LISA3CSP-RS-PIN

~15° spot beam



SPECIFICATION:

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

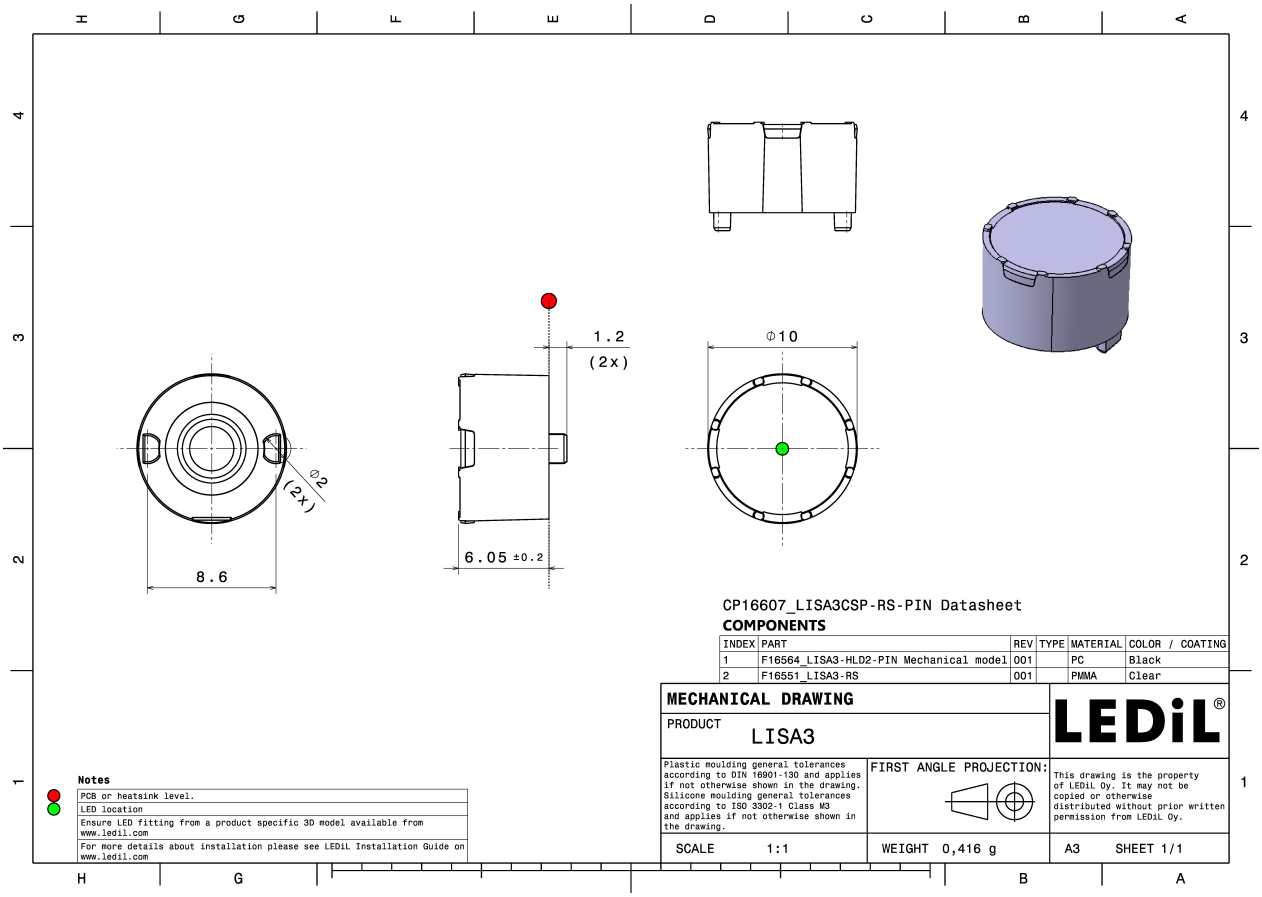
MATERIALS:

Component	Type	Material	Colour	Finish	Length
LISA3-RS	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)
FP16607_LISA3CSP-RS-PIN » Box size: 310 x 230 x 60 mm	2000	300	100	1.2

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CP16607_LISA3CSP-RS-PIN Datasheet

COMPONENTS

INDEX	PART	REV	TYPE	MATERIAL	COLOR / COATING
1	F16564_LISA3-HLD2-PIN Mechanical model	001		PC	Black
2	F16551_LISA3-RS	001		PMMA	Clear

