

LISA2-WW-PIN

~45° wide beam. 7.0 mm high variant with location pin installation.

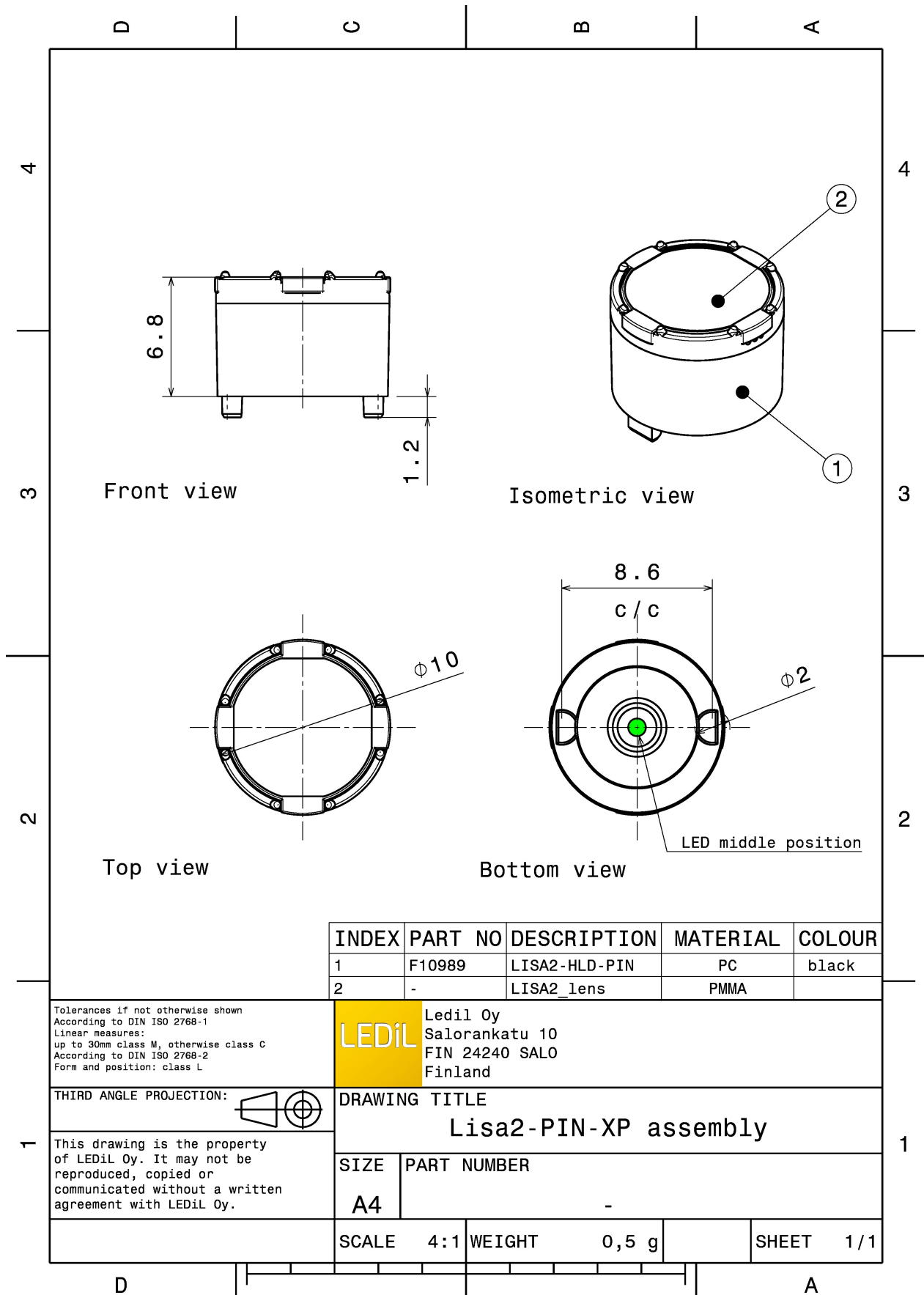
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	7 mm
Fastening	glue, pin
Colour	black
Box size	310 x 230 x 60 mm
Box weight	1.4 kg
Quantity in Box	2000 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
LISA2-WW	Single lens	PMMA	
LISA2-HLD-PIN	Holder	PC	



