

LISA3CSP-RS-PIN

~15° spot beam

TECHNICAL SPECIFICATIONS:

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

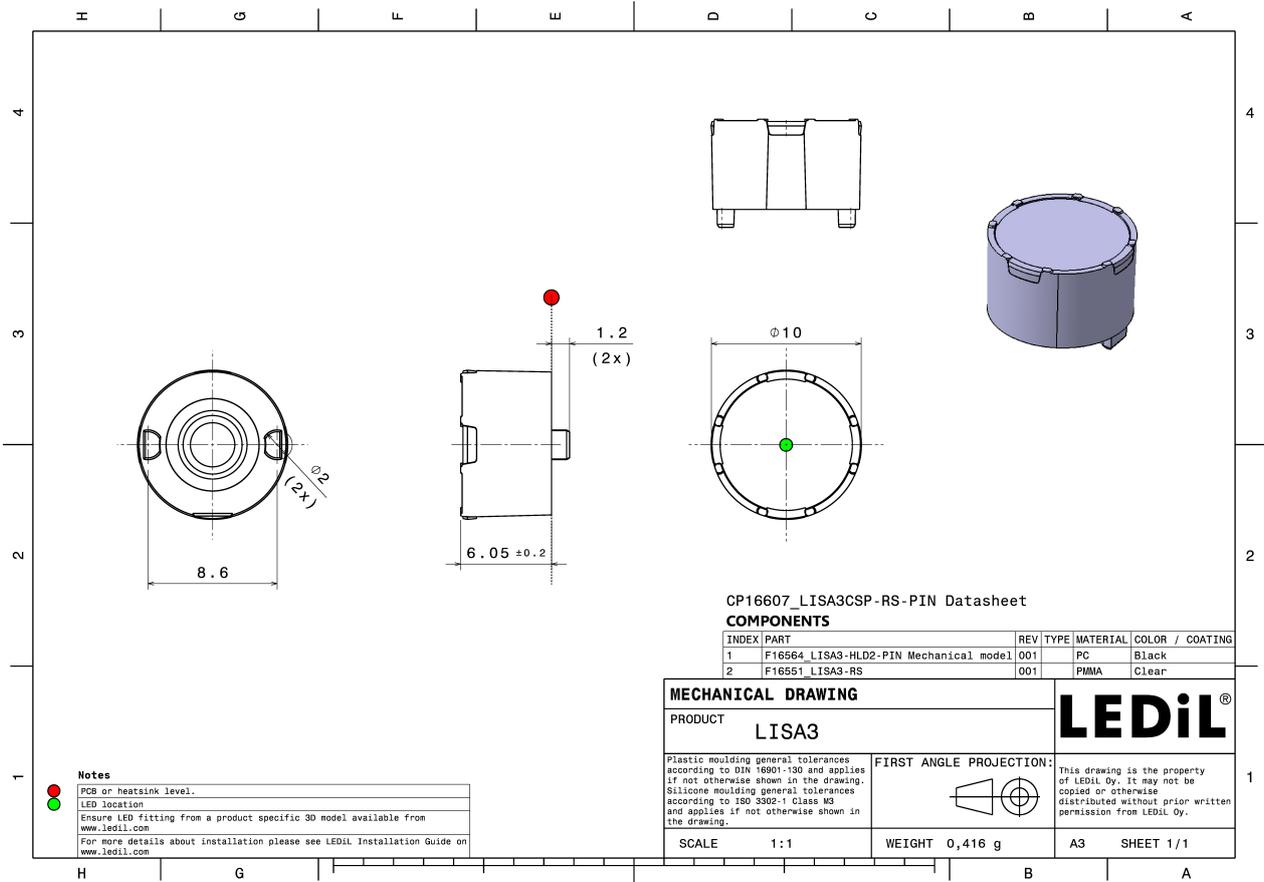
MATERIAL SPECIFICATIONS:

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					



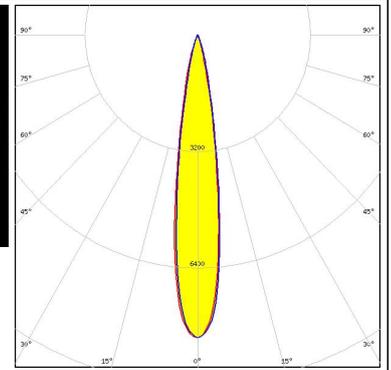


See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LH151B
FWHM / FWTM 16.0° / 31.0°
Efficiency 89 %
Peak intensity 8.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

