OLGA-RS

~9° spot beam with flange. Optimized for high-power 3535 size LED packages.



SPECIFICATION:

Dimensions	Ø 29.7 mm
Height	18.4 mm
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length
OLGA-RS	Single lens	PMMA	clear		29.7

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16671_OLGA-RS » Box size: 476 x 273 x 292 mm	792	132	66	7.3

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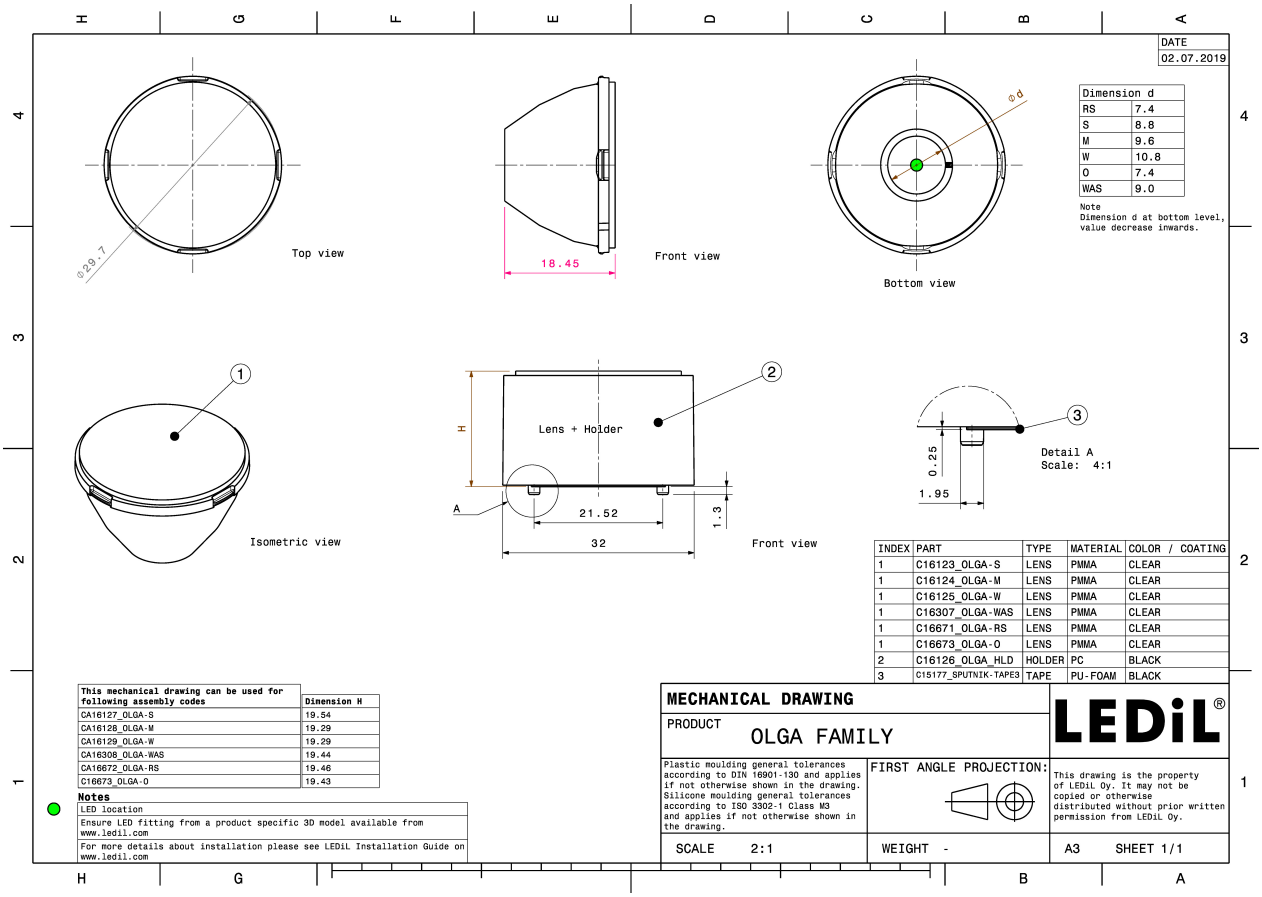

