

## LISA2-O-90-PIN

~20° x 50° oval beam optimized for LUXEON Rebel. Variant with beam direction rotated 90°. 6.6 mm high variant with location pin installation.

### TECHNICAL SPECIFICATIONS:

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

### MATERIAL SPECIFICATIONS:

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

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP11853_LISA2-O-90-PIN	Single lens	2000	300	100	1.4
» Box size:					



## PHOTOMETRIC DATA (MEASURED):

### LUMILEDS

LED LUXEON A  
FWHM 48.0 + 20.0°  
Efficiency %  
LEDs/each optic 1  
Light colour White  
Required components:

### LUMILEDS

LED LUXEON Rebel  
FWHM 48.0 + 19.0°  
Efficiency 83 %  
LEDs/each optic 1  
Light colour White  
Required components:

### LUMILEDS

LED LUXEON Rebel ES  
FWHM 48.0 + 20.0°  
Efficiency 81 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour White  
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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