

## LISA2-WWW-PIN

~80° wide beam optimized for LUXEON Rebel.  
6.6 mm high variant with location pin  
installation.

### SPECIFICATION:

Dimensions	Ø 9.9 mm
Height	6.6 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

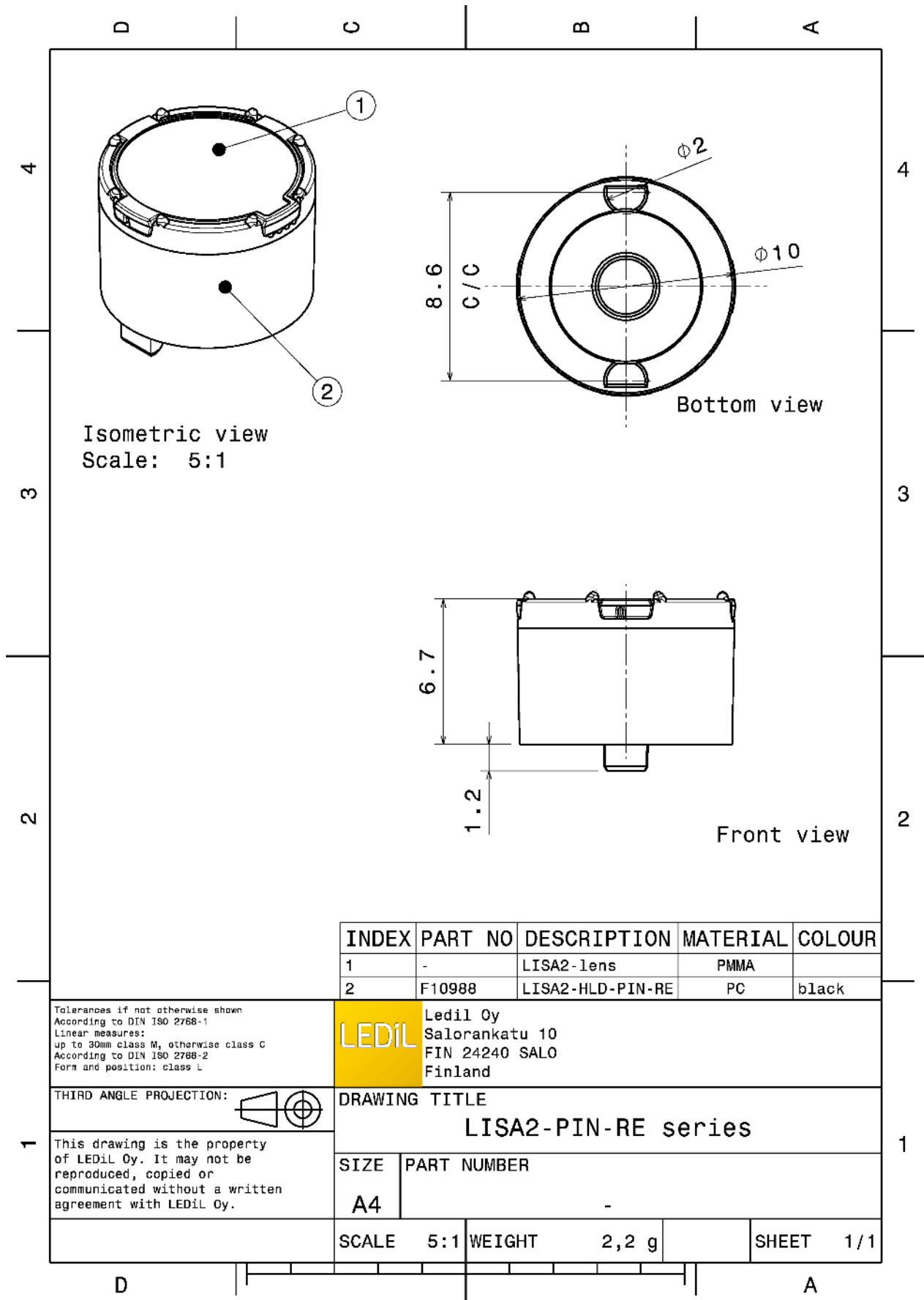


### MATERIALS:

Component	Type	Material	Colour	Finish
LISA2-WWW	Single lens	PMMA	clear	
LISA2-HLD-PIN-RE	Holder	PC	black	




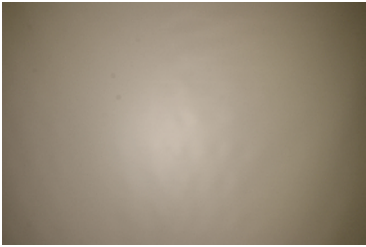
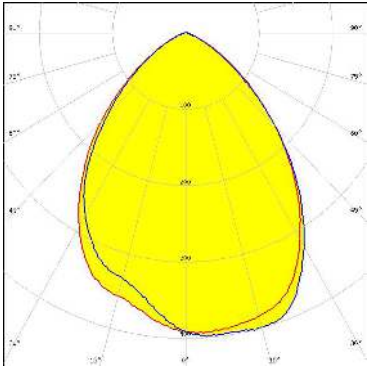

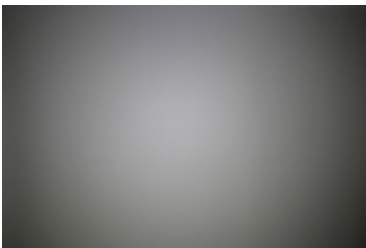
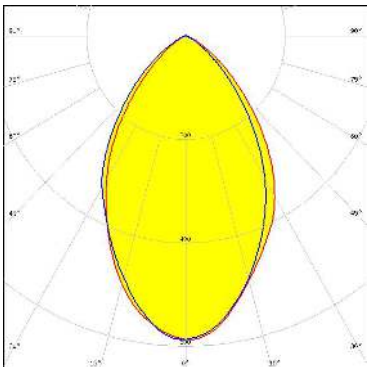
### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP11951_LISA2-WWW-PIN	Single lens	2000		100	1.4
» Box size:					



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

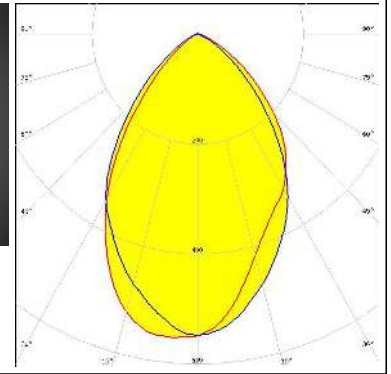
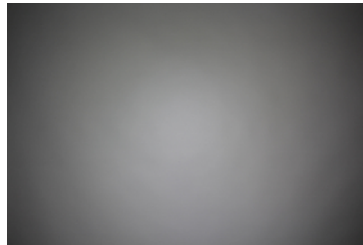
#### OPTICAL RESULTS (MEASURED):

		
LED	LUXEON Rebel	
FWHM / FWTM	80.0°	
Efficiency	79 %	
LEDs/each optic	1	
Light colour	White	
Required components:		
		
LED	NCSxx19A	
FWHM / FWTM	76.0° / 118.0°	
Efficiency	79 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	83.0° / 123.0°	
Efficiency	69 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		
		
		
LED	LH181A	
FWHM / FWTM	68.0° / 110.0°	
Efficiency	73 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		
		

### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

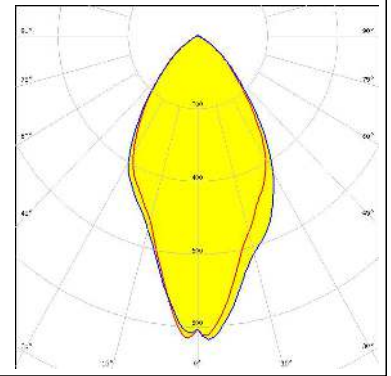
LED LH181B  
FWHM / FWTM 73.0° / 114.0°  
Efficiency 75 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OPTICAL RESULTS (SIMULATED):



LED	LUXEON IR 2720
FWHM / FWTM	57.0° / 105.0°
Efficiency	82 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	IR
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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