

LISA3CSP-RS-PIN

~15° spot beam

SPECIFICATION:

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

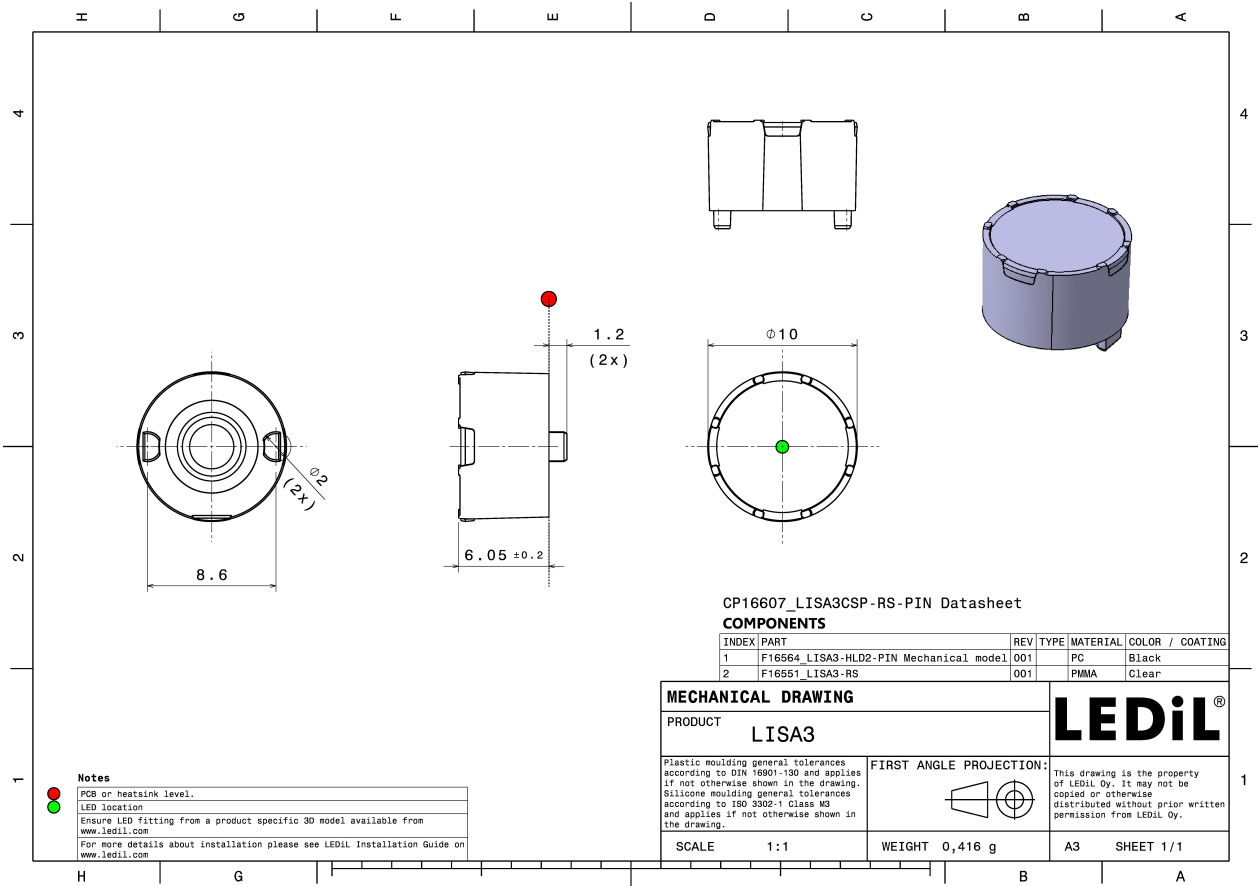
MATERIALS:

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

ORDERING INFORMATION:



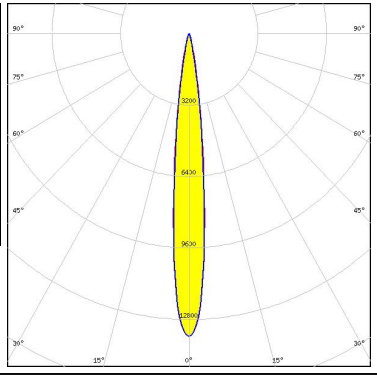


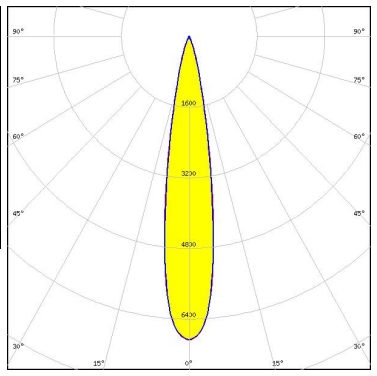


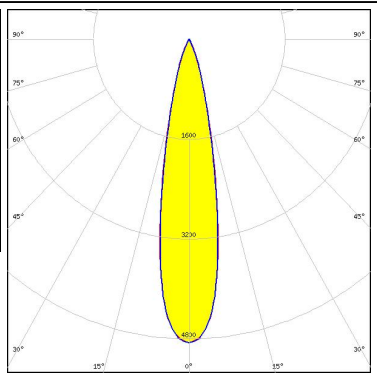


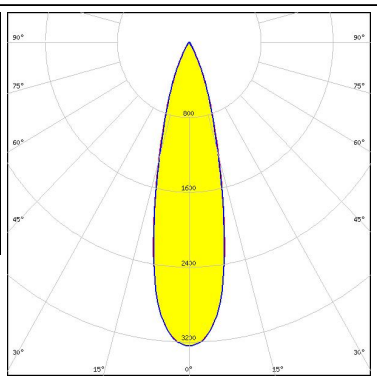
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FP16607_LISA3CSP-RS-PIN » Box size: 310 x 230 x 60 mm	Single lens	2000	300	100	1.2



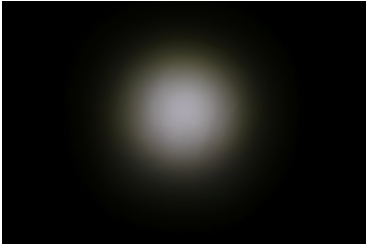
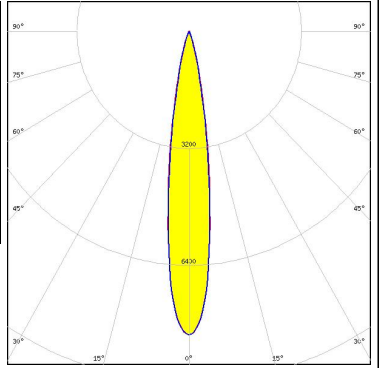

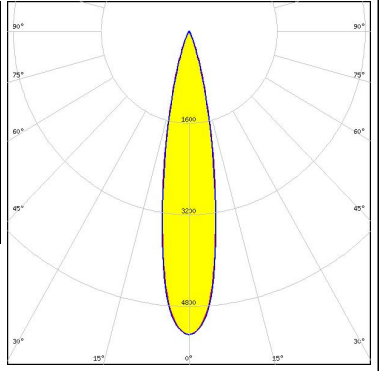
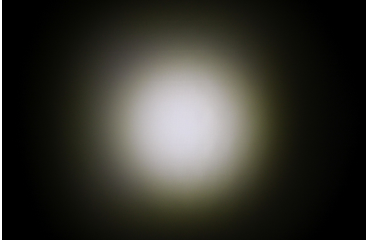
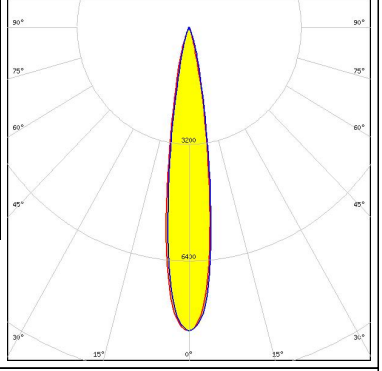

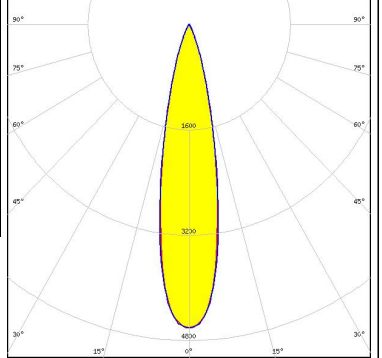


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

<p></p> <p>LED CSP 1111 (BXCP)</p> <p>FWHM / FWTM 12.0° / 24.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 13.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p></p> <p>LED CSP 1919 (BXCP)</p> <p>FWHM / FWTM 18.0° / 34.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 6.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p></p> <p>LED CSP 2323 (BXCP)</p> <p>FWHM / FWTM 22.0° / 42.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 4.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p></p> <p>LED CSP 2727 (BXCP)</p> <p>FWHM / FWTM 26.0° / 51.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

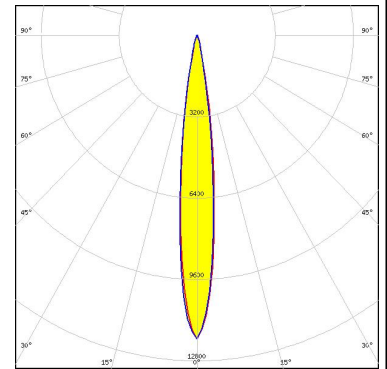
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NCSxE17A FWHM / FWTM 16.0° / 31.0° Efficiency 89 % Peak intensity 8.4 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSxE21A FWHM / FWTM 21.0° / 39.0° Efficiency 89 % Peak intensity 5.3 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>SAMSUNG</p> <p>LED LH151B FWHM / FWTM 16.0° / 31.0° Efficiency 89 % Peak intensity 8.3 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>SAMSUNG</p> <p>LED LH181B FWHM / FWTM 22.0° / 42.0° Efficiency 89 % Peak intensity 4.6 cd/m LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (SIMULATED):

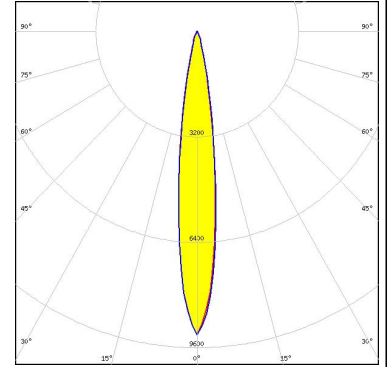
LUMILEDS

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:



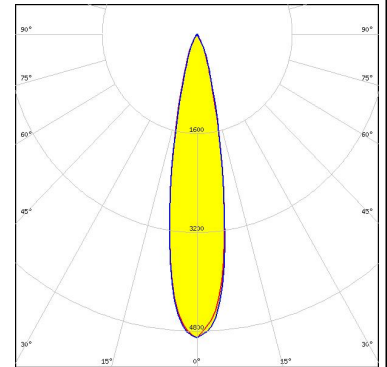
LUMILEDS

LED LUXEON HL1Z
 FWHM / FWTM 14.0° / 29.0°
 Efficiency 90 %
 Peak intensity 9.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



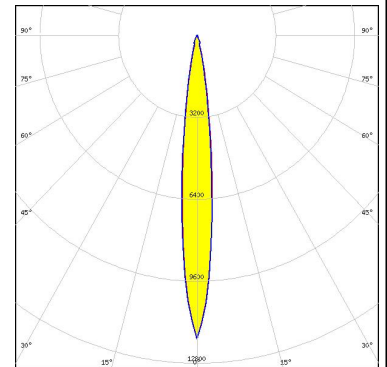
LUMILEDS

LED LUXEON HL2Z
 FWHM / FWTM 20.0° / 42.0°
 Efficiency 91 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

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:

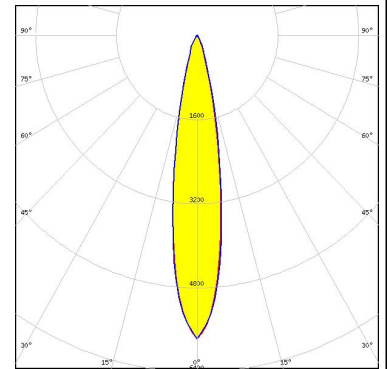


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

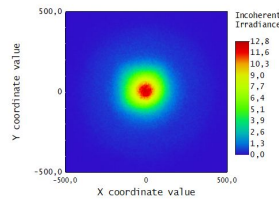
LED OSCONIQ C 2424
 FWHM / FWTM 18.0° / 38.0°
 Efficiency 90 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

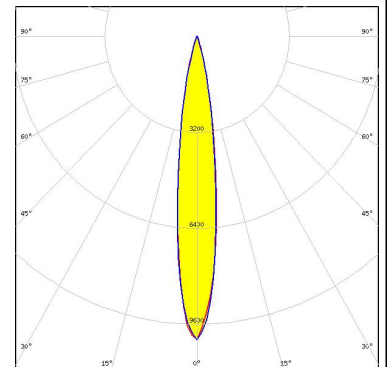
LED SFH 4170S
 FWHM / FWTM 16.0°
 Efficiency 76 %
 LEDs/each optic 1
 Light colour IR
 Required components:



Detector Image: Incoherent Irradiance
 Zemax OpticStudio 19.4 SP1
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 User: Administrator
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SAMSUNG

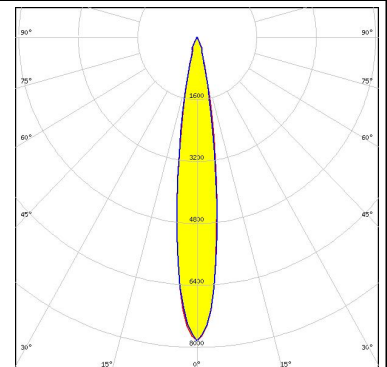
LED LM101B
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 89 %
 Peak intensity 8.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOL

SEOUL SEMICONDUCTOR

LED Z8Y11
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 81 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