MECHANICAL DRAWING

PRODUCT LISA3

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 0,416 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

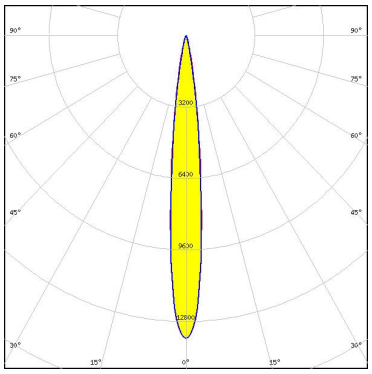
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OPTICAL RESULTS (MEASURED):

bridgelux

LED	CSP 1111 (BXCP)
FWHM / FWTM	12.0° / 24.0°
Efficiency	88 %
Peak intensity	13.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



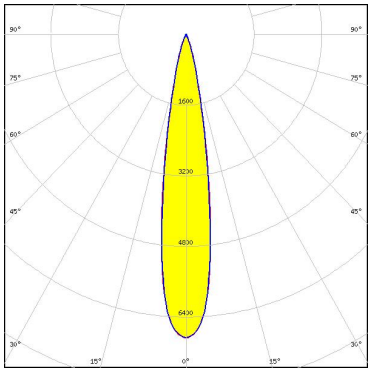


Light distribution files

bridgelux

LED	CSP 1919 (BXCP)
FWHM / FWTM	18.0° / 34.0°
Efficiency	90 %
Peak intensity	6.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



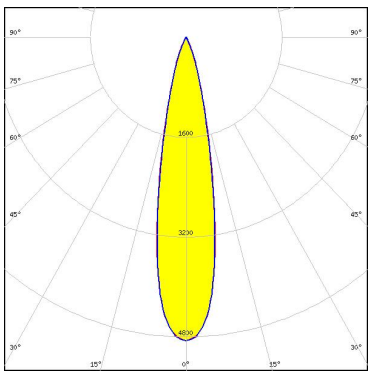


Light distribution files

bridgelux

LED	CSP 2323 (BXCP)
FWHM / FWTM	22.0° / 42.0°
Efficiency	90 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

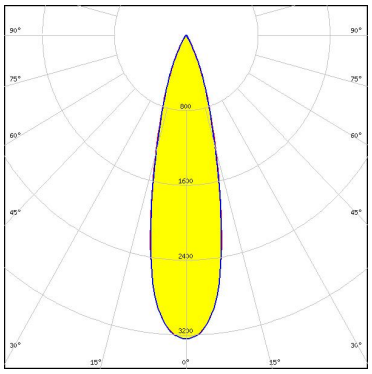
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OPTICAL RESULTS (MEASURED):

bridgelux

LED	CSP 2727 (BXCP)
FWHM / FWTM	26.0° / 51.0°
Efficiency	90 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

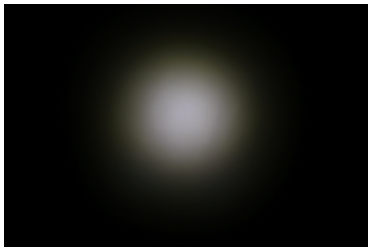


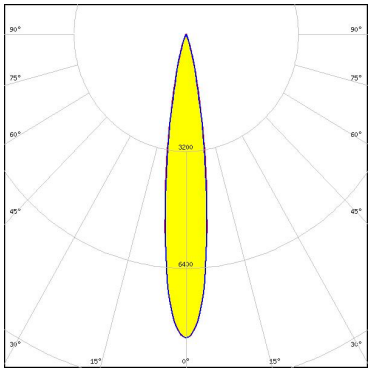


Light distribution files

NICHIA

LED	NCSxE17A
FWHM / FWTM	16.0° / 31.0°
Efficiency	89 %
Peak intensity	8.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



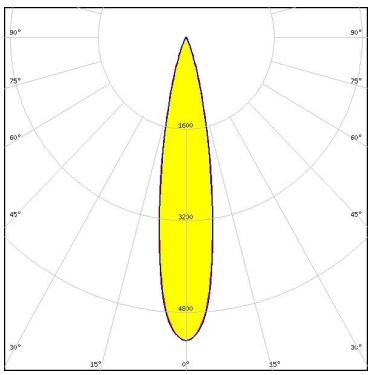


Light distribution files

NICHIA

LED	NVSxE21A
FWHM / FWTM	21.0° / 39.0°
Efficiency	89 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

