

LISA3CSP-RS-PIN

~15° spot beam

TECHNICAL SPECIFICATIONS:

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

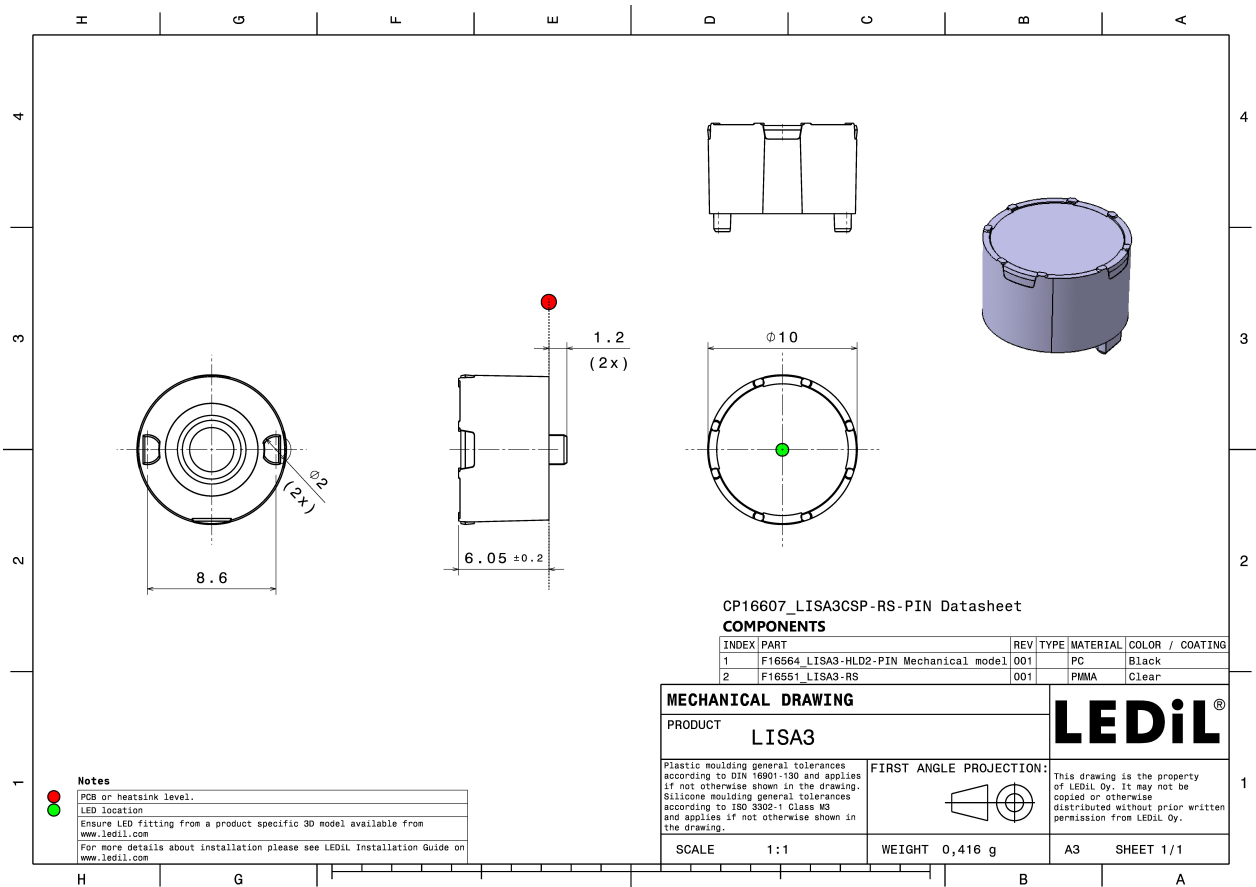
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

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



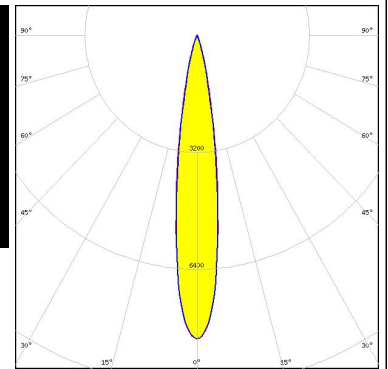
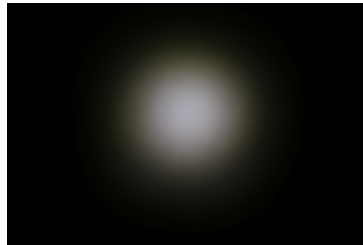


See also our general installation guide: www.ledil.com/installation_guide

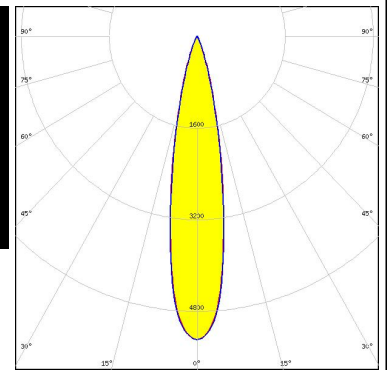
PHOTOMETRIC DATA (MEASURED):



