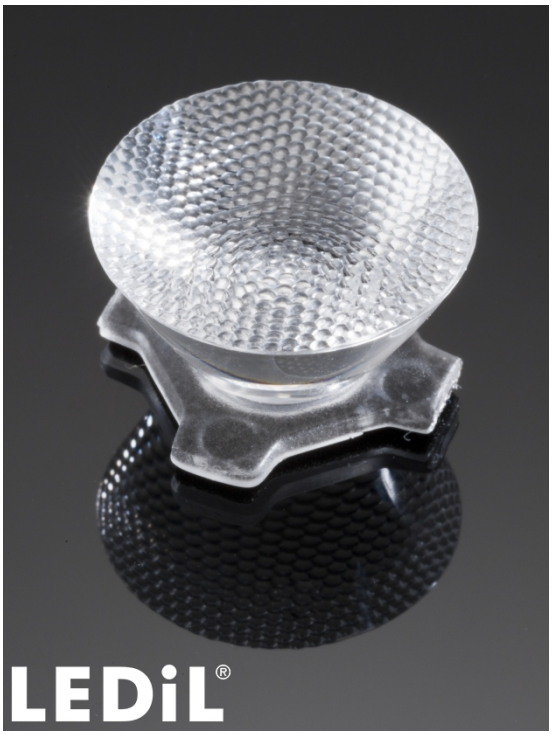
HEIDI-M

~25° medium beam



SPECIFICATION:

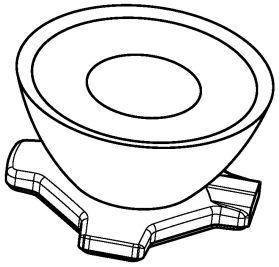
Dimensions	Ø 21.6 mm
Height	11.9 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

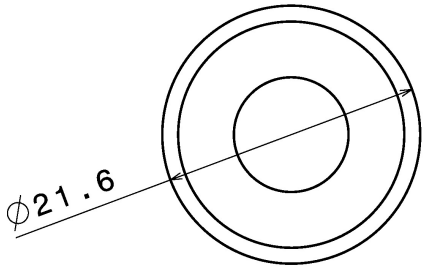
Component	Type	Material	Colour	Finish
HEIDI-M	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

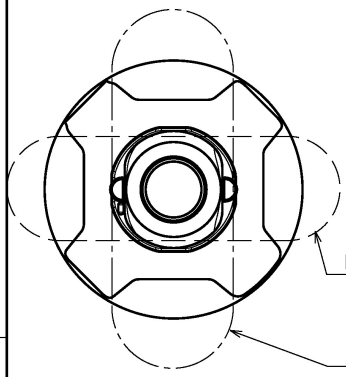
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11265_HEIDI-M » Box size: 480 x 280 x 300 mm	Single lens	3264	204	204	10.8



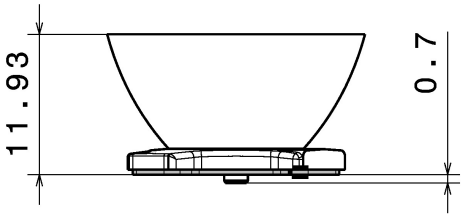
Isometric view



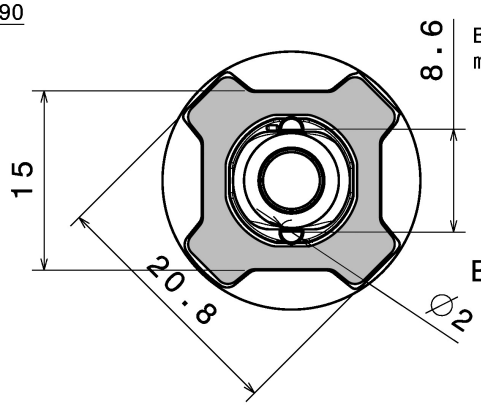
Top view



Bottom view



Front view



Bottom view

Material:
Lens PMMA
Tape Acrylic foam

Ledil Oy
Joensuunkatu 13
FIN-24100 SALO
Finland

DRAWN BY: ah	DATE: 24.6.2013	DRAWING TITLE: Datasheet Heidi-0 assy		
CHECKED BY	DATE	SIZE: A4	DRAWING NUMBER	REV: 001
DESIGNED BY	DATE	SCALE: 2:1	WEIGHT(g)	SHEET: 1/1

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

OPTICAL RESULTS (MEASURED):

CREE LED

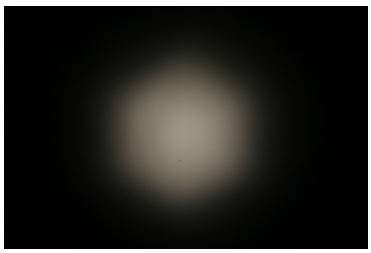
LED	XB-D
FWHM / FWTM	29.0°
Efficiency	87 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

CREE LED

LED	XB-H
FWHM / FWTM	27.0° / 48.0°
Efficiency	87 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



CREE LED

LED	XP-E
FWHM / FWTM	28.0° / 46.0°
Efficiency	92 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

CREE LED

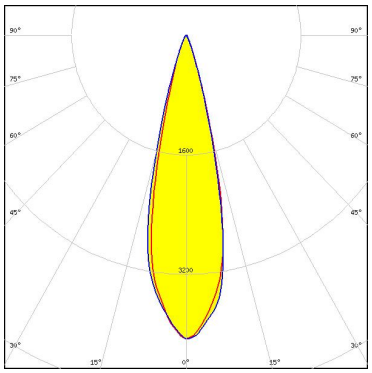
LED	XP-G
FWHM / FWTM	28.0° / 46.0°
Efficiency	92 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

OPTICAL RESULTS (MEASURED):

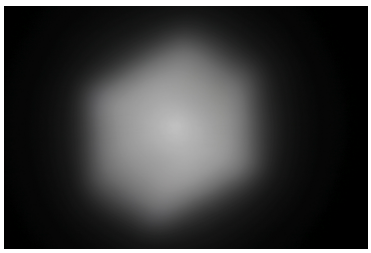
CREE LED

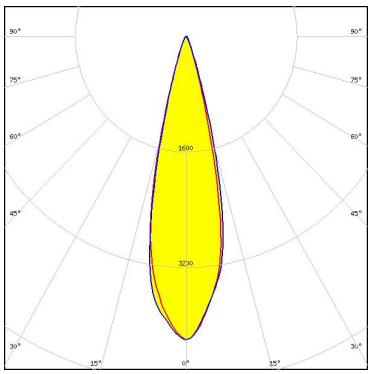
LED	XQ-E HD
FWHM / FWTM	26.0° / 41.0°
Efficiency	94 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

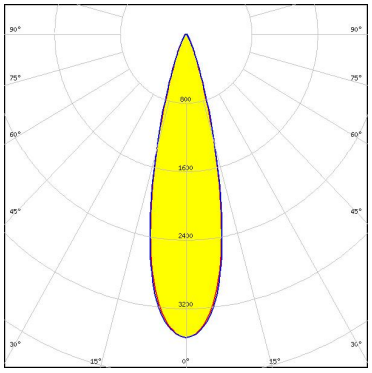
LED	XQ-E HI
FWHM / FWTM	25.0° / 40.0°
Efficiency	94 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





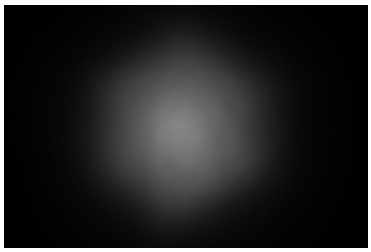
CREE LED

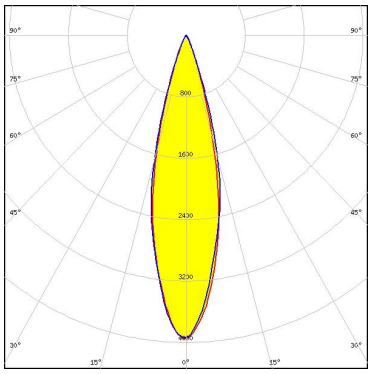
LED	XT-E
FWHM / FWTM	27.0° / 46.0°
Efficiency	94 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON C
FWHM / FWTM	26.0° / 44.0°
Efficiency	87 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

