



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

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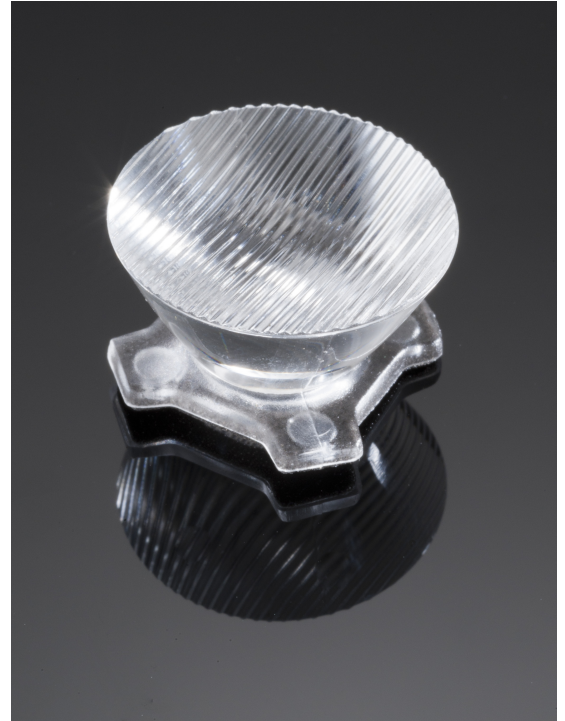


HEIDI-O-90

~13° x 45° oval beam optimized for Luxeon Rebel. Variant with beam direction rotated 90°.

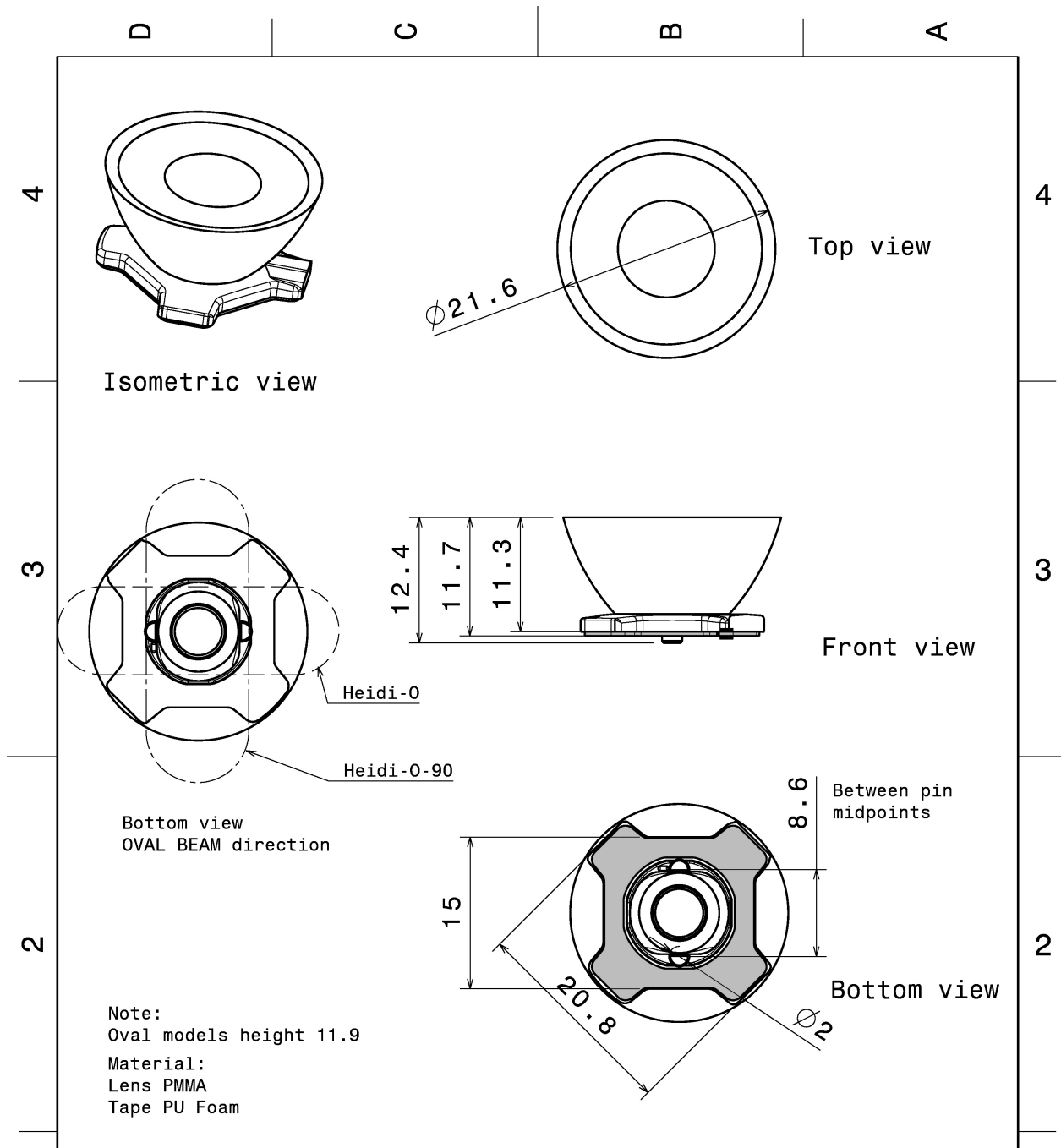
TECHNICAL SPECIFICATIONS:

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-O-90	Lens	PMMA	clear
HEIDI-TAPE	Tape	PU tape	black



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DRAWING TITLE		Datasheet Heidi-Series Ass'y			
DRAWN BY	DATE	SIZE	DRAWING NUMBER		REV
ah	1.2.2012	A4			2
CHECKED BY	DATE	SCALE	2:1	WEIGHT (g)	SHEET
DESIGNED BY	DATE				1/1

PHOTOMETRIC DATA (MEASURED):

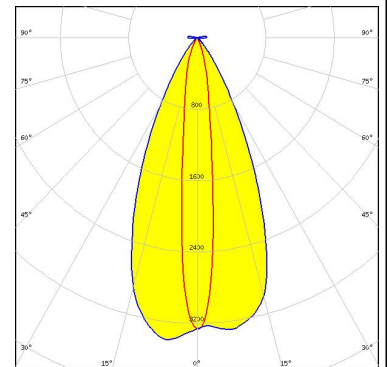
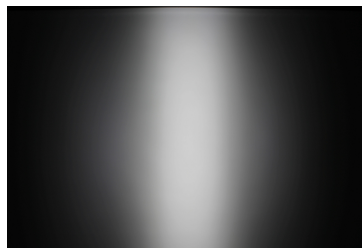
CREE 

LED XHP35 HD
FWHM 17.0 + 38.0°
Efficiency 84 %
Peak intensity 3.230 cd/lm
Required components:



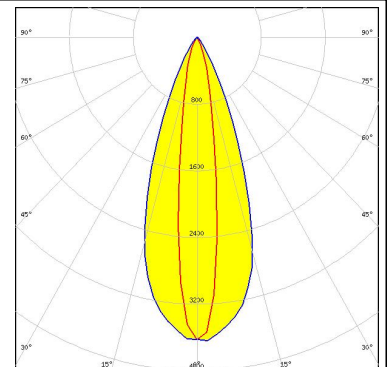
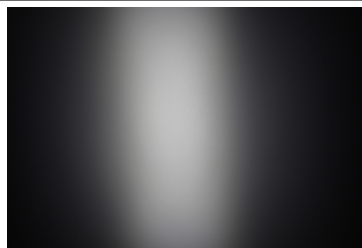
CREE 

LED XHP35 HI
FWHM 13.0 + 47.0°
Efficiency 94 %
Peak intensity 3.400 cd/lm
Required components:



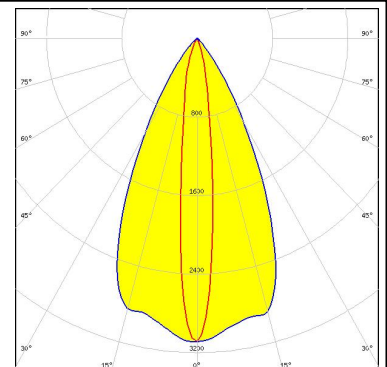
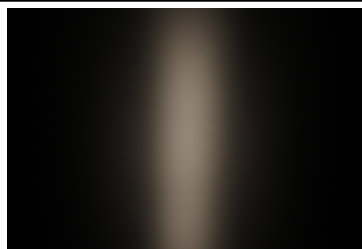
CREE 

LED XP-L
FWHM 16.0 + 40.0°
Efficiency 88 %
Peak intensity 3.600 cd/lm
Required components:



 **LUMILEDS**

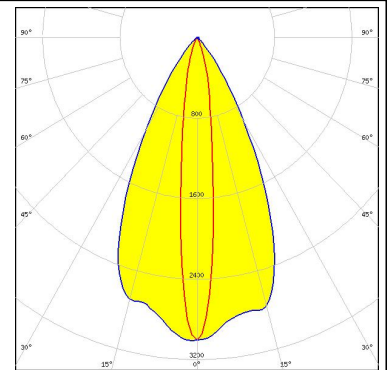
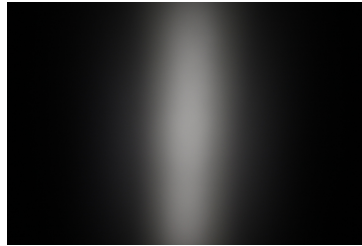
LED LUXEON A
FWHM 14.0 + 54.0°
Efficiency 82 %
Peak intensity 3.090 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

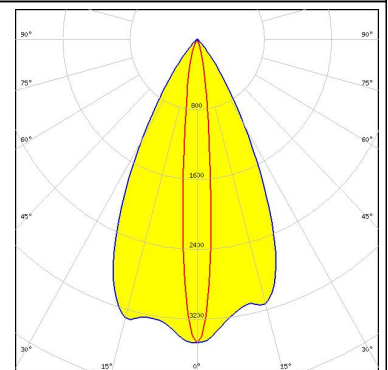
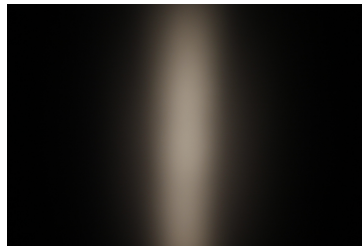
LUMILEDS

LED LUXEON R
 FWHM 13.0 + 54.0°
 Efficiency 82 %
 Peak intensity 3.010 cd/lm
 Required components:



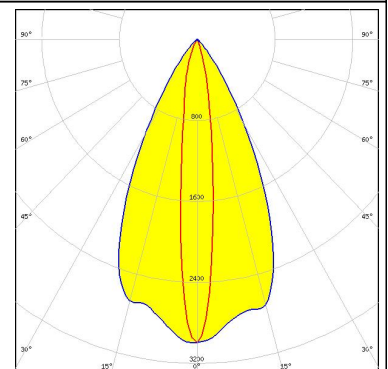
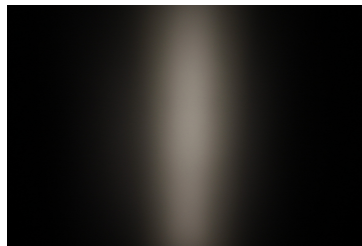
LUMILEDS

LED LUXEON Rebel
 FWHM 12.0 + 54.0°
 Efficiency 82 %
 Peak intensity 3.470 cd/lm
 Required components:



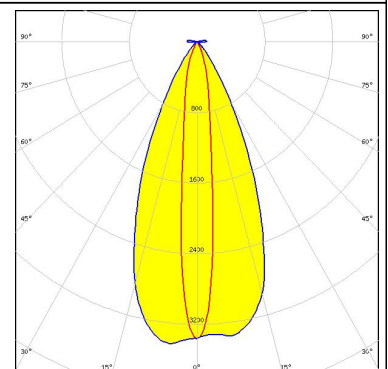
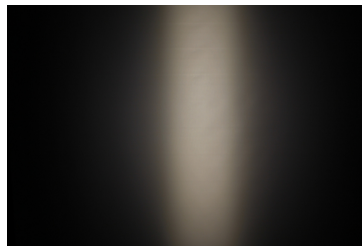
LUMILEDS

LED LUXEON Rebel ES
 FWHM 13.0 + 53.0°
 Efficiency 81 %
 Peak intensity 3.000 cd/lm
 Required components:



NICHIA

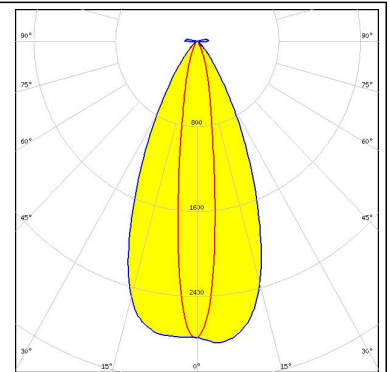
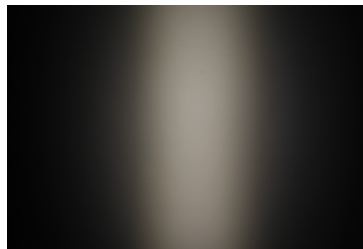
LED NVSW219D
 FWHM 12.0 + 46.0°
 Efficiency 94 %
 Peak intensity 3.400 cd/lm
 Required components:



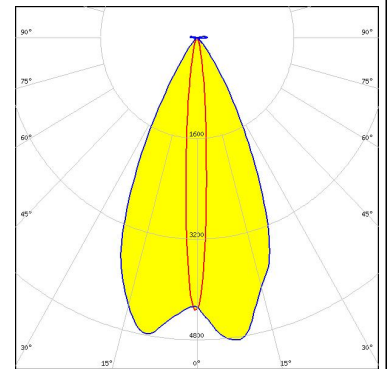
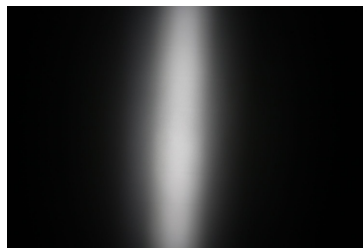
PHOTOMETRIC DATA (MEASURED):



LED NVSW3x9A
FWHM 15.0 + 47.0°
Efficiency 90 %
Peak intensity 2.800 cd/lm
Required components:

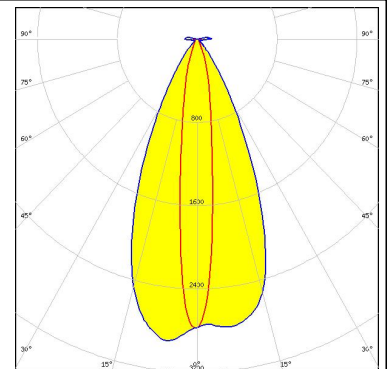
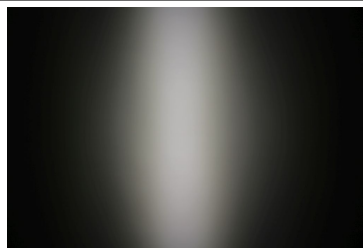


LED Oslon SSL 150
FWHM 9.0 + 50.0°
Efficiency 93 %
Peak intensity 4.850 cd/lm
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P
FWHM 13.0 + 47.0°
Efficiency 92 %
Peak intensity 2.900 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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