

LISA3-S-PIN

~16° spot beam with location pin installation

SPECIFICATION:

Dimensions	Ø 10.0
Height	7 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

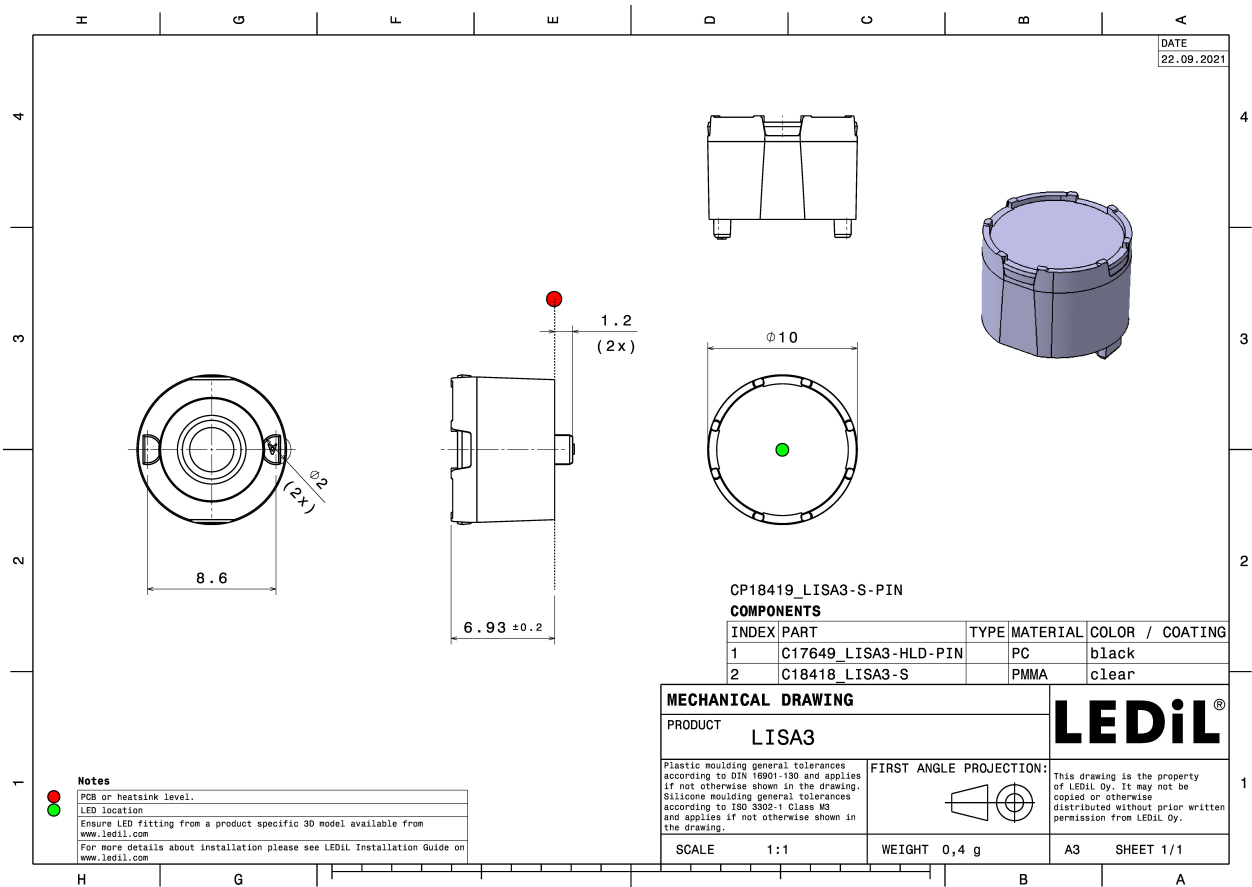
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LISA3-S	Single lens	PMMA	clear		
LISA3-HLD-PIN	Holder	PC	black		



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP18419_LISA3-S-PIN » Box size: 273 x 183 x 135 mm	4000	48000	100	2.3

