ANNA-40-7-S

~15° spot beam with 7 optics

SPECIFICATION:

Dimensions	Ø 40.0 mm
Height	10.7 mm
Fastening	pin
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length
ANNA-40-7-S	Multi-lens	PMMA	clear		40.0

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13483_ANNA-40-7-S » Box size: 480 x 280 x 300 mm	760	120	40	8.2

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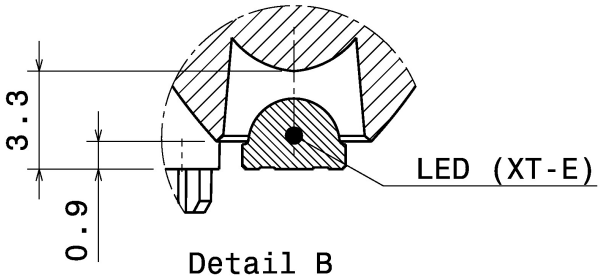
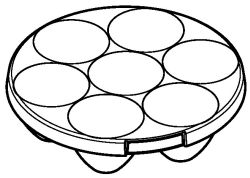
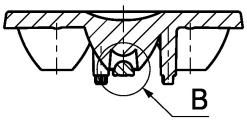


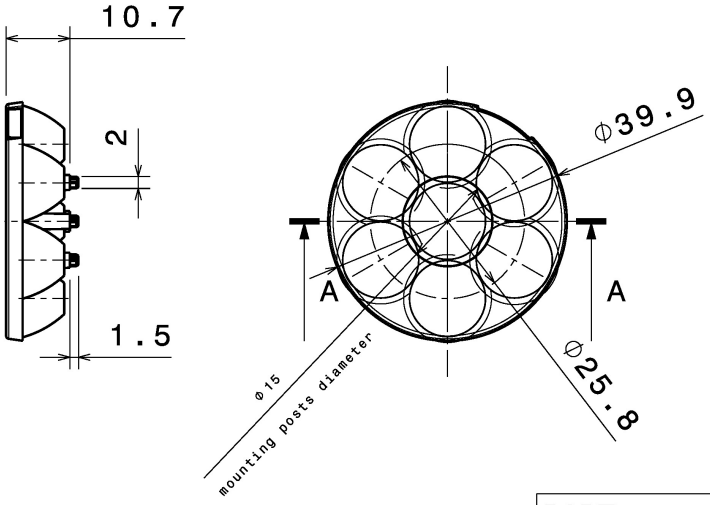
Detail B
Scale: 5:1



Isometric view
Scale: 1:1



Section view A-A
Scale: 1:1



PART	TYPE	MATERIAL
ANNA-40-7-series_	lens	PMMA

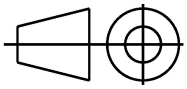
PRODUCTION DRAWING

FAMILY ANNA

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 3302-1:2014(E)-M2 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:



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SCALE 1:1 | WEIGHT - | A4 SHEET 1/1

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

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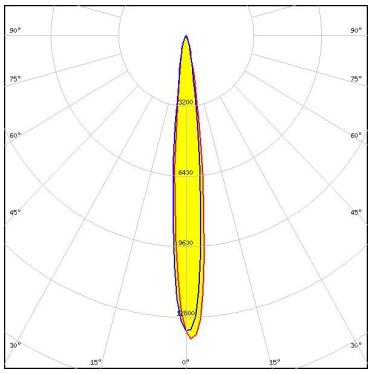
OPTICAL RESULTS (MEASURED):

CREE LEDs

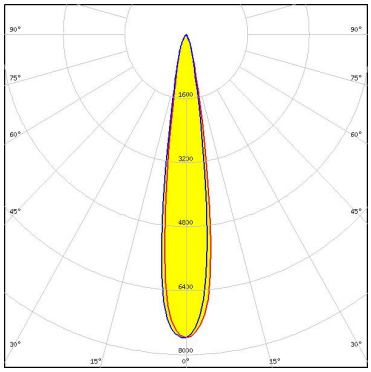
LED	XP-E2
FWHM / FWTM	12.0° / 24.5°
Efficiency	87 %
Peak intensity	13.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