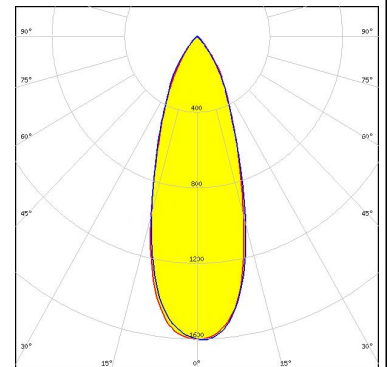
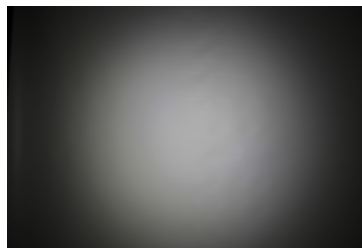
PHOTOMETRIC DATA (MEASURED):

CREE

LED XB-D
FWHM 38.0°
Efficiency 85 %
Peak intensity 1.330 cd/lm
LEDs/each optic 1
Light colour White
Required components:

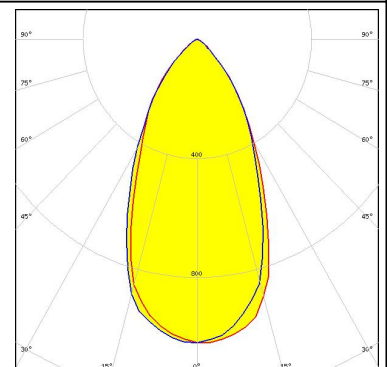
CREE

LED XD16
FWHM 35.0°
Efficiency 78 %
Peak intensity 1.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



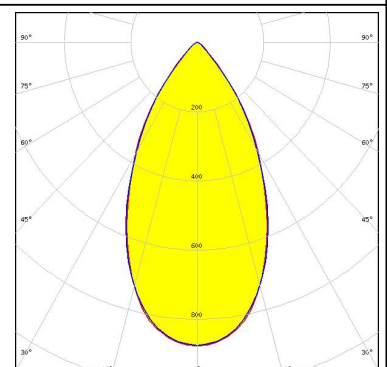
CREE

LED XP-E
FWHM 42.0°
Efficiency 91 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE

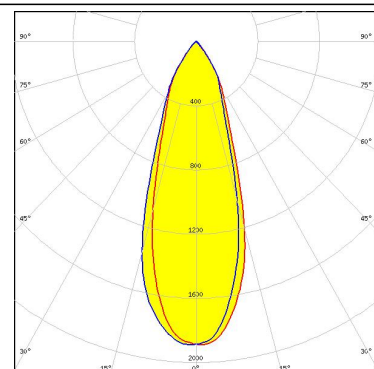
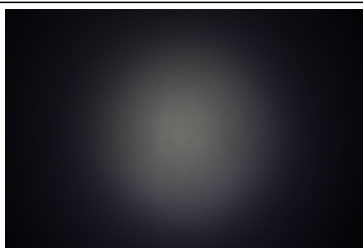
LED XP-G
FWHM 54.0°
Efficiency 90 %
Peak intensity 0.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON C
FWHM 34.0°
Efficiency 88 %
Peak intensity 1.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



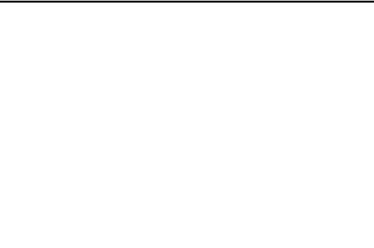
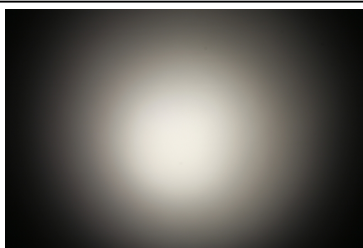
LUMILEDS

LED LUXEON Rebel ES
FWHM 56.0°
Efficiency 93 %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:



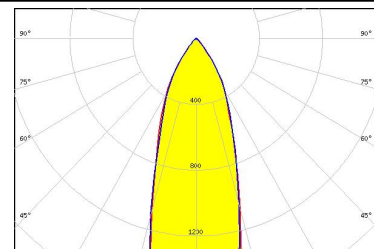
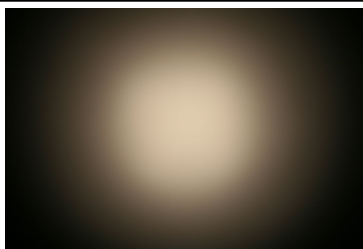
LUMILEDS

LED LUXEON Z
FWHM 28.0°
Efficiency 87 %
Peak intensity 2.260 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

