



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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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



LISA2-O-PIN

~45° x 20° oval beam. 6.8 mm high variant with location pin installation.

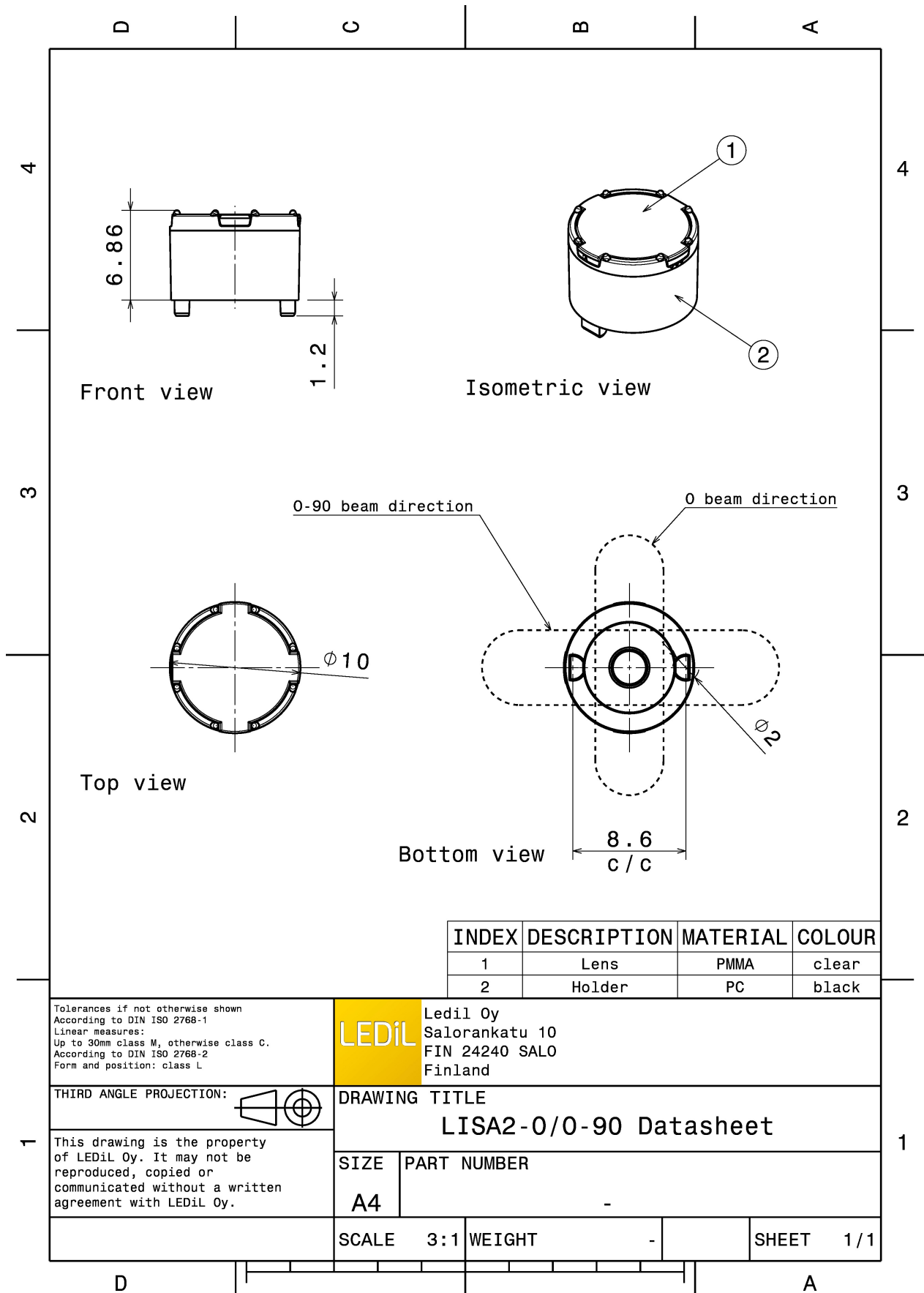
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	6.8 mm
Fastening	glue, pin
Colour	black
Box size	
Box weight	1.4 kg
Quantity in Box	2000 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

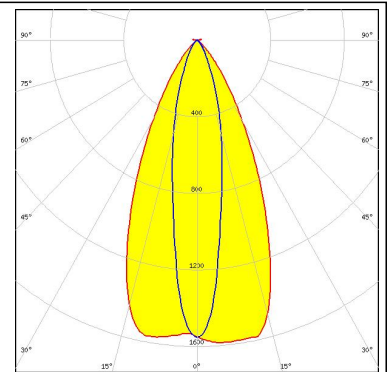
Component	Type	Material	Colour
LISA2-O-XP	Lens	PMMA	clear
LISA2-HLD-PIN	Holder	PC	black



PHOTOMETRIC DATA (MEASURED):

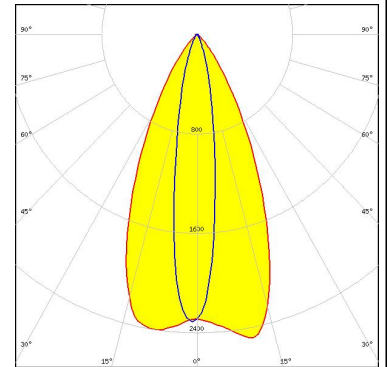
CREE 

LED XD16
 FWHM 50.0 + 20.0°
 Efficiency 66 %
 Peak intensity 1.600 cd/lm
 Required components:



CREE 

LED XP-E
 FWHM 18.0 + 48.0°
 Efficiency 83 %
 Peak intensity 2.300 cd/lm
 Required components:

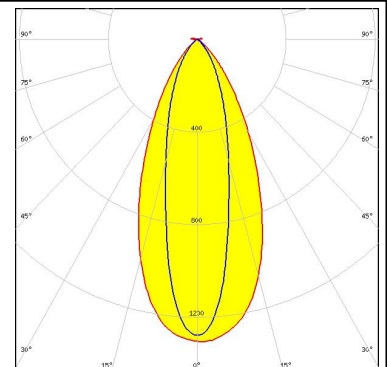
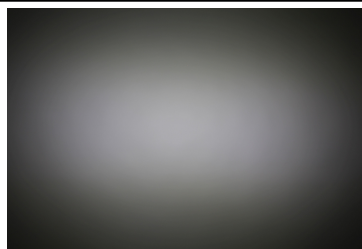


CREE 

LED XP-G
 FWHM 46.0 + 24.0°
 Efficiency 86 %
 Peak intensity cd/lm
 Required components:

CREE 

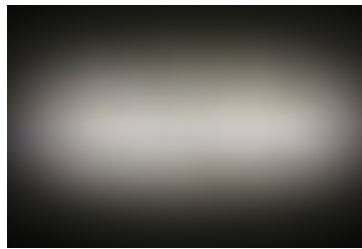
LED XP-G3
 FWHM 47.0 + 26.0°
 Efficiency 69 %
 Peak intensity 1.300 cd/lm
 Required components:



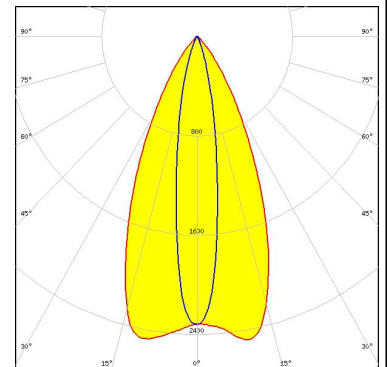
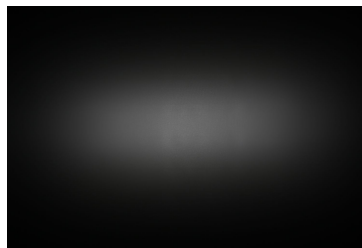
PHOTOMETRIC DATA (MEASURED):



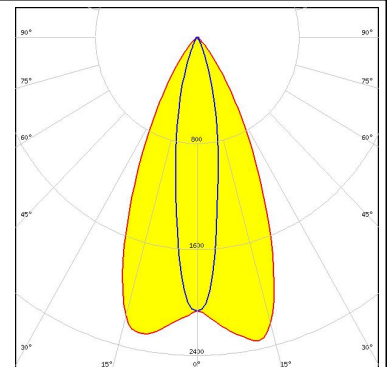
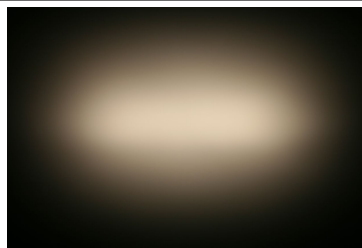
LED XQ-E HI
FWHM 15.0 + 50.0°
Efficiency 74 %
Peak intensity 2.730 cd/lm
Required components:



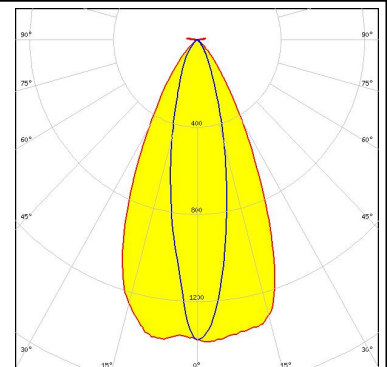
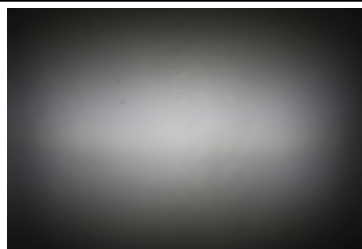
LED LUXEON C
FWHM 50.0 + 17.0°
Efficiency 81 %
Peak intensity 2.500 cd/lm
Required components:



LED LUXEON Z ES
FWHM 50.0 + 19.0°
Efficiency 79 %
Peak intensity 2.300 cd/lm
Required components:



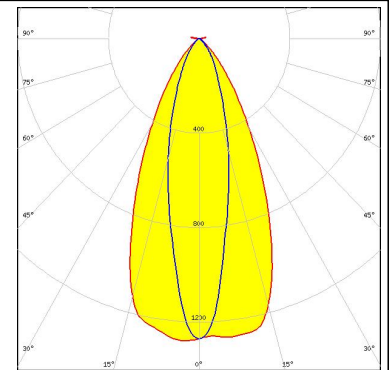
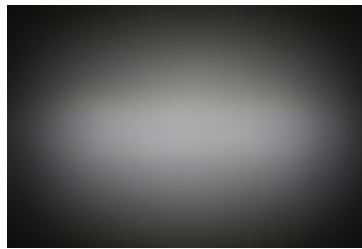
LED NCSxE17A
FWHM 51.0 + 22.0°
Efficiency 64 %
Peak intensity 1.400 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LH181B
FWHM 50.0 + 24.0°
Efficiency 65 %
Peak intensity 1.300 cd/lm
Required components:



SHARP

LED Double Dome (GM2BB)
FWHM 10.0 + 32.0°
Efficiency %
Peak intensity cd/lm
Required components:

PHOTOMETRIC DATA (SIMULATED):

CREE 

LED	XQ-E
FWHM	13.0 + 40.0°
Efficiency	86 %
Peak intensity	3.500 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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