



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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LISA2-O-CLIP

~45° x 20° oval beam optimized for LUXEON Rebel. 6.6 mm high variant with clip installation.

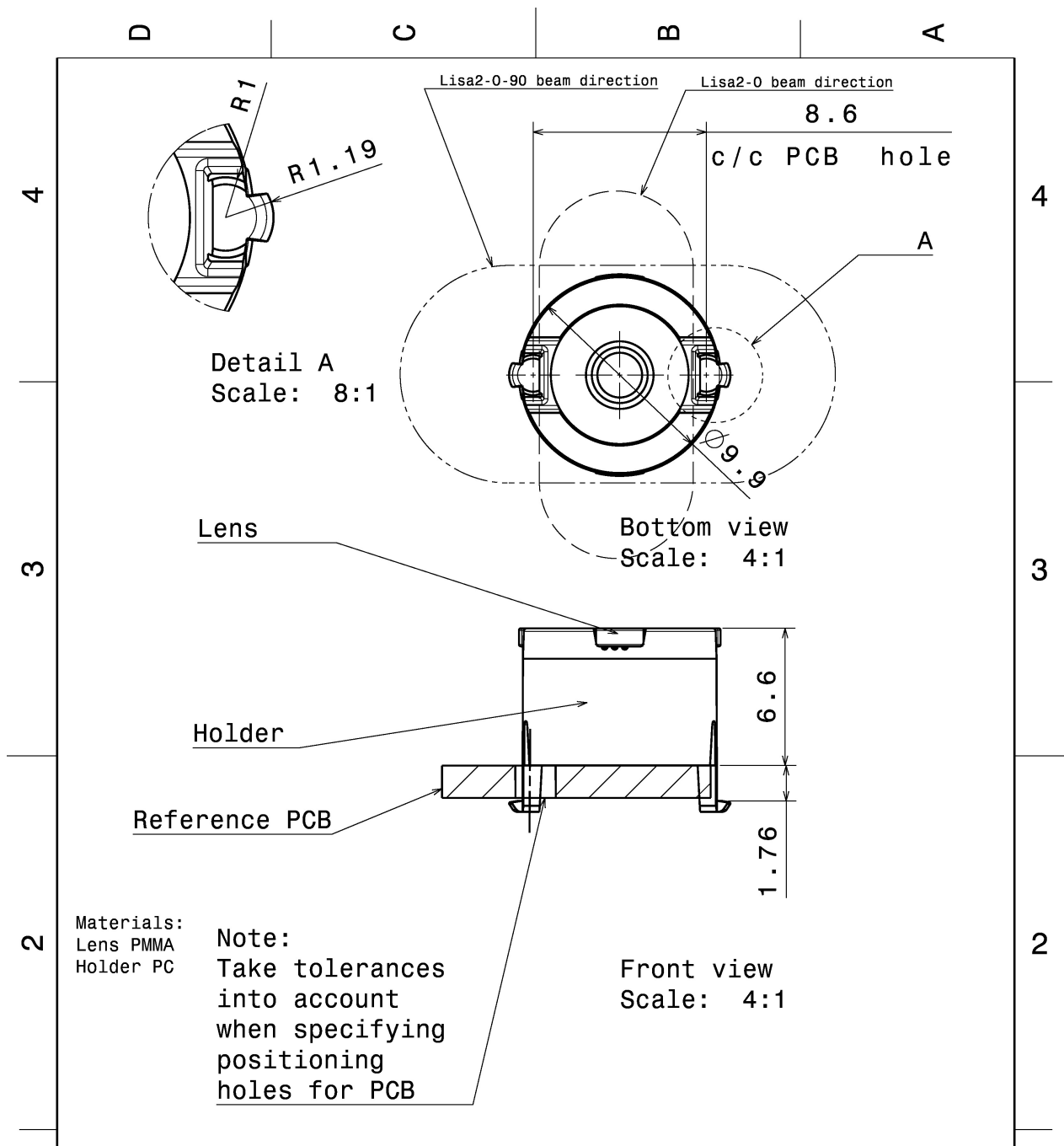
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	6.6 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-O-XP	Lens	PMMA	clear
LISA2-HLD-CLIP16-RE	Holder	PC	black