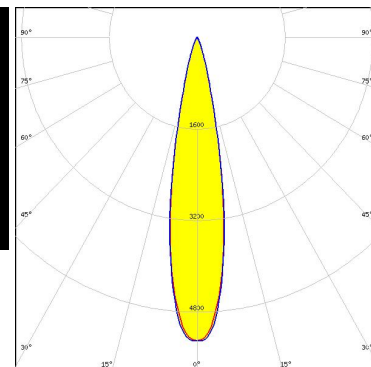


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



LED SST-10-B130
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 82 %
 Peak intensity 5.4 cd/lm
 LEDs/each optic 1
 Light colour/type Blue
 Required components:

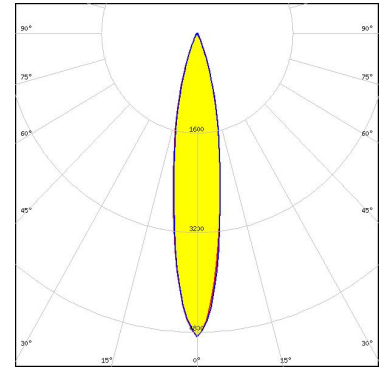


Light distribution files

OPTICAL RESULTS (SIMULATED):



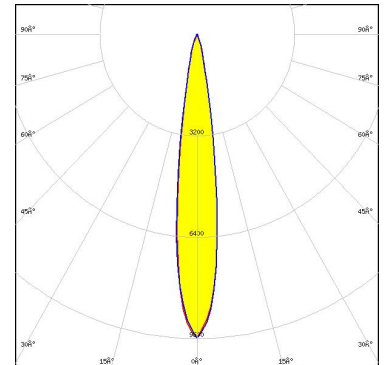
LED CSP 2323 (BXCP)
 FWHM / FWTM 18.0° / 41.0°
 Efficiency 81 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



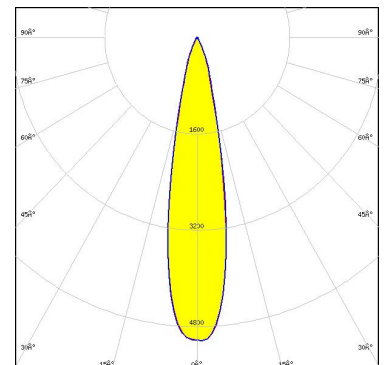
LED XP-E2
 FWHM / FWTM 16.0° / 29.0°
 Efficiency 91 %
 Peak intensity 9.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G2
 FWHM / FWTM 22.0° / 42.0°
 Efficiency 90 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

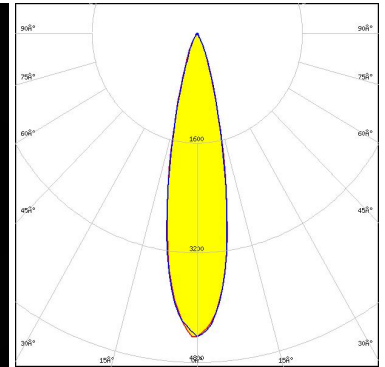


Light distribution files

OPTICAL RESULTS (SIMULATED):



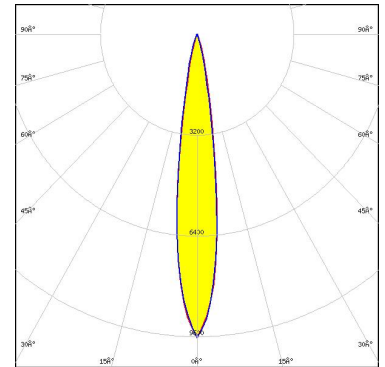
LED XP-G4
 FWHM / FWTM 22.0° / 43.0°
 Efficiency 91 %
 Peak intensity 4.5 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



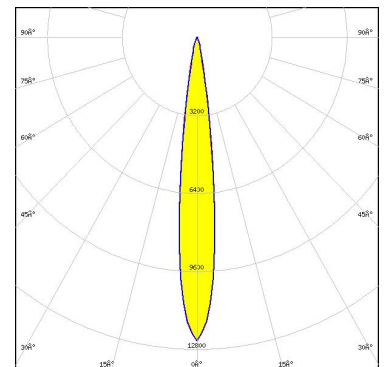
LED XQ-E HD
 FWHM / FWTM 16.0° / 29.0°
 Efficiency 90 %
 Peak intensity 9.6 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON Rubix
 FWHM / FWTM 14.0° / 25.0°
 Efficiency 91 %
 Peak intensity 12.4 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

