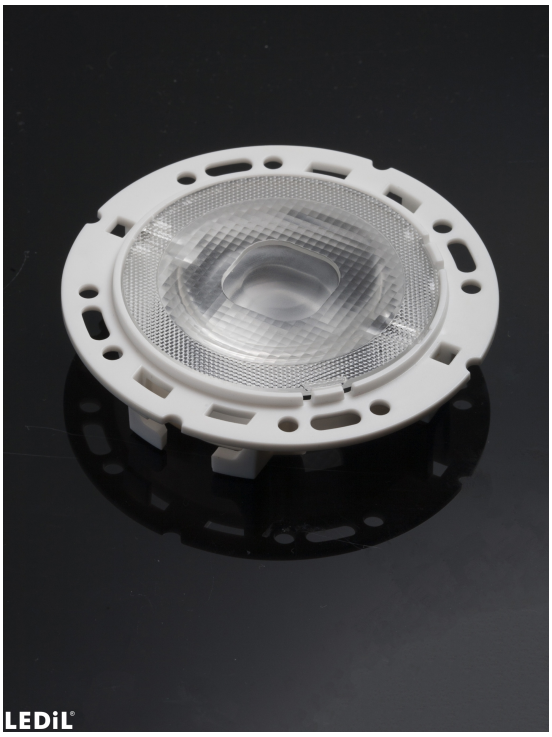
RONDA-REC-60

~60° + 60° rectangular beam with holder A compatible with 3rd party connectors from TE, Bender+Wirth and IDEAL



SPECIFICATION:

Dimensions	Ø 69.9 mm
Height	14.6 mm
Fastening	socket
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish
F15556_RONDA-REC-60	Single lens	PMMA	clear	
F15155_RONDA-HLD-A	Holder	PC	white	

ORDERING INFORMATION:

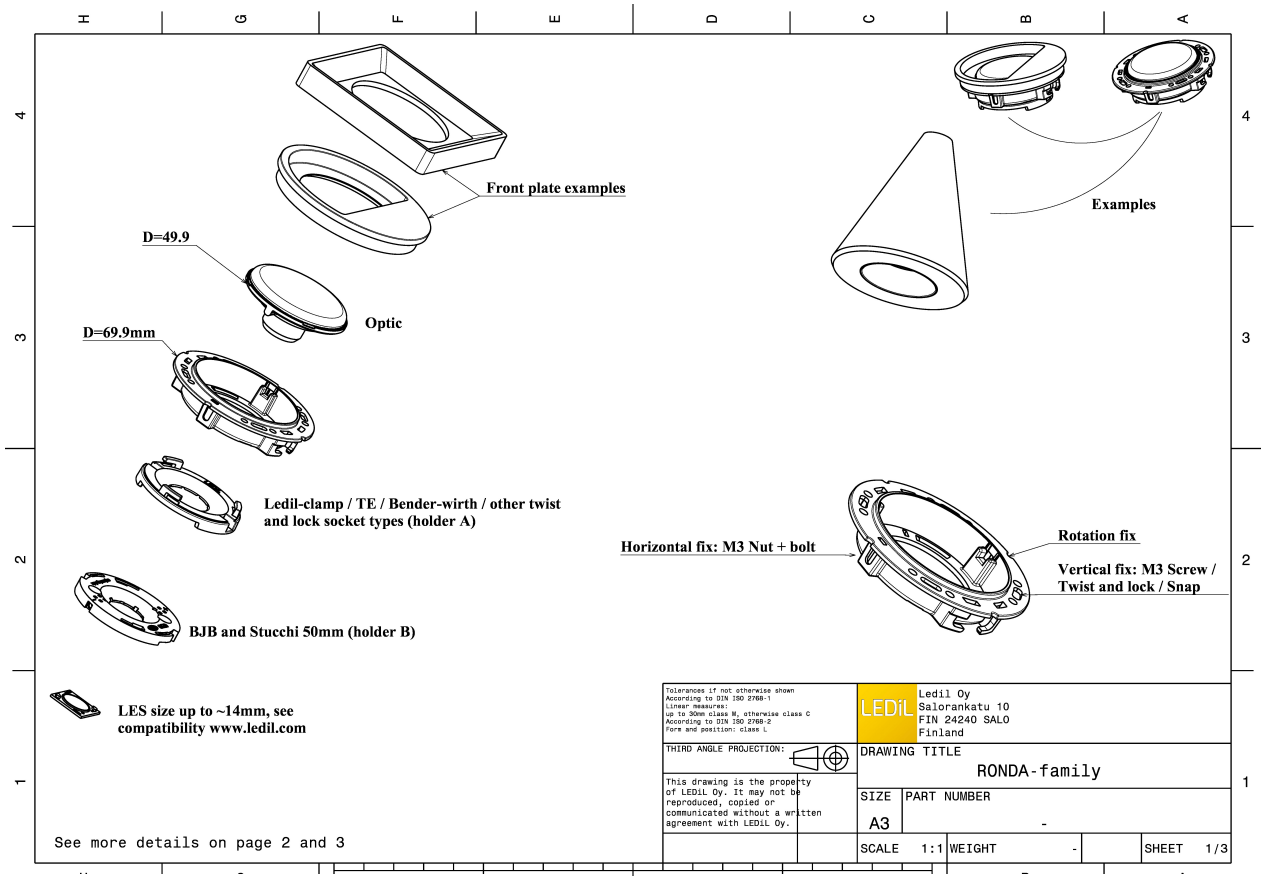
Quantities for one set:

