LISA3CSP-WWW-PIN

~60° wide beam



SPECIFICATION:

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

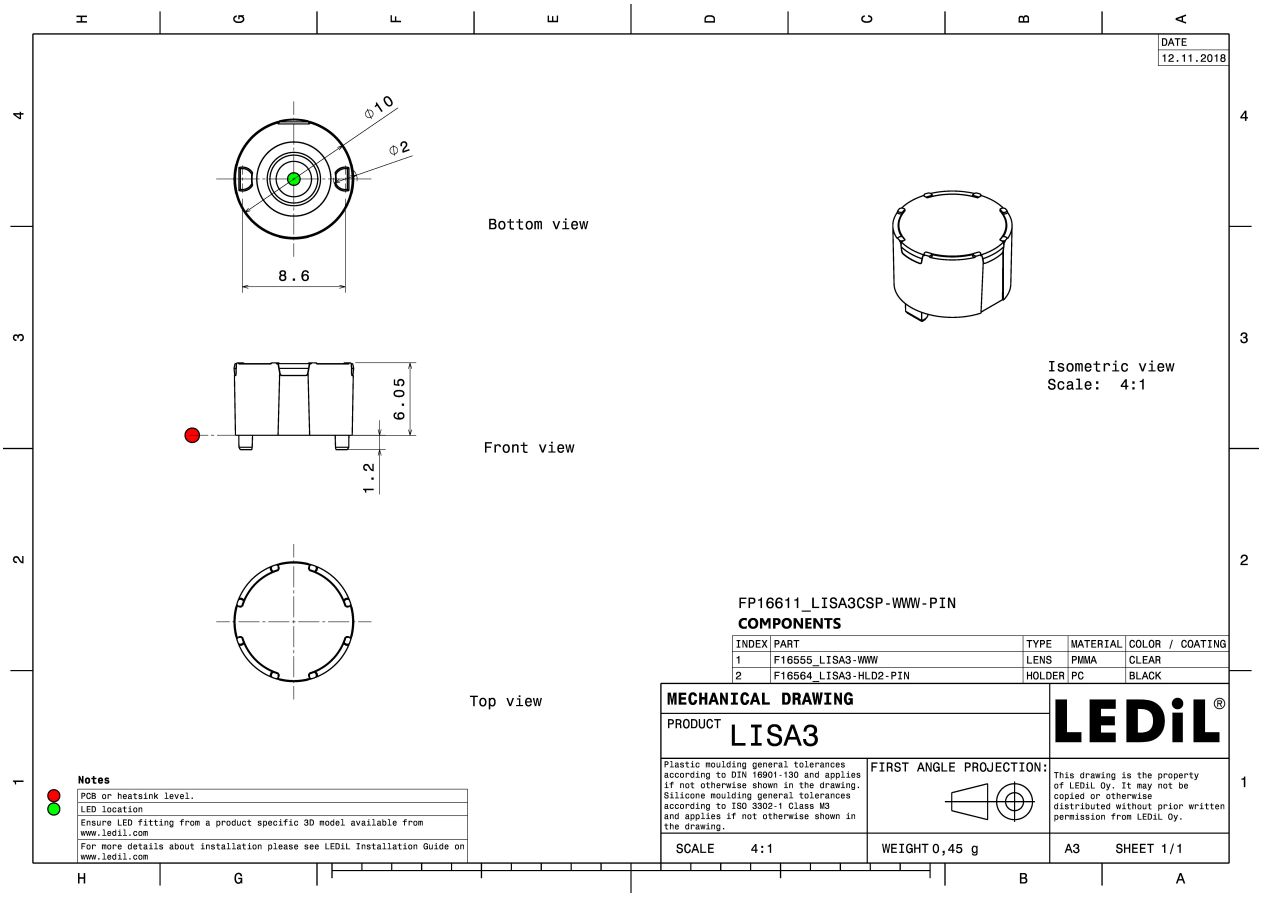
MATERIALS:

Component	Type	Material	Colour	Finish	Length
LISA3-WWW	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)
FP16611_LISA3CSP-WWW-PIN » Box size: 310 x 230 x 60 mm	2000	300	100	1.4

