

# PRODUCT DATASHEET WINNIE-M

# WINNIE-M

~35° medium beam. Holder with 35 mm screw hole distance according to Zhaga standard. Compatible with Bender+Wirth 4xx Typ L5 connector.

#### **SPECIFICATION:**

Dimensions	Ø 49.8
Height	19.3 mm
Fastening	screw
ROHS compliant	yes 🛈



## **MATERIALS:**

Component	Туре	Material	Colour	Finish	Length (mm)
C14233_WINNIE-M	Single lens	PMMA	clear		
C14235_WINNIE-HOLDER	Holder	PC	white		

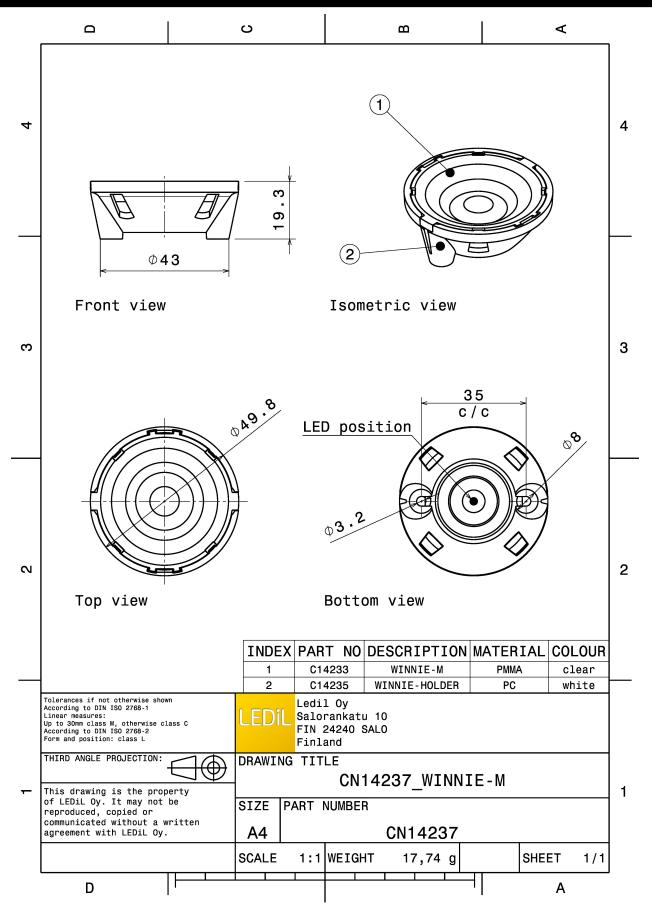
# **ORDERING INFORMATION:**

Quantities for one set:Single lens1Holder1



Component		Qty in box	MOQ	MPQ	Box weight (kg)
C14233_WINNIE-M » Box size: 480 x 280 x 300 mm	Single lens	364	84	28	6.5
C14235_WINNIE-HOLDER » Box size: 480 x 280 x 300 mm	Holder	1820	84	28	7.2

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See also our general installation guide: <u>www.ledil.com/installation\_guide</u>