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C16123_OLGA-S	LENS	PMMA	CLEAR
1	C16124_OLGA-M	LENS	PMMA	CLEAR
1	C16125_OLGA-W	LENS	PMMA	CLEAR
1	C16307_OLGA-WAS	LENS	PMMA	CLEAR
1	C16671_OLGA-RS	LENS	PMMA	CLEAR
1	C16673_OLGA-O	LENS	PMMA	CLEAR
2	C16126_OLGA_HLD	HOLDER	PC	BLACK
3	C15177_SPUTNIK-TAPE3	TAPE	PU-FOAM	BLACK

This mechanical drawing can be used for following assembly codes	Dimension H
CA16127_OLGA-S	19.54
CA16128_OLGA-M	19.29
CA16129_OLGA-W	19.29
CA16308_OLGA-WAS	19.44
CA16672_OLGA-RS	19.46
C16673_OLGA-O	19.43

Notes

- 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

MECHANICAL DRAWING

PRODUCT OLGA FAMILY

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 2:1 | WEIGHT - | A3 SHEET 1/1

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

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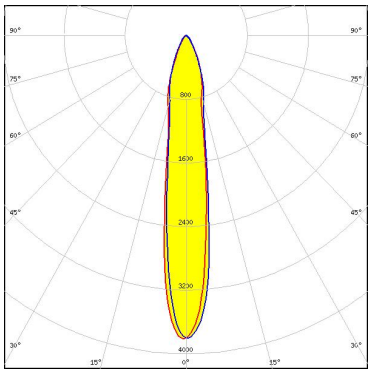
OPTICAL RESULTS (MEASURED):

bridgelux

LED	Vesta TW 6mm DP
FWHM / FWTM	16.0° / 51.0°
Efficiency	85 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



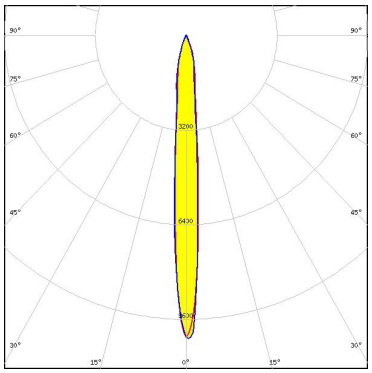


Light distribution files

CITIZEN

LED	CLU7B2
FWHM / FWTM	9.0° / 31.0°
Efficiency	84 %
Peak intensity	10.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

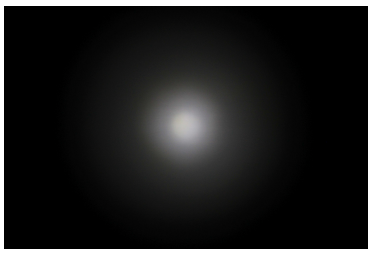


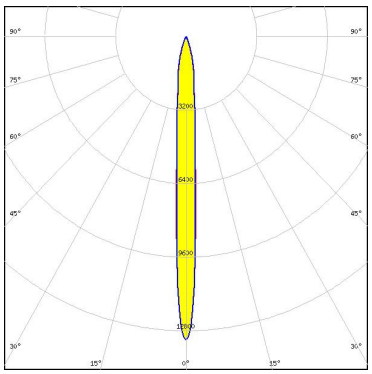


Light distribution files

CITIZEN

LED	CLU7L3
FWHM / FWTM	7.0° / 29.0°
Efficiency	89 %
Peak intensity	13.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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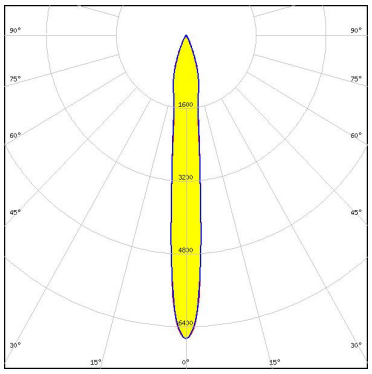
OPTICAL RESULTS (MEASURED):

CITIZEN

LED	CLU7R3
FWHM / FWTM	12.0° / 41.0°
Efficiency	87 %
Peak intensity	6.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



