



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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## LISA2-WWW-PIN

~80° wide beam. 7.0 mm high variant with location pin installation.

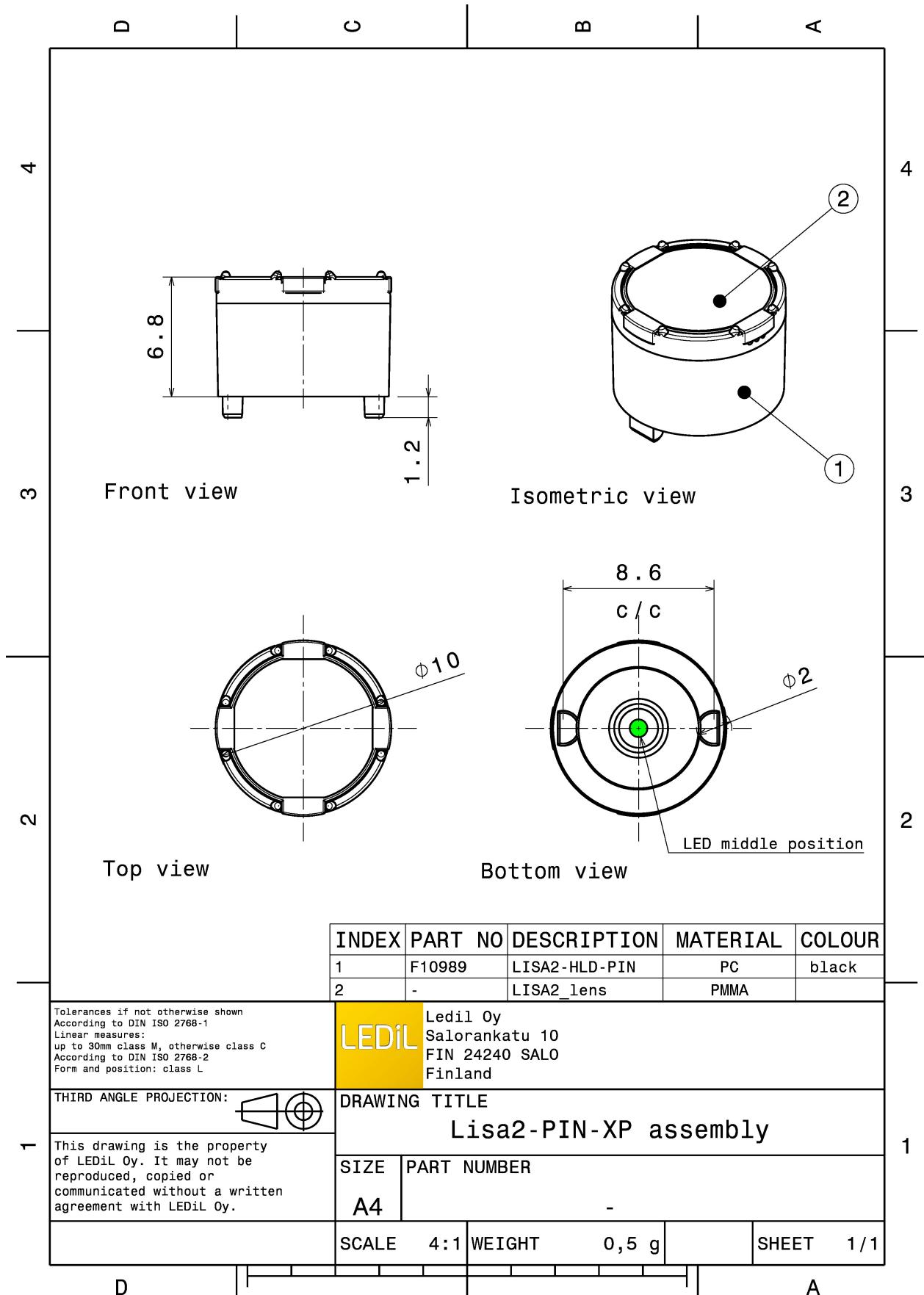


### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	7 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-WWW	Lens	PMMA	clear
LISA2-HLD-PIN	Holder	PC	black



## PHOTOMETRIC DATA (MEASURED):

### CREE

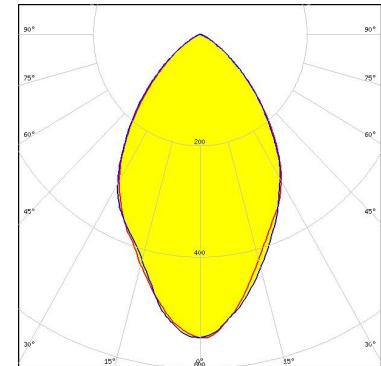
LED XB-D

FWHM 73.0°

Efficiency 71 %

Peak intensity cd/lm

Required components:



### CREE

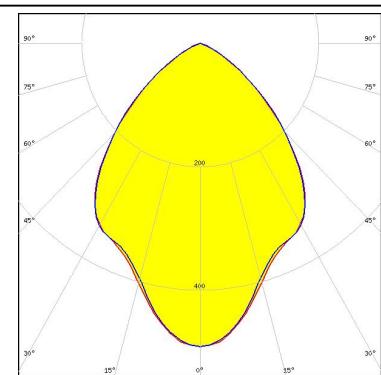
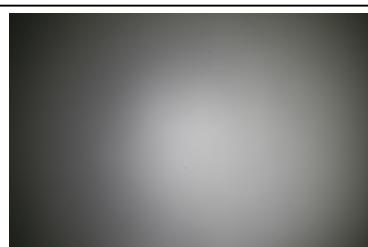
LED XD16