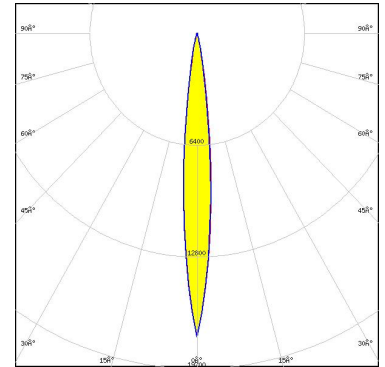


Light distribution files

OPTICAL RESULTS (SIMULATED):



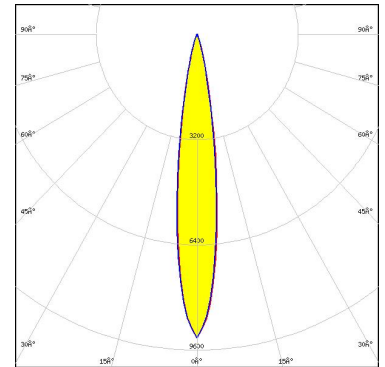
LED LUXEON Z
FWHM / FWTM 10.0° / 22.0°
Efficiency 88 %
Peak intensity 17.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



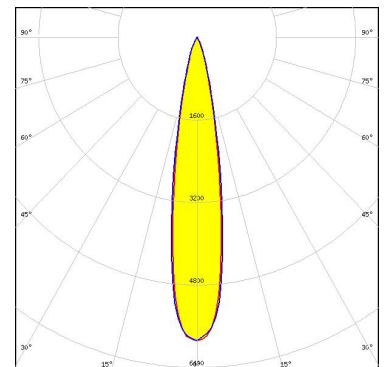
LED LUXEON Z ES
FWHM / FWTM 16.0° / 30.0°
Efficiency 89 %
Peak intensity 9.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED SST-10-B130
FWHM / FWTM 19.0° / 37.0°
Efficiency 90 %
Peak intensity 5.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

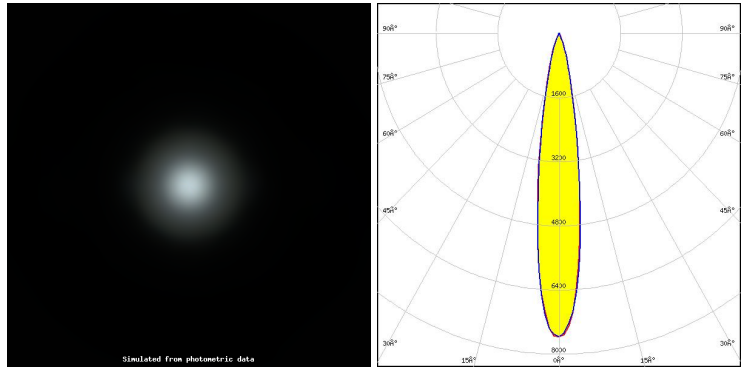


Light distribution files

OPTICAL RESULTS (SIMULATED):



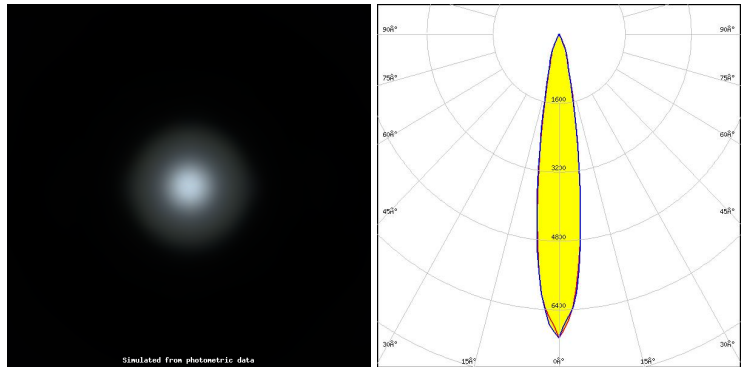
LED SST-12 Gen1
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 89 %
 Peak intensity 7.6 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



