


## LISA3CSP-RS-PIN

~15° spot beam

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 10.0 mm
Height	7.2 mm
Fastening	glue
ROHS compliant	yes 

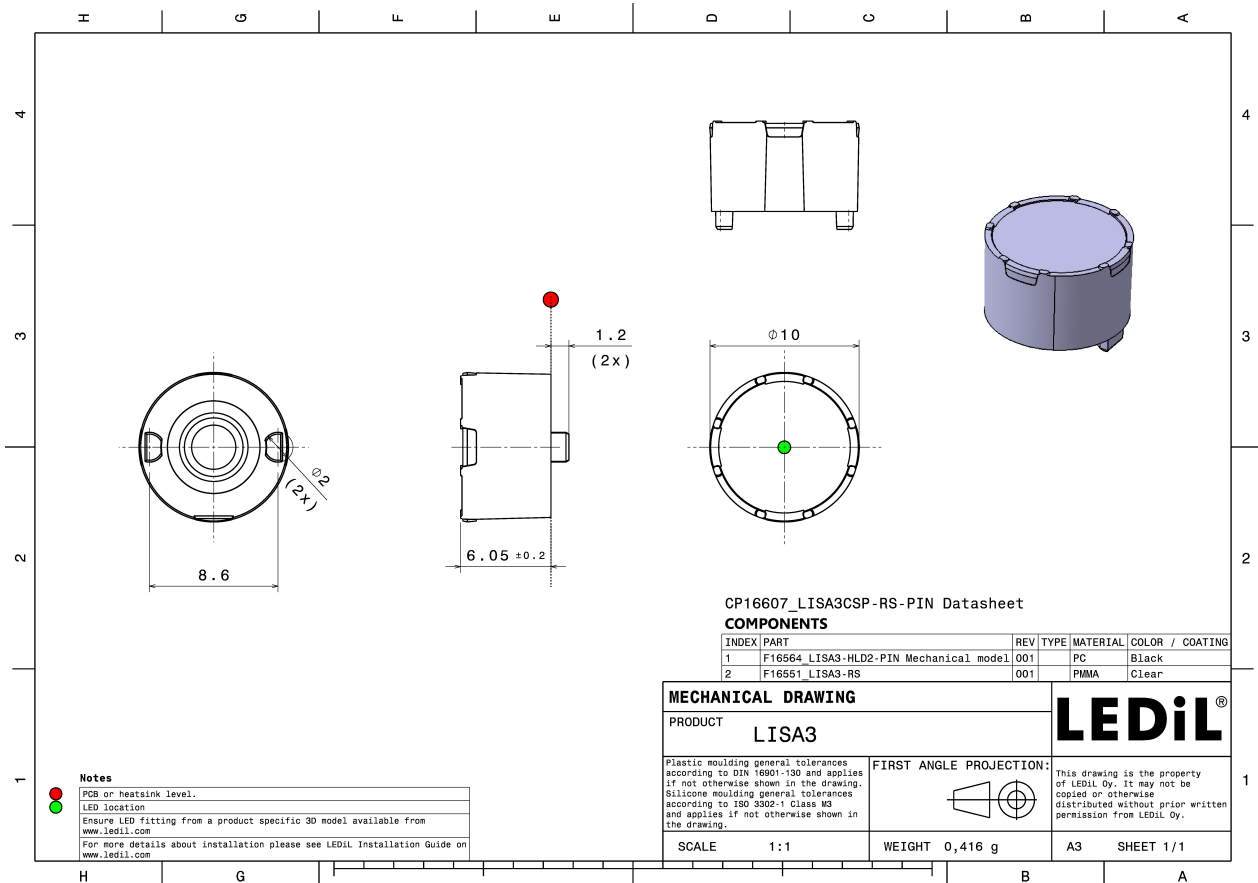
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LISA3-RS	Single lens	PMMA	clear	
LISA3-HLD2-PIN	Holder	PC	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP16607_LISA3CSP-RS-PIN	Single lens	2000	300	100	1.2
» Box size: 310 x 230 x 60 mm					

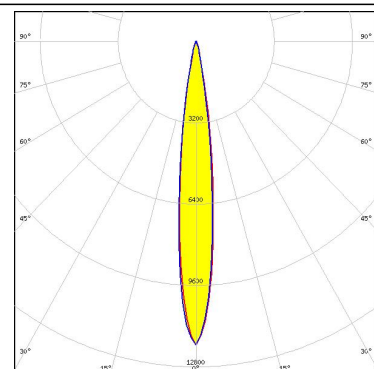




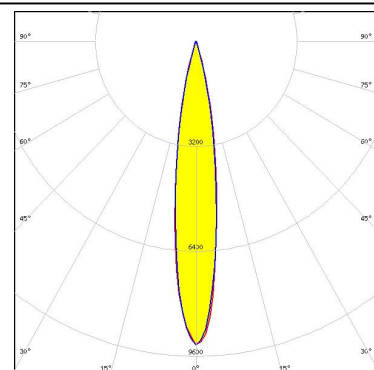
#### PHOTOMETRIC DATA (SIMULATED):



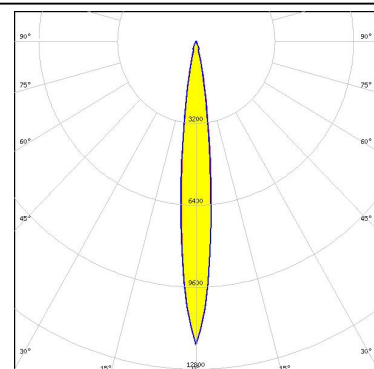
LED LUXEON CSP HL1  
 FWHM 13.0°  
 Efficiency 95 %  
 Peak intensity 11.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



