LISA3CSP-M-PIN

~25° medium beam



SPECIFICATION:

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

MATERIALS:

Component	Type	Material	Colour	Finish	Length
LISA3-M	Single lens	PMMA	clear		9.9
LISA3-HLD2-PIN	Holder	PC	black		9.9

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FP16608_LISA3CSP-M-PIN » Box size: 310 x 230 x 60 mm	2000	300	100	1.3

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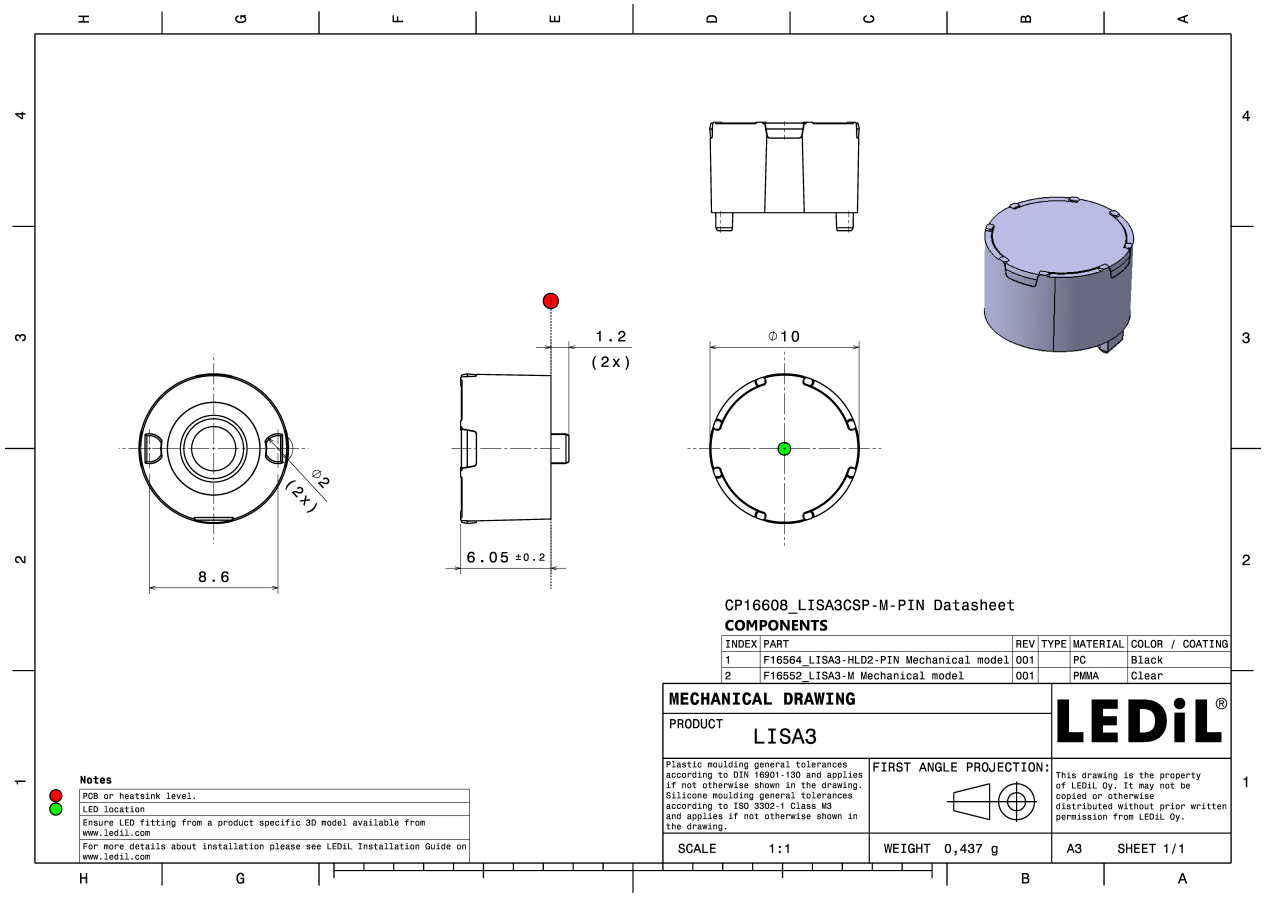

CP16608_LISA3CSP-M-PIN Datasheet

COMPONENTS

INDEX	PART	REV	TYPE	MATERIAL	COLOR / COATING
1	F16564_LISA3-HLD2-PIN Mechanical model	001		PC	Black
2	F16552_LISA3-M Mechanical model	001		PMMA	Clear

MECHANICAL DRAWING

PRODUCT LISA3

LEDiL®

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

This drawing is the property of LEDiL Oy. It may not be copied or otherwise distributed without prior written permission from LEDiL Oy.