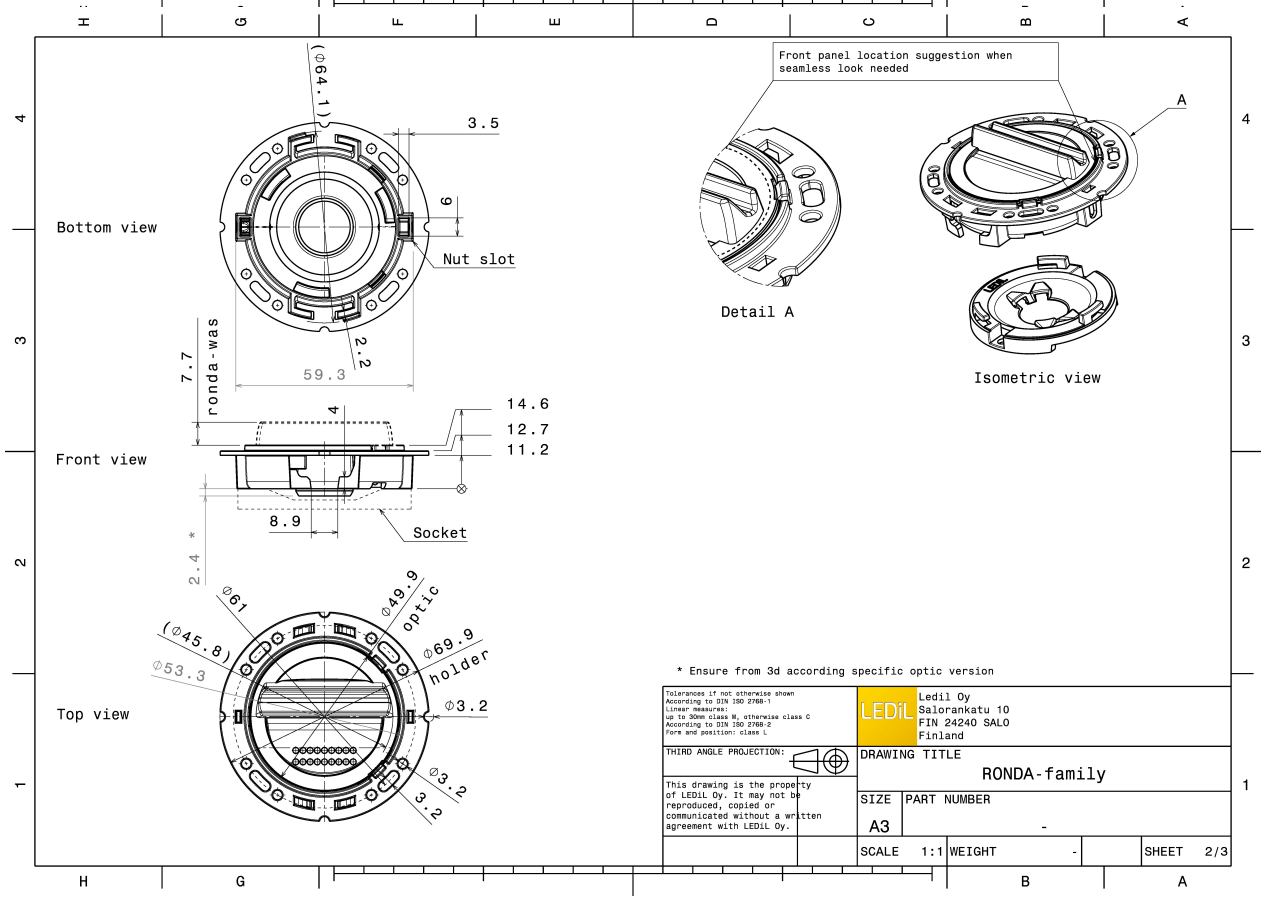
Single lens	1
Holder	1

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

Component		Qty in box	MOQ	MPQ	Box weight (kg)
F15556_RONDA-REC-60 » Box size: 480 x 280 x 300 mm	Single lens	420	120	30	6.7
F15155_RONDA-HLD-A » Box size: 480 x 280 x 300 mm	Holder	420	120	30	4.4

