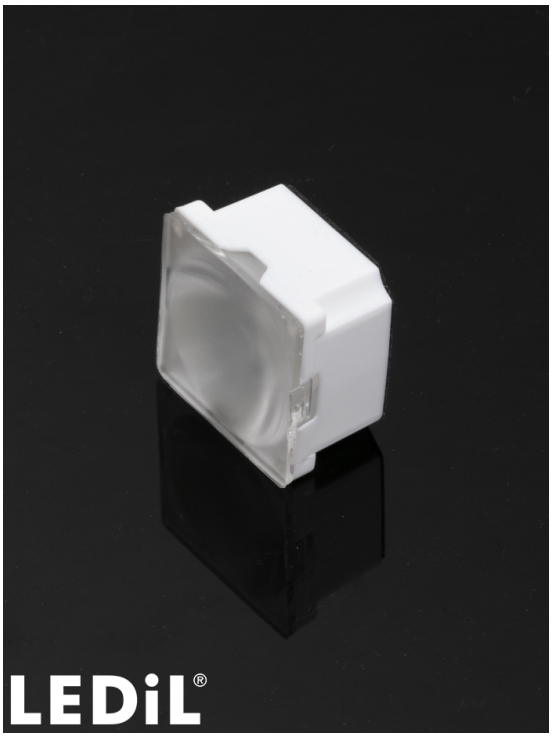
G2-LAURA-D-P

~13° diffused spot beam. Assembly with thinner white holder, installation tape and location pins.



TECHNICAL SPECIFICATIONS:

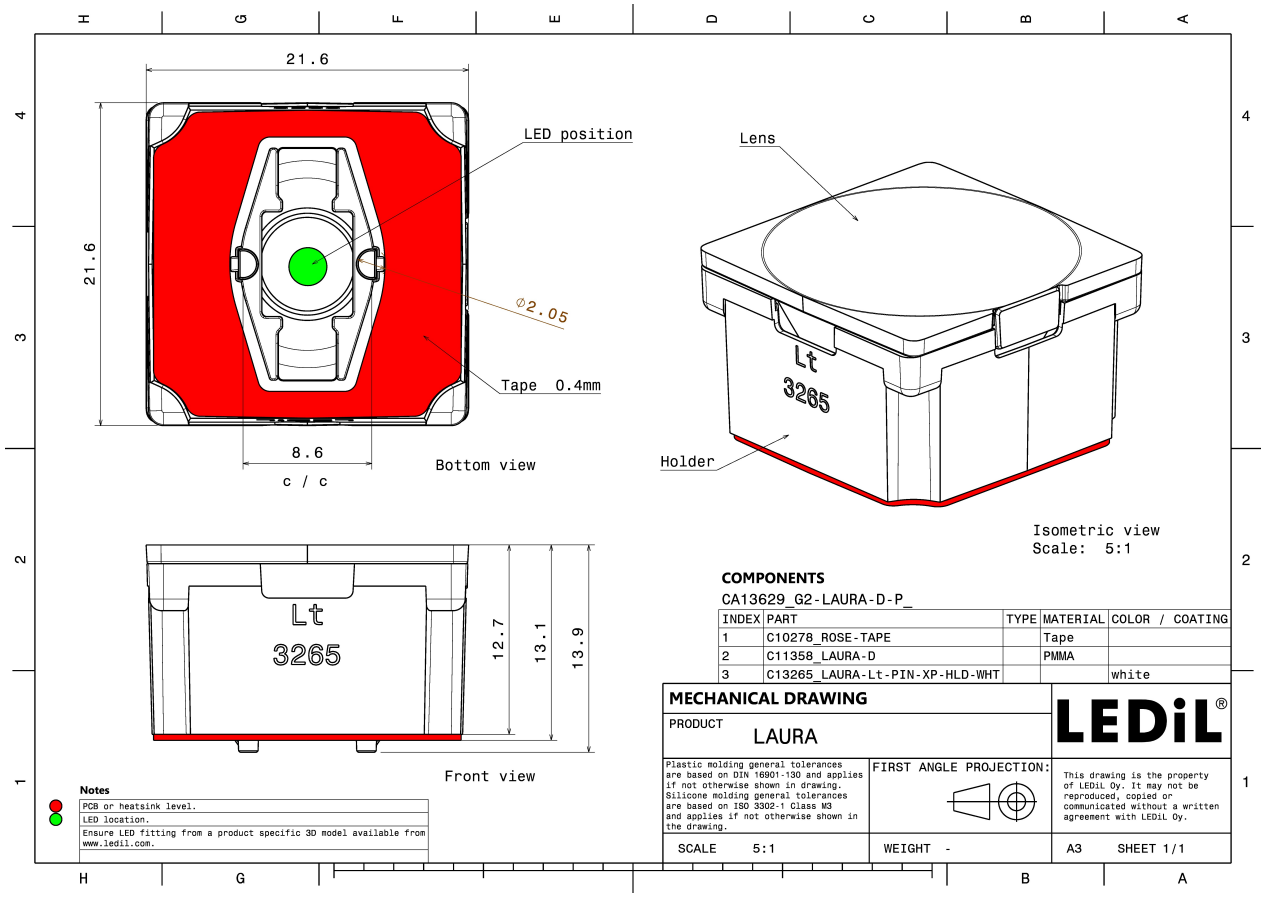
Dimensions	21.6 x 21.6 mm
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LAURA-D	Single lens	PMMA	clear	
LAURA-LT-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Tape	PU tape	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13629_G2-LAURA-D-P » Box size: 451 x 254 x 152 mm	Single lens	1440	360	180	5.9