SCALE 1:1 | WEIGHT 0,437 g | A3 SHEET 1/1

Notes

PCB or heatsink level.
LED location
Ensure LED fitting from a product specific 3D model available from www.ledil.com
For more details about installation please see LEDiL Installation Guide on www.ledil.com

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

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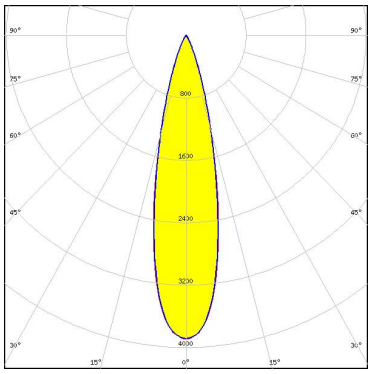
OPTICAL RESULTS (MEASURED):

bridgelux

LED	CSP 1111 (BXCP)
FWHM / FWTM	24.0° / 45.0°
Efficiency	86 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



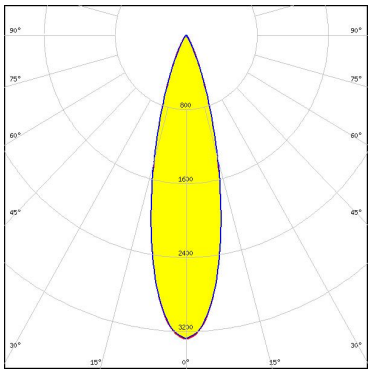


Light distribution files

bridgelux

LED	CSP 1919 (BXCP)
FWHM / FWTM	27.0° / 50.0°
Efficiency	88 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



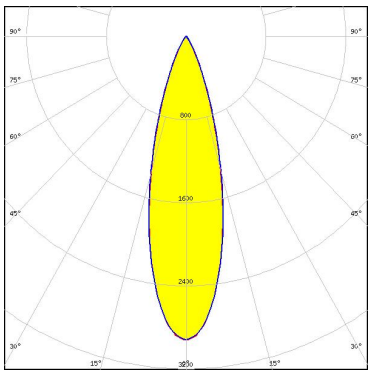


Light distribution files

bridgelux

LED	CSP 2323 (BXCP)
FWHM / FWTM	28.0° / 53.0°
Efficiency	88 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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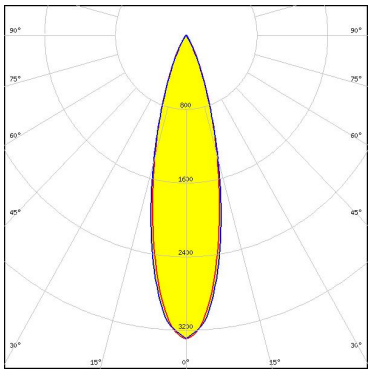
OPTICAL RESULTS (MEASURED):

NICHIA

LED	NCSxE17A
FWHM / FWTM	27.0° / 51.0°
Efficiency	89 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



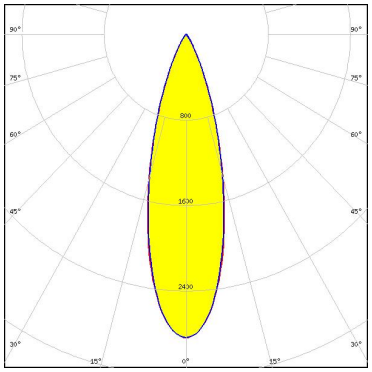


Light distribution files

NICHIA

LED	NVSxE21A
FWHM / FWTM	30.0° / 55.0°
Efficiency	90 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

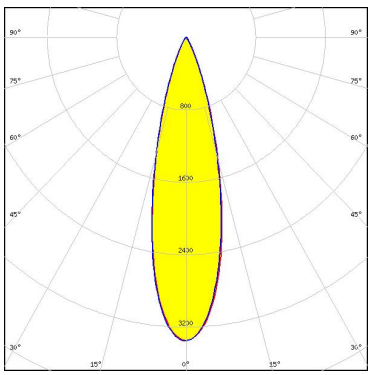




Light distribution files

SAMSUNG

LED	LH151B
FWHM / FWTM	27.0° / 49.0°
Efficiency	87 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