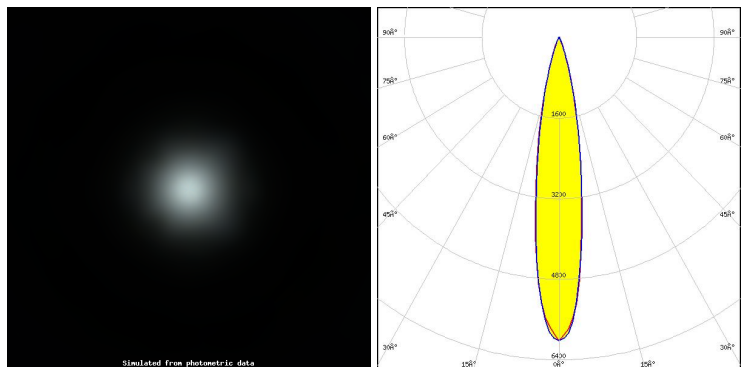
LED SST-12 Gen2
 FWHM / FWTM 16.0° / 36.0°
 Efficiency 90 %
 Peak intensity 7.1 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SST-20 Gen1
 FWHM / FWTM 18.0° / 36.0°
 Efficiency 85 %
 Peak intensity 6.2 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

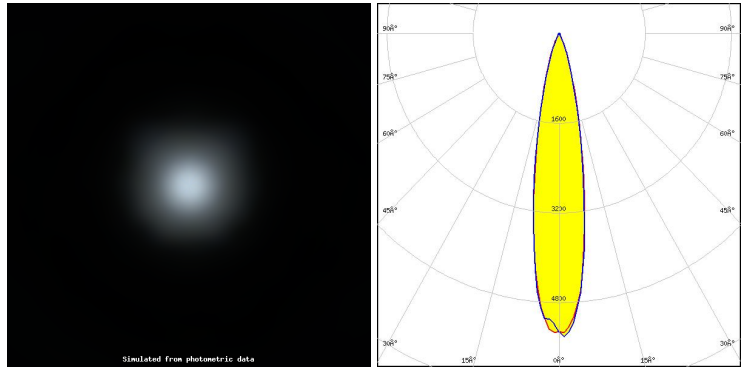


Light distribution files

OPTICAL RESULTS (SIMULATED):



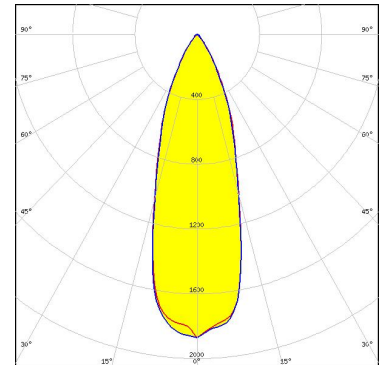
LED SST-20 Gen2
 FWHM / FWTM 20.0° / 40.0°
 Efficiency 88 %
 Peak intensity 5.4 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



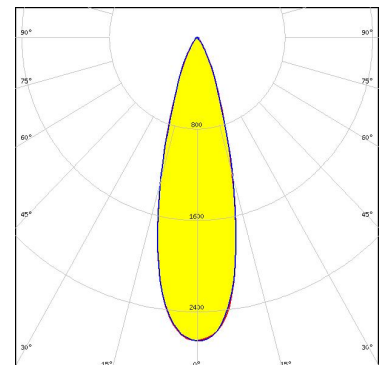
LED NV4WB35AM
 FWHM / FWTM 32.0° / 66.0°
 Efficiency 85 %
 Peak intensity 1.9 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW3x9A
 FWHM / FWTM 30.0° / 56.0°
 Efficiency 84 %
 Peak intensity 2.7 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

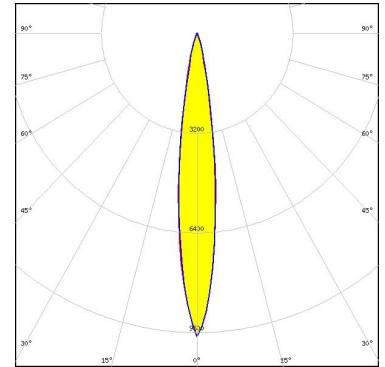


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

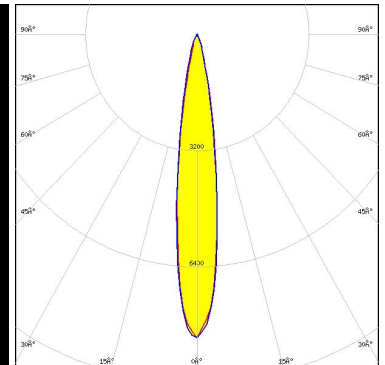
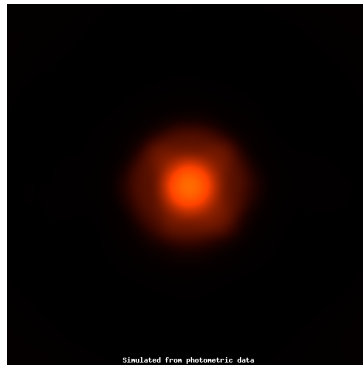
LED OSCONIQ P 3030
FWHM / FWTM 14.0° / 29.0°
Efficiency 89 %
Peak intensity 9.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

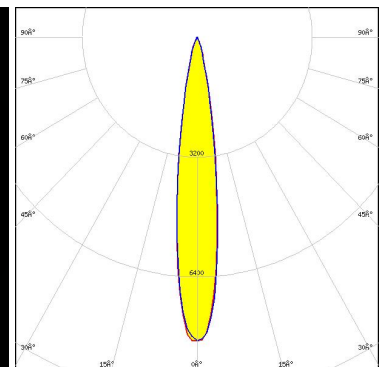
LED OSLOM Signal
FWHM / FWTM 16.0° / 30.0° + 31.0°
Efficiency 91 %
Peak intensity 8.4 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLOM Signal
FWHM / FWTM 16.0° / 31.0°
Efficiency 90 %
Peak intensity 8.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

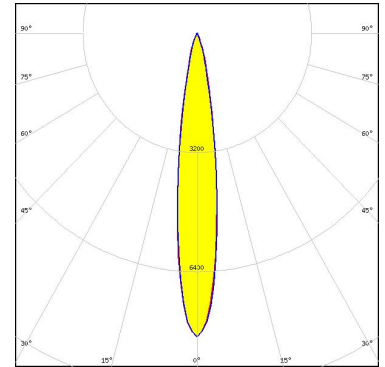


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

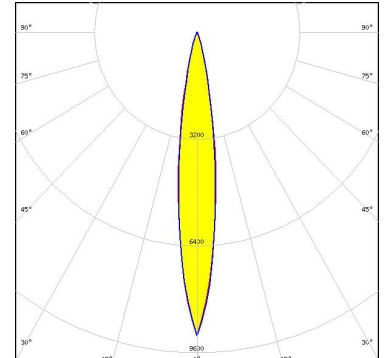
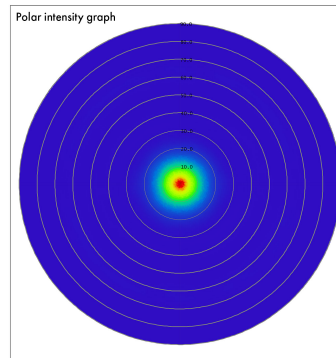
LED OSLON Square Flat
FWHM / FWTM 16.0° / 32.0°
Efficiency 89 %
Peak intensity 8.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

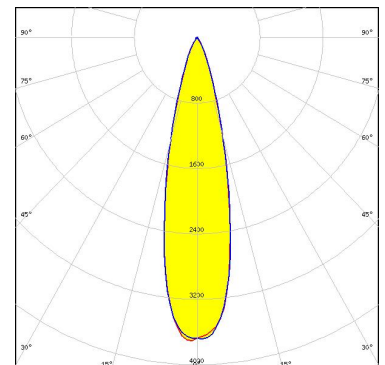
LED SFH 4716S
FWHM / FWTM 15.0° / 31.0°
Efficiency 87 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

SAMSUNG

LED LH351B
FWHM / FWTM 24.0° / 46.0°
Efficiency 88 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

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 7
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

Poznan, Poland
Hong Kong, China

Distribution Partners

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