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

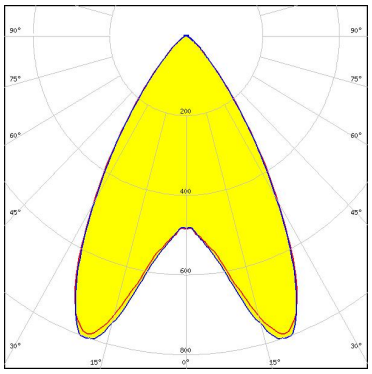
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OPTICAL RESULTS (MEASURED):

bridgelux

LED	CSP 1111 (BXCP)
FWHM / FWTM	63.0° / 89.0°
Efficiency	85 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



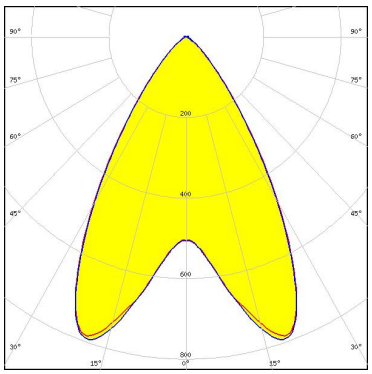


Light distribution files

bridgelux

LED	CSP 1919 (BXCP)
FWHM / FWTM	64.0° / 92.0°
Efficiency	87 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



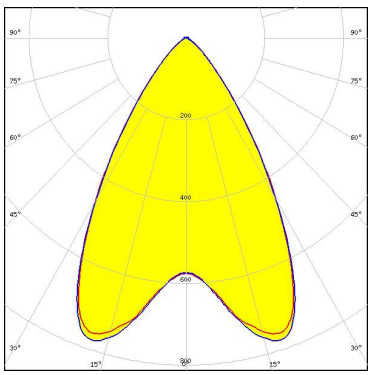


Light distribution files

bridgelux

LED	CSP 2323 (BXCP)
FWHM / FWTM	62.0° / 92.0°
Efficiency	87 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





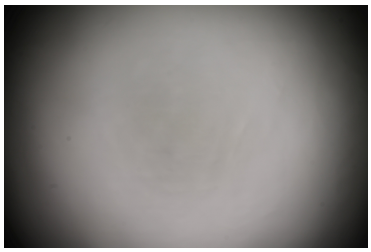
Light distribution files

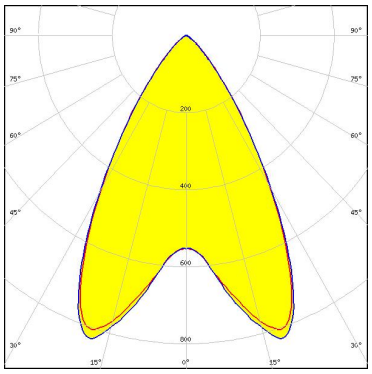
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OPTICAL RESULTS (MEASURED):

NICHIA

LED	NCSxE17A
FWHM / FWTM	61.0° / 89.0°
Efficiency	86 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



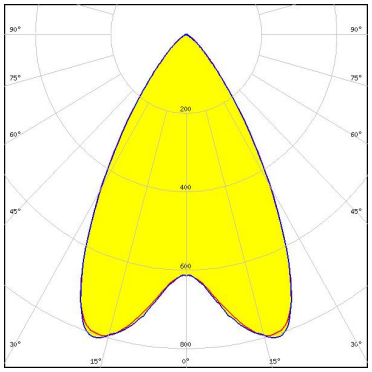


Light distribution files

NICHIA

LED	NVSxE21A
FWHM / FWTM	60.0° / 90.0°
Efficiency	86 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



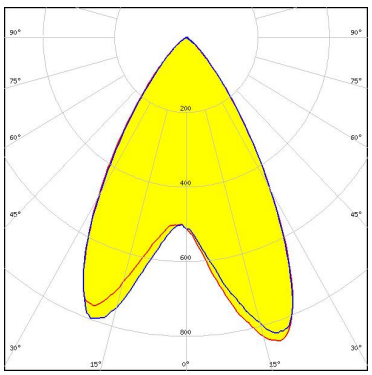


Light distribution files

SAMSUNG

LED	LH151B
FWHM / FWTM	63.0° / 91.0°
Efficiency	86 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

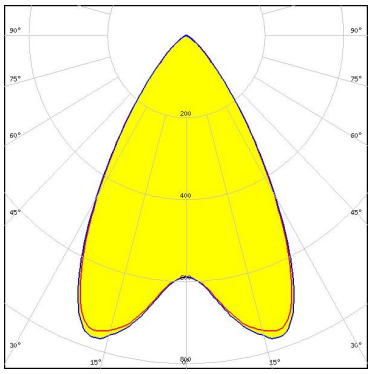
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OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LH181B
FWHM / FWTM	62.0° / 92.0°
Efficiency	86 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