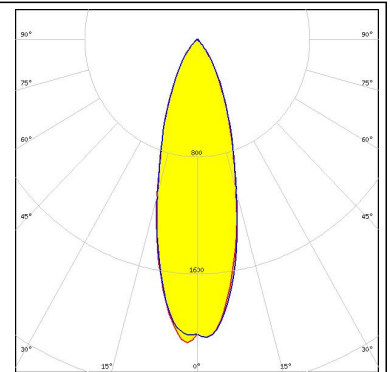
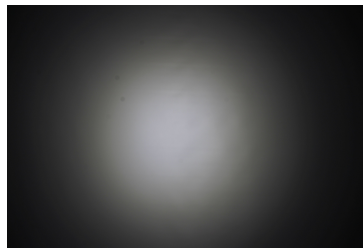
LED LUXEON Z ES
FWHM 35.0°
Efficiency 88 %
Peak intensity 1.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



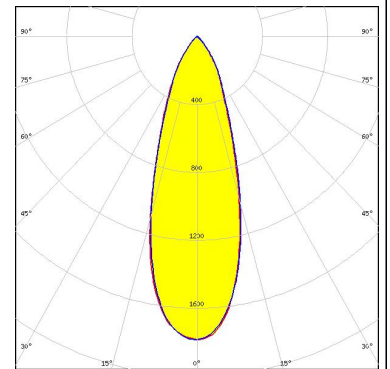
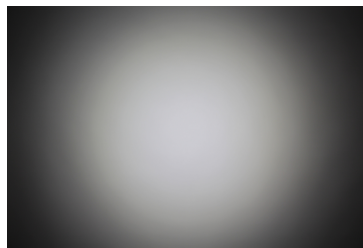
PHOTOMETRIC DATA (MEASURED):



LED NCSxE17A
FWHM 25.0°
Efficiency 82 %
Peak intensity 2.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LH181B
FWHM 34.0°
Efficiency 81 %
Peak intensity 1.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



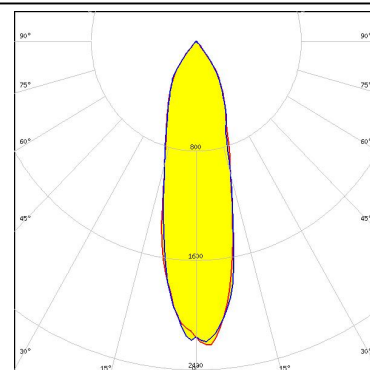
PHOTOMETRIC DATA (SIMULATED):



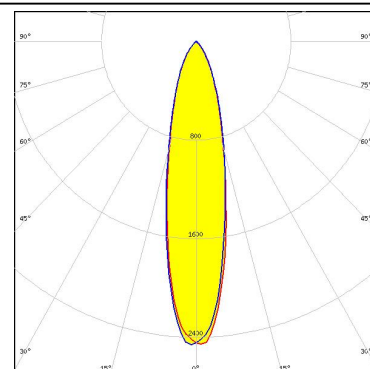
LED XQ-E HD
FWHM 72.0°
Efficiency 90 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



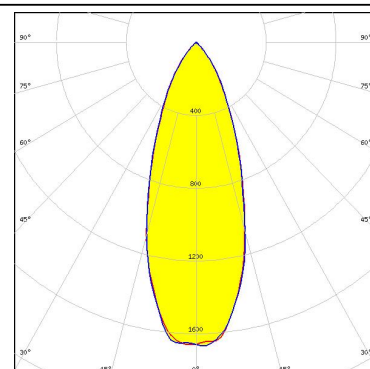
LED XQ-E HI
FWHM 27.0°
Efficiency 89 %
Peak intensity 2.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON IR 2720
FWHM 24.0°
Efficiency 74 %
Peak intensity cd/lm
LEDs/each optic 1
Light colour IR
Required components:



LED NVSxE21A
FWHM 37.0°
Efficiency 88 %
Peak intensity 1.690 cd/lm
LEDs/each optic 1
Light colour White
Required components:

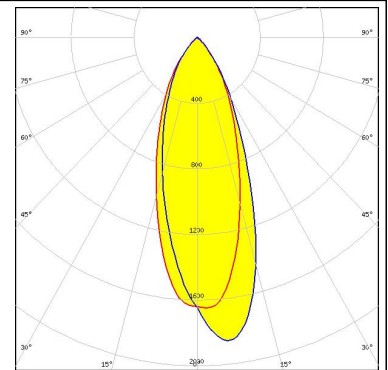


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

LED SFH 4770S
FWHM 34.0°
Efficiency 92 %
Peak intensity 1.860 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SHARP

LED Double Dome (GM2BB)
FWHM 60.0°
Efficiency %
Peak intensity 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

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)