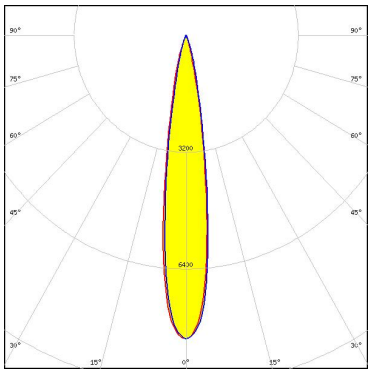
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OPTICAL RESULTS (MEASURED):

SAMSUNG

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

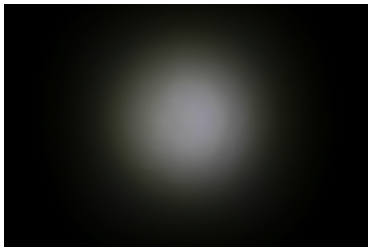


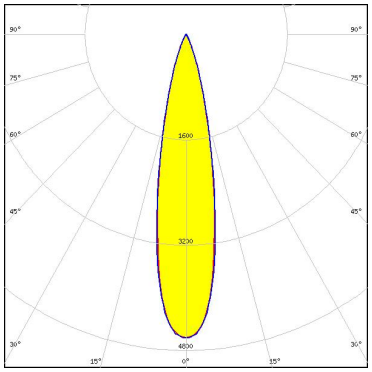


Light distribution files

SAMSUNG

LED	LH181B
FWHM / FWTM	22.0° / 42.0°
Efficiency	89 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





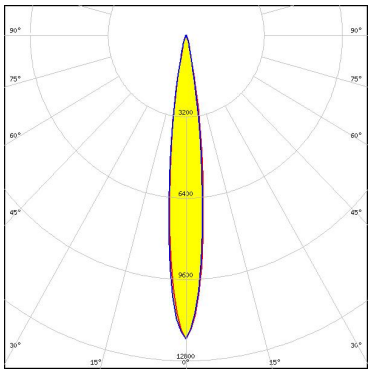
Light distribution files

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OPTICAL RESULTS (SIMULATED):

LUMILEDS

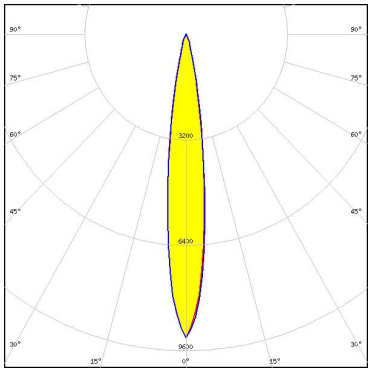
LED	LUXEON CSP HL1
FWHM / FWTM	13.0° / 26.0 + 25.0°
Efficiency	95 %
Peak intensity	11.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

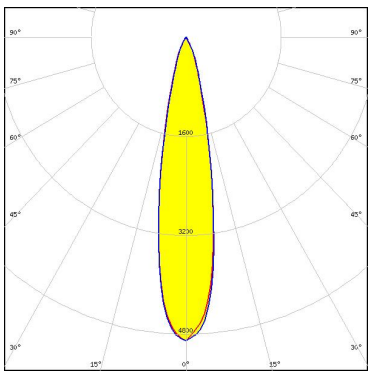
LED	LUXEON HL1Z
FWHM / FWTM	14.0° / 29.0°
Efficiency	90 %
Peak intensity	9.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

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



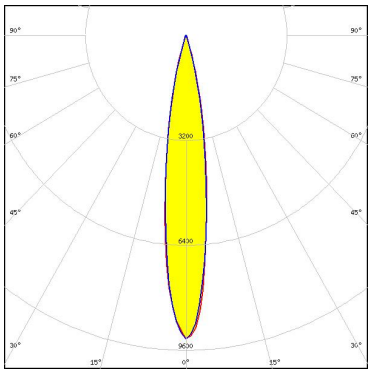
Light distribution files

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OPTICAL RESULTS (SIMULATED):

NICHIA

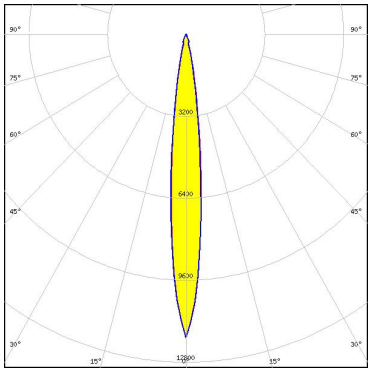
LED	NCSxE17A
FWHM / FWTM	15.0° / 30.0°
Efficiency	87 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