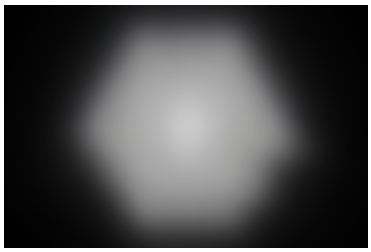


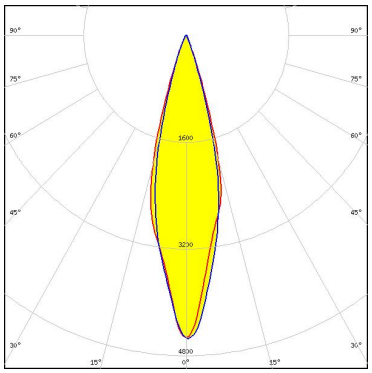


OPTICAL RESULTS (MEASURED):

LUMILEDS

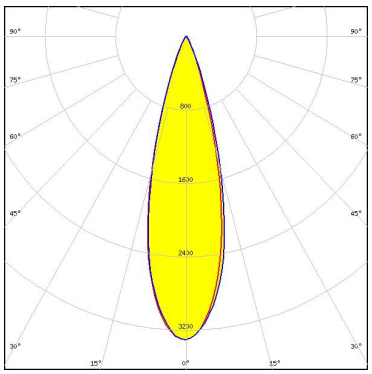
LED	LUXEON CZ
FWHM / FWTM	26.0° / 42.0°
Efficiency	94 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





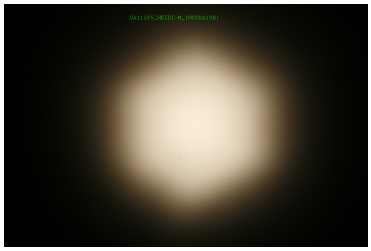
LUMILEDS

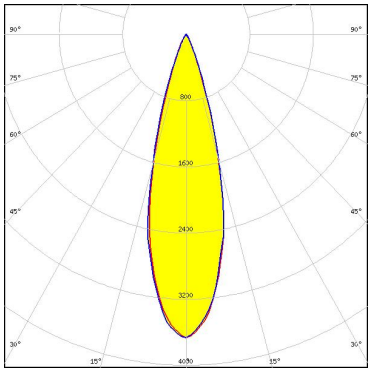
LED	LUXEON T
FWHM / FWTM	28.0° / 47.0°
Efficiency	87 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NCSxx19B
FWHM / FWTM	29.0° / 47.0°
Efficiency	88 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





NICHIA

LED	NVSxx19A
FWHM / FWTM	28.0° / 49.0°
Efficiency	87 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	26.0° / 44.0°
Efficiency	90 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

OSRAM
Opto Semiconductors

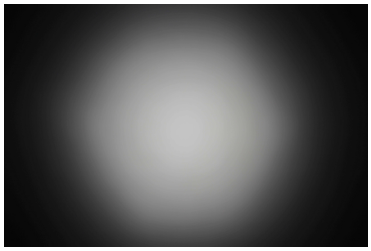
LED	OSLON SSL 80
FWHM / FWTM	28.0° / 46.0°
Efficiency	87 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

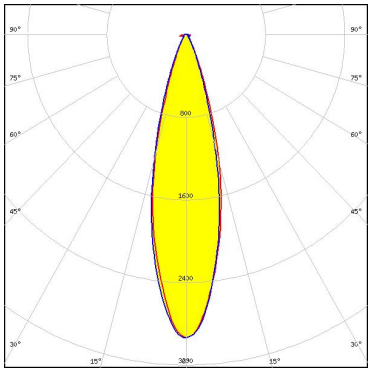
Required components:

SAMSUNG

LED	LH181A
FWHM / FWTM	27.0° / 49.0°
Efficiency	88 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

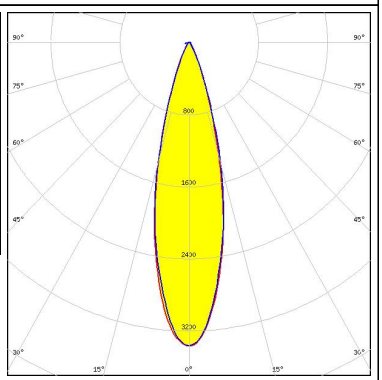




SAMSUNG

LED	LH181B
FWHM / FWTM	27.0° / 49.0°
Efficiency	93 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

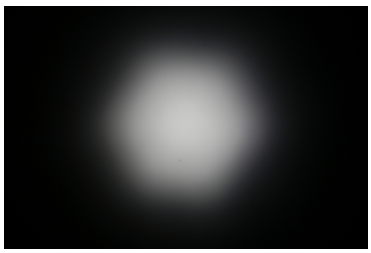
LED	Z5
FWHM / FWTM	28.0° / 42.0°
Efficiency	87 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White

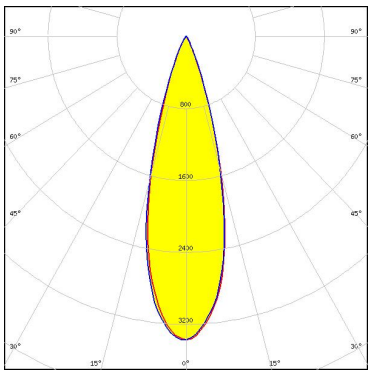
Required components:

SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	29.0° / 48.0°
Efficiency	89 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

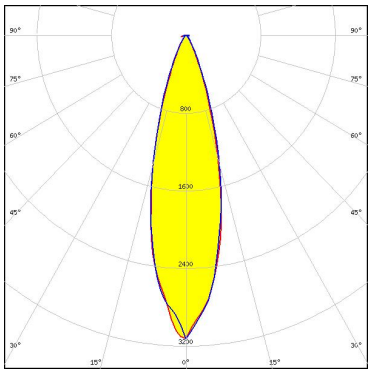




OPTICAL RESULTS (SIMULATED):

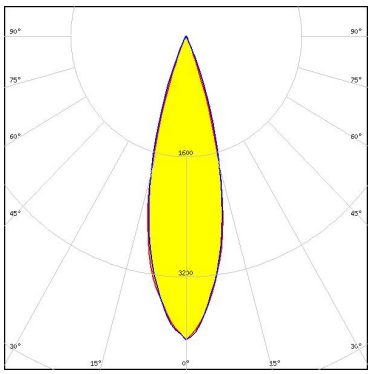
CREE LED

LED	XHP35.2 HI
FWHM / FWTM	28.0° / 52.0°
Efficiency	94 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



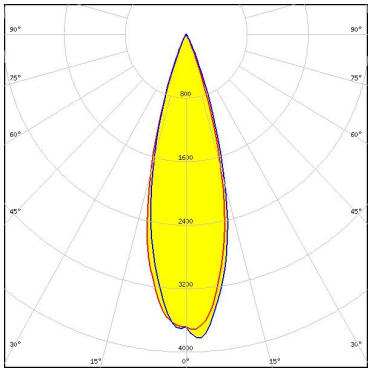
CREE LED

LED	XP-E2
FWHM / FWTM	28.0° / 46.0°
Efficiency	96 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



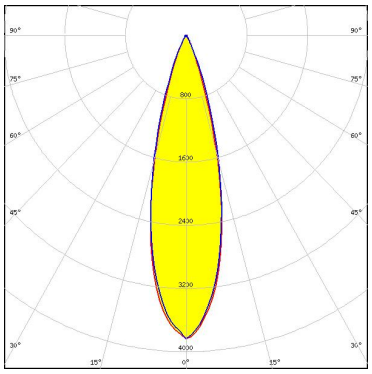
CREE LED

LED	XP-E2
FWHM / FWTM	29.0° / 46.0°
Efficiency	96 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	Green
Required components:	



LUMILEDS

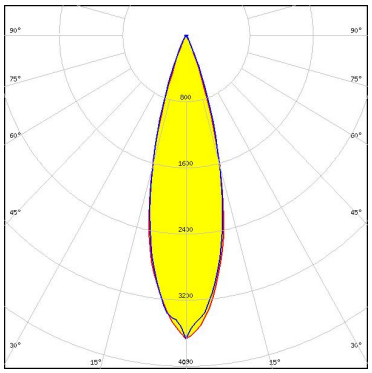
LED	LUXEON HL2Z
FWHM / FWTM	28.0° / 48.0°
Efficiency	96 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