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

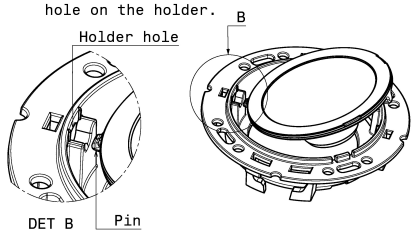




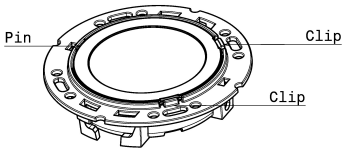
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTIC/HOLDER ASSEMBLY

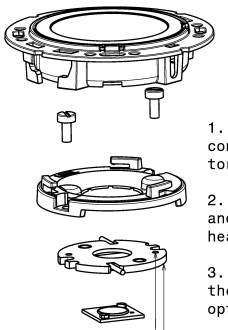
1. Place pin on the side of the lens into relative hole on the holder.



2. Press the lens under clips on the holder, ensuring both clips are fixed.



TYPICAL CONNECTOR ASSEMBLY (including solderless BENDER WIRTH as example)



1. Ensure correct relation of clamp and connector before screwing. Recommended torque 0.6Nm.

2. Assemble LED, BENDER&WIRTH connector and C13658_CLAMP-VERO13-18 clamp on heatsink with M3 screw.

3. Attach optic by aligning the holes in the holder with hooks and turning the optic holder clockwise until it locks.

Bender&Wirth model 4xx Typ L1

Align clamp positioning pin with holes in the connector.

Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: up to 30mm class H, otherwise class C According to DIN ISO 2768-2 Form and position: class L	LEDiL Ledil Oy Salorankatu 10 FIN 24240 SALO Finland
THIRD ANGLE PROJECTION:	DRAWING TITLE RONDA-family
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.	SIZE A3 / PART NUMBER - SCALE 1:1 / WEIGHT - / SHEET 3/3

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

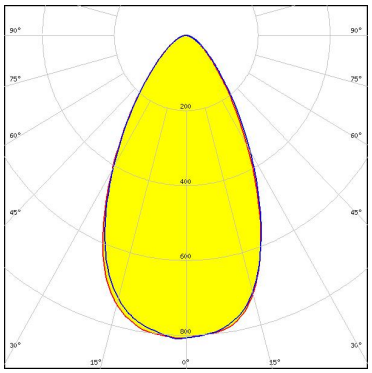
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

bridgelux

LED	Vero SE 13
FWHM / FWTM	58.0° / 103.0°
Efficiency	90 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

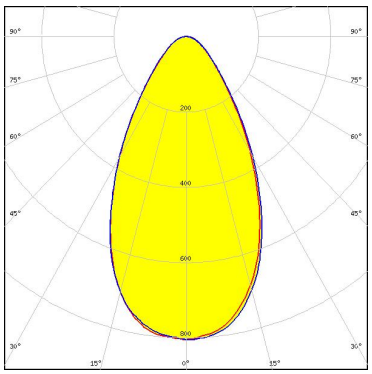
Required components:
C16402_CLAMP-VEROSE-13-18



CITIZEN

LED	CLL03x/CLU03x
FWHM / FWTM	57.0° / 104.0°
Efficiency	89 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

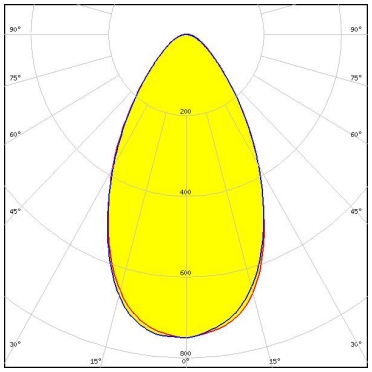
Required components:
C16791_CLAMP-Z45-A
TE Connectivity: 2325807-3



CREE LEDs

LED	CMA1840
FWHM / FWTM	60.0° / 109.0°
Efficiency	90 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

