

LISA3CSP-W-PIN

~35° wide beam

SPECIFICATION:

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

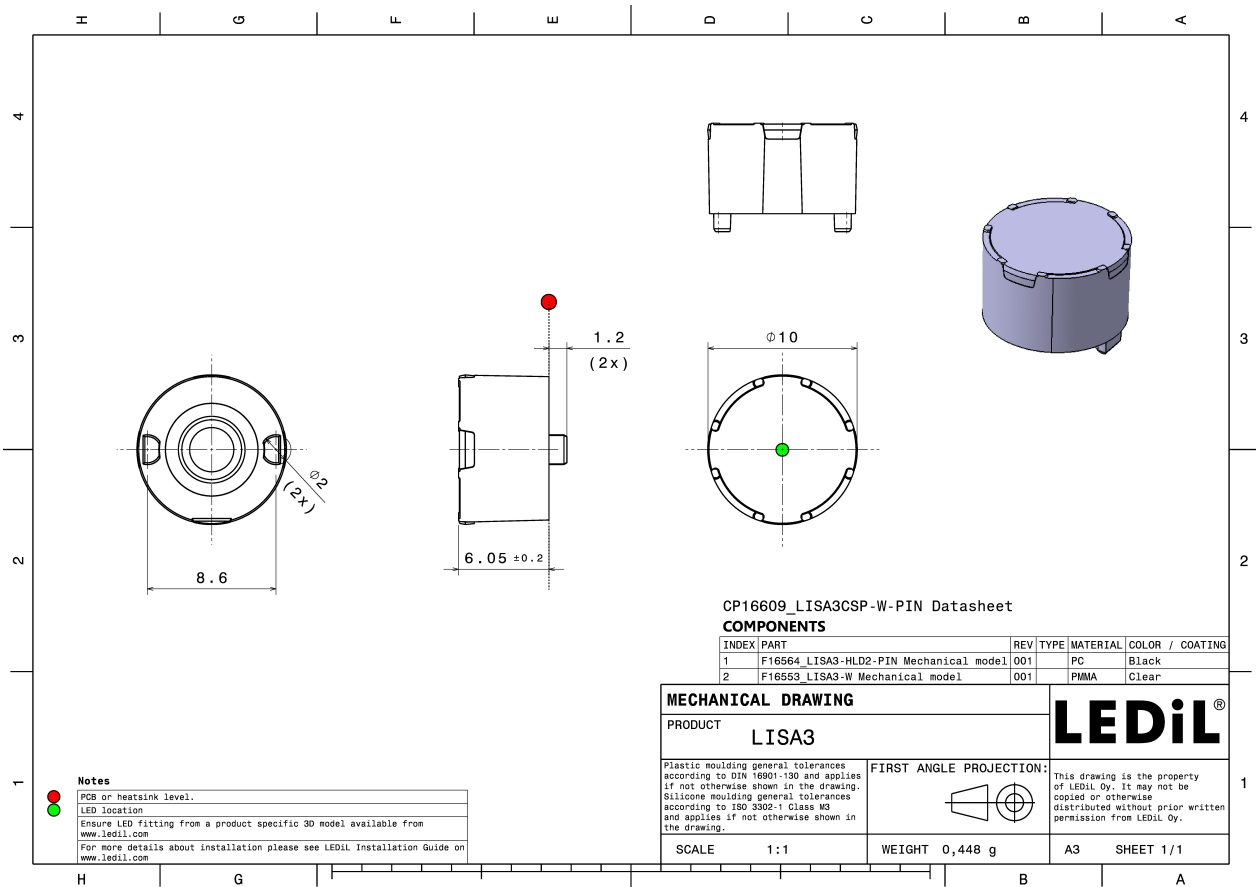
MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP16609_LISA3CSP-W-PIN	Single lens	2000	300	100	1.3
» Box size: 310 x 230 x 60 mm					