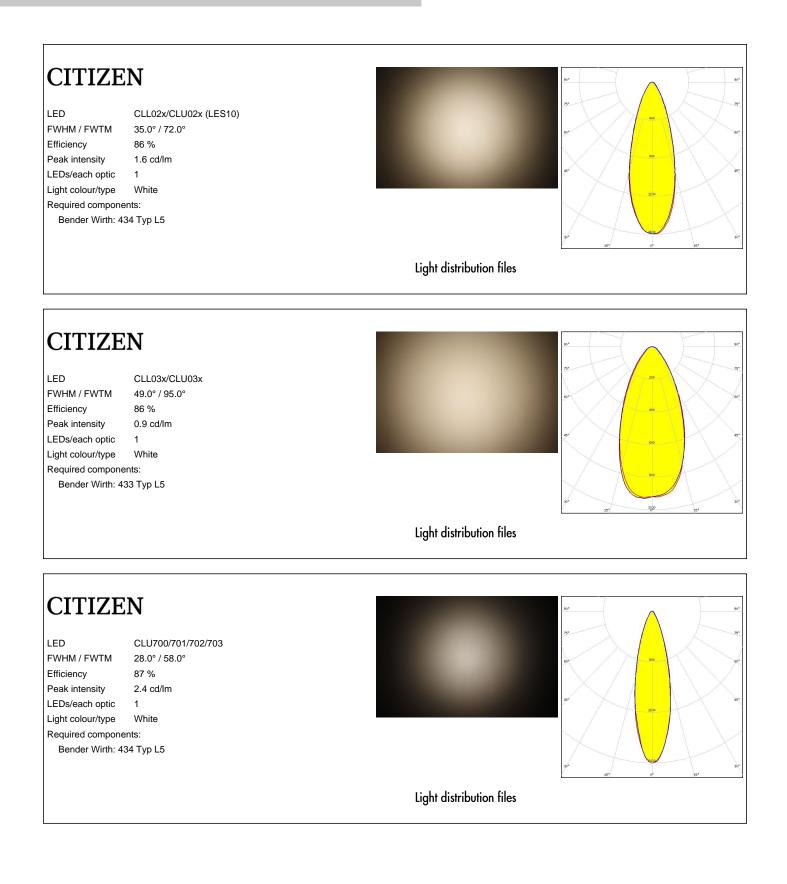


LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	V18 Gen6 58.0° / 113.0° 88 % 0.7 cd/lm 1 White nts:		Light distribution files	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	V6 Gen6 27.0° / 58.0° 86 % 2.4 cd/lm 1 White nts:		Light distribution files	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	V8 Gen6 31.0° / 70.0° 85 % 1.8 cd/lm 1 White nts:		Light distribution files	

