



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!



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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-D

~10° diffused spot beam

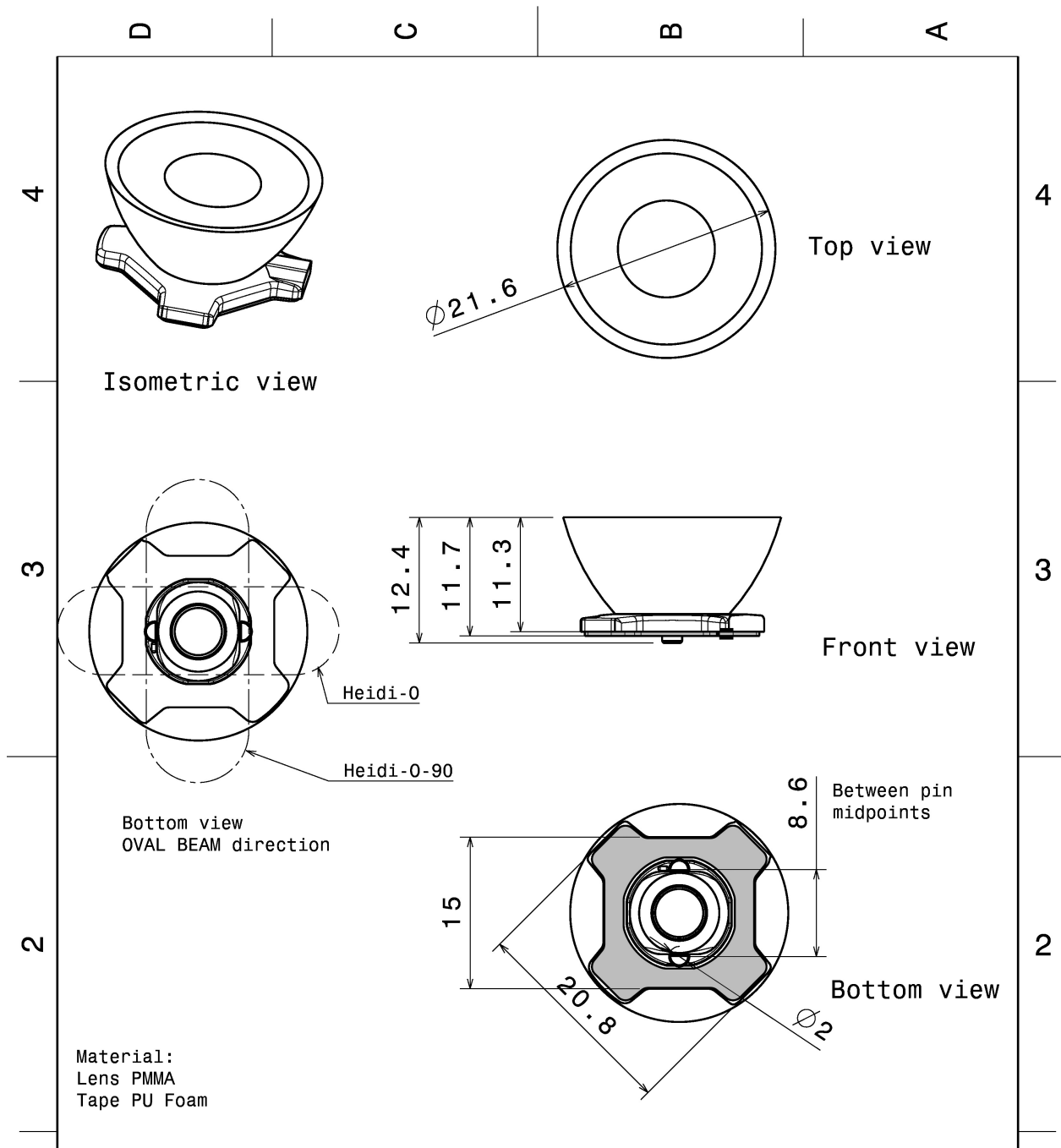
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	11.9 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	10.6 kg
Quantity in Box	3264 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
HEIDI-D	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.		LEDiL		Ledil Oy Salorankatu 10 FIN-24100 SALO Finland	
DRAWING TITLE		Datasheet Heidi-Series Assy			
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):