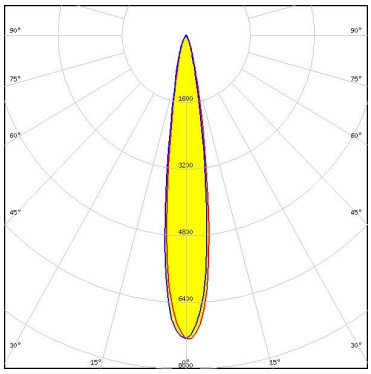
LED	XP-G2
FWHM / FWTM	17.0° / 33.0°
Efficiency	91 %
Peak intensity	7.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XT-E
FWHM / FWTM	16.0° / 33.0°
Efficiency	89 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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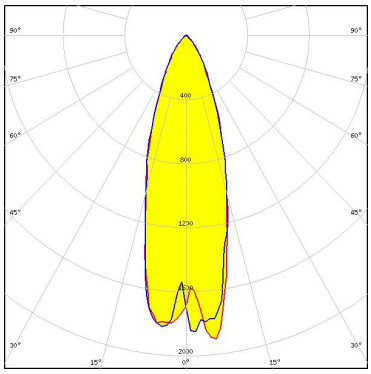
OPTICAL RESULTS (SIMULATED):

bridgelux

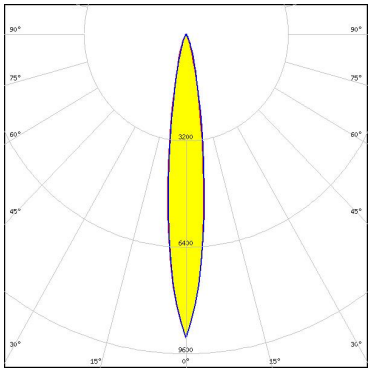
LED	SM4
FWHM / FWTM	33.0° / 66.0°
Efficiency	87 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

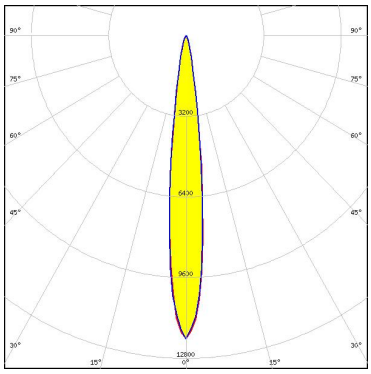
LED	J Series 2835
FWHM / FWTM	14.0° / 32.0°
Efficiency	96 %
Peak intensity	9.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XB-D
FWHM / FWTM	13.0° / 25.0°
Efficiency	90 %
Peak intensity	12 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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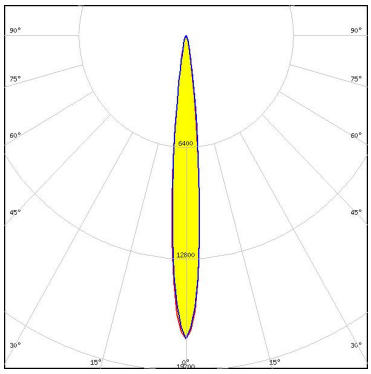
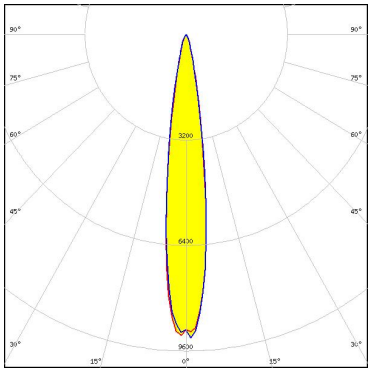
OPTICAL RESULTS (SIMULATED):

LED	XP-E
FWHM / FWTM	11.0° / 21.0°
Efficiency	93 %
Peak intensity	17.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