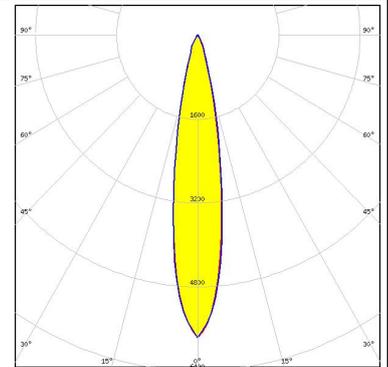
<p>LUMILEDS</p> <p>LED: LUXEON CSP HL1 FWHM / FWTM: 13.0° / 26.0 + 25.0° Efficiency: 95 % Peak intensity: 11.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NCSxE17A FWHM / FWTM: 15.0° / 30.0° Efficiency: 87 % Peak intensity: 8.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NFSWE11A FWHM / FWTM: 12.0° / 25.0° Efficiency: 84 % Peak intensity: 11.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: 20.0° / 40.0° Efficiency: 90 % Peak intensity: 5.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

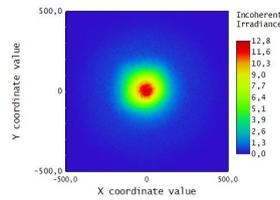
LED OSCONIQ C 2424
 FWHM / FWTM 18.0° / 38.0°
 Efficiency 90 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

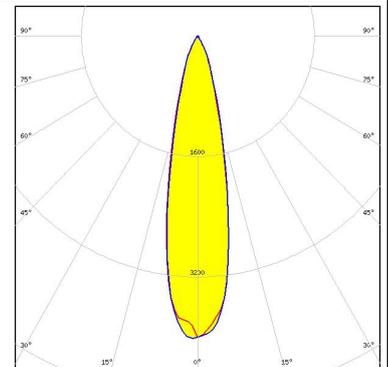
LED SFH 4170S
 FWHM / FWTM 16.0°
 Efficiency 76 %
 LEDs/each optic 1
 Light colour IR
 Required components:



Detector Image: Incoherent Irradiance
 Zemax OpticStudio 19.4 SP1
 File: FP16607_LISA3CSP-RS-PIN.dwg
 Date: 2020-03-01 10:11:11
 User: Administrator
 Total Power: 3.189E-05 Watts
 Configuration: 1 of 1

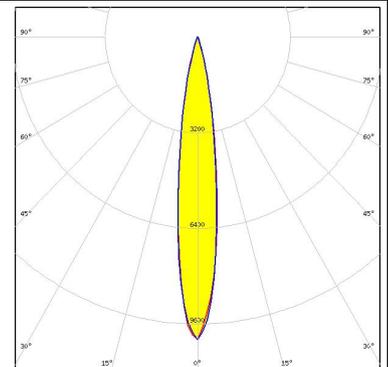
SAMSUNG

LED LH181B
 FWHM / FWTM 22.0° / 44.0°
 Efficiency 89 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

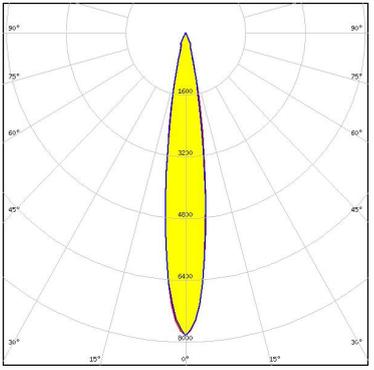
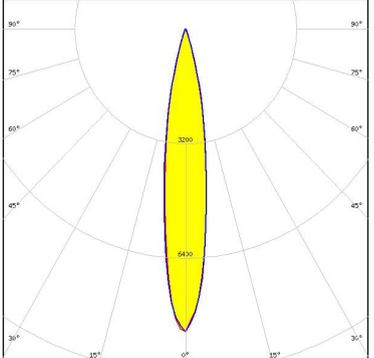


SAMSUNG

LED LM101B
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 89 %
 Peak intensity 8.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

<p> SEUL SEMICONDUCTOR</p> <p>LED Z8Y11</p> <p>FWHM / FWTM 16.0° / 30.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 7.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> SEUL SEMICONDUCTOR</p> <p>LED Z8Y15</p> <p>FWHM / FWTM 15.5° / 31.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 7.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

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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