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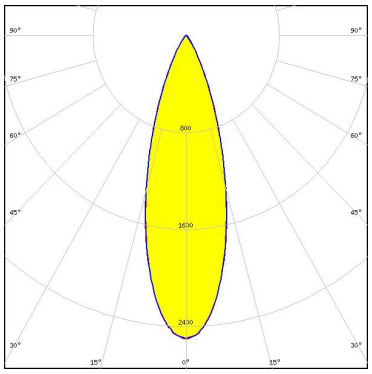
OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LH181B
FWHM / FWTM	31.0° / 58.0°
Efficiency	89 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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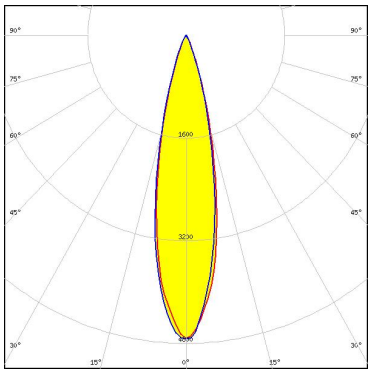
OPTICAL RESULTS (SIMULATED):

LUMILEDS

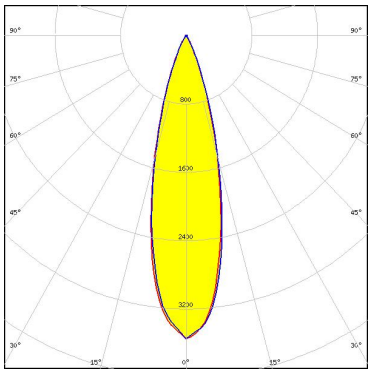
LED	LUXEON CSP HL1
FWHM / FWTM	23.0° / 43.0 + 42.0°
Efficiency	95 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

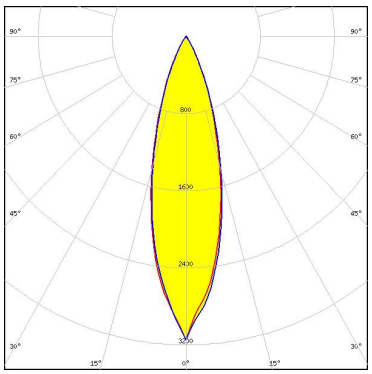
LED	LUXEON HL1Z
FWHM / FWTM	26.0 + 27.0° / 48.0°
Efficiency	89 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON HL2Z
FWHM / FWTM	28.0 + 27.0° / 54.0°
Efficiency	90 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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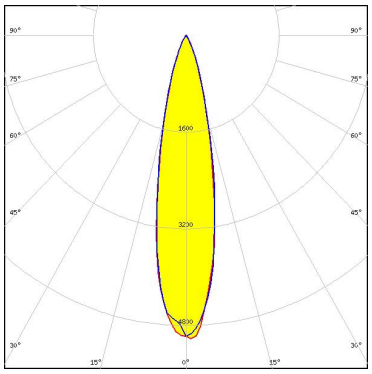
OPTICAL RESULTS (SIMULATED):

NICHIA

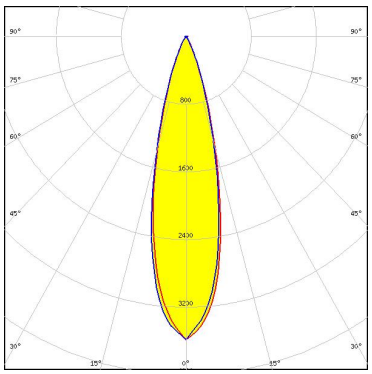
LED	NCSxE17A
FWHM / FWTM	24.0° / 45.0°
Efficiency	87 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

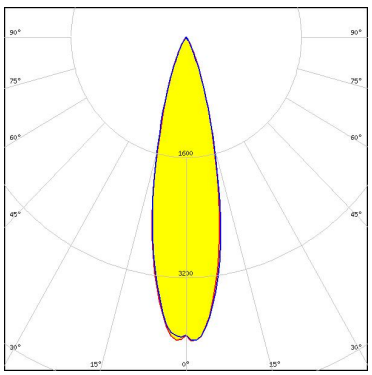
LED	NFSWE11A
FWHM / FWTM	26.0° / 47.0°
Efficiency	82 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NVSxE21A
FWHM / FWTM	25.0° / 50.0°
Efficiency	88 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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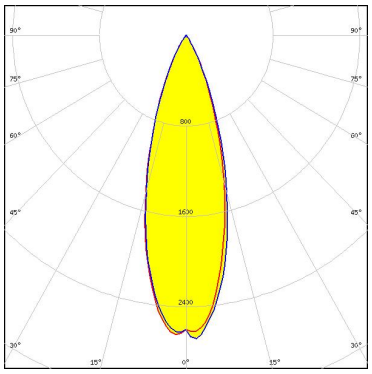
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