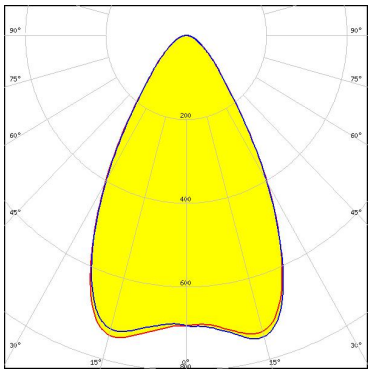
Required components:
C14123_CLAMP-CXA15-18



CREE LEDs

LED	CXA/B 15xx
FWHM / FWTM	63.0° / 104.0°
Efficiency	91 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14123_CLAMP-CXA15-18



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

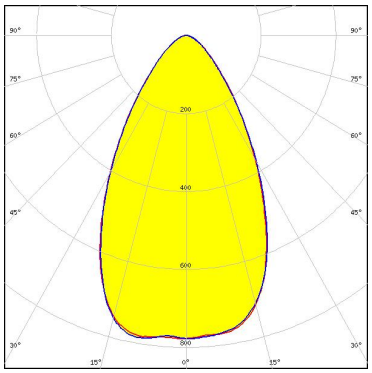
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM	60.0° / 104.0°
Efficiency	91 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C14123_CLAMP-CXA15-18

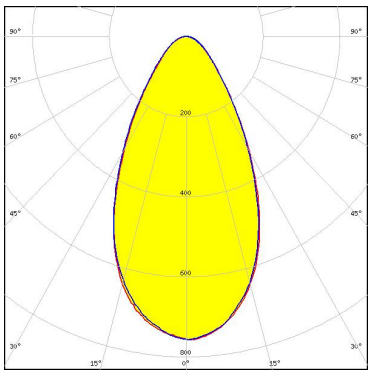


OSRAM

LED	PrevaLED Core G7 L15 H1
FWHM / FWTM	55.0° / 104.0°
Efficiency	81 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C16685_CLAMP-PRV-A



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

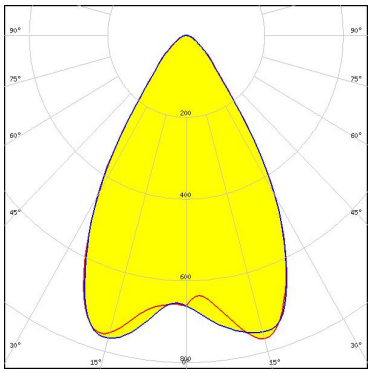
bridgelux

LED	H9
FWHM / FWTM	63.0°
Efficiency	91 %
LEDs/each optic	1
Light colour	White

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 441 Typ L1

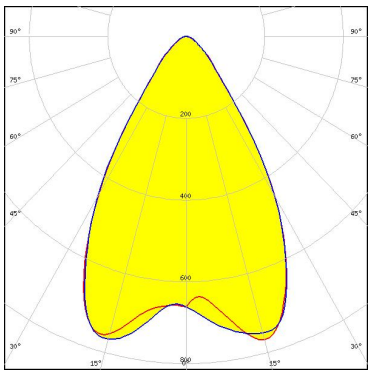


bridgelux

LED	H9
FWHM / FWTM	63.0°
Efficiency	91 %
LEDs/each optic	1
Light colour	White

Required components:

C14123_CLAMP-CXA15-18



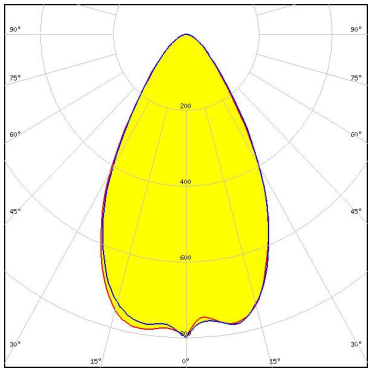
bridgelux

LED	V13 Gen7
FWHM / FWTM	60.0°
Efficiency	87 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 477 Typ L1



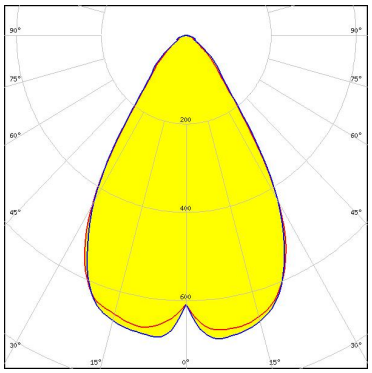
CITIZEN

LED	CLU700/701/702/703
FWHM / FWTM	65.0°
Efficiency	90 %
LEDs/each optic	1
Light colour	White