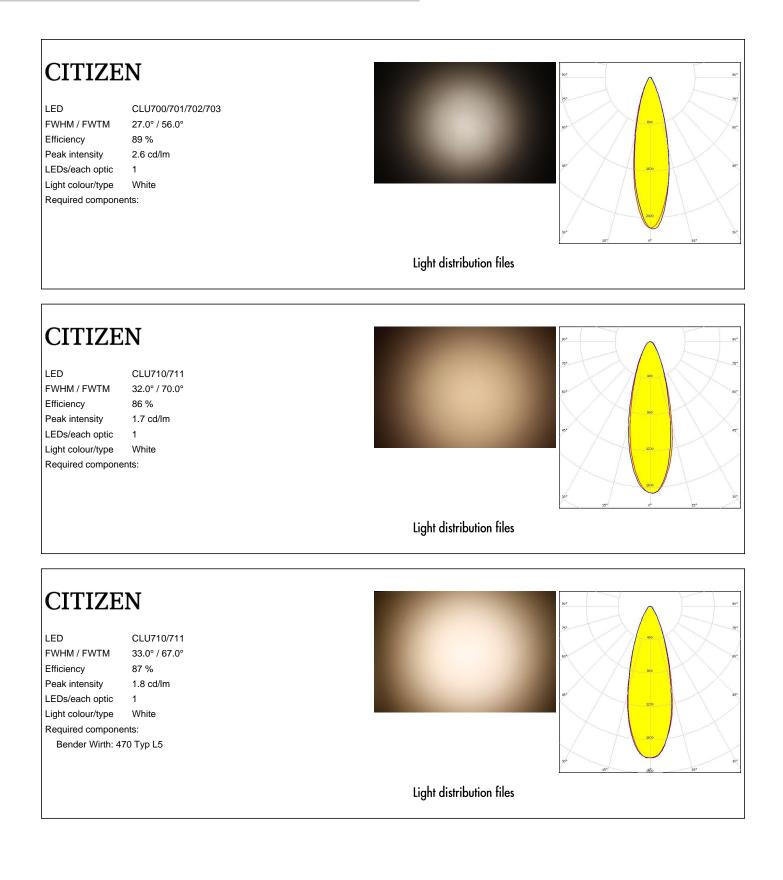


bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	VERO10 36.0° / 74.0° 89 % 1.6 cd/lm 1 White ents:	Light distribution files
CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	CLL01x 27.0° / 60.0° 85 % 2.4 cd/lm 1 White	
		Light distribution files
CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	CLL02x/CLU02x (LES10) 35.0° / 72.0° 87 % 2.3 cd/lm 1 White	
		Light distribution files

