

## LISA2-WW-PIN

~45° wide beam optimized for 3535 size LED packages. 6.8 mm high variant with location pin installation.



### SPECIFICATION:

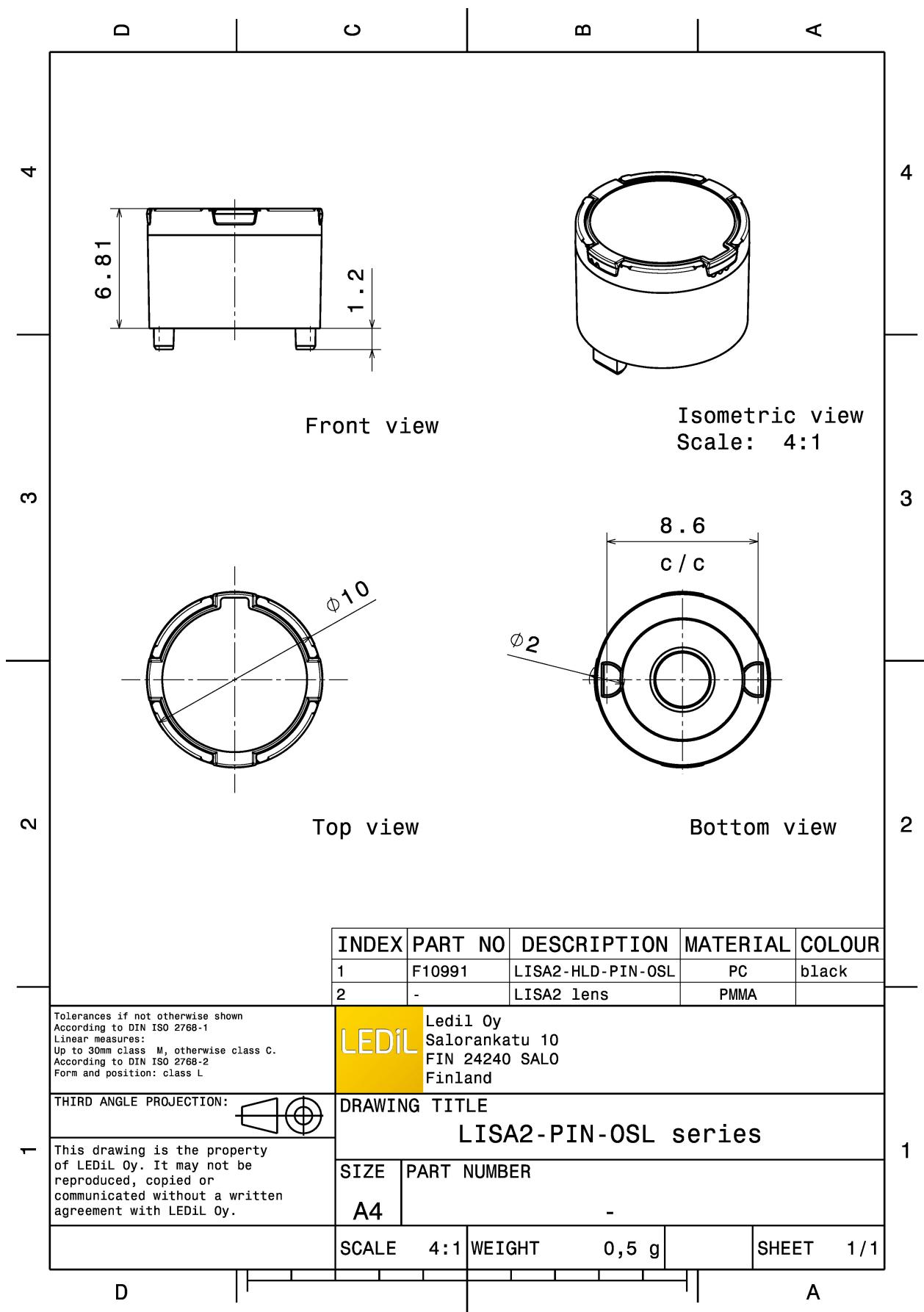
Dimensions	Ø 9.9
Height	6.8 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LISA2-WW	Single lens	PMMA	clear		
LISA2-HLD-PIN-OSL	Holder	PC	black		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FP11003_LISA2-WW-PIN	Single lens	300	100	1.4
» Box size:				



See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

## OPTICAL RESULTS (MEASURED):

### OSRAM

Opto Semiconductors

LED OSLON Square EC

FWHM / FWTM 48.0° / 90.0°

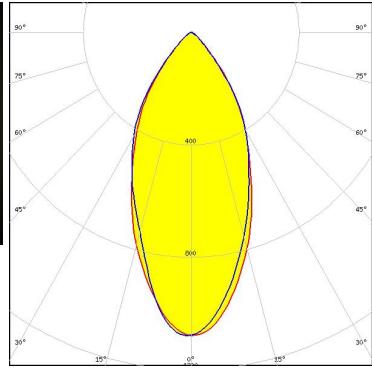
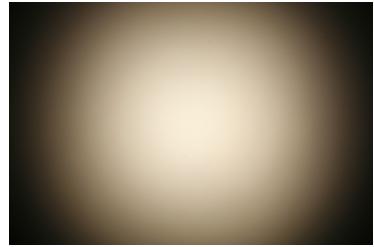
Efficiency 89 %

Peak intensity 0.9 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:



Light distribution files

### OSRAM

Opto Semiconductors

LED OSLON SSL 150

FWHM / FWTM 51.0° / 82.0°

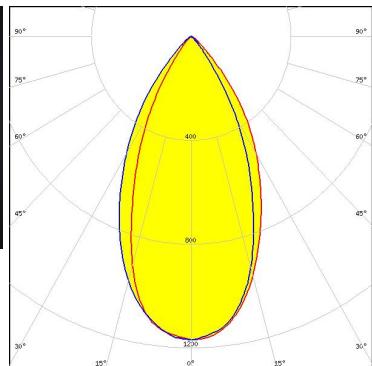
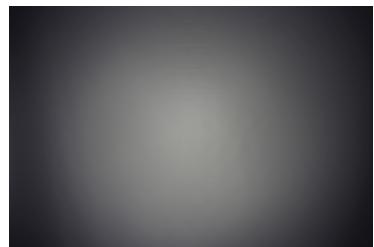
Efficiency 90 %

Peak intensity 1.2 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

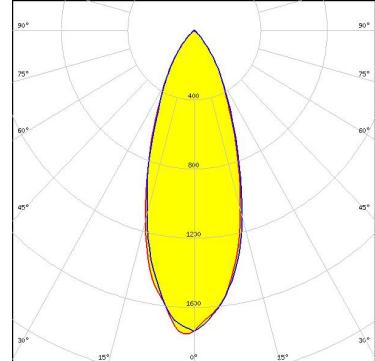


Light distribution files

### OPTICAL RESULTS (SIMULATED):



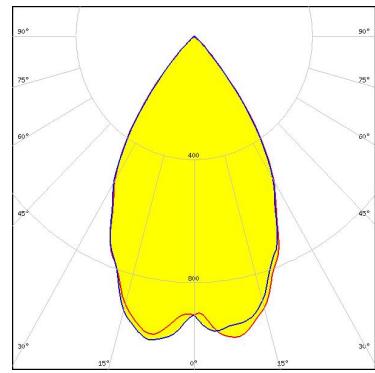
**LED** CSP 2323 (BXCP)  
**FWHM / FWTM** 38.0° / 74.0°  
**Efficiency** 90 %  
**Peak intensity** 1.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



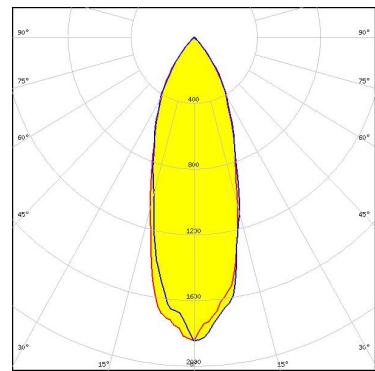
**LED** OSLON Pure 1414  
**FWHM / FWTM** 63.0 + 62.0° / 86.0°  
**Efficiency** 95 %  
**Peak intensity** 1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** Synios P2720 1 mm  
**FWHM / FWTM** 43.0° / 84.0°  
**Efficiency** 93 %  
**Peak intensity** 1.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files

## 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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