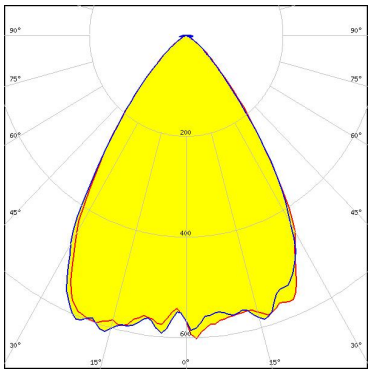
Light distribution files

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OPTICAL RESULTS (SIMULATED):

CREE LEDs

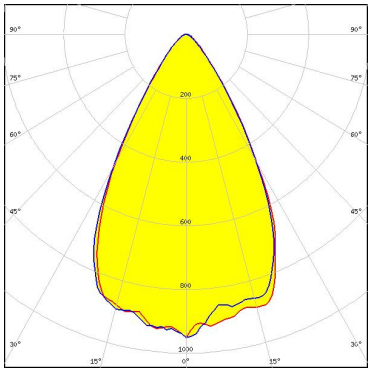
LED	XD16
FWHM / FWTM	66.0 + °
Efficiency	80 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

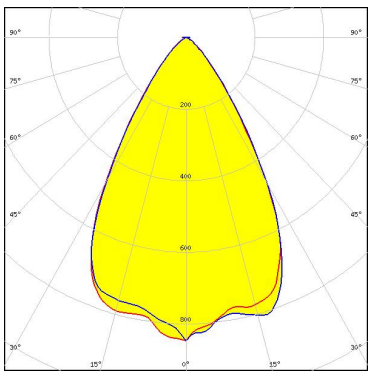
LED	LUXEON CSP HL1
FWHM / FWTM	60.0 + 59.0° / 88.0°
Efficiency	95 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON HL1Z
FWHM / FWTM	62.0° / 91.0°
Efficiency	88 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



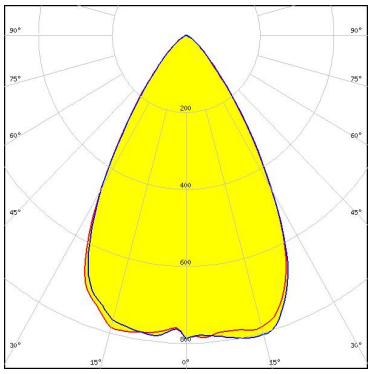
Light distribution files

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OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON HL2Z
FWHM / FWTM	64.0 + 63.0° / 93.0 + 92.0°
Efficiency	88 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

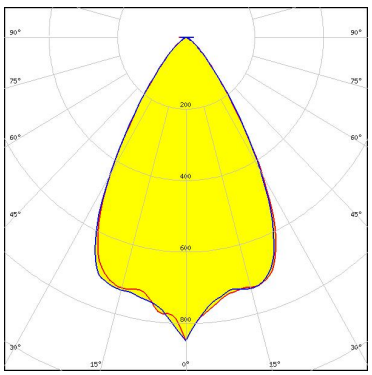
NICHIA

LED	NCSxE17A
FWHM / FWTM	62.0 + °
Efficiency	87 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

NICHIA

LED	NFSWE11A
FWHM / FWTM	61.0° / 90.0°
Efficiency	82 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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OPTICAL RESULTS (SIMULATED):

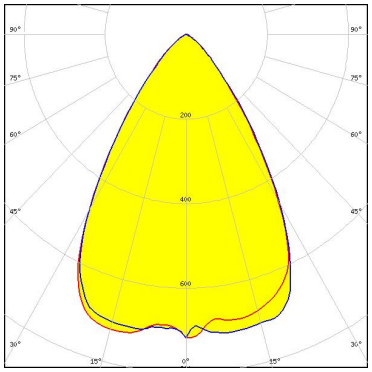
NICHIA

LED	NVSxE21A
FWHM / FWTM	62.0 + °
Efficiency	87 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ C 2424
FWHM / FWTM	66.0° / 98.0°
Efficiency	86 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH181B
FWHM / FWTM	64.0 + °
Efficiency	88 %
Peak intensity	0.8 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	63.0 + °
Efficiency	84 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y19
FWHM / FWTM	63.0 + °
Efficiency	84 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM / FWTM	62.0 + °
Efficiency	84 %
Peak intensity	0.8 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.

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LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Poznan, Poland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy

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