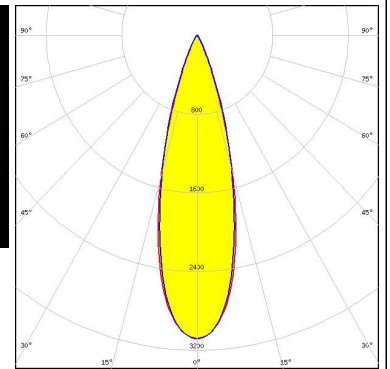
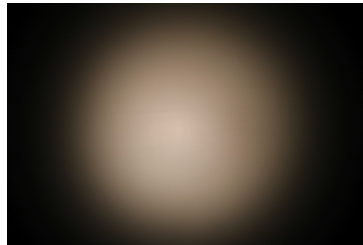


See also our general installation guide: www.ledil.com/installation_guide

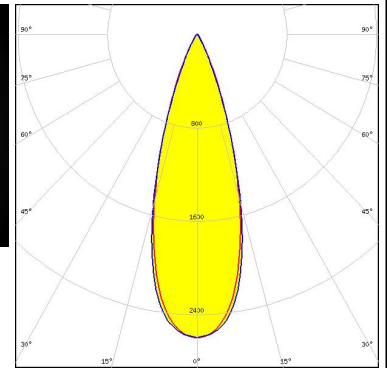
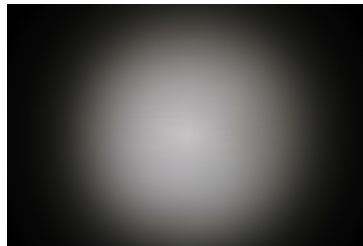
OPTICAL RESULTS (MEASURED):



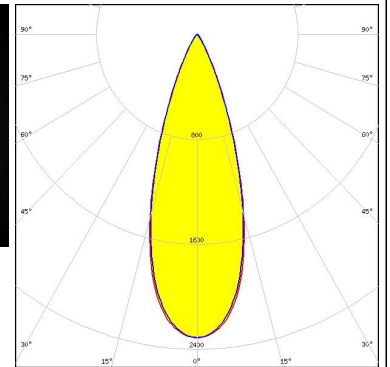
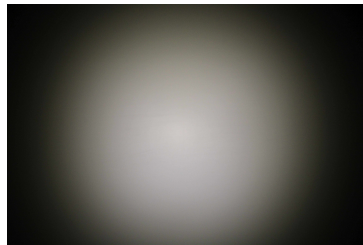
LED CSP 1111 (BXCP)
 FWHM / FWTM 29.0° / 49.0°
 Efficiency 86 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



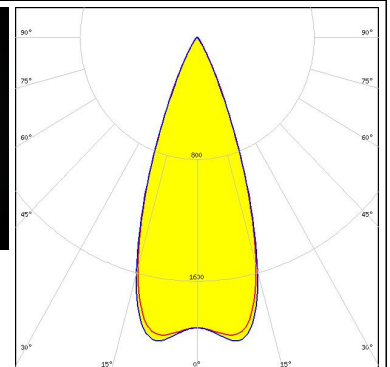
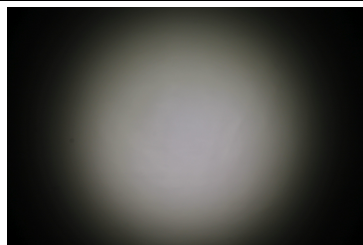
LED CSP 1919 (BXCP)
 FWHM / FWTM 33.0° / 53.0°
 Efficiency 88 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED CSP 2323 (BXCP)
 FWHM / FWTM 35.0° / 56.0°
 Efficiency 88 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



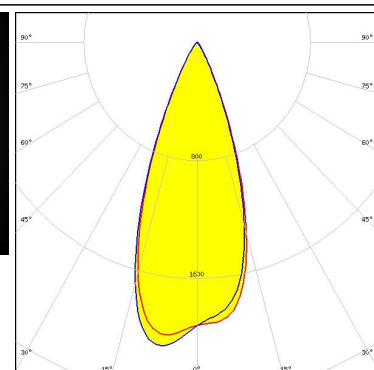
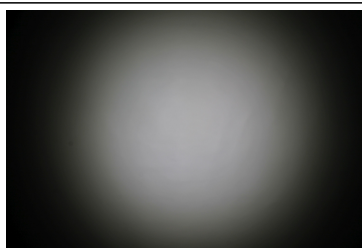
LED NCSxE17A
 FWHM / FWTM 38.0° / 57.0°
 Efficiency 90 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

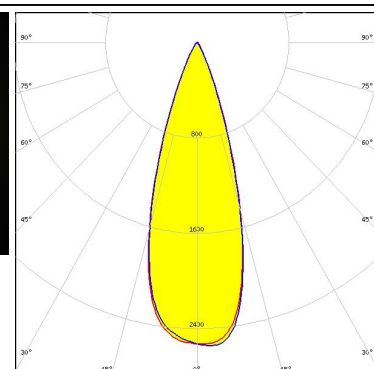
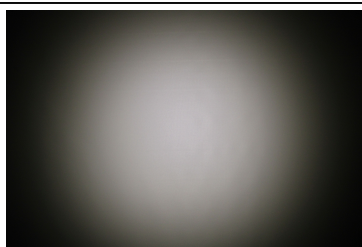


LED NVSxE21A
 FWHM / FWTM 39.0° / 59.0°
 Efficiency 90 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



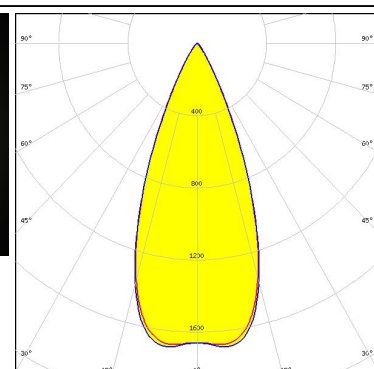
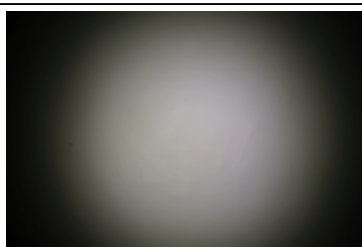
SAMSUNG

LED LH151B
 FWHM / FWTM 33.0° / 53.0°
 Efficiency 87 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

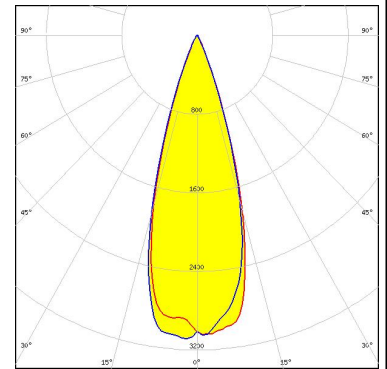
LED LH181B
 FWHM / FWTM 42.0° / 63.0°
 Efficiency 89 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

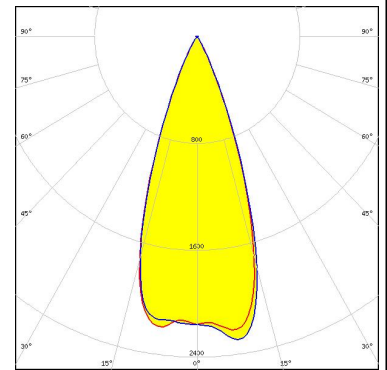
LUMILEDS

LED LUXEON CSP HL1
 FWHM / FWTM 32.0° / 48.0°
 Efficiency 96 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



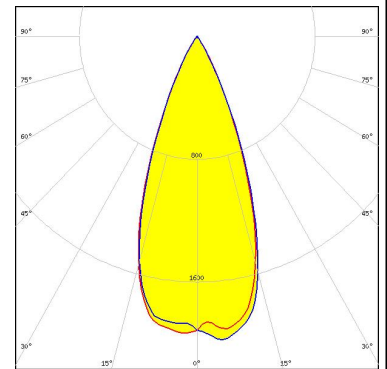
LUMILEDS

LED LUXEON HL1Z
 FWHM / FWTM 38.0° / 56.0° + 55.0°
 Efficiency 91 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