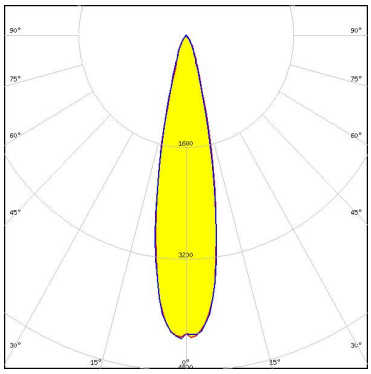
Light distribution files

LED	XP-G
FWHM / FWTM	15.0° / 30.0°
Efficiency	93 %
Peak intensity	9.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LED	XP-L HD
FWHM / FWTM	22.0° / 42.0°
Efficiency	92 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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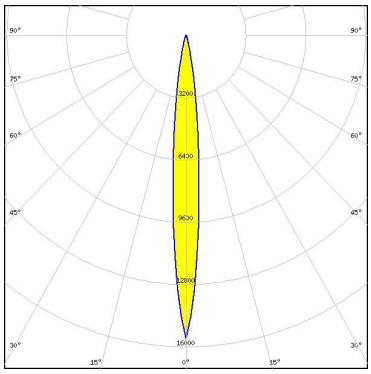
OPTICAL RESULTS (SIMULATED):

LUMILEDS

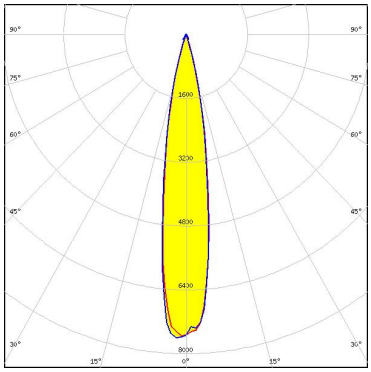
LED	LUXEON HL1Z
FWHM / FWTM	10.0° / 24.0°
Efficiency	97 %
Peak intensity	15.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

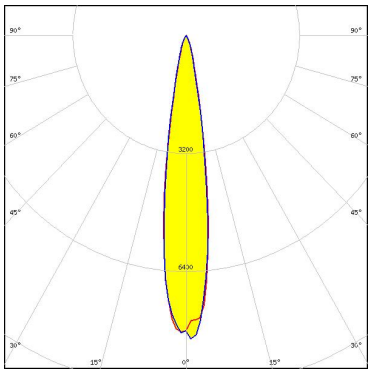
LED	LUXEON PWT
FWHM / FWTM	17.0° / 32.0°
Efficiency	88 %
Peak intensity	7.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON T
FWHM / FWTM	17.0° / 31.0°
Efficiency	92 %
Peak intensity	8.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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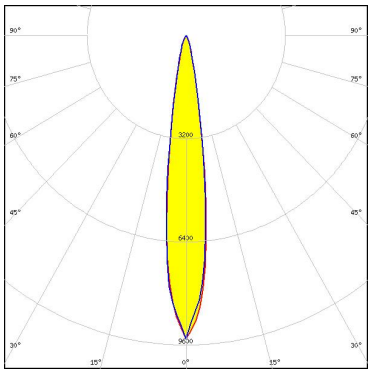
OPTICAL RESULTS (SIMULATED):

LUMILEDS

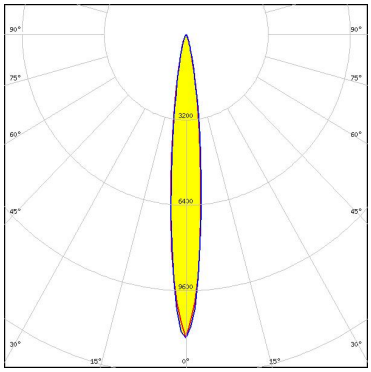
LED	LUXEON TX
FWHM / FWTM	15.0° / 29.0°
Efficiency	93 %
Peak intensity	9.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

