

## LISA2-WW-PIN

~45° wide beam. 6.8 mm high variant with location pin installation.

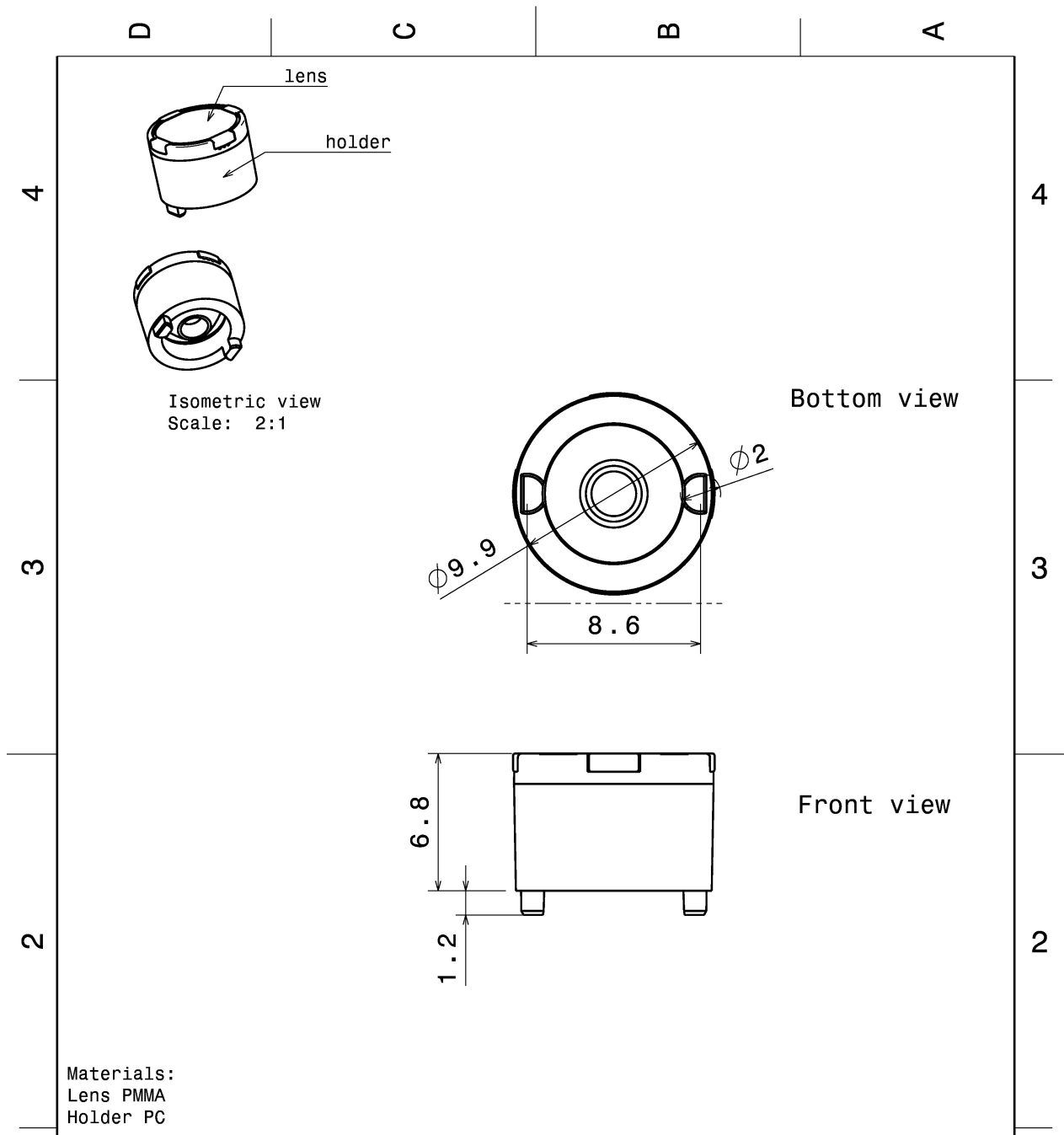
### TECHNICAL SPECIFICATIONS:

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-WW	Lens	PMMA	clear
LISA2-HLD-PIN	Holder	PC	black

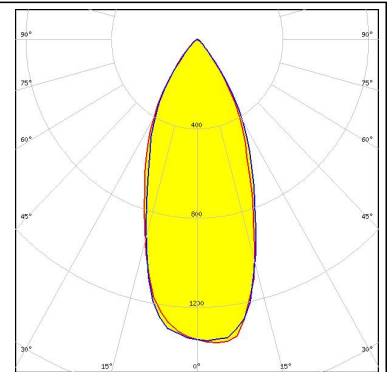
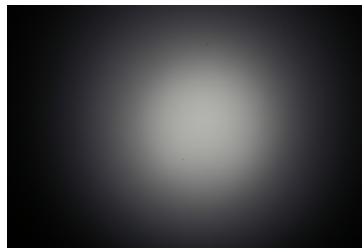


This drawing is our property. It can't be reproduced or communicated without our written agreement.				LediL Oy Salorankatu 10 FIN-24240 SALO Finland	
DRAWING TITLE		Datasheet Lisa2-Pin-XT Series Assy			
DRAWN BY p1	DATE 20.06.2012	SIZE A4	DRAWING NUMBER		REV 1
CHECKED BY	DATE	SCALE 4:1	WEIGHT (g)	SHEET 1/1	
DESIGNED BY p1	DATE 20.06.2012				

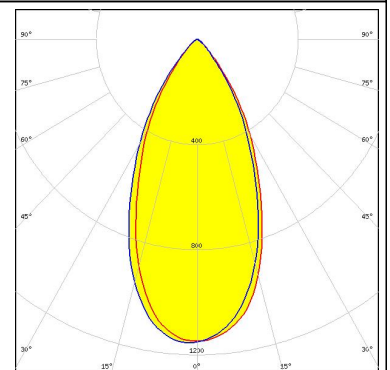
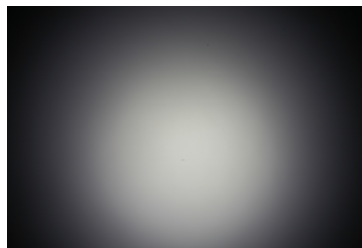
**PHOTOMETRIC DATA (MEASURED):**



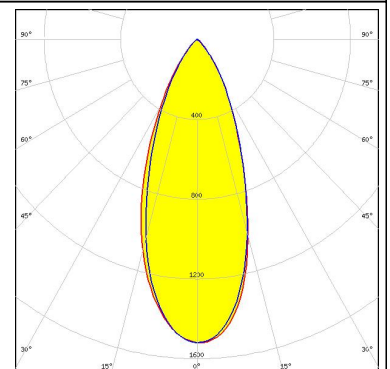
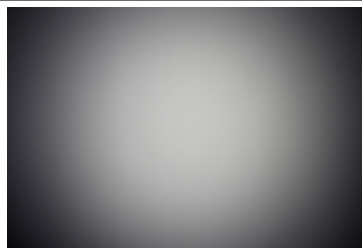
LED XP-E2  
FWHM 43.0°  
Efficiency 88 %  
Peak intensity 1.350 cd/lm  
Required components:



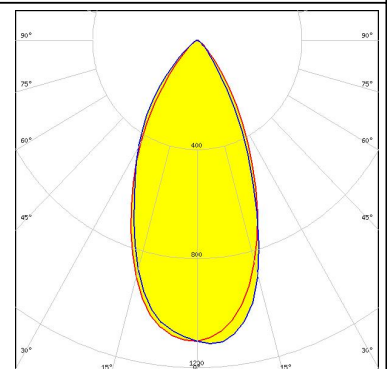
LED XP-G2  
FWHM 47.0°  
Efficiency 88 %  
Peak intensity 1.200 cd/lm  
Required components:




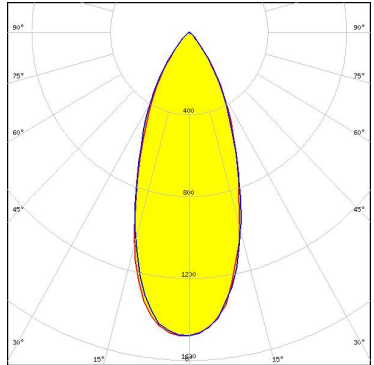
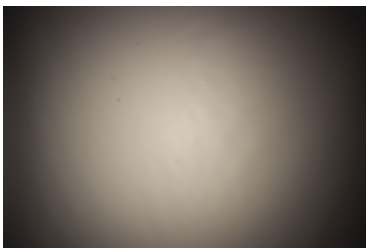
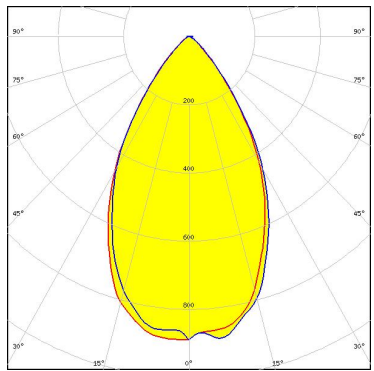

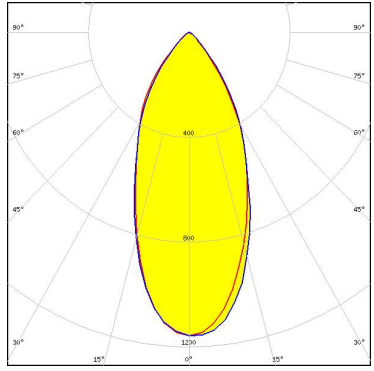
LED XP-G3  
FWHM 42.0°  
Efficiency 84 %  
Peak intensity 1.520 cd/lm  
Required components:



LED XT-E  
FWHM 47.0°  
Efficiency 84 %  
Peak intensity 1.100 cd/lm  
Required components:



**PHOTOMETRIC DATA (MEASURED):**

<p><b>NICHIA</b></p> <p>LED            NCSxx19B FWHM        41.0° Efficiency    86 % Peak intensity 1.500 cd/lm Required components:</p>		
<p><b>NICHIA</b></p> <p>LED            NVSxx19B/NVSxx19C FWHM        41.0° Efficiency    85 % Peak intensity 1.400 cd/lm Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED            Oslon Square EC FWHM        46.0° Efficiency    84 % Peak intensity 1.600 cd/lm Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED            SFH 4715S FWHM        36.0° Efficiency    % Peak intensity cd/lm Required components:</p>		

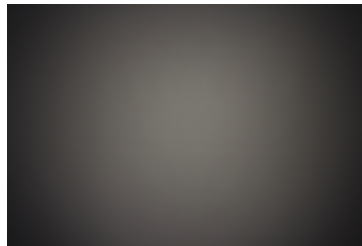
## PHOTOMETRIC DATA (MEASURED):

**OSRAM**  
Opto Semiconductors

LED SFH 4725S  
FWHM 34.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:

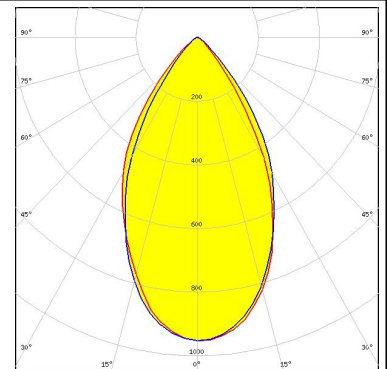
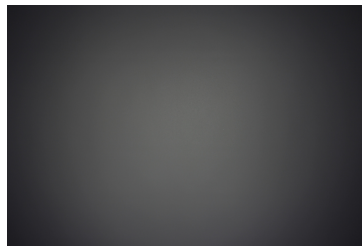
**SAMSUNG**

LED LH351B  
FWHM 56.0°  
Efficiency 88 %  
Peak intensity 1.020 cd/lm  
Required components:



**SAMSUNG**

LED LH351Z  
FWHM 60.0°  
Efficiency 90 %  
Peak intensity 0.950 cd/lm  
Required components:



**PHOTOMETRIC DATA (SIMULATED):**

**LUMILEDS**

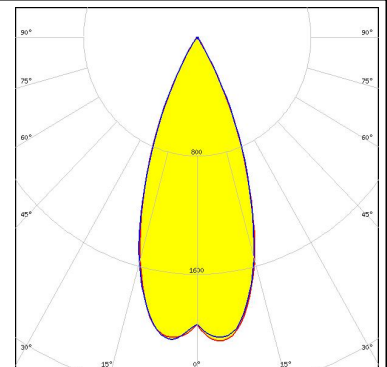
LED LUXEON IR Domed 150  
 FWHM 60.0°  
 Efficiency 89 %  
 Peak intensity 0.000 cd/lm  
 Required components:

**LUMILEDS**

LED LUXEON Q  
 FWHM 54.0°  
 Efficiency 84 %  
 Peak intensity 1.000 cd/lm  
 Required components:

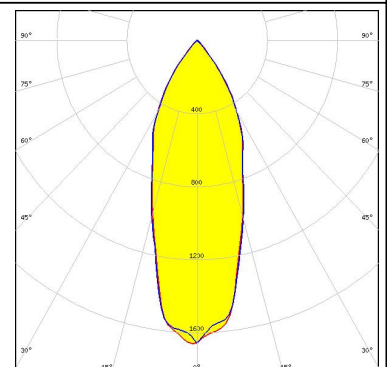
**LUMILEDS**

LED LUXEON TX  
 FWHM 40.0°  
 Efficiency 94 %  
 Peak intensity 2.100 cd/lm  
 Required components:



**OSRAM**  
Opto Semiconductors

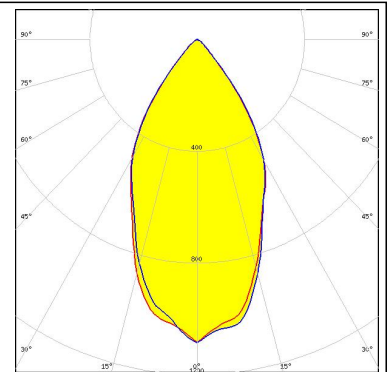
LED Oslon Black  
 FWHM 36.0°  
 Efficiency 93 %  
 Peak intensity 1.700 cd/lm  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

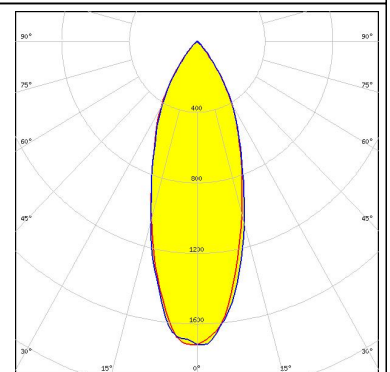
**OSRAM**  
Opto Semiconductors

LED Oslon SSL 80  
FWHM 55.0°  
Efficiency 91 %  
Peak intensity 1.100 cd/lm  
Required components:



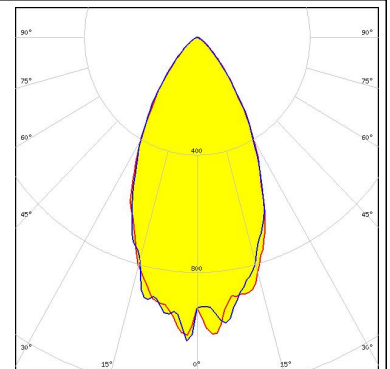
**OSRAM**  
Opto Semiconductors

LED SFH 4715AS  
FWHM 36.0°  
Efficiency 92 %  
Peak intensity 0.000 cd/lm  
Required components:



**SEOL**  
SEOUL SEMICONDUCTOR

LED Z8Y22P  
FWHM 50.0°  
Efficiency 86 %  
Peak intensity 1.050 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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