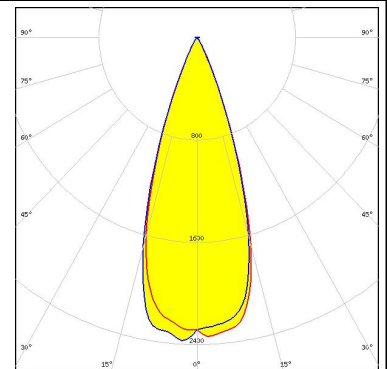
LUMILEDS

LED LUXEON HL2Z
 FWHM / FWTM 42.0 + 41.0° / 61.0 + 60.0°
 Efficiency 91 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

LED NFSWE11A
 FWHM / FWTM 36.0° / 52.0°
 Efficiency 85 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

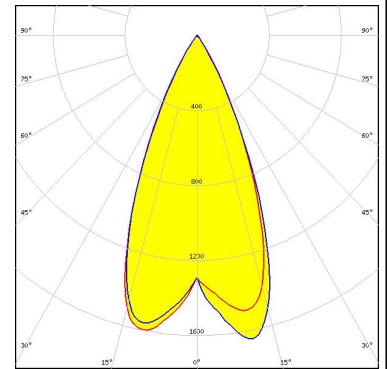


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSCONIQ C 2424
FWHM / FWTM 46.0° / 66.0°
Efficiency 92 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

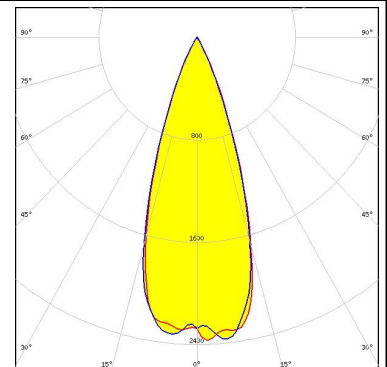


SAMSUNG

LED LM101B
FWHM / FWTM 41.0°
Efficiency 90 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

SAMSUNG

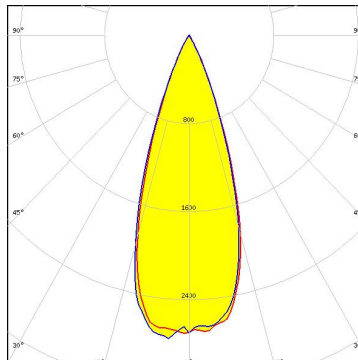
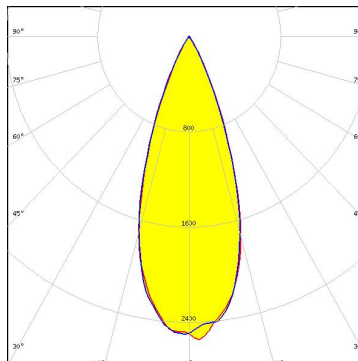
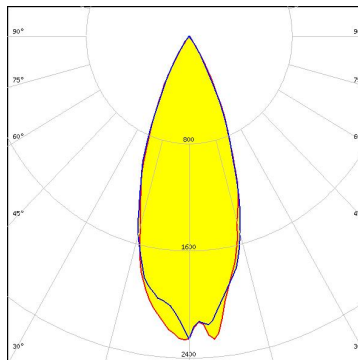
LED LM231 A/B
FWHM / FWTM 40.0° / 64.0°
Efficiency 91 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y11
FWHM / FWTM 35.0° / 54.0°
Efficiency 87 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (SIMULATED):

 SEOUL SEMICONDUCTOR LED Z8Y15 FWHM / FWTM 35.0° / 53.0° Efficiency 86 % Peak intensity 2.6 cd/lm LEDs/each optic 1 Light colour White Required components:	
 SEOUL SEMICONDUCTOR LED Z8Y19 FWHM / FWTM 37.0° / 56.0° Efficiency 87 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components:	
 SEOUL SEMICONDUCTOR LED Z8Y22 FWHM / FWTM 36.0° / 60.0° Efficiency 86 % Peak intensity 2.1 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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