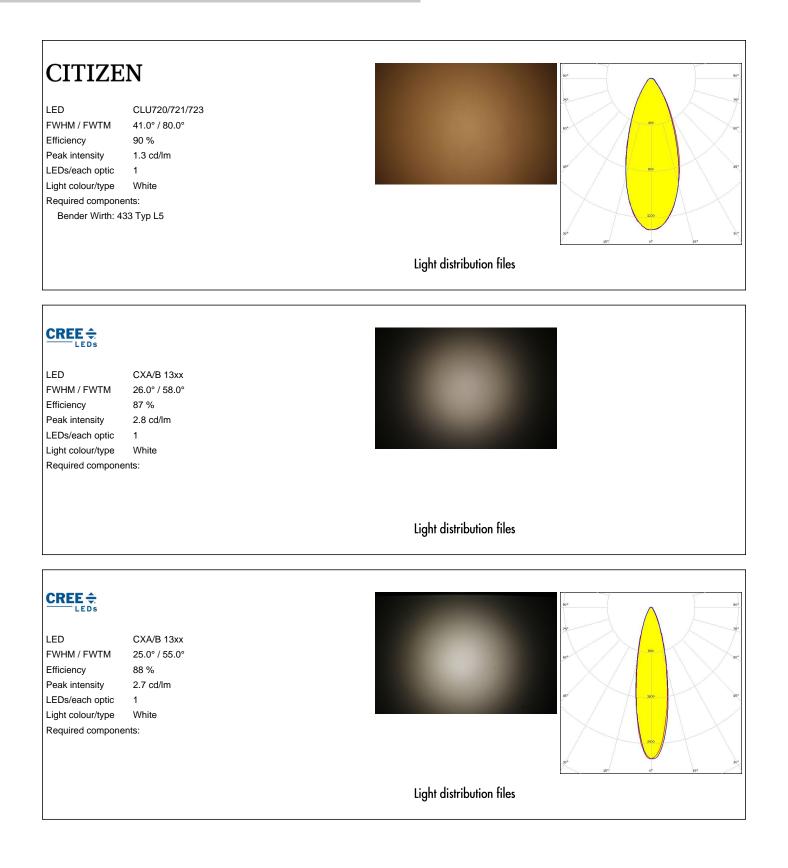




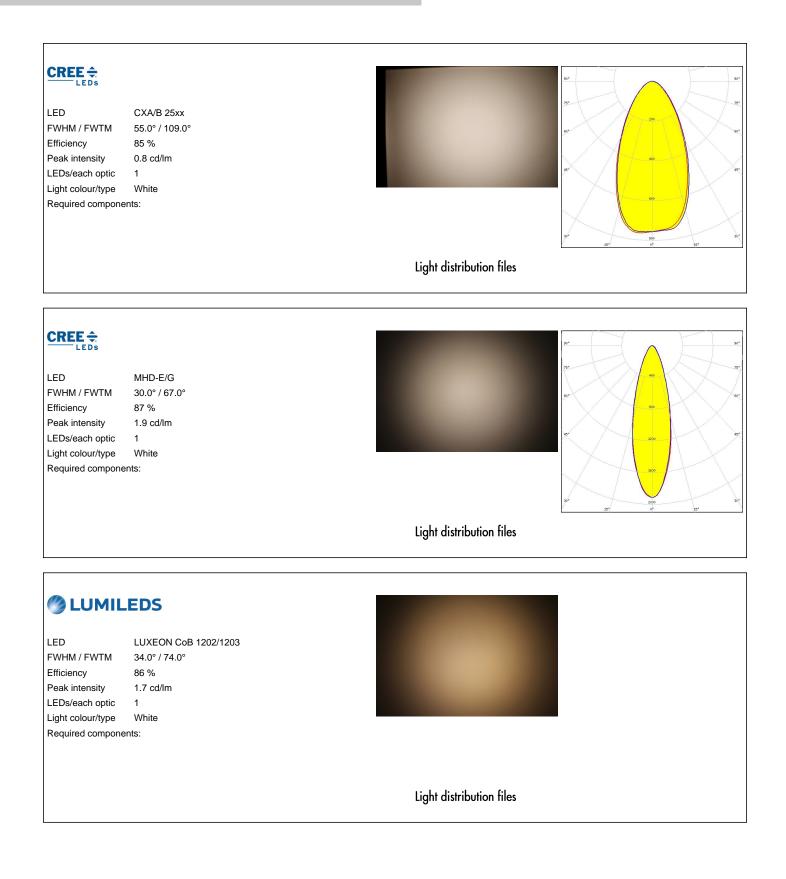












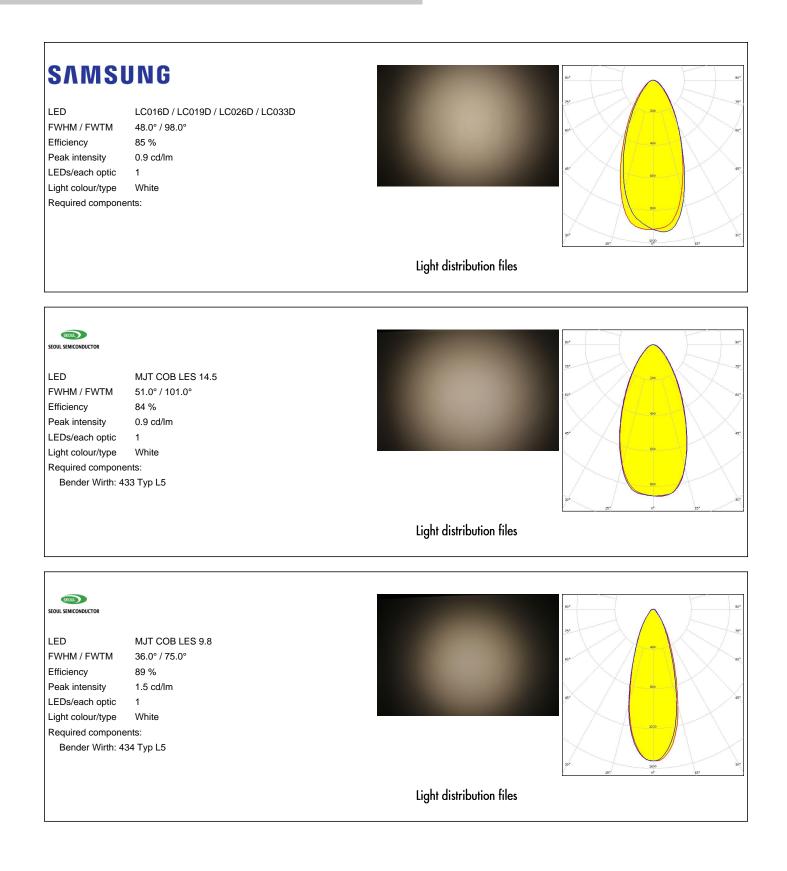


#### LUMILEDS LUXEON CoB 1202s LED 27.0° / 60.0° FWHM / FWTM Efficiency 86 % Peak intensity 2.5 cd/lm LEDs/each optic 1 