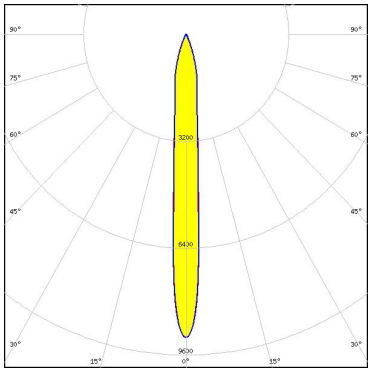


Light distribution files

CITIZEN

LED	CLU7S3
FWHM / FWTM	10.0° / 37.0°
Efficiency	93 %
Peak intensity	9.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



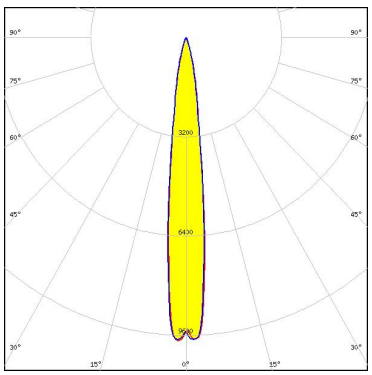


Light distribution files

CREE LEDs

LED	XHP35 HD
FWHM / FWTM	13.0° / 29.0°
Efficiency	84 %
Peak intensity	9.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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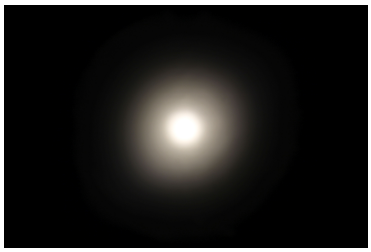
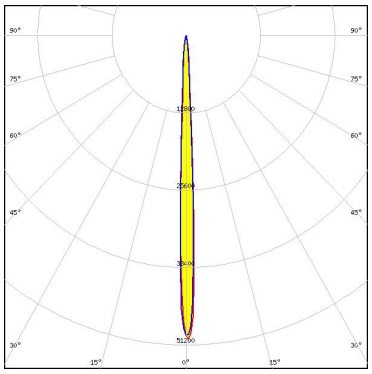
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-E2
FWHM / FWTM	5.0° / 12.0°
Efficiency	86 %
Peak intensity	50.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



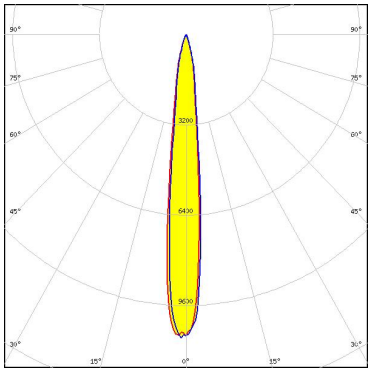


Light distribution files

CREE LEDs

LED	XP-L2
FWHM / FWTM	12.0° / 29.0°
Efficiency	83 %
Peak intensity	10.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