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 434 Typ L1

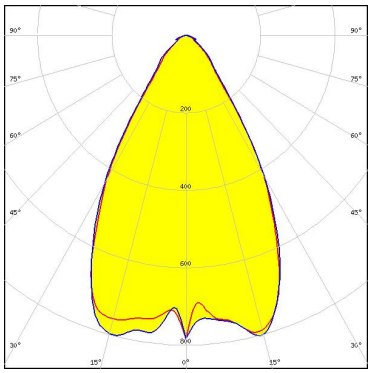


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

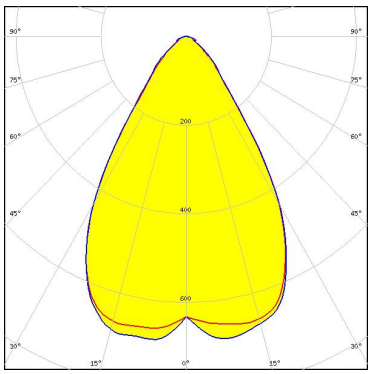
CITIZEN

LED	CLU710/711
FWHM / FWTM	61.0°
Efficiency	90 %
LEDs/each optic	1
Light colour	White
Required components:	
C13658_CLAMP-VERO13-18	
Bender Wirth: 470 Typ L1	



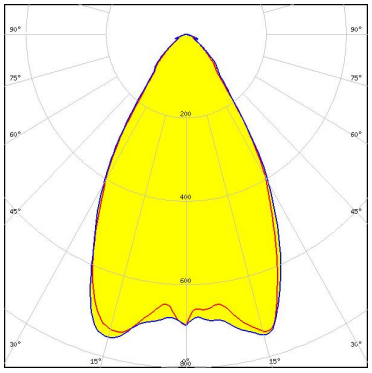
CREE LEDs

LED	CXA/B 13xx
FWHM / FWTM	65.0°
Efficiency	90 %
LEDs/each optic	1
Light colour	White
Required components:	
C13658_CLAMP-VERO13-18	
Bender Wirth: 448 Typ L1	



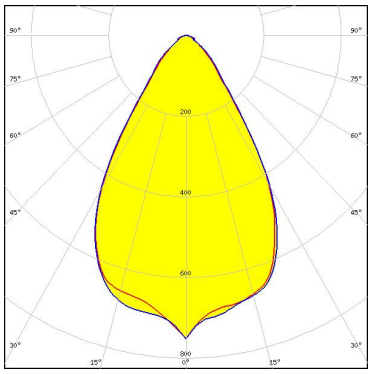
CREE LEDs

LED	CXA/B 15xx
FWHM / FWTM	62.0°
Efficiency	89 %
LEDs/each optic	1
Light colour	White
Required components:	
C13658_CLAMP-VERO13-18	
Bender Wirth: 441 Typ L1	



LUMILEDS

LED	LUXEON CoB 1202s
FWHM / FWTM	61.0°
Efficiency	90 %
LEDs/each optic	1
Light colour	White
Required components:	
C13658_CLAMP-VERO13-18	
Bender Wirth: 452 Typ L1	



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

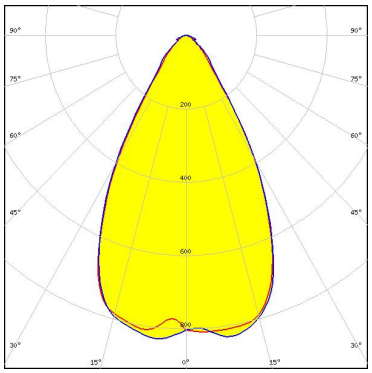
OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NSCxL036A
FWHM / FWTM	58.0° / 88.0 + 94.0°
Efficiency	89 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



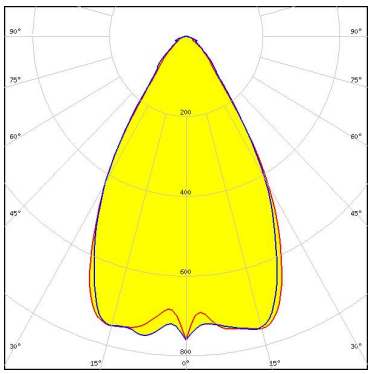
SHARP

LED	Mini Zenigata (GW6BM)
FWHM / FWTM	60.0°
Efficiency	%
LEDs/each optic	1
Light colour	White

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 452 Typ L1



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

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

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.