FWHM 66.0°

Efficiency 66 %

Peak intensity 0.550 cd/lm

Required components:



### CREE

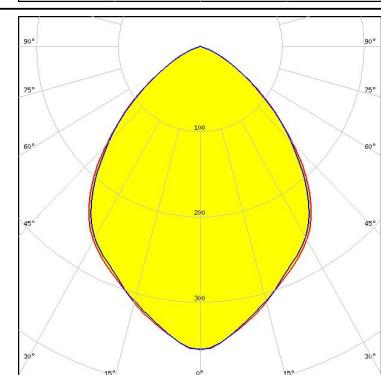
LED XP-E

FWHM 84.0°

Efficiency 77 %

Peak intensity 0.500 cd/lm

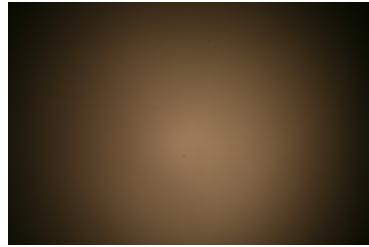
Required components:



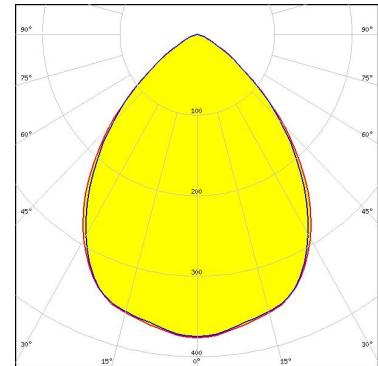
## PHOTOMETRIC DATA (MEASURED):



LED LUXEON A  
FWHM 86.0°  
Efficiency 72 %  
Peak intensity 0.300 cd/lm  
Required components:



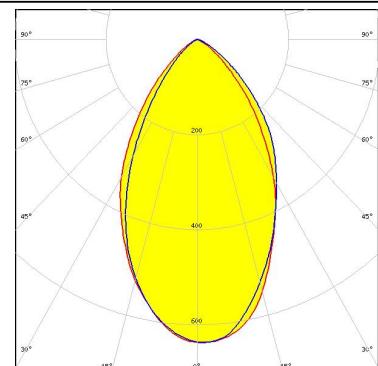
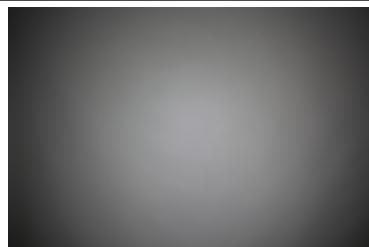
LED LUXEON Rebel ES  
FWHM 88.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:



LED LUXEON Z  
FWHM 73.0°  
Efficiency 75 %  
Peak intensity 0.600 cd/lm  
Required components:



LED LH181B  
FWHM 62.0°  
Efficiency 72 %  
Peak intensity 0.640 cd/lm  
Required components:



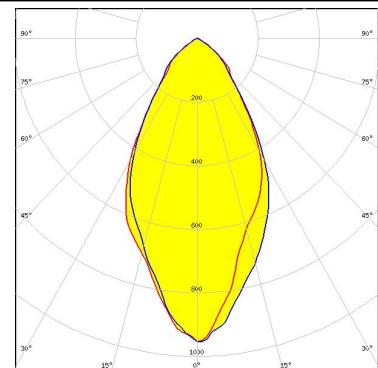
## PHOTOMETRIC DATA (SIMULATED):

### CREE®

LED XQ-E  
 FWHM 70.0°  
 Efficiency 81 %  
 Peak intensity 0.600 cd/lm  
 Required components:

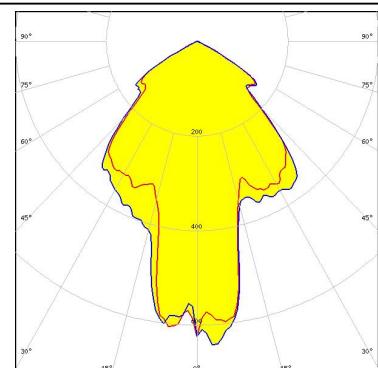
### OSRAM Opto Semiconductors

LED SFH 4715AS  
 FWHM 54.0°  
 Efficiency 88 %  
 Peak intensity 0.960 cd/lm  
 Required components:



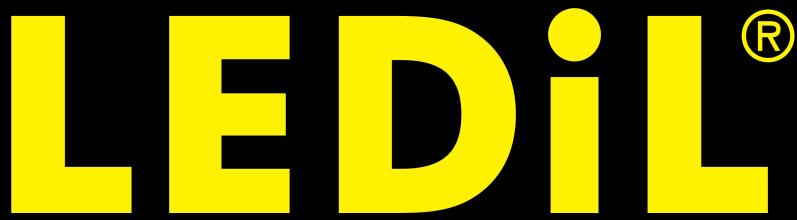
### OSRAM Opto Semiconductors

LED Synios P2720 1 mm  
 FWHM 74.0°  
 Efficiency 87 %  
 Peak intensity 0.660 cd/lm  
 Required components:



### SEOUL SEMICONDUCTOR

LED Z5  
 FWHM 70.0°  
 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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