COMPONENTS

CA13629_G2-LAURA-D-P_

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C10278_ROSE-TAPE		Tape	
2	C11358_LAURA-D		PMMA	
3	C13265_LAURA-Lt-PIN-XP-HLD-WHT			white

MECHANICAL DRAWING

PRODUCT: LAURA

Plastic molding general tolerances are based on DIN 16901-130 and applies if not otherwise shown in drawing. Silicone molding general tolerances are based on ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

SCALE 5:1 | WEIGHT - | A3 | SHEET 1/1

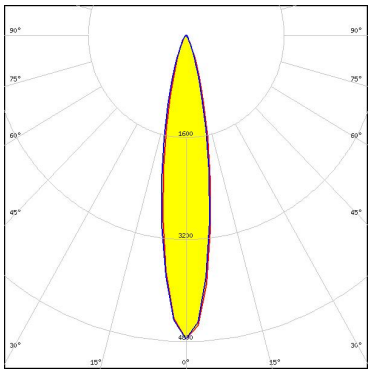
See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

CREE

LED	XB-H
FWHM / FWTM	19.0° / 41.0°
Efficiency	83 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



CREE

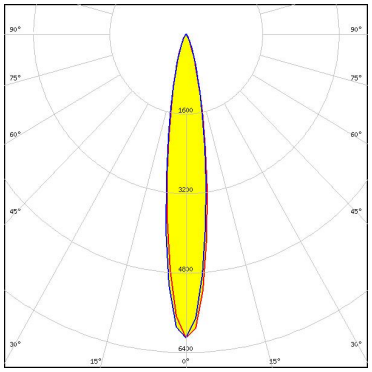
LED	XP-E
FWHM / FWTM	13.0° / 31.0°
Efficiency	93 %
Peak intensity	9.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

CREE

LED	XP-E2
FWHM / FWTM	16.0° / 37.0°
Efficiency	83 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour	White

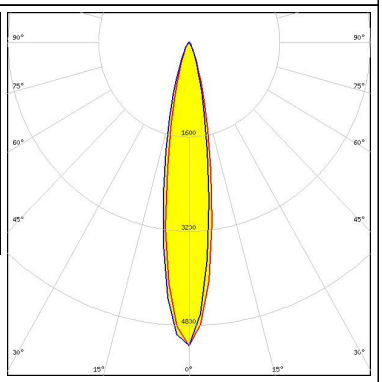
Required components:



CREE

LED	XP-G2
FWHM / FWTM	19.0° / 40.0°
Efficiency	83 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour	White

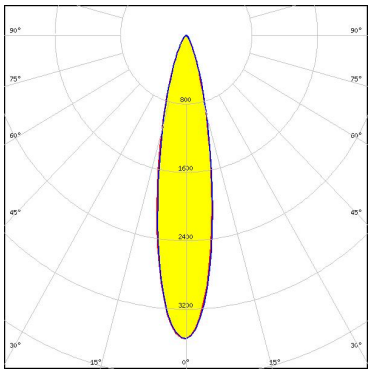
Required components:



PHOTOMETRIC DATA (MEASURED):

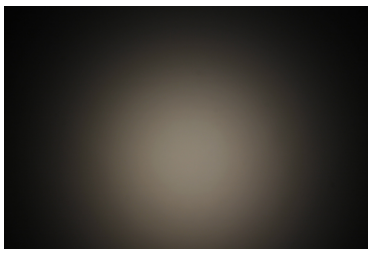
CREE

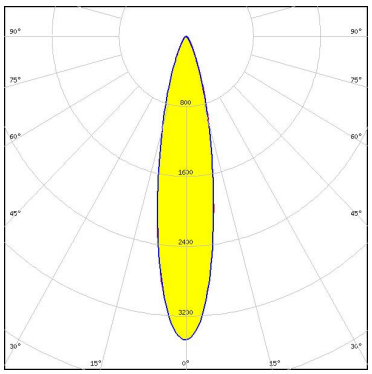
LED	XP-L HD
FWHM / FWTM	21.0° / 45.0°
Efficiency	81 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

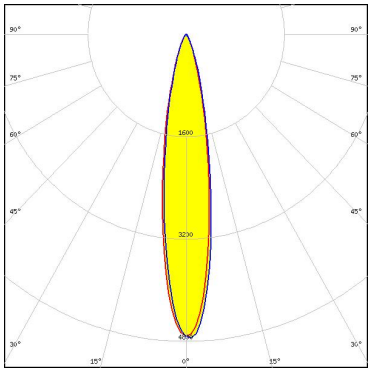
LED	XP-L2
FWHM / FWTM	22.0° / 48.0°
Efficiency	84 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





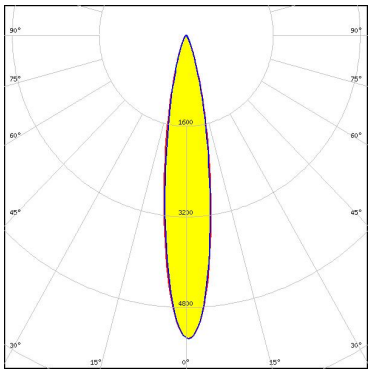
CREE

LED	XT-E
FWHM / FWTM	19.0° / 41.0°
Efficiency	82 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

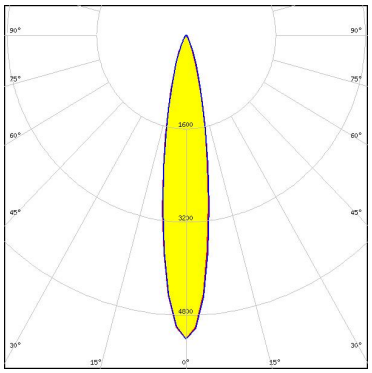
LED	LUXEON 3030 2D (Round LES)
FWHM / FWTM	18.0° / 38.0°
Efficiency	87 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

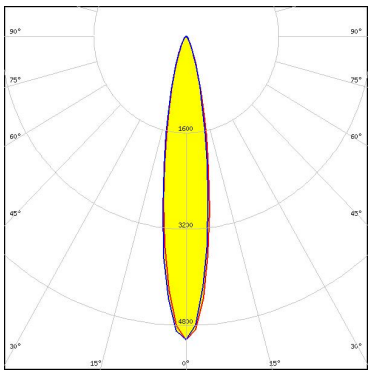
LUMILEDS

LED	LUXEON TX
FWHM / FWTM	18.0° / 40.0°
Efficiency	86 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



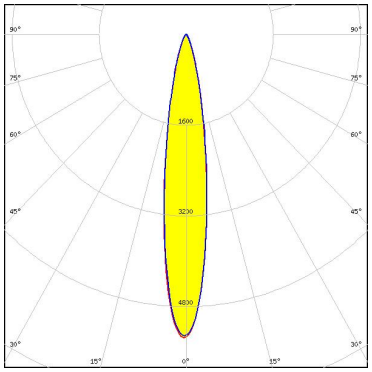
NICHIA

LED	NCSxx19A
FWHM / FWTM	19.0° / 41.0°
Efficiency	87 %
Peak intensity	5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



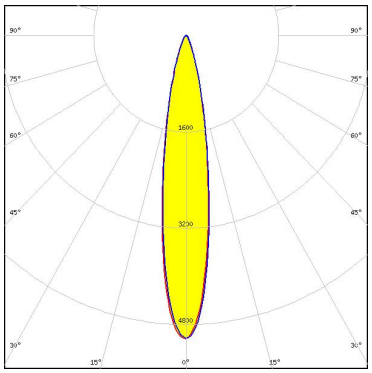
NICHIA

LED	NCSxx19B
FWHM / FWTM	17.0° / 38.0°
Efficiency	83 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

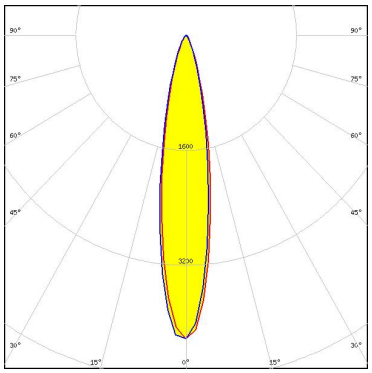
LED	NVSW219D
FWHM / FWTM	18.0° / 40.0°
Efficiency	94 %
Peak intensity	5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NVSxx19A
FWHM / FWTM	20.0° / 43.0°
Efficiency	81 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

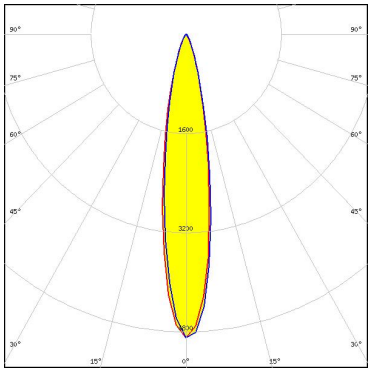


NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	19.0° / 42.0°
Efficiency	83 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

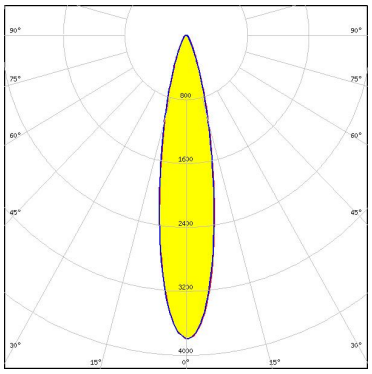
OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	19.0° / 40.0°
Efficiency	82 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LH351D
FWHM / FWTM	21.0° / 46.0°
Efficiency	93 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

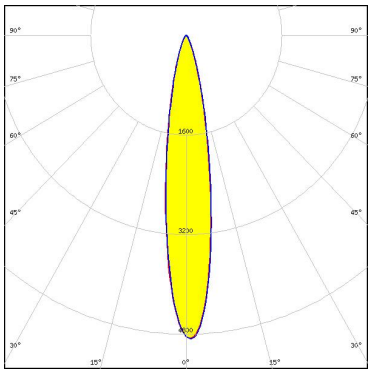


PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	18.0° / 39.0°
Efficiency	83 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour	White

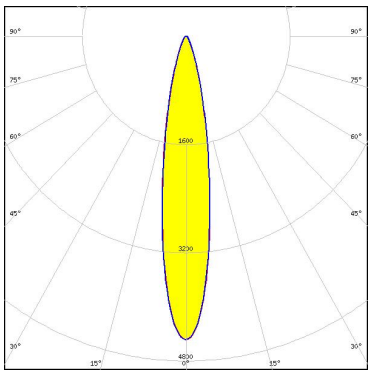
Required components:



SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	19.0° / 42.0°
Efficiency	93 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour	White

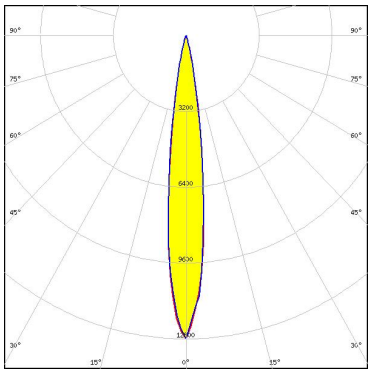
Required components:



PHOTOMETRIC DATA (SIMULATED):

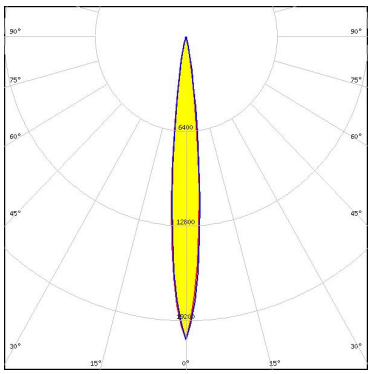
CREE

LED	XHP35 HI
FWHM / FWTM	14.0° / 26.0°
Efficiency	94 %
Peak intensity	12.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



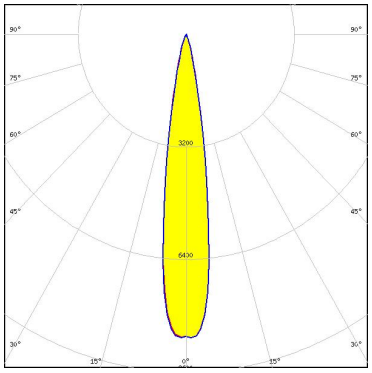
CREE

LED	XQ-E HD
FWHM / FWTM	10.8° / 21.2°
Efficiency	94 %
Peak intensity	20.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



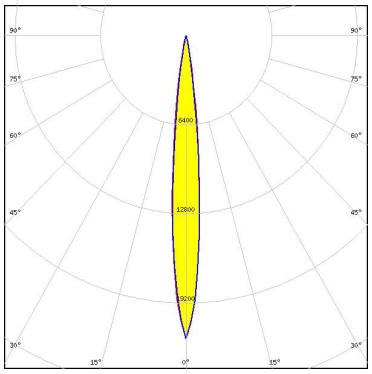
NICHIA

LED	NS9x383
FWHM / FWTM	16.0° / 30.0°
Efficiency	94 %
Peak intensity	8.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

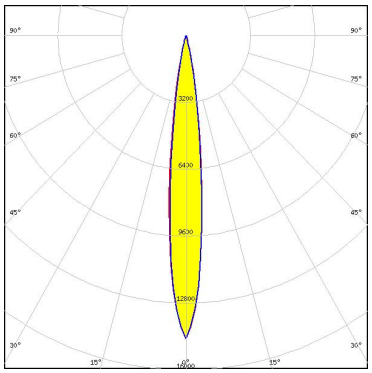
LED	KW CULPM1.TG
FWHM / FWTM	10.0° / 20.0°
Efficiency	96 %
Peak intensity	21.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

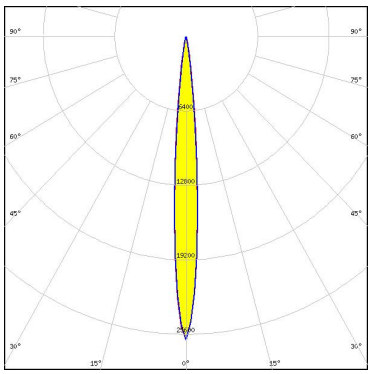
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	12.0° / 25.0°
Efficiency	96 %
Peak intensity	14.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



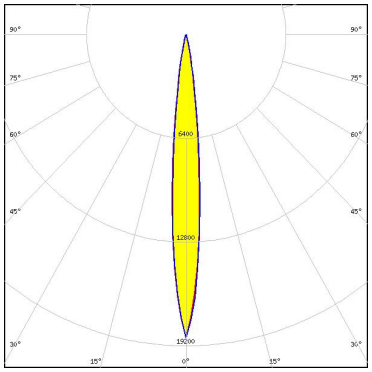
OSRAM
Opto Semiconductors

LED	OSLON Square Flat
FWHM / FWTM	9.0° / 19.0°
Efficiency	94 %
Peak intensity	26.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



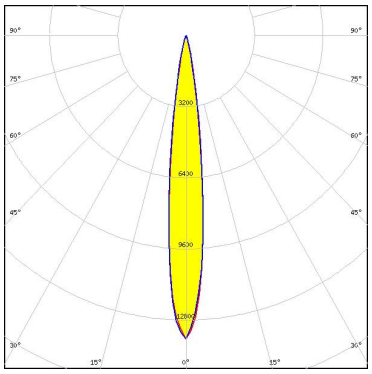
OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	10.0° / 22.0°
Efficiency	95 %
Peak intensity	18.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	13.0° / 25.0°
Efficiency	97 %
Peak intensity	13.6 cd/lm
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.

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