DALINE-10-WAS

Asymmetric beam for wall-washing

SPECIFICATION:

Dimensions	139.5 x 9.4
Height	5.3 mm
ROHS compliant	yes

MATERIALS:

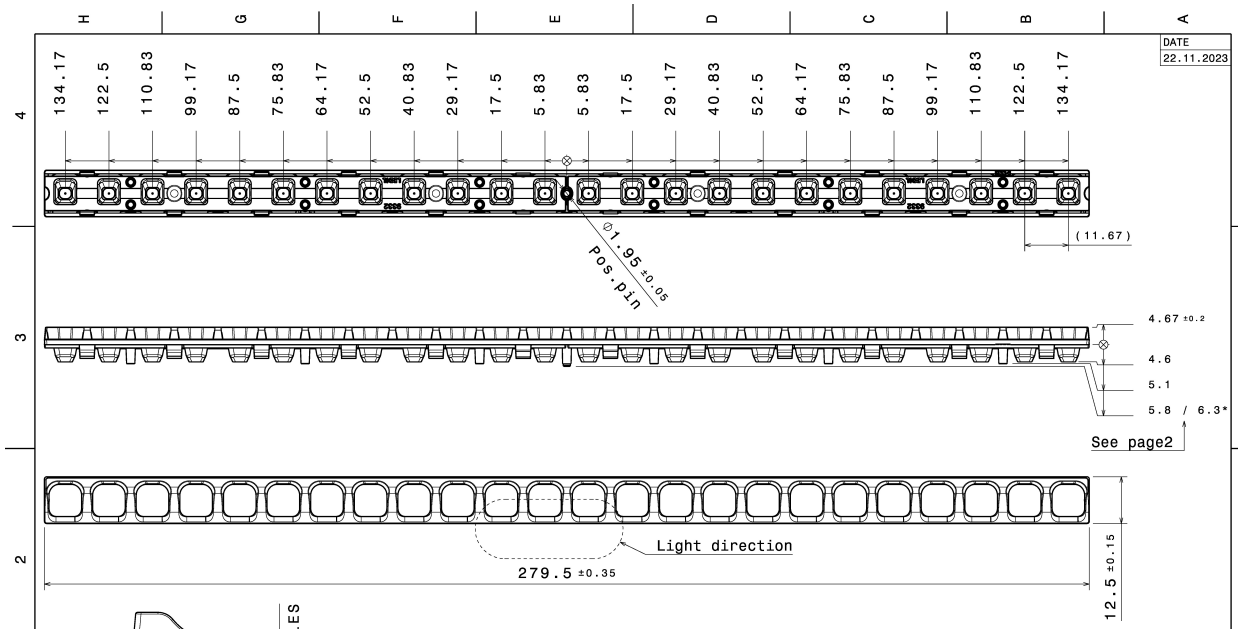
Component	Type	Material	Colour	Finish	Length (mm)
DALINE-10-WAS	Linear lens	PMMA	clear		
DALINE-10-SHD2-WAS-WHT-MATT	Shade	PC	white	matt	
DALINE-10-SHD2-WAS-MATT	Shade	PC	black	matt	
DALINE-10-SHD1-WAS-WHT-MATT	Shade	PC	white	matt	
DALINE-10-SHD1-WAS-MATT	Shade	PC	black	matt	

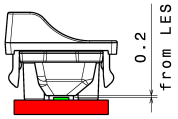
ORDERING INFORMATION:

Quantities for one set:

Linear lens	2
Shade	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C19332_DALINE-10-WAS » Box size: 480 x 280 x 300 mm	Linear lens	1560	52	52	8.3
C19619_DALINE-10-SHD2-WAS-MATT » Box size: 400 x 300 x 300 mm	Shade	390	26	26	5.1
C19621_DALINE-10-SHD2-WAS-WHT-MATT » Box size: 400 x 300 x 300 mm	Shade	390	26	26	5.0
C19334_DALINE-10-SHD1-WAS-MATT » Box size: 400 x 300 x 300 mm	Shade	390	26	26	4.9
C19510_DALINE-10-SHD1-WAS-WHT-MATT » Box size: 400 x 300 x 300 mm	Shade	390	26	26	5.1



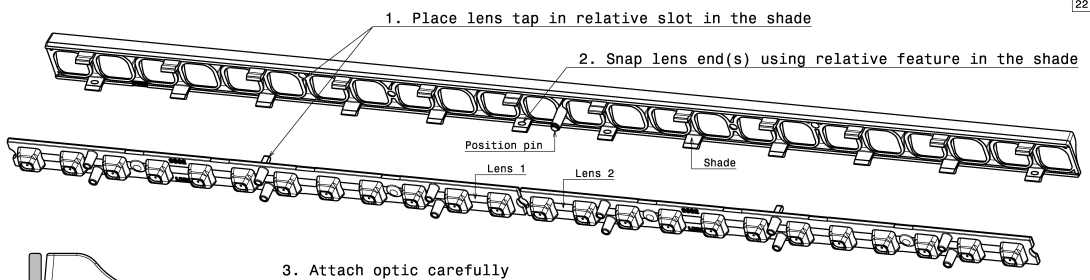


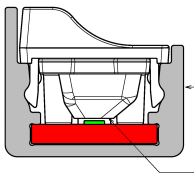
Typical LED position

Notes

	PCB or heatsink level.
	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

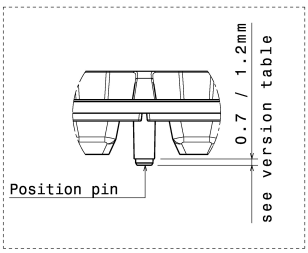
MECHANICAL DRAWING		LEDiL
PRODUCT DALINE-10-WAS		
Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.	FIRST ANGLE PROJECTION:	This drawing is the property of LEDiL Oy. It may not be copied or otherwise distributed without prior written permission from LEDiL Oy.
SCALE 1:1	WEIGHT -	A3 SHEET 1/1





3. Attach optic carefully and evenly in rail profile, note position pin location on the center.

Ensure there's gap between LED and lens for fluent assembly result.



PART	Qty	Position pin lenght	TYPE	MATERIAL	COLOR / COATING
C19334_DALINE-10-SHD1-WAS-MATT	1	0.7mm	Shade	PC	Black / Matt
C19510_DALINE-10-SHD1-WAS-WHT-MATT	1	0.7mm	Shade	PC	White / Matt
C19619_DALINE-10-SHD2-WAS-MATT	1	1.2mm	Shade	PC	Black / Matt
C19621_DALINE-10-SHD2-WAS-WHT-MATT	1	1.2mm	Shade	PC	White / Matt
C19332_DALINE-10-WAS	2	-	Lens	PMMA	Clear

Notes

	PCB or heatsink level.
	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		LEDiL
PRODUCT DALINE-10-WAS		
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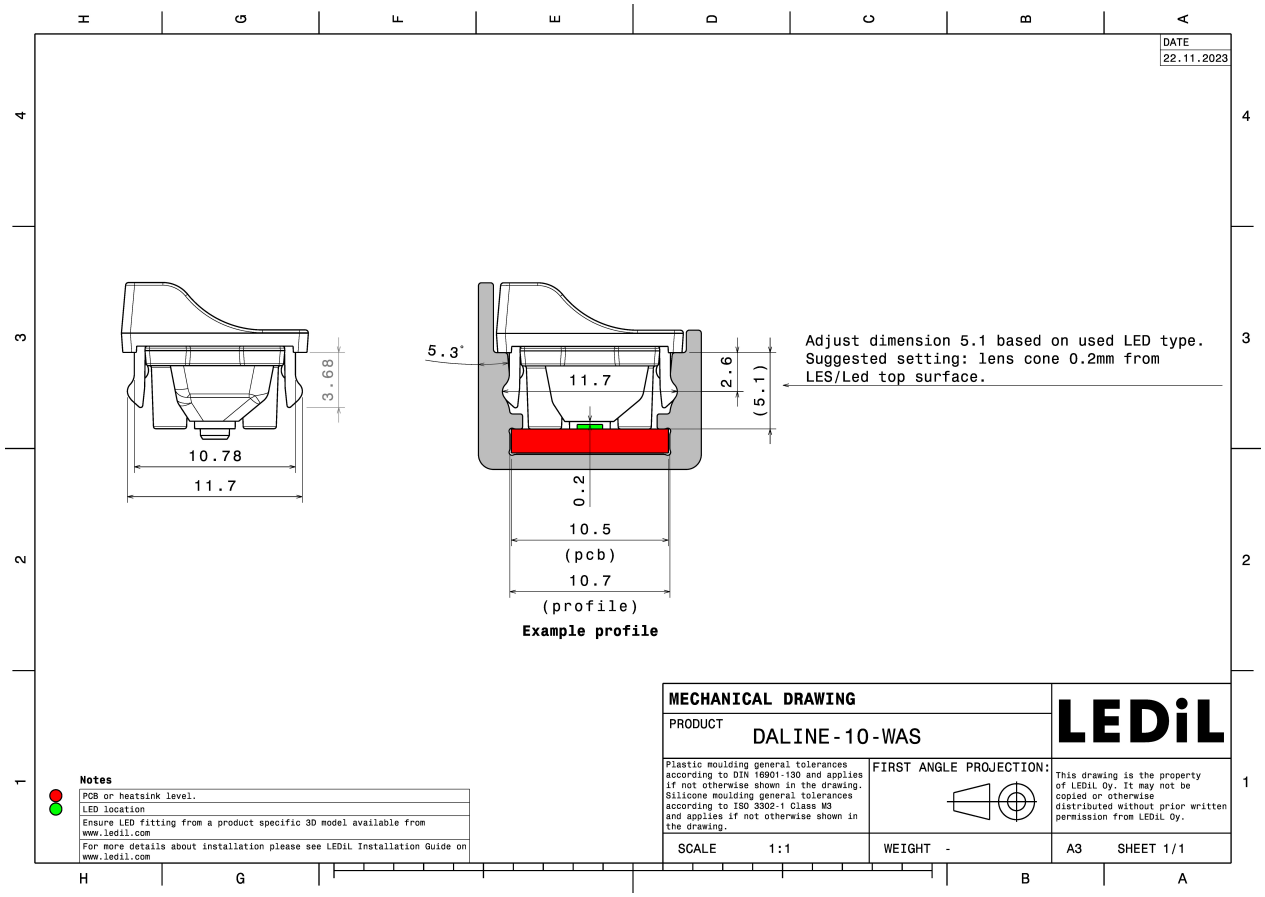
SCALE 1:1	WEIGHT -	A3 SHEET 1/1



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

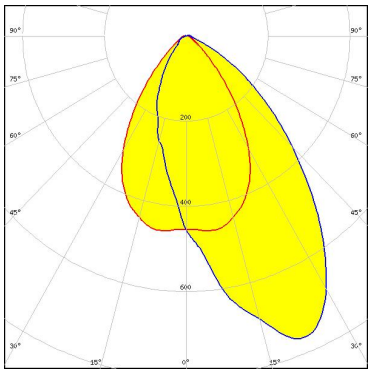
OPTICAL RESULTS (MEASURED):

MST Your solutions

LED	LinLED 279x10.5mm 1100lm 4C 36V DALINE-10 G1
FWHM / FWTM	Asymmetric
Efficiency	81 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C19621_DALINE-10-SHD2-WAS-WHT-MATT



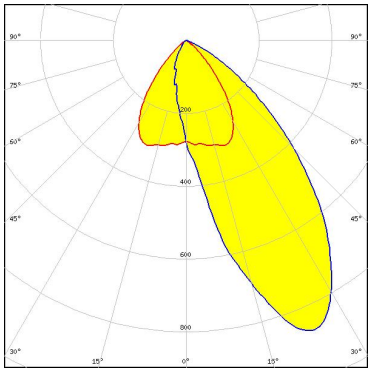
Light distribution files

SAMSUNG

LED	LM101B
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C19334_DALINE-10-SHD1-WAS-MATT

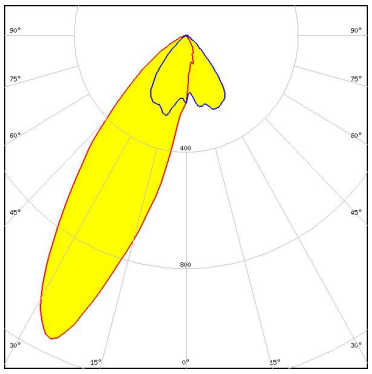


Light distribution files

OPTICAL RESULTS (SIMULATED):

bridgelux

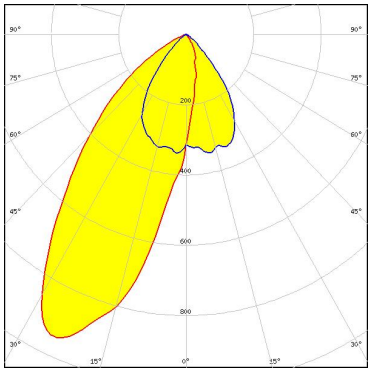
LED	CSP 1111 (BXCP)
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19334_DALINE-10-SHD1-WAS-MATT	



Light distribution files

bridgelux

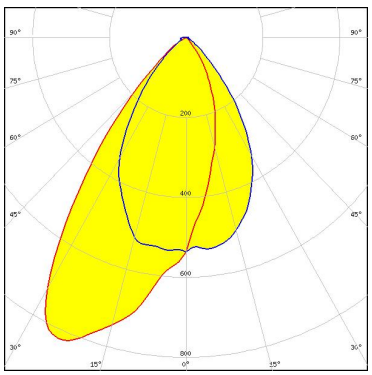
LED	CSP 1919 (BXCP)
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19334_DALINE-10-SHD1-WAS-MATT	



Light distribution files

CREE LEDs

LED	JB2835B J Class
FWHM / FWTM	Asymmetric
Efficiency	74 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19619_DALINE-10-SHD2-WAS-MATT	

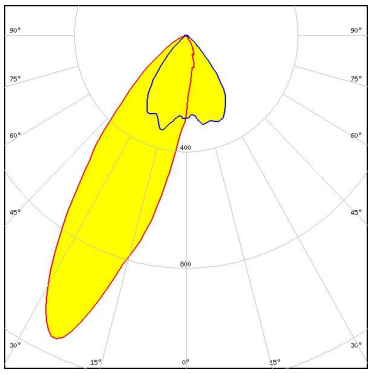


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

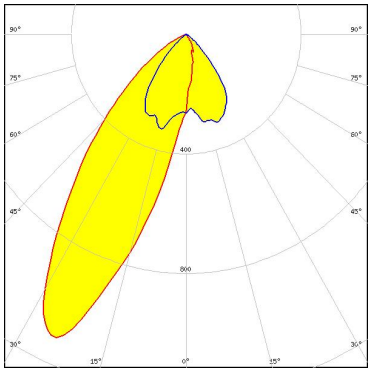
LED	XQ-E HI
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19619_DALINE-10-SHD2-WAS-MATT	



Light distribution files

LUMILEDS

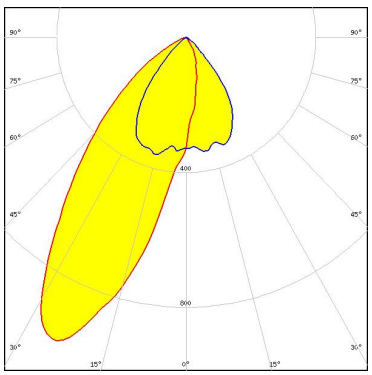
LED	LUXEON CSP HL1
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19334_DALINE-10-SHD1-WAS-MATT	



Light distribution files

LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19619_DALINE-10-SHD2-WAS-MATT	

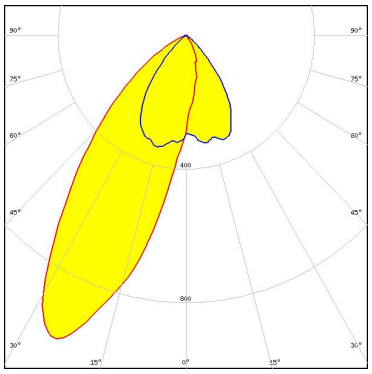


Light distribution files

OPTICAL RESULTS (SIMULATED):

NICHIA

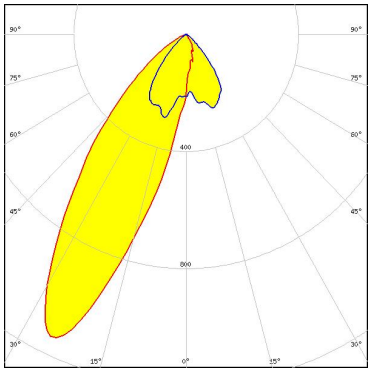
LED	NCSxE17A
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19334_DALINE-10-SHD1-WAS-MATT	



Light distribution files

NICHIA

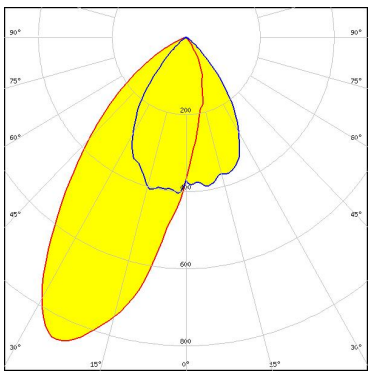
LED	NFSWE11A
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19334_DALINE-10-SHD1-WAS-MATT	



Light distribution files

NICHIA

LED	NVSxE21A
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19334_DALINE-10-SHD1-WAS-MATT	

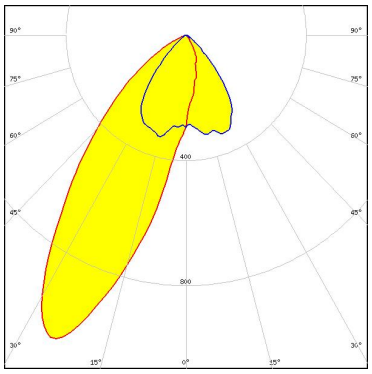


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

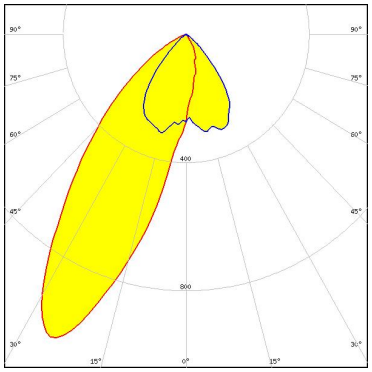
LED	LH151B
FWHM / FWTM	Asymmetric
Efficiency	82 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19510_DALINE-10-SHD1-WAS-WHT-MATT	



Light distribution files

SAMSUNG

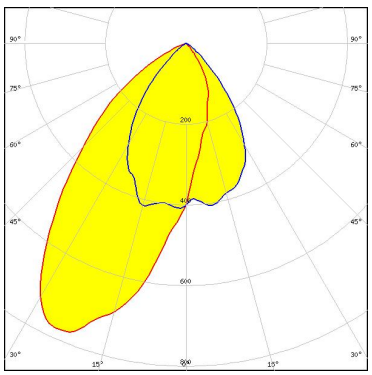
LED	LH151B
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19334_DALINE-10-SHD1-WAS-MATT	



Light distribution files

SAMSUNG

LED	LH181B
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19334_DALINE-10-SHD1-WAS-MATT	

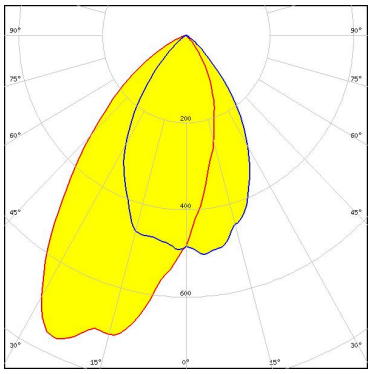


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

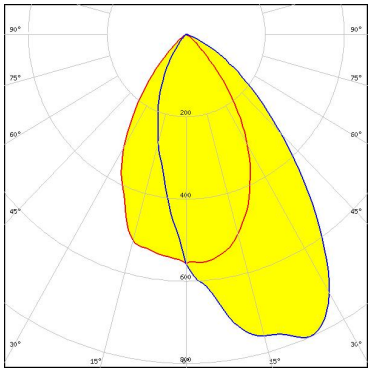
LED	LM101B
FWHM / FWTM	Asymmetric
Efficiency	74 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19334_DALINE-10-SHD1-WAS-MATT	



Light distribution files

SAMSUNG

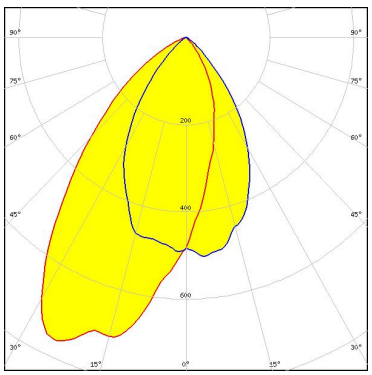
LED	LM28xB Series
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19619_DALINE-10-SHD2-WAS-MATT	



Light distribution files

SAMSUNG

LED	LM301B
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19619_DALINE-10-SHD2-WAS-MATT	



Light distribution files

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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