CREE

LED XB-D
FWHM 10.0°
Efficiency 90 %
Peak intensity 12.550 cd/lm
Required components:

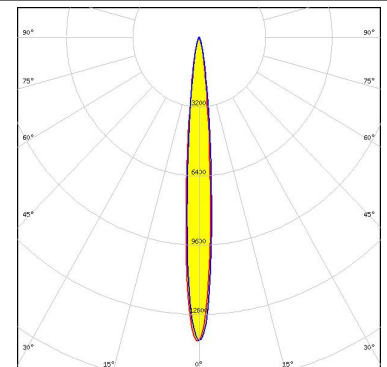
CREE

LED XB-H
FWHM 11.0°
Efficiency 87 %
Peak intensity 12.700 cd/lm
Required components:



CREE

LED XD16
FWHM 10.0°
Efficiency 93 %
Peak intensity 14.100 cd/lm
Required components:



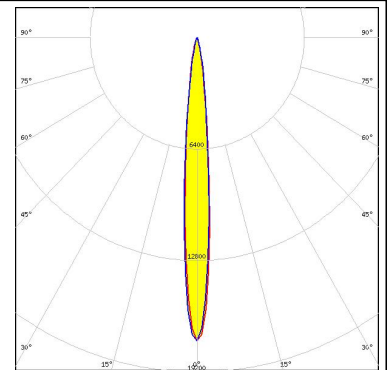
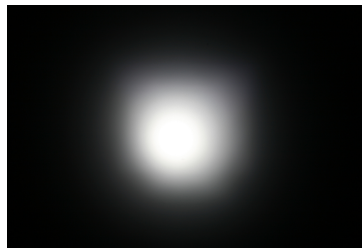
CREE

LED XP-E
FWHM 9.0°
Efficiency 93 %
Peak intensity 22.000 cd/lm
Required components:

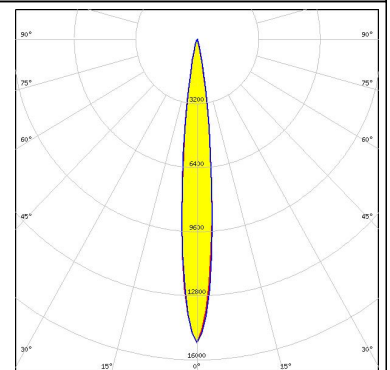
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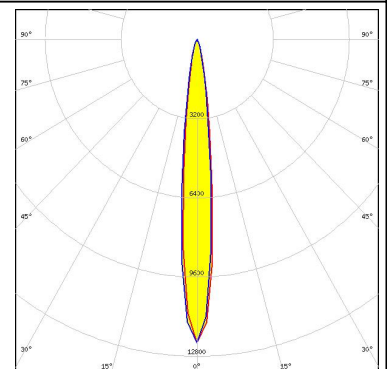
LED XP-E2
 FWHM 10.0°
 Efficiency 88 %
 Peak intensity 17.400 cd/lm
 Required components:



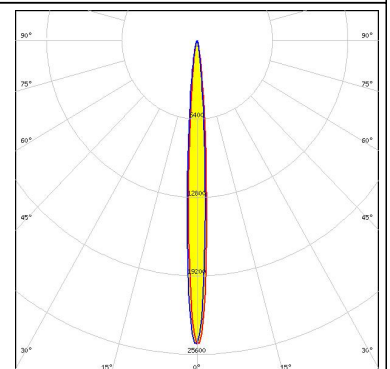
LED XP-G
 FWHM 12.0°
 Efficiency 93 %
 Peak intensity 14.500 cd/lm
 Required components:



LED XP-G2
 FWHM 11.0°
 Efficiency 88 %
 Peak intensity 15.000 cd/lm
 Required components:



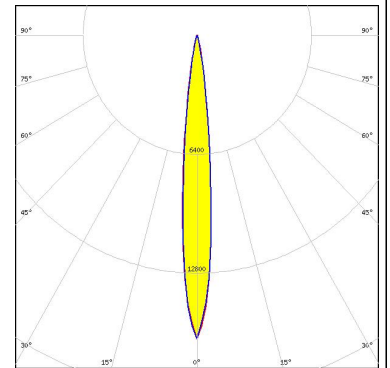
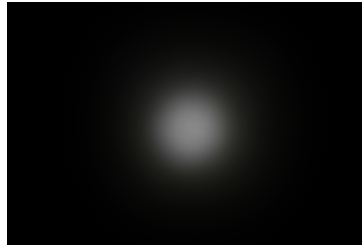
LED XQ-E HI
 FWHM 7.0°
 Efficiency 93 %
 Peak intensity 24.800 cd/lm
 Required components:



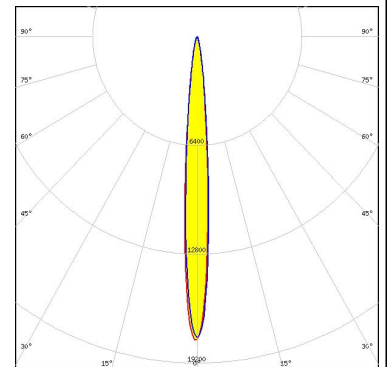
PHOTOMETRIC DATA (MEASURED):



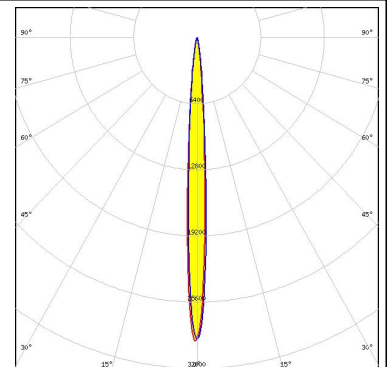
LED XT-E
FWHM 10.0°
Efficiency 90 %
Peak intensity 14.300 cd/lm
Required components:



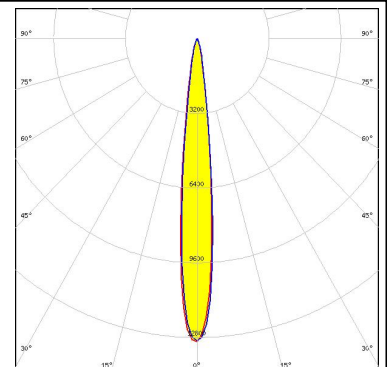
LED LUXEON C
FWHM 9.0°
Efficiency 89 %
Peak intensity 17.800 cd/lm
Required components:



LED LUXEON CZ
FWHM 7.0°
Efficiency 94 %
Peak intensity 29.000 cd/lm
Required components:



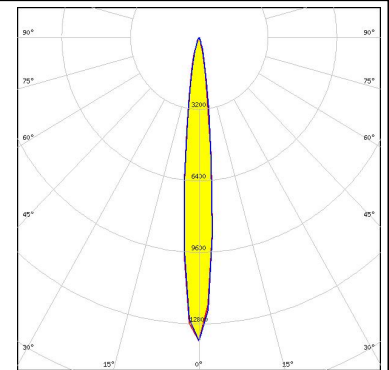
LED LUXEON T
FWHM 12.0°
Efficiency 89 %
Peak intensity 11.500 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):



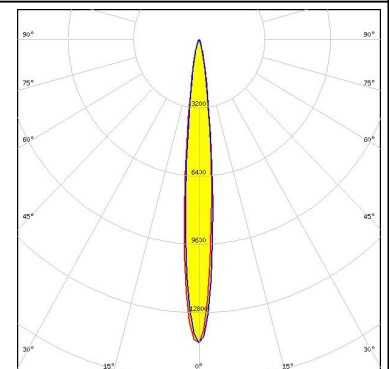
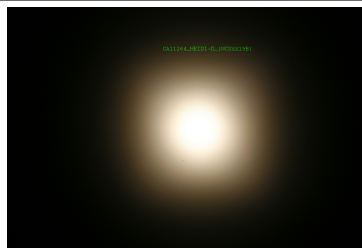
LED LUXEON TX
FWHM 12.0°
Efficiency 88 %
Peak intensity 13.600 cd/lm
Required components:



LED NCSxx19A
FWHM 9.0°
Efficiency 88 %
Peak intensity 11.900 cd/lm
Required components:



LED NCSxx19B
FWHM 11.0°
Efficiency 85 %
Peak intensity 14.200 cd/lm
Required components:

