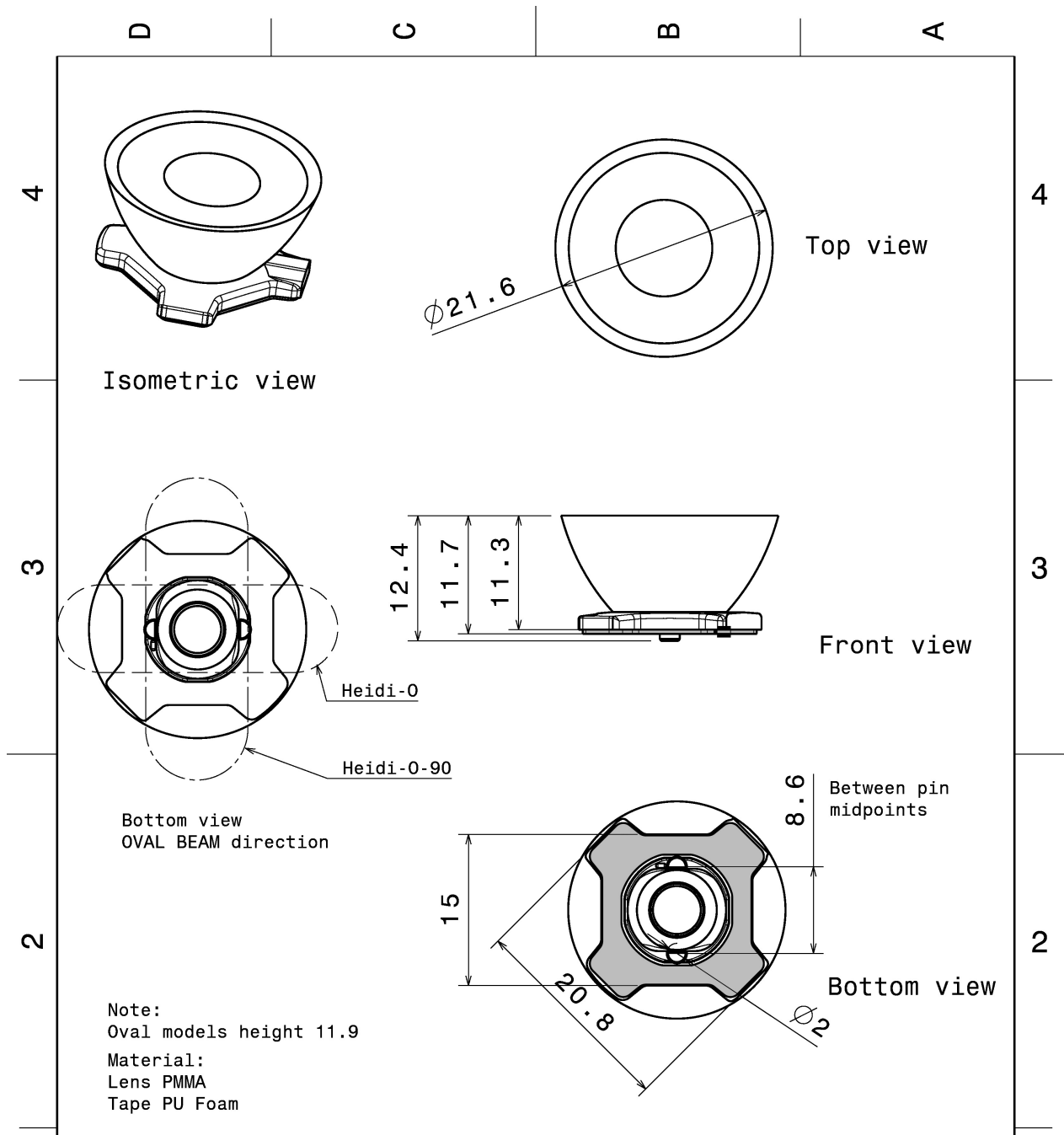
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	11.1 kg
Quantity in Box	3264 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

