LISA3-O-90-CLIP16

~15° + 50° oval beam with clip installation. Lens rotated 90°.



SPECIFICATION:

Dimensions	Ø 10.0 mm
Height	7.9 mm
Fastening	clips
ROHS compliant	yes

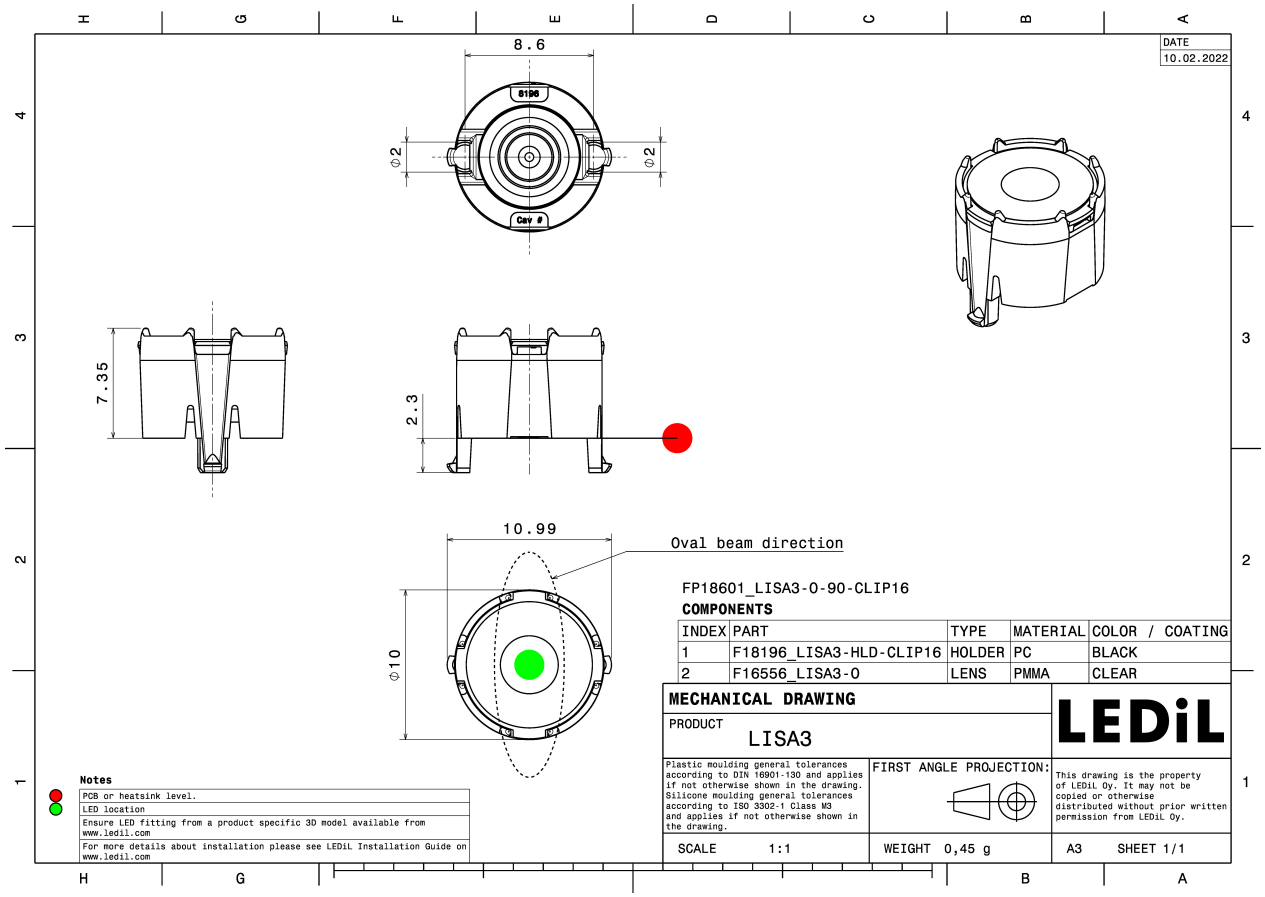
MATERIALS:

Component	Type	Material	Colour	Finish	Length
LISA3-O	Single lens	PMMA	clear		9.9
LISA3-HLD-CLIP16	Holder	PC	black		9.9

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FP18601_LISA3-O-90-CLIP16 » Box size: 310 x 230 x 60 mm	2000	300	100	1.3