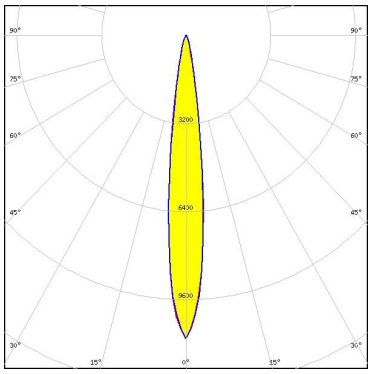
LED	NCSxx19A
FWHM / FWTM	17.0° / 30.0°
Efficiency	87 %
Peak intensity	7.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NCSxx19B
FWHM / FWTM	14.0° / 27.0°
Efficiency	95 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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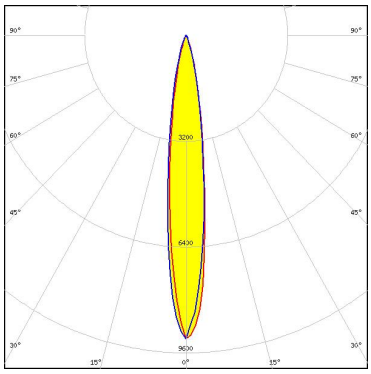
OPTICAL RESULTS (SIMULATED):

NICHIA

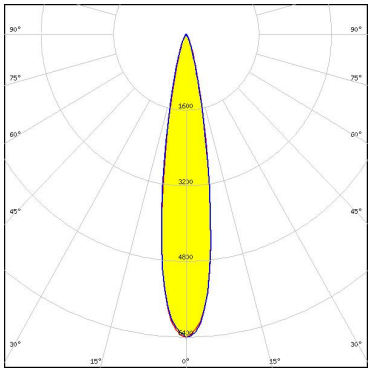
LED	NF2x757A
FWHM / FWTM	14.0° / 32.0°
Efficiency	92 %
Peak intensity	9.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

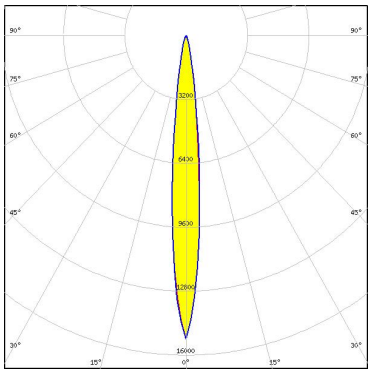
LED	NVSxx19B/NVSxx19C
FWHM / FWTM	18.0° / 35.0°
Efficiency	92 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	10.0° / 24.0°
Efficiency	95 %
Peak intensity	15.2 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	



Light distribution files

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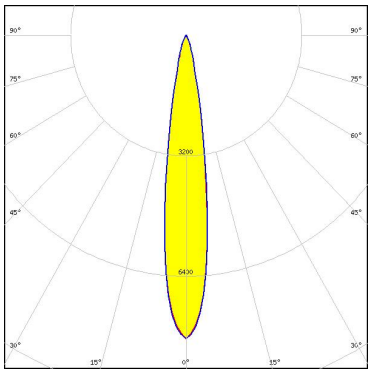
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

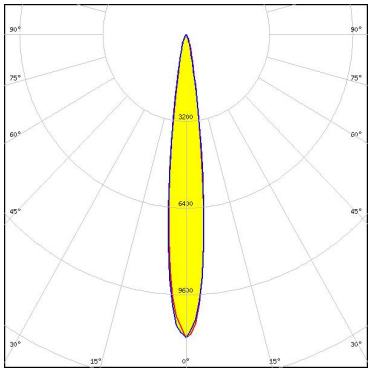
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	16.0° / 32.0°
Efficiency	95 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