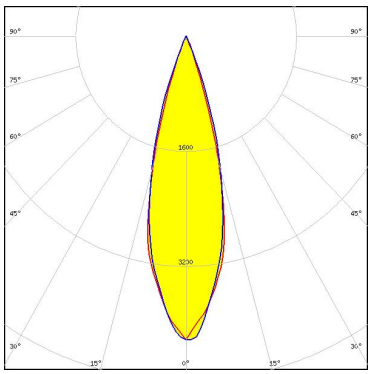
LUMILEDS

LED	LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM	28.0° / 45.0°
Efficiency	91 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



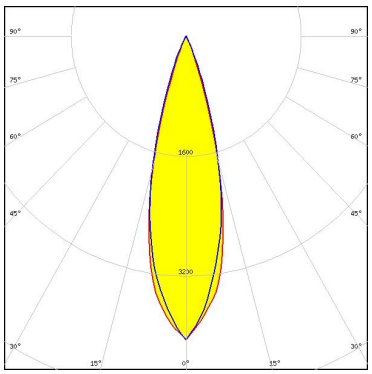
LUMILEDS

LED	LUXEON Z
FWHM / FWTM	28.0° / 44.0°
Efficiency	96 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



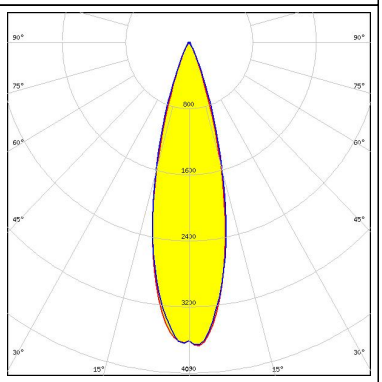
LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	28.0° / 45.0°
Efficiency	94 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

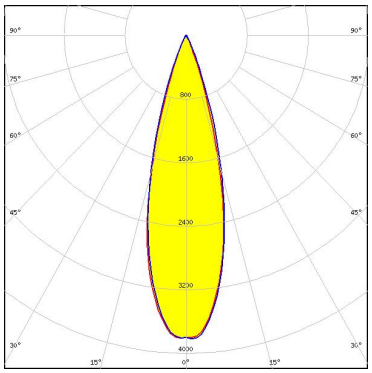
LED	NVSxE21A
FWHM / FWTM	28.0° / 47.0°
Efficiency	94 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

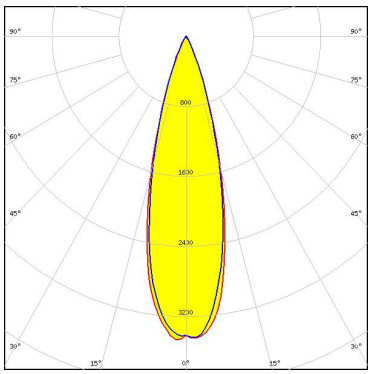
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	28.0° / 46.0°
Efficiency	96 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	28.0° / 48.0°
Efficiency	94 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

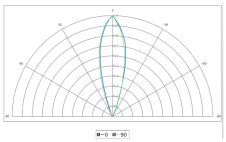


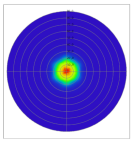
OSRAM
Opto Semiconductors

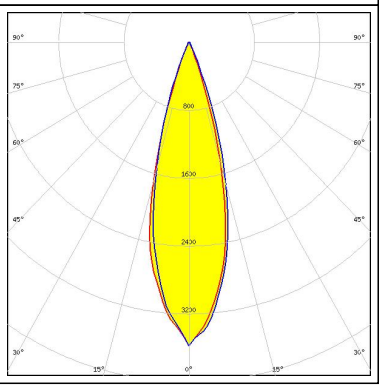
LED	OSLON Square EC
FWHM / FWTM	29.0°
Efficiency	%
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	28.0° / 44.0°
Efficiency	88 %
Peak intensity	
LEDs/each optic	1
Light colour	IR
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