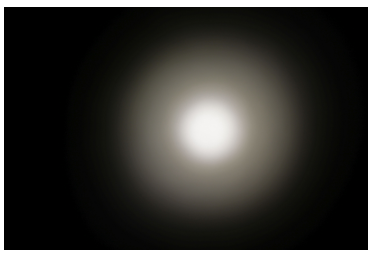


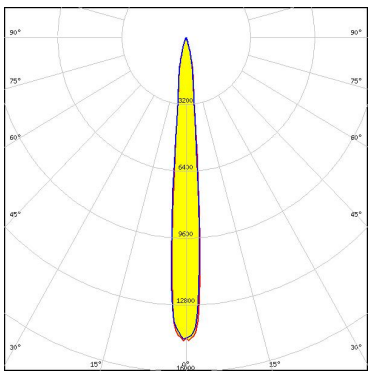


Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	10.0° / 25.0°
Efficiency	85 %
Peak intensity	14.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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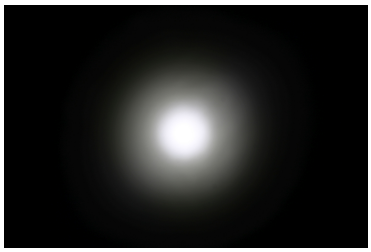
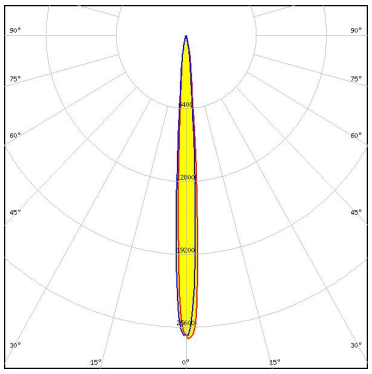
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	7.0° / 17.0°
Efficiency	86 %
Peak intensity	26.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

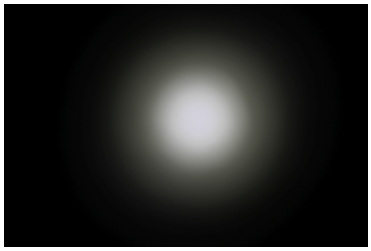


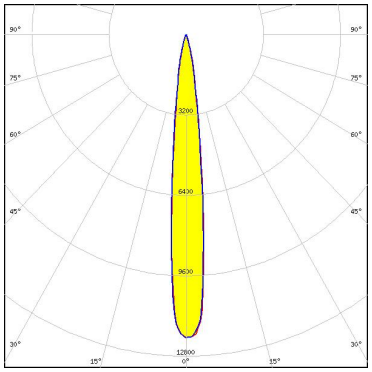


Light distribution files

SAMSUNG

LED	LH351D
FWHM / FWTM	12.0° / 26.0°
Efficiency	86 %
Peak intensity	12.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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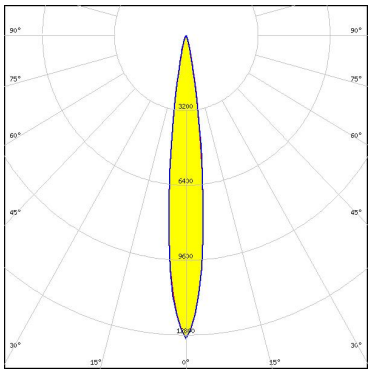
OPTICAL RESULTS (SIMULATED):

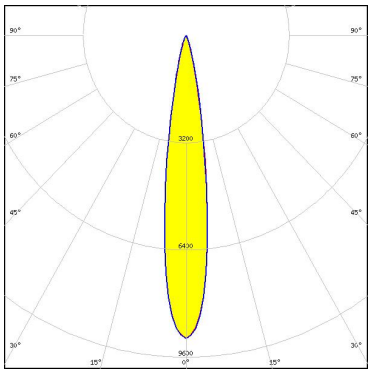
bridgelux

LED	V3 HD Gen 8
FWHM / FWTM	14.0° / 26.0°
Efficiency	96 %
Peak intensity	13 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



bridgelux

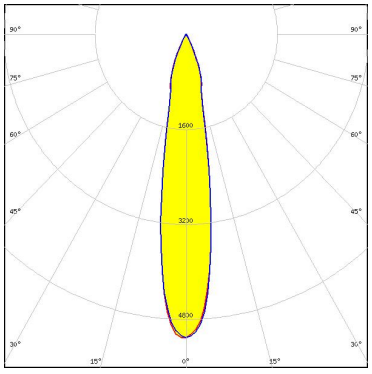
LED	V4 HD Gen 7
FWHM / FWTM	16.0° / 31.0°
Efficiency	96 %
Peak intensity	9.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

bridgelux

LED	V6 HD Gen 7
FWHM / FWTM	18.0° / 46.0°
Efficiency	93 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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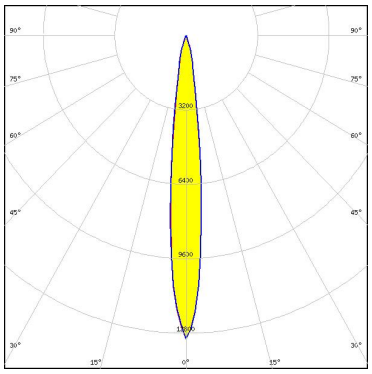
OPTICAL RESULTS (SIMULATED):