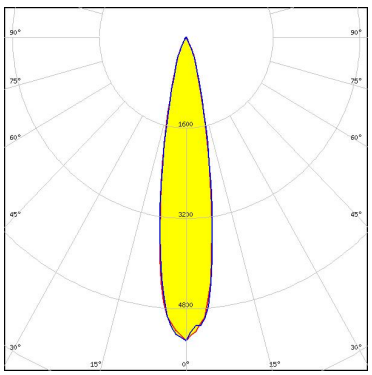
LED	NFSWE11A
FWHM / FWTM	12.0° / 25.0°
Efficiency	84 %
Peak intensity	11.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NVSxE21A
FWHM / FWTM	20.0° / 40.0°
Efficiency	90 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



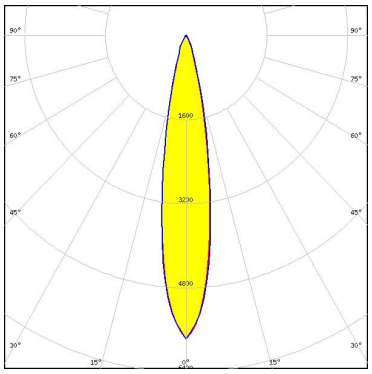
Light distribution files

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OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

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



Light distribution files

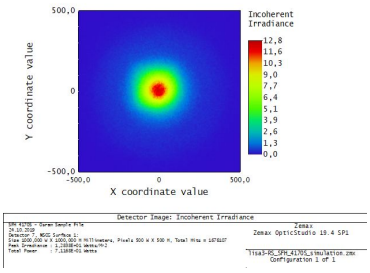
OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	16.0° / 36.0°
Efficiency	90 %
Peak intensity	7.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OSRAM
Opto Semiconductors

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



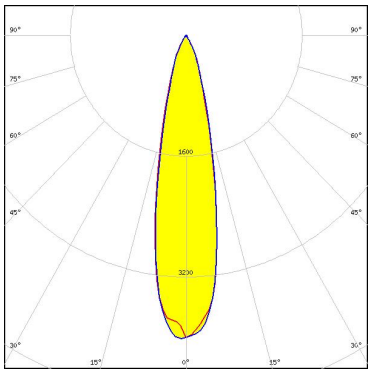
Light distribution files

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OPTICAL RESULTS (SIMULATED):

SAMSUNG

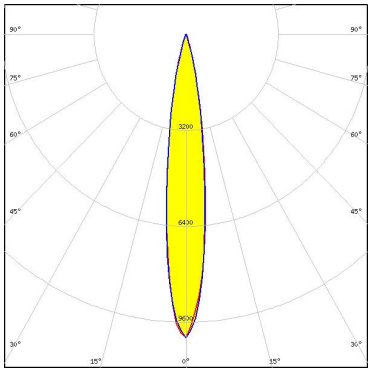
LED	LH181B
FWHM / FWTM	22.0° / 44.0°
Efficiency	89 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

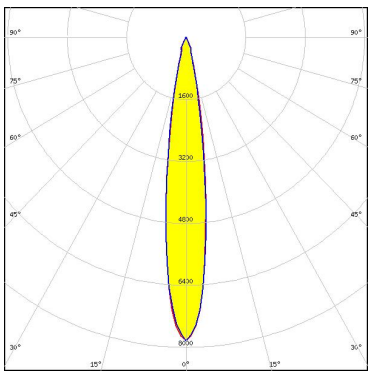
LED	LM101B
FWHM / FWTM	14.0° / 30.0°
Efficiency	89 %
Peak intensity	8.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

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



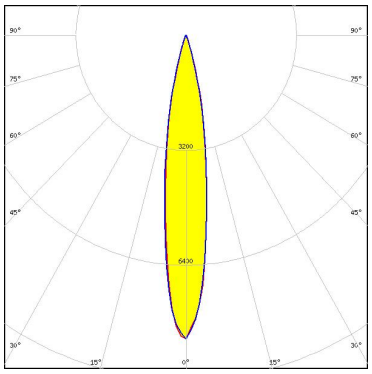
Light distribution files

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OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z8Y15
FWHM / FWTM	15.5° / 31.0°
Efficiency	86 %
Peak intensity	7.2 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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