LISA2-O-CLIP

~45° x 20° oval beam optimized for LUXEON Rebel. 6.6 mm high variant with clip installation.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	6.6 mm
Fastening	glue, clips
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LISA2-O-XP	Single lens	PMMA	clear	
LISA2-HLD-CLIP16-RE	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP11122_LISA2-O-CLIP	Single lens	2000	300	100	1.4

» Box size:

R1

R1.19

Detail A
Scale: 8:1

Lisa2-O-90 beam direction

Lisa2-O beam direction

8.6

c/c PCB hole

A

Ø9.9

Bottom view
Scale: 4:1

Lens

Holder

Reference PCB

6.6

1.76

Front view
Scale: 4:1

Materials:
Lens PMMA
Holder PC

Note:
Take tolerances
into account
when specifying
positioning
holes for PCB
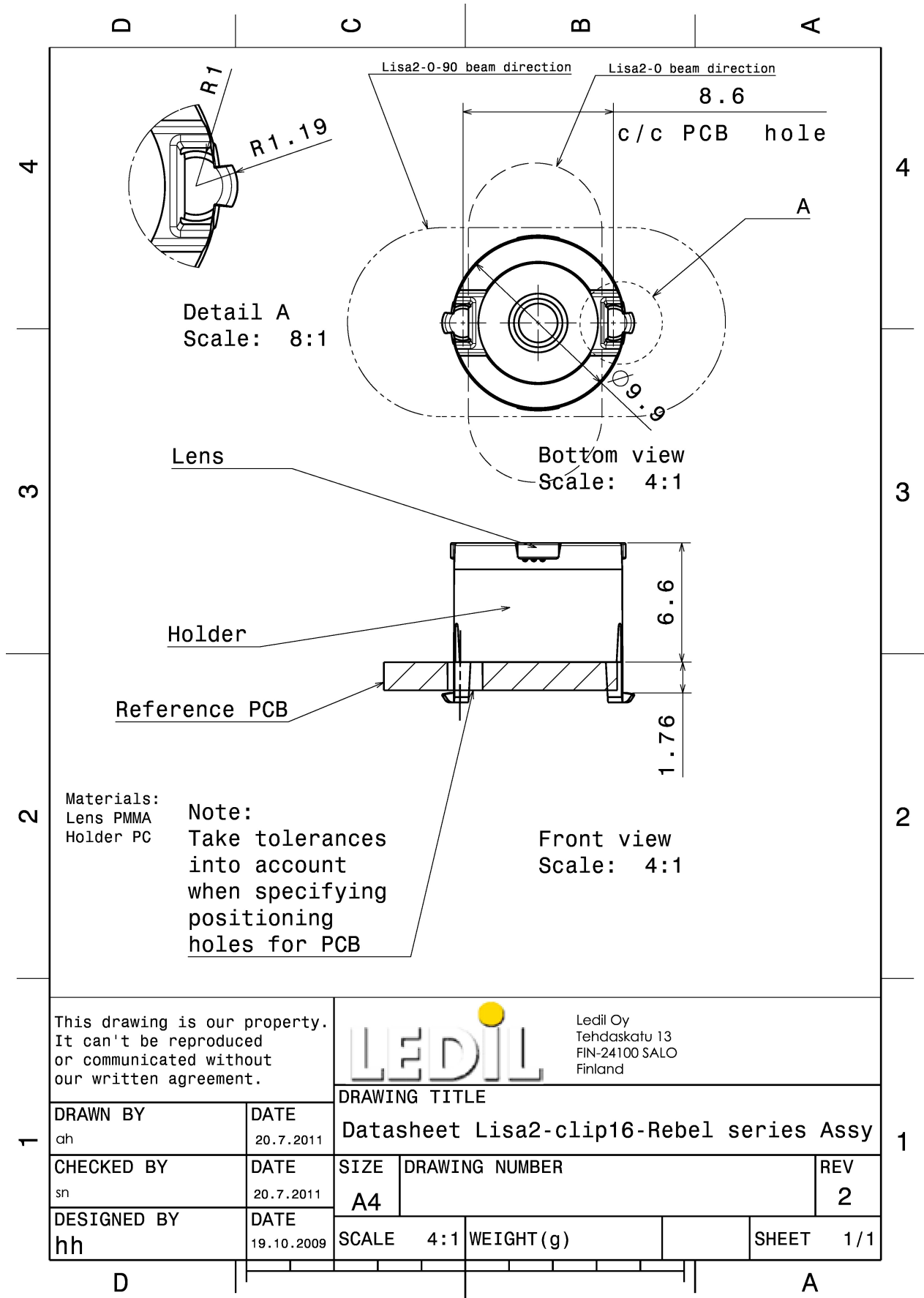
This drawing is our property.
It can't be reproduced
or communicated without
our written agreement.