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



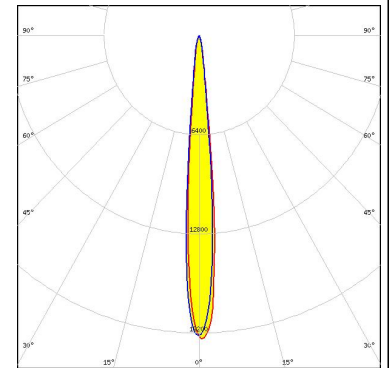
This drawing is our property. It can't be reproduced or communicated without our written agreement.		<b>LEDiL</b>		Ledil Oy Joensuunkatu 13 FIN-24100 SALO Finland	
DRAWING TITLE		<b>Datasheet Heidi-Series Assy</b>			
DRAWN BY ah	DATE 1.2.2012	SIZE A4	DRAWING NUMBER		REV 2
CHECKED BY	DATE	SCALE 2:1	WEIGHT (g)	SHEET 1/1	
DESIGNED BY	DATE				



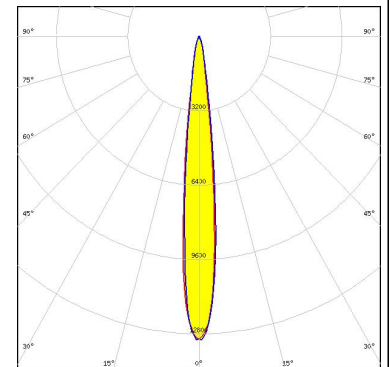
#### PHOTOMETRIC DATA (MEASURED):



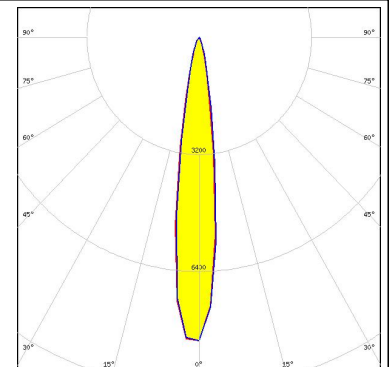
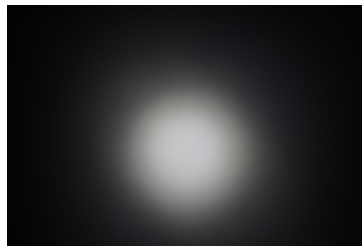
LED XP-G2  
 FWHM 10.0°  
 Efficiency 94 %  
 Peak intensity 20.000 cd/lm  
 Required components:



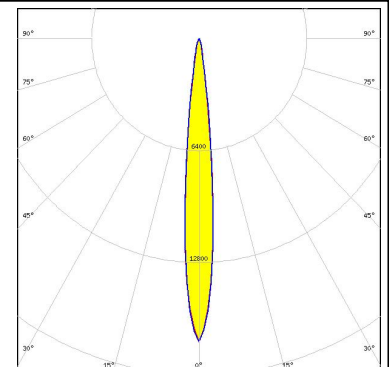
LED XP-G3  
 FWHM 12.0°  
 Efficiency 94 %  
 Peak intensity 13.000 cd/lm  
 Required components:



LED XP-L  
 FWHM 15.0°  
 Efficiency 89 %  
 Peak intensity 8.300 cd/lm  
 Required components:



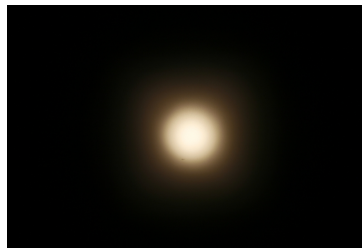
LED LUXEON A  
 FWHM 11.0°  
 Efficiency 87 %  
 Peak intensity 15.600 cd/lm  
 Required components:



**PHOTOMETRIC DATA (MEASURED):**

**LUMILEDS**

LED LUXEON Rebel  
FWHM 8.0°  
Efficiency 88 %  
Peak intensity 26.000 cd/lm  
Required components:



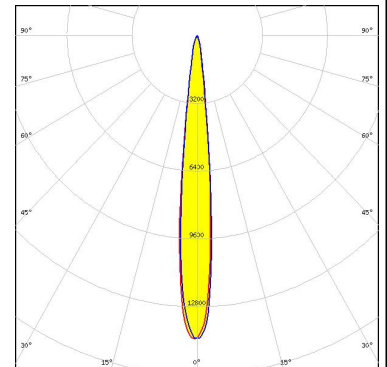
**LUMILEDS**

LED LUXEON Rebel ES  
FWHM 11.0°  
Efficiency 86 %  
Peak intensity 15.100 cd/lm  
Required components:



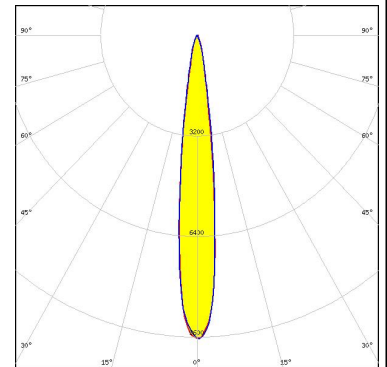
**NICHIA**

LED NVSW219D  
FWHM 11.0°  
Efficiency 94 %  
Peak intensity 14.300 cd/lm  
Required components:



**NICHIA**

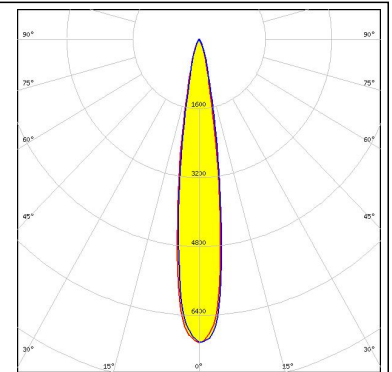
LED NVSW3x9A  
FWHM 13.0°  
Efficiency 92 %  
Peak intensity 9.700 cd/lm  
Required components:



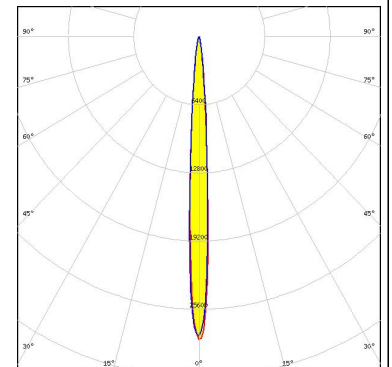
### PHOTOMETRIC DATA (MEASURED):



LED NWSx229A  
FWHM 16.0°  
Efficiency 87 %  
Peak intensity 7.000 cd/lm  
Required components:

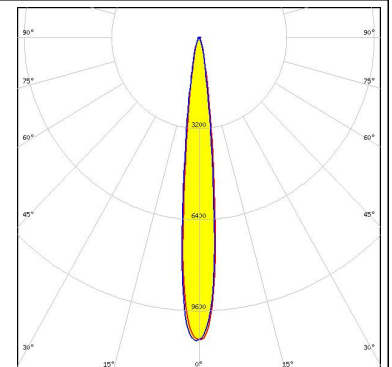
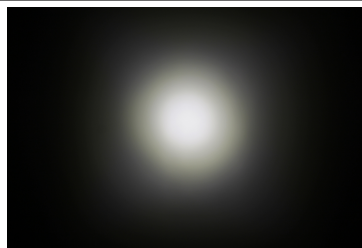


LED Oslon SSL 150  
FWHM 7.0°  
Efficiency 89 %  
Peak intensity 28.500 cd/lm  
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P  
FWHM 12.0°  
Efficiency 94 %  
Peak intensity 10.700 cd/lm  
Required components:



### PHOTOMETRIC DATA (SIMULATED):

#### LUMILEDS

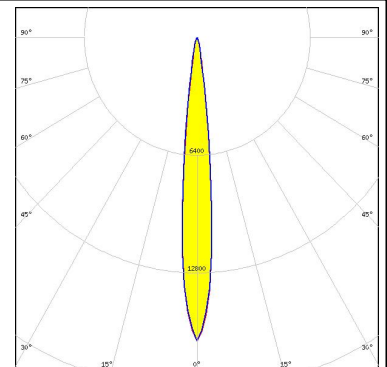
LED LUXEON IR Domed 150  
FWHM 11.0°  
Efficiency 94 %  
Peak intensity 0.000 cd/lm  
Required components:

#### LUMILEDS

LED LUXEON IR Domed 90  
FWHM 11.0°  
Efficiency 94 %  
Peak intensity 0.000 cd/lm  
Required components:

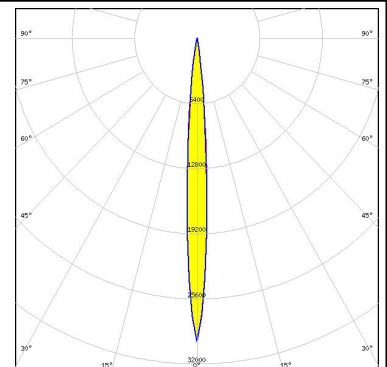
#### LUMILEDS

LED LUXEON R  
FWHM 11.0°  
Efficiency 92 %  
Peak intensity 16.500 cd/lm  
Required components:



#### LUMILEDS

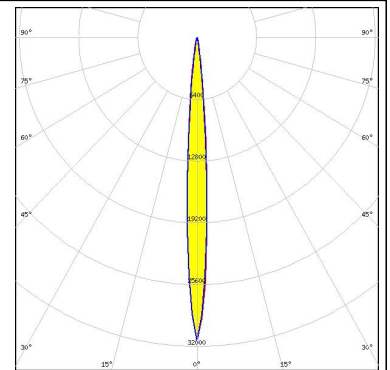
LED LUXEON SunPlus 20 Line  
FWHM 7.8°  
Efficiency 93 %  
Peak intensity 29.820 cd/lm  
Required components:



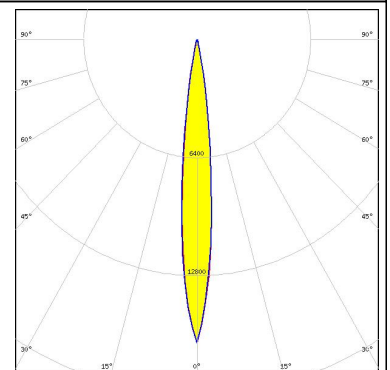
### PHOTOMETRIC DATA (SIMULATED):



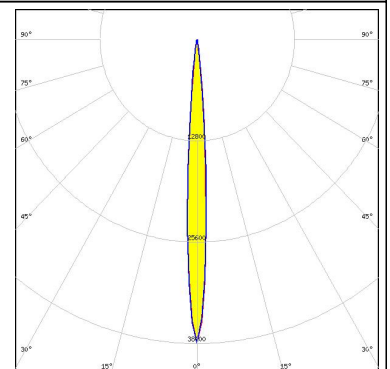
LED LUXEON SunPlus 35 Line  
FWHM 7.8°  
Efficiency 94 %  
Peak intensity 31.430 cd/lm  
Required components:



LED Oslon Black  
FWHM 11.0°  
Efficiency 93 %  
Peak intensity 16.800 cd/lm  
Required components:



LED Oslon Black Flat  
FWHM 7.3°  
Efficiency 94 %  
Peak intensity 38.300 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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