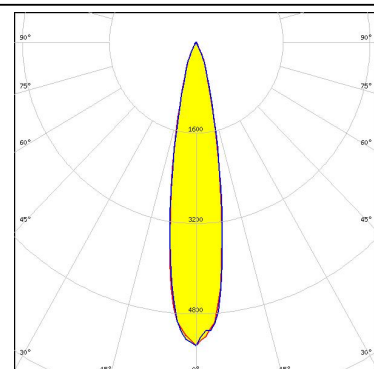
LED NCSxE17A  
 FWHM 15.0°  
 Efficiency 87 %  
 Peak intensity 8.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NFSWE11A  
 FWHM 12.0°  
 Efficiency 84 %  
 Peak intensity 11.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



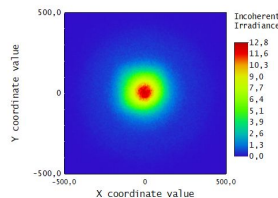
LED NVSxE21A  
 FWHM 20.0°  
 Efficiency 90 %  
 Peak intensity 5.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

**OSRAM**  
Opto Semiconductors

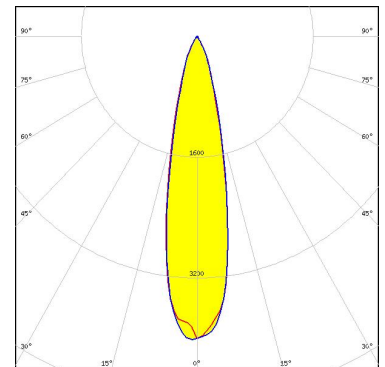
LED SFH 4170S  
FWHM 16.0°  
Efficiency 76 %  
LEDs/each optic 1  
Light colour IR  
Required components:



Detector Image: Incoherent Irradiance  
Zemax OpticStudio 13.4 SP1  
Title: FP16607\_LISA3CSP-RS-PIN  
Configuration 1 of 1

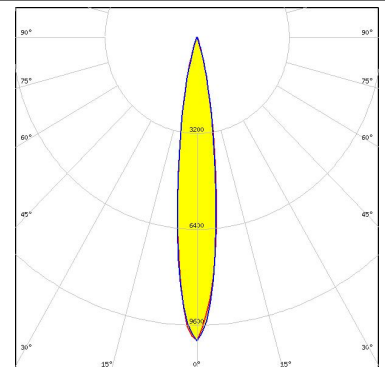
**SAMSUNG**

LED LH181B  
FWHM 22.0°  
Efficiency 89 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



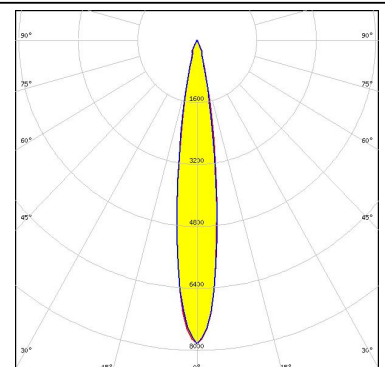
**SAMSUNG**

LED LM101B  
FWHM 14.0°  
Efficiency 89 %  
Peak intensity 8.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

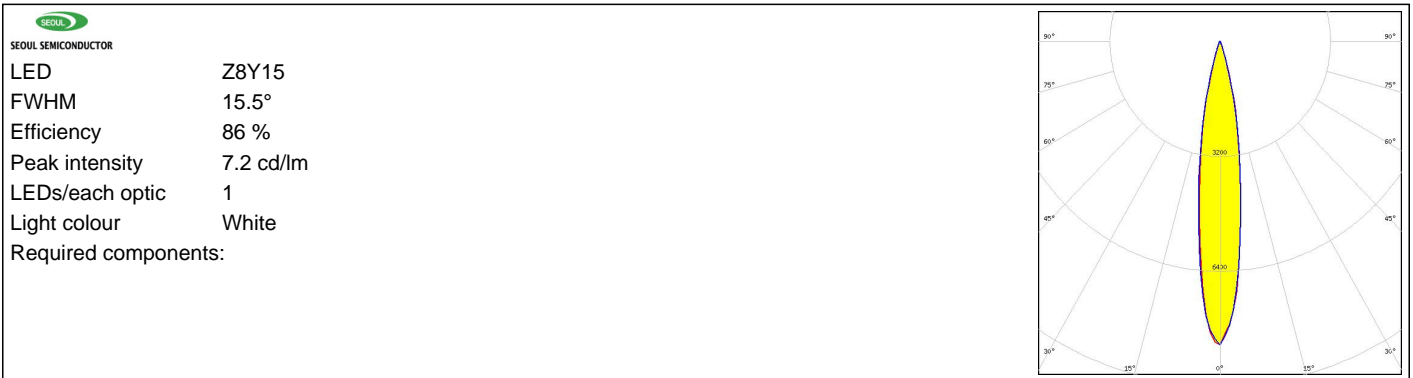


SEOUL SEMICONDUCTOR

LED Z8Y11  
FWHM 16.0°  
Efficiency 81 %  
Peak intensity 7.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (SIMULATED):



### 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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