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FP18601_LISA3-O-90-CLIP16

COMPONENTS

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	F18196_LISA3-HLD-CLIP16	HOLDER	PC	BLACK
2	F16556_LISA3-O	LENS	PMMA	CLEAR

MECHANICAL DRAWING

PRODUCT
LISA3

LEDiL

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:

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SCALE 1:1 | WEIGHT 0,45 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

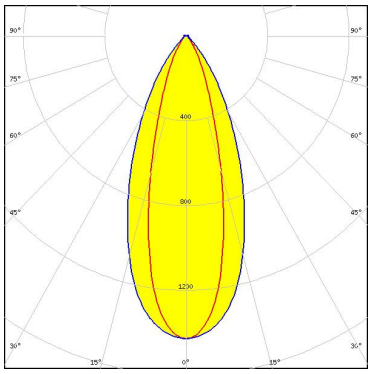
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OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-G3
FWHM / FWTM	29.0 + 45.0° / 59.0 + 81.0°
Efficiency	71 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



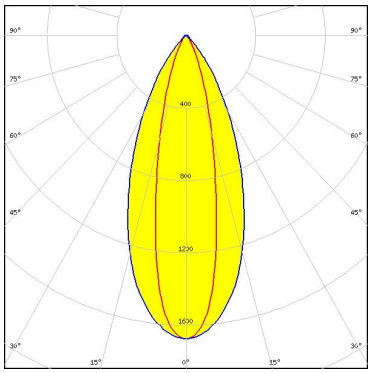


Light distribution files

CREE LEDs

LED	XT-E
FWHM / FWTM	24.0 + 45.0° / 51.0 + 80.0°
Efficiency	71 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





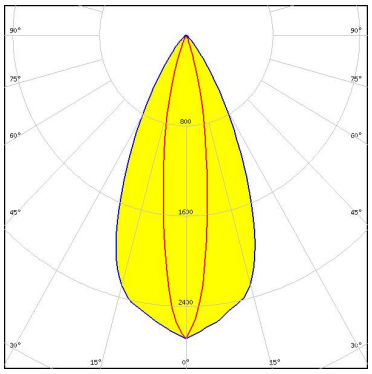
Light distribution files

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OPTICAL RESULTS (SIMULATED):

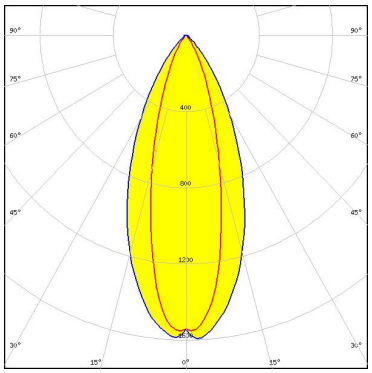
CREE LEDs

LED	XP-E2
FWHM / FWTM	17.0 + 48.0° / 37.0 + 76.0°
Efficiency	85 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



CREE LEDs

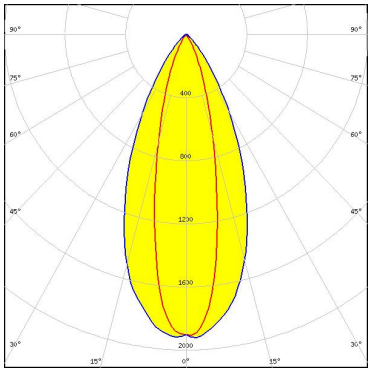
LED	XP-G3
FWHM / FWTM	28.0 + 46.0° / 58.0 + 82.0°
Efficiency	77 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	24.0 + 47.0° / 52.0 + 80.0°
Efficiency	82 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



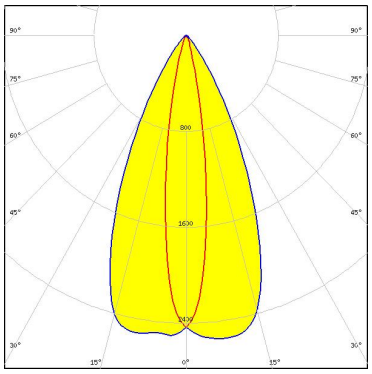
Light distribution files

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OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LM101B
FWHM / FWTM	16.0 + 50.0° / 32.0 + 75.0°
Efficiency	80 %
Peak intensity	2.5 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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