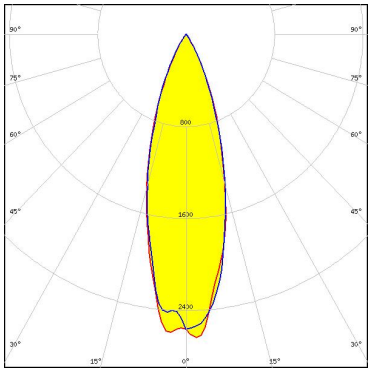
LED	OSCONIQ C 2424
FWHM / FWTM	32.0° / 57.0°
Efficiency	91 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

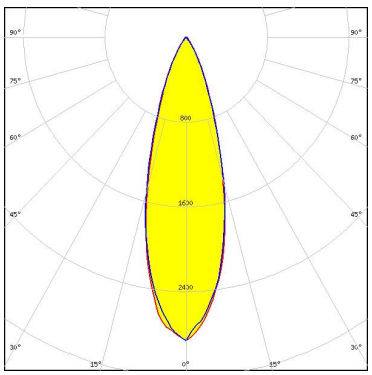
LED	LH181B
FWHM / FWTM	30.0° / 56.0°
Efficiency	89 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH231B
FWHM / FWTM	30.0° / 60.0°
Efficiency	90 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



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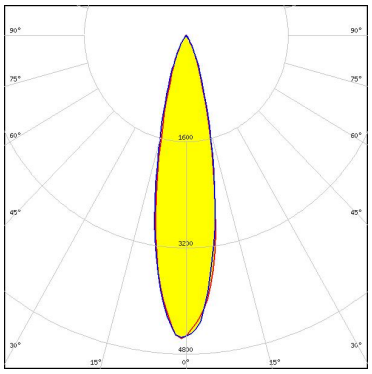
OPTICAL RESULTS (SIMULATED):

SAMSUNG

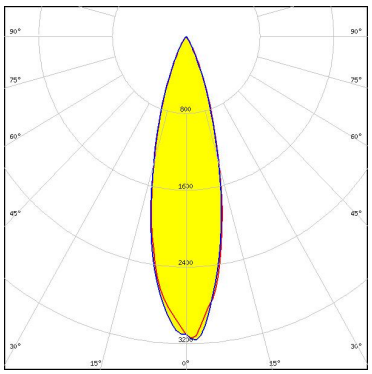
LED	LM101B
FWHM / FWTM	27.0° / 50.0°
Efficiency	89 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

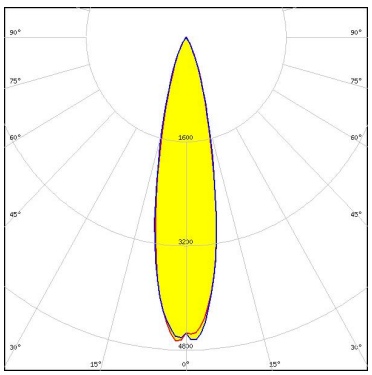
LED	Z8Y11
FWHM / FWTM	27.0° / 51.0°
Efficiency	83 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y15
FWHM / FWTM	25.0° / 50.0°
Efficiency	84 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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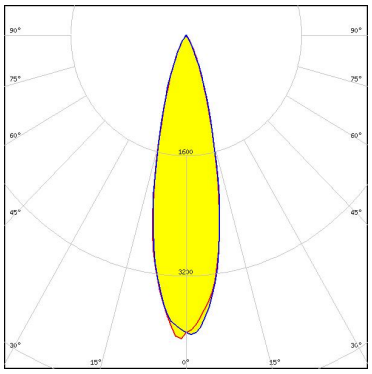
OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

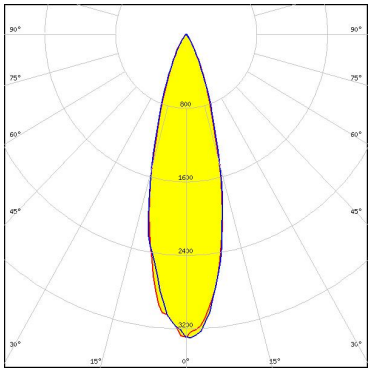
LED	Z8Y19
FWHM / FWTM	25.0° / 48.0°
Efficiency	85 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM / FWTM	30.0° / 57.0°
Efficiency	85 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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