CITIZEN

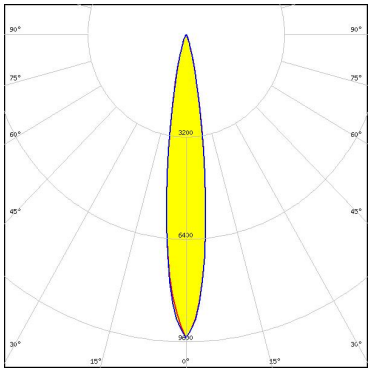
LED	CLU7A2/7A3
FWHM / FWTM	12.0° / 27.0°
Efficiency	91 %
Peak intensity	13 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

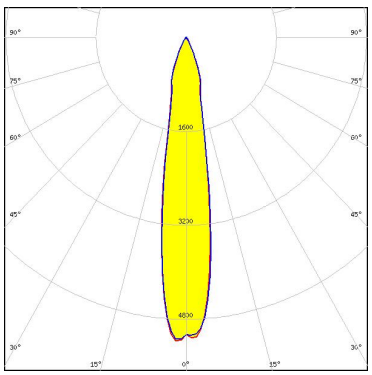
LED	CMA1303
FWHM / FWTM	16.0° / 30.0°
Efficiency	95 %
Peak intensity	9.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	CXA/B 13xx
FWHM / FWTM	18.0° / 45.0°
Efficiency	89 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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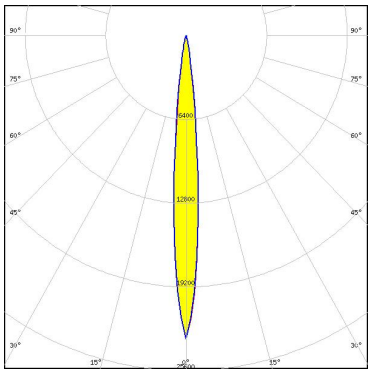
OPTICAL RESULTS (SIMULATED):

CREE LEDs

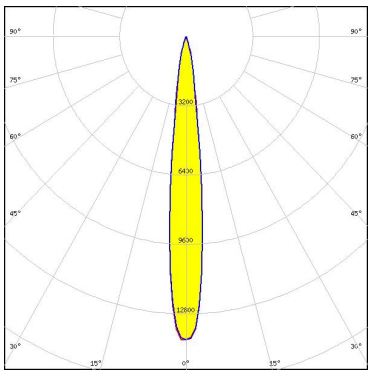
LED	XHP35 HI
FWHM / FWTM	10.0° / 20.0°
Efficiency	96 %
Peak intensity	23.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

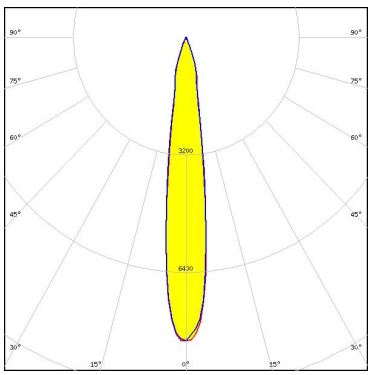
LED	CXM-3
FWHM / FWTM	12.0° / 26.0°
Efficiency	96 %
Peak intensity	14 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

LED	CXM-4
FWHM / FWTM	14.0° / 38.0°
Efficiency	96 %
Peak intensity	8.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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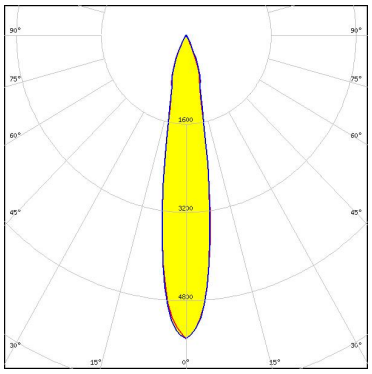
OPTICAL RESULTS (SIMULATED):

XICATO

LED	XOB 6 mm
FWHM / FWTM	18.0° / 46.0°
Efficiency	94 %
Peak intensity	5.5 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.

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.

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