Ledil Oy
Tehdaskatu 13
FIN-24100 SALO
Finland

DRAWING TITLE
Datasheet Lisa2-clip16-Rebel series Assy

DRAWN BY ah	DATE 20.7.2011			
CHECKED BY sn	DATE 20.7.2011	SIZE A4	DRAWING NUMBER	REV 2
DESIGNED BY hh	DATE 19.10.2009	SCALE 4:1	WEIGHT(g)	SHEET 1/1

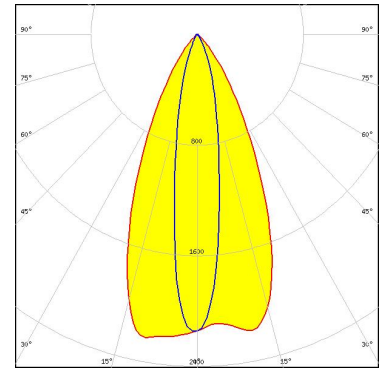See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON A
FWHM / FWTM	44.0 + 23.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	48.0 + 19.0°
Efficiency	83 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	44.0 + 23.0°
Efficiency	81 %
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NCSxx19A
FWHM / FWTM	20.0 + 48.0°
Efficiency	75 %
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON Square PC
FWHM / FWTM	48.0 + 21.0° / 82.0 + 52.0°
Efficiency	75 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
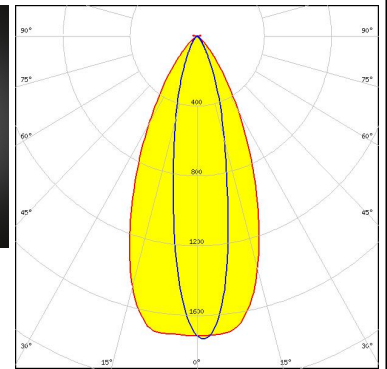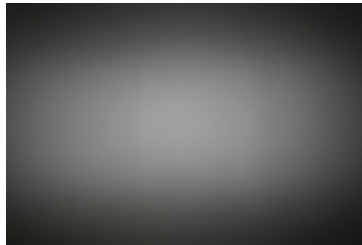
SAMSUNG

LED	LH181A
FWHM / FWTM	48.0 + 22.0° / 82.0 + 58.0°
Efficiency	64 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
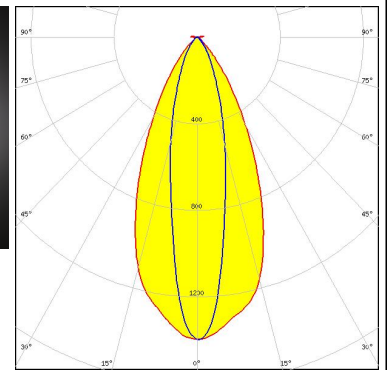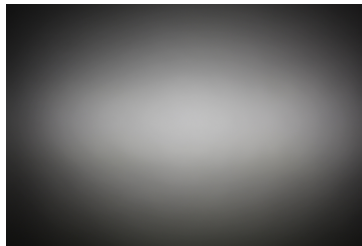
SAMSUNG

LED	LH181B
FWHM / FWTM	48.0 + 23.0° / 83.0 + 60.0°
Efficiency	69 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
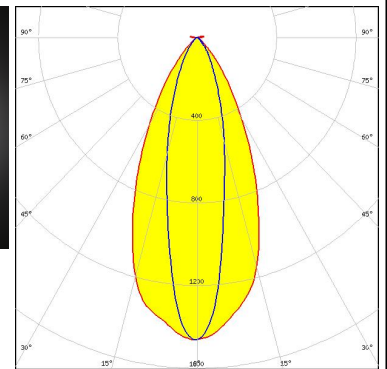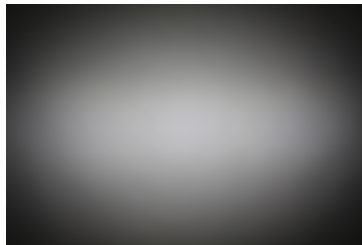
PHOTOMETRIC DATA (SIMULATED):

NICHIA

LED	NVSxx19A
FWHM / FWTM	20.0 + 48.0°
Efficiency	%
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

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy