

## LISA2-M-PIN

~20° medium 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 ⓘ

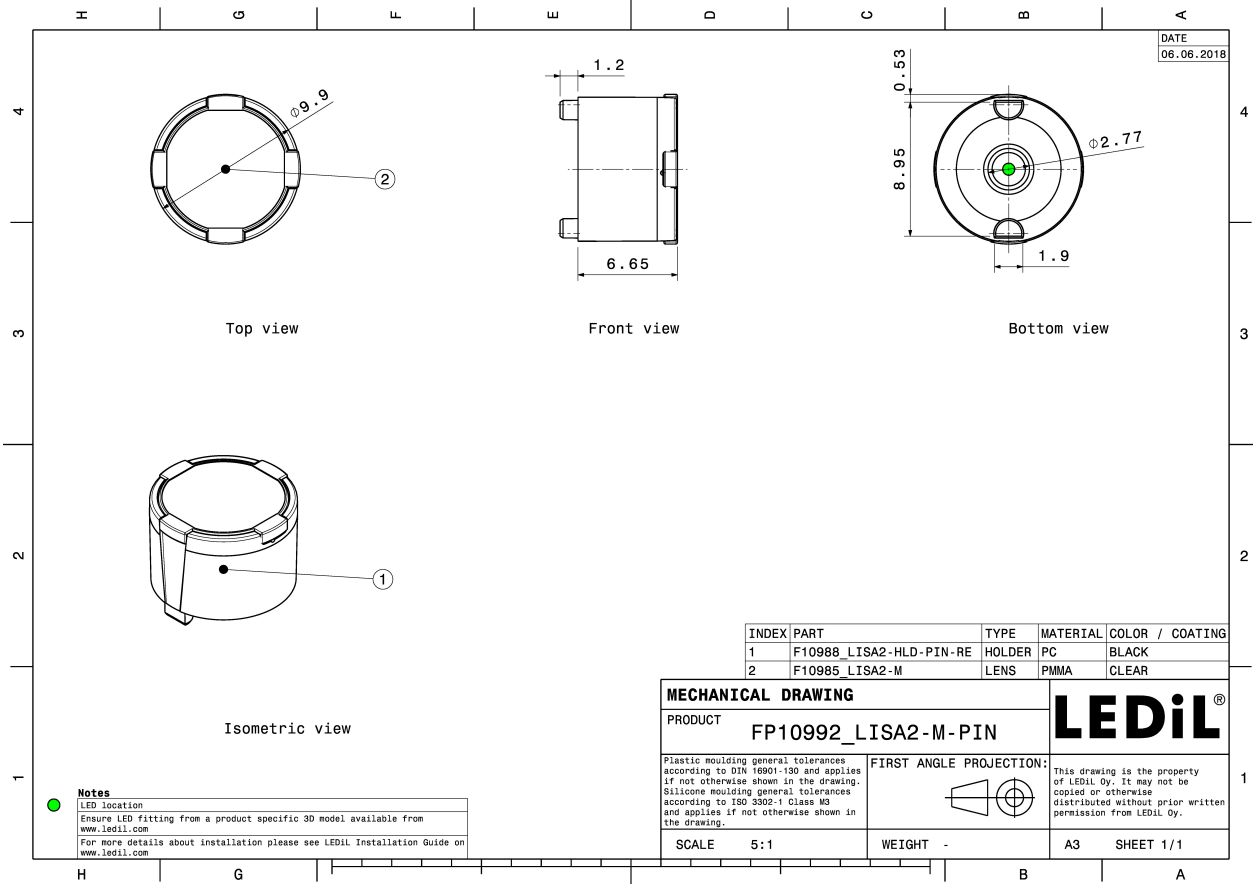


### MATERIALS:

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

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP10992_LISA2-M-PIN	Single lens	2000	300	100	1.4
» Box size:					

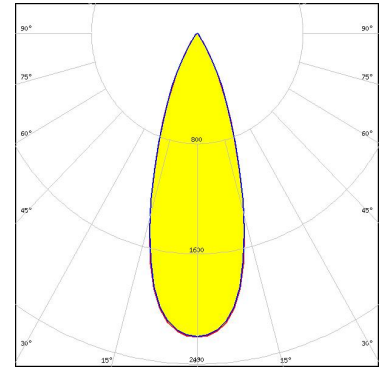


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



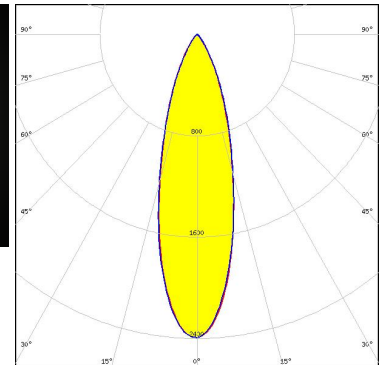
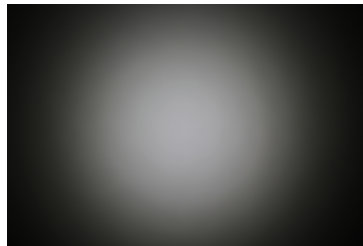
LED LUXEON Rebel ES  
FWHM / FWTM 35.0° / 60.0°  
Efficiency 93 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LH181B  
FWHM / FWTM 29.0° / 61.0°  
Efficiency 86 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

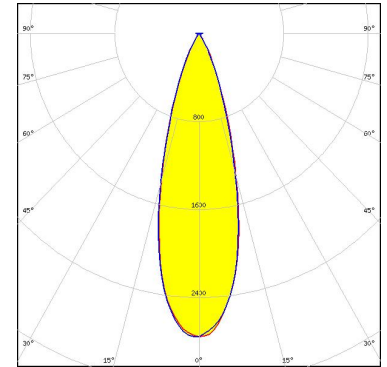


Light distribution files

### OPTICAL RESULTS (SIMULATED):



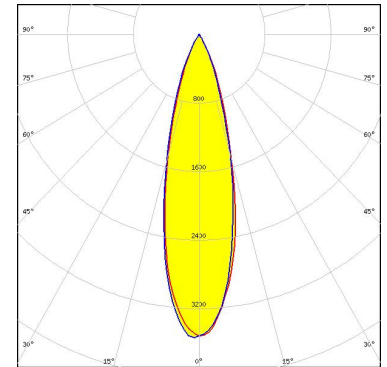
LED XD16  
FWHM / FWTM 30.0° / 54.0°  
Efficiency 87 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



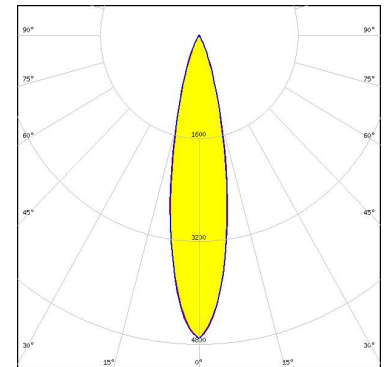
LED LUXEON Rebel  
FWHM / FWTM 27.0° / 51.0°  
Efficiency 94 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NCSxE17A  
FWHM / FWTM 22.0° / 44.0°  
Efficiency 91 %  
Peak intensity 4.7 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:

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