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DRAWING TITLE					
Datasheet Lisa2-clip16-Rebel series Assy					
DRAWN BY ch	DATE 20.7.2011	SIZE A4	DRAWING NUMBER		REV 2
CHECKED BY sn	DATE 20.7.2011	SCALE 4:1	WEIGHT (g)	SHEET 1/1	
DESIGNED BY hh	DATE 19.10.2009				

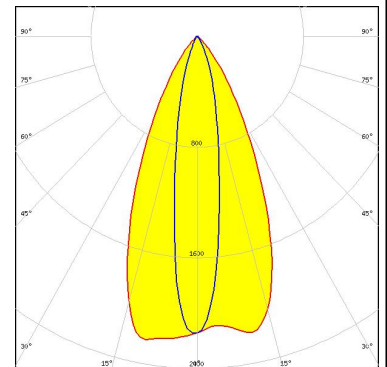
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON A
FWHM 44.0 + 23.0°
Efficiency %
Peak intensity cd/lm
Required components:

LUMILEDS

LED LUXEON Rebel
FWHM 48.0 + 19.0°
Efficiency 83 %
Peak intensity 2.150 cd/lm
Required components:



LUMILEDS

LED LUXEON Rebel ES
FWHM 44.0 + 23.0°
Efficiency 81 %
Peak intensity cd/lm
Required components:

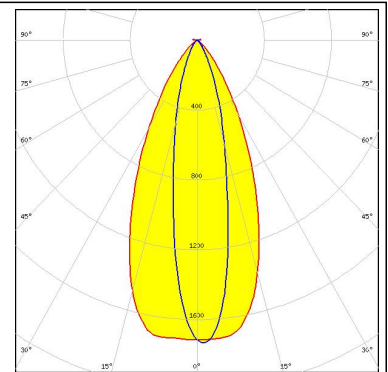
NICHIA

LED NCSxx19A
FWHM 20.0 + 48.0°
Efficiency 75 %
Peak intensity cd/lm
Required components:

PHOTOMETRIC DATA (MEASURED):

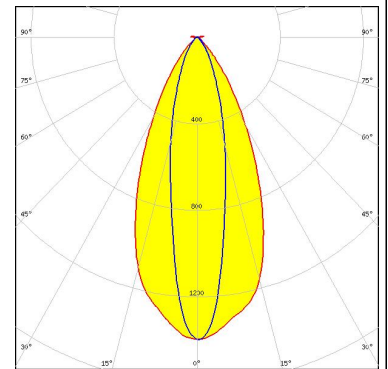
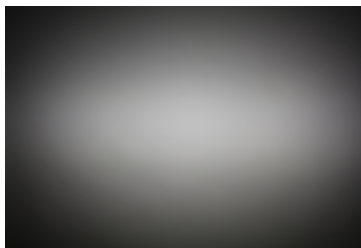
OSRAM
Opto Semiconductors

LED Oslon Square PC
FWHM 48.0 + 21.0°
Efficiency 75 %
Peak intensity 1.740 cd/lm
Required components:



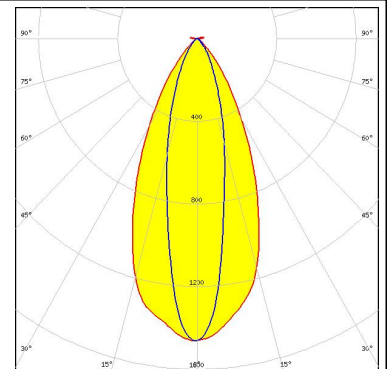
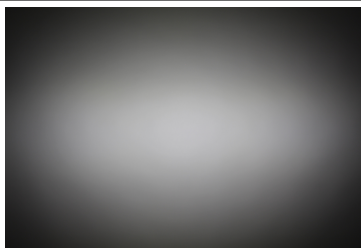
SAMSUNG

LED LH181A
FWHM 48.0 + 22.0°
Efficiency 64 %
Peak intensity 1.400 cd/lm
Required components:



SAMSUNG

LED LH181B
FWHM 48.0 + 23.0°
Efficiency 69 %
Peak intensity 1.500 cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):



LED	NVSxx19A
FWHM	20.0 + 48.0°
Efficiency	%
Peak intensity	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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