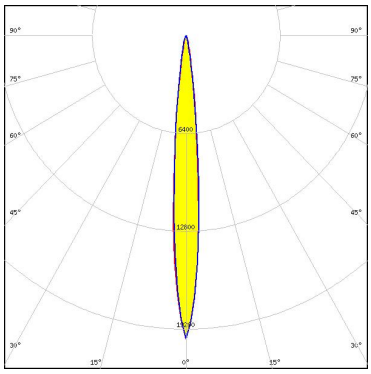
LED	OSLON Square EC
FWHM / FWTM	13.0° / 27.0°
Efficiency	92 %
Peak intensity	11.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	10.0° / 21.0°
Efficiency	92 %
Peak intensity	19.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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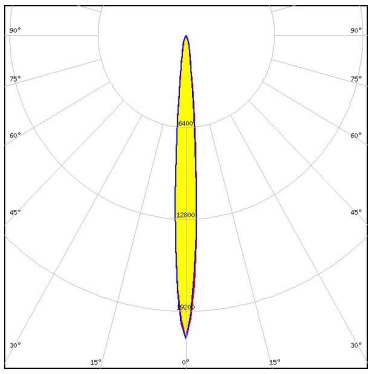
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

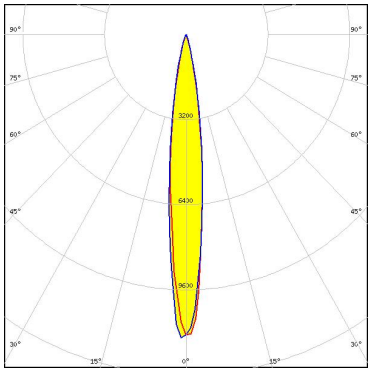
LED	OSLON SSL 80
FWHM / FWTM	8.0° / 19.0°
Efficiency	%
Peak intensity	21.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

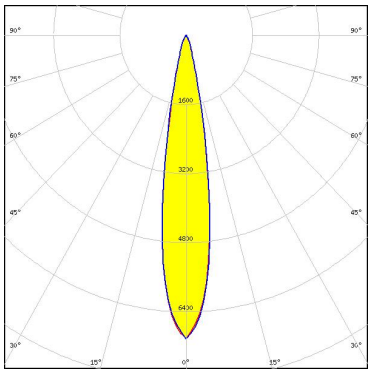
LED	SFH 4715S
FWHM / FWTM	13.0° / 28.0°
Efficiency	90 %
Peak intensity	11.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH351B
FWHM / FWTM	18.0° / 32.0°
Efficiency	95 %
Peak intensity	7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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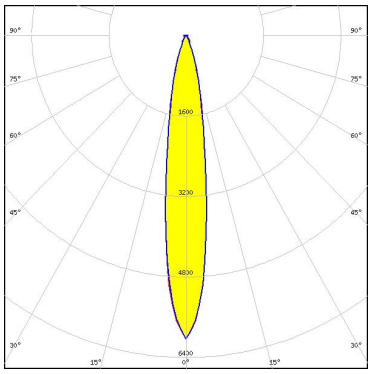
OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

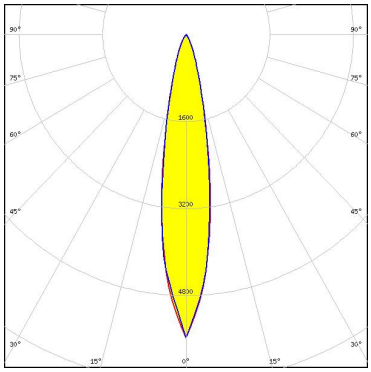
LED	Z8Y22
FWHM / FWTM	16.0° / 38.0°
Efficiency	95 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

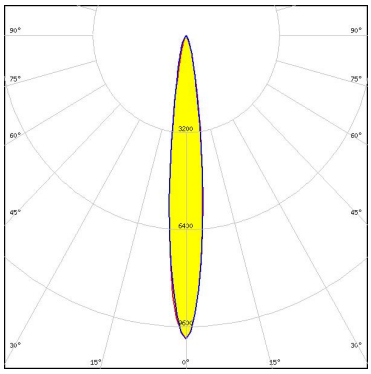
LED	Z8Y22P
FWHM / FWTM	18.0°
Efficiency	90 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SHARP

LED	Double Dome (GM2BB)
FWHM / FWTM	13.0° / 29.0°
Efficiency	89 %
Peak intensity	10 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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where_to_buy

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