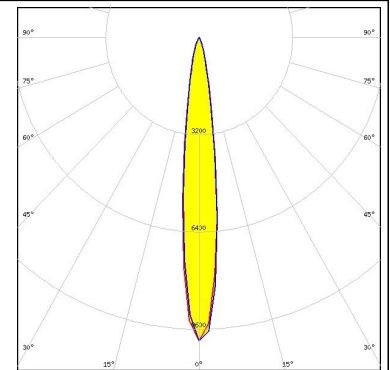
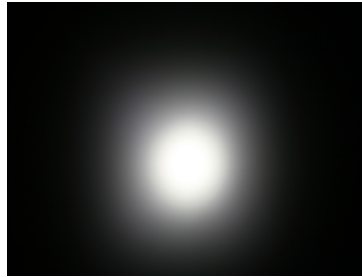


LED NVSxx19A
FWHM 12.0°
Efficiency 88 %
Peak intensity 8.900 cd/lm
Required components:

PHOTOMETRIC DATA (MEASURED):



LED NVSxx19B/NVSxx19C
FWHM 14.0°
Efficiency 91 %
Peak intensity 10.000 cd/lm
Required components:



LED Oslon Square EC
FWHM 10.0°
Efficiency 90 %
Peak intensity 12.900 cd/lm
Required components:



LED Oslon SSL 150
FWHM 9.0°
Efficiency 92 %
Peak intensity 15.000 cd/lm
Required components:

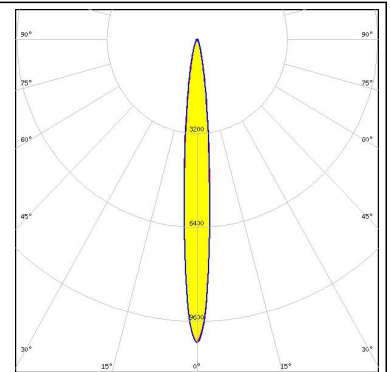


LED Oslon SSL 80
FWHM 7.0°
Efficiency 89 %
Peak intensity 19.300 cd/lm
Required components:

PHOTOMETRIC DATA (MEASURED):

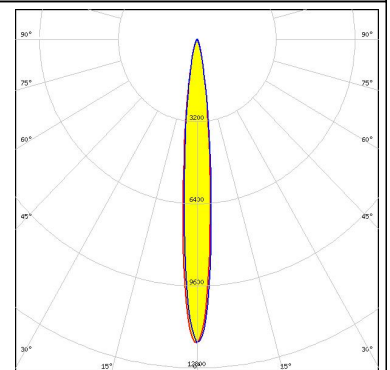
SAMSUNG

LED LH181A
FWHM 10.0°
Efficiency 88 %
Peak intensity 10.000 cd/lm
Required components:



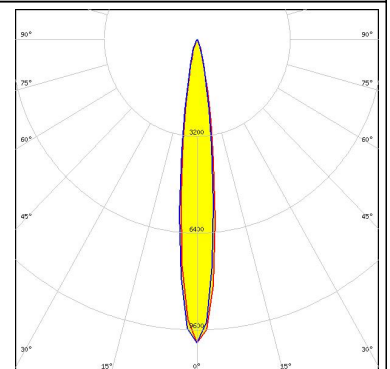
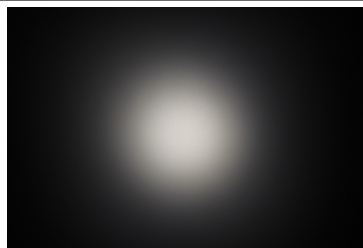
SAMSUNG

LED LH181B
FWHM 11.0°
Efficiency 94 %
Peak intensity 11.800 cd/lm
Required components:



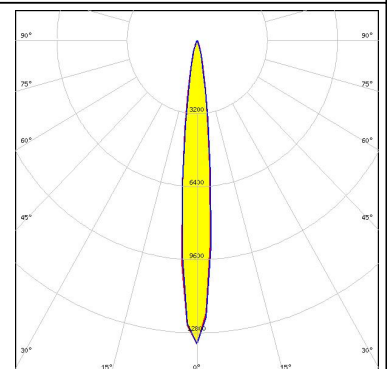
SAMSUNG

LED LH351B
FWHM 14.0°
Efficiency 88 %
Peak intensity 10.000 cd/lm
Required components:



SAMSUNG

LED LH351Z
FWHM 12.0°
Efficiency 88 %
Peak intensity 13.300 cd/lm
Required components:



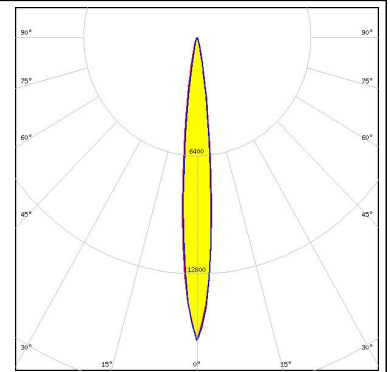
PHOTOMETRIC DATA (MEASURED):

	
SEOUL SEMICONDUCTOR	
LED	Z5
FWHM	8.0°
Efficiency	87 %
Peak intensity	22.300 cd/lm
Required components:	

PHOTOMETRIC DATA (SIMULATED):

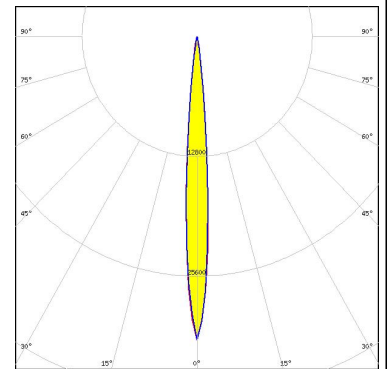
LUMILEDS

LED LUXEON 3030 HV
 FWHM 11.0°
 Efficiency 94 %
 Peak intensity 16.430 cd/lm
 Required components:



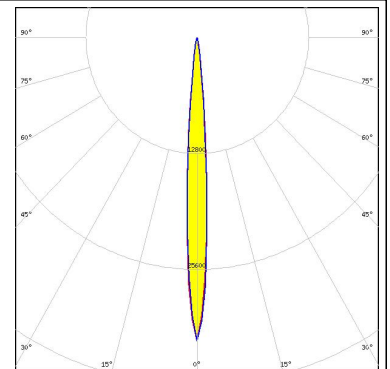
LUMILEDS

LED LUXEON Z
 FWHM 8.5°
 Efficiency 94 %
 Peak intensity 32.403 cd/lm
 Required components:



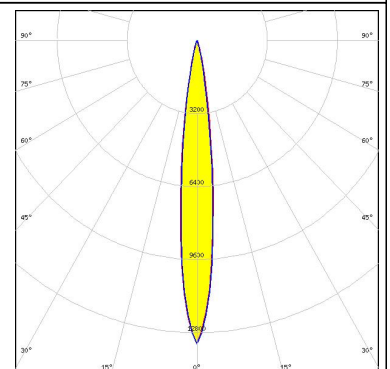
LUMILEDS

LED LUXEON Z ES
 FWHM 7.7°
 Efficiency 94 %
 Peak intensity 33.500 cd/lm
 Required components:



OSRAM Opto Semiconductors

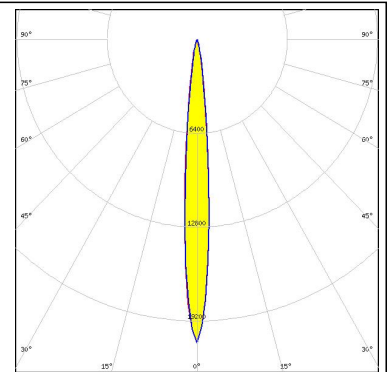
LED Oslon Square Gen3
 FWHM 13.0°
 Efficiency 94 %
 Peak intensity 13.300 cd/lm
 Required components:



PHOTOMETRIC DATA (SIMULATED):

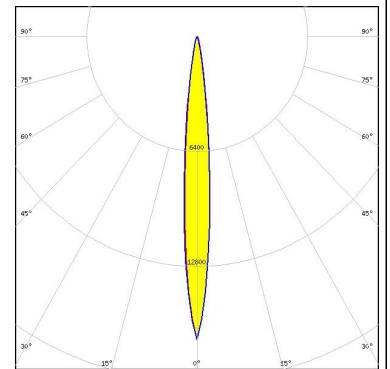
OSRAM
Opto Semiconductors

LED Oslon SSL 80
FWHM 9.4°
Efficiency 94 %
Peak intensity 20.070 cd/lm
Required components:



SEKUL
SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
FWHM 10.0°
Efficiency 90 %
Peak intensity 17.000 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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