

## 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



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F10989	LISA2-HLD-PIN	PC	black
2	-	LISA2_lens	PMMA	

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
up to 30mm class M, otherwise class C  
According to DIN ISO 2768-2  
Form and position: class L

**LEDiL**

Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**Lisa2-PIN-XP assembly**

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SIZE	PART NUMBER
A4	-

SCALE	WEIGHT	SHEET
4:1	0,5 g	1/1

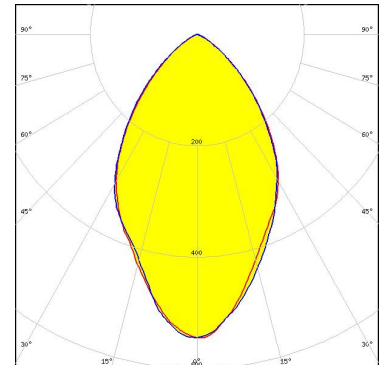
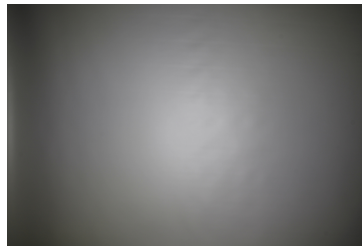
**PHOTOMETRIC DATA (MEASURED):**

**CREE** 

LED XB-D  
FWHM 73.0°  
Efficiency 71 %  
Peak intensity cd/lm  
Required components:

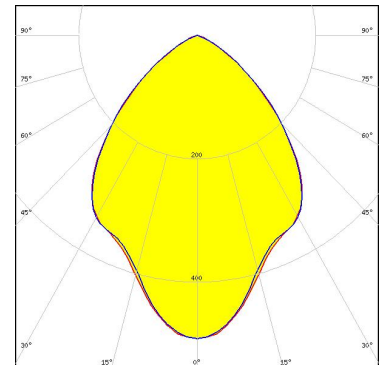
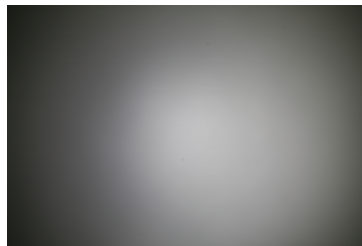
**CREE** 

LED XD16  
FWHM 66.0°  
Efficiency 66 %  
Peak intensity 0.550 cd/lm  
Required components:



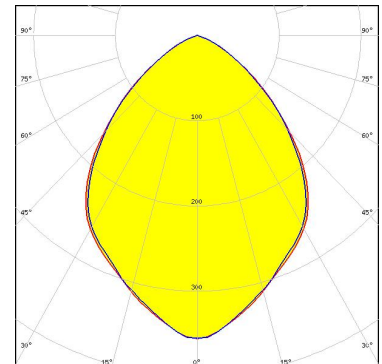
**CREE** 

LED XP-E  
FWHM 84.0°  
Efficiency 77 %  
Peak intensity 0.500 cd/lm  
Required components:



**CREE** 

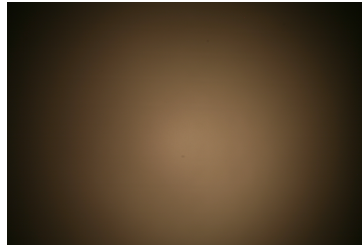
LED XP-G  
FWHM 86.0°  
Efficiency 75 %  
Peak intensity 0.400 cd/lm  
Required components:



### PHOTOMETRIC DATA (MEASURED):

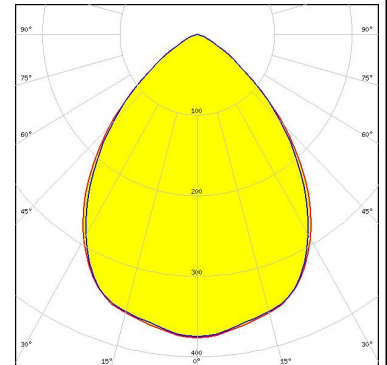
#### LUMILEDS

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



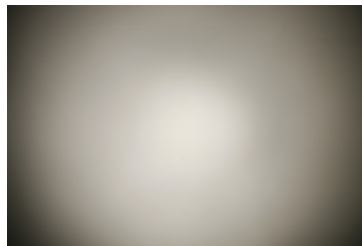
#### LUMILEDS

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



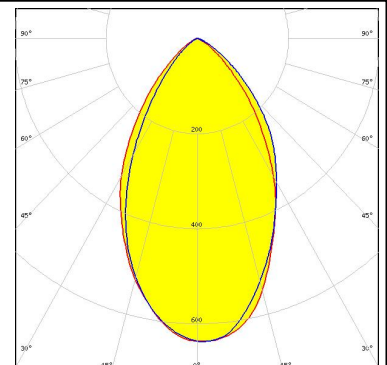
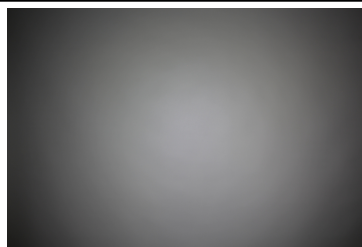
#### LUMILEDS

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



#### SAMSUNG

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



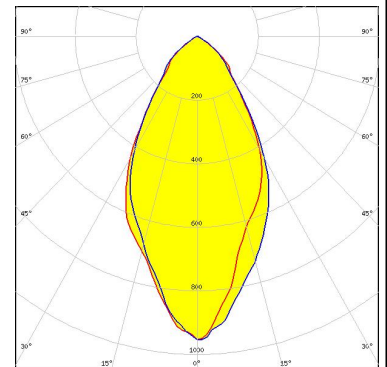
### PHOTOMETRIC DATA (SIMULATED):



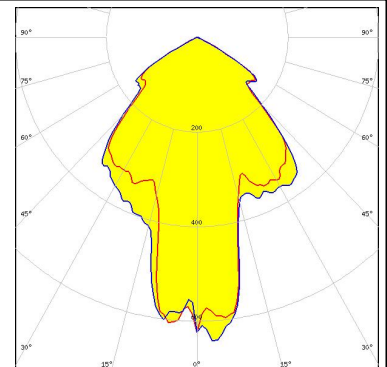
LED XQ-E  
FWHM 70.0°  
Efficiency 81 %  
Peak intensity 0.600 cd/lm  
Required components:



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



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:

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#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Local sales and technical support

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