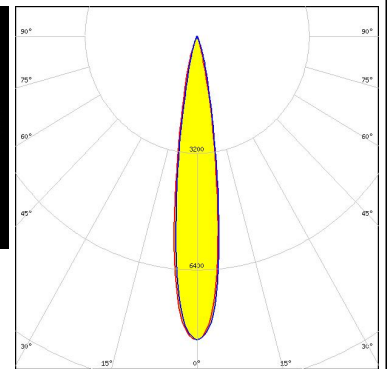
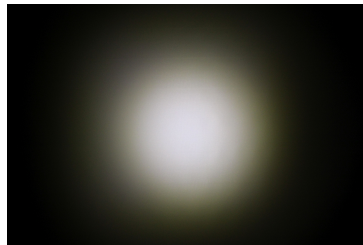
LED NCSxE17A
FWHM / FWTM 16.0° / 31.0°
Efficiency 89 %
Peak intensity 8.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



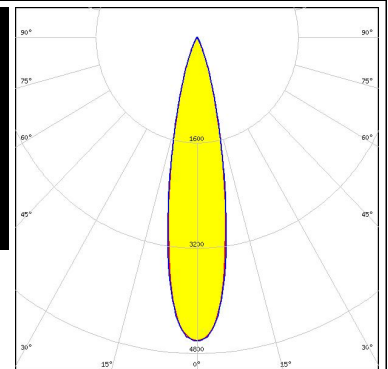
LED NVSxE21A
FWHM / FWTM 21.0° / 39.0°
Efficiency 89 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



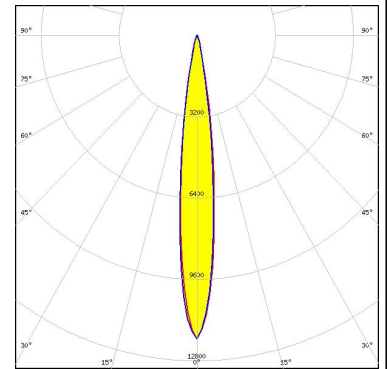
LED LH181B
FWHM / FWTM 22.0° / 42.0°
Efficiency 89 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



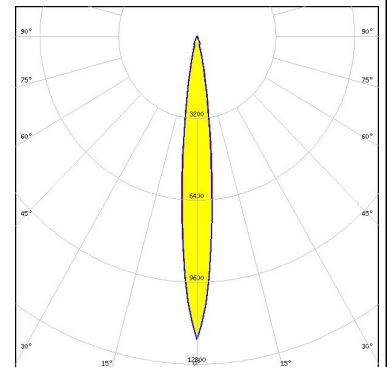
PHOTOMETRIC DATA (SIMULATED):



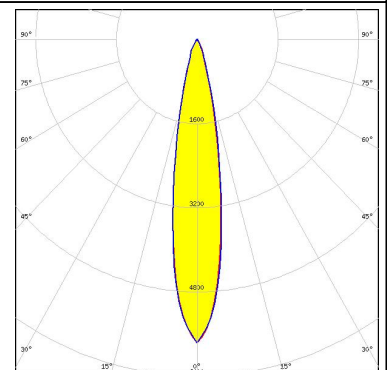
LED	LUXEON CSP HL1
FWHM / FWTM	13.0° / 26.0 + 25.0°
Efficiency	95 %
Peak intensity	11.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



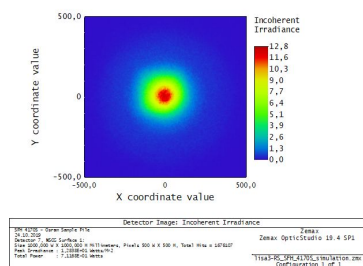
LED	NFSWE11A
FWHM / FWTM	12.0° / 25.0°
Efficiency	84 %
Peak intensity	11.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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:	



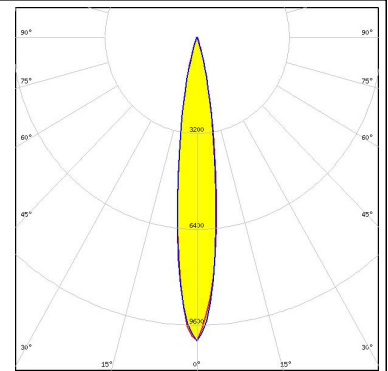
LED	SFH 4170S
FWHM / FWTM	16.0°
Efficiency	76 %
LEDs/each optic	1
Light colour	IR
Required components:	



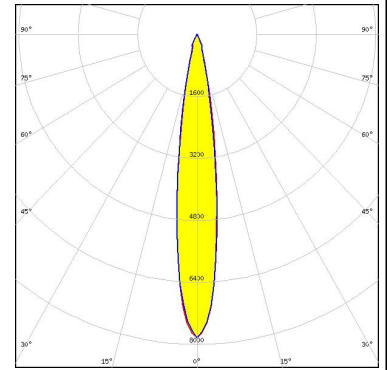
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

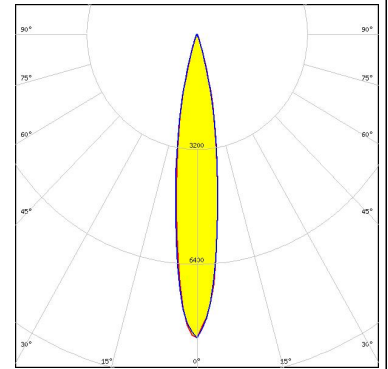
LED LM101B
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 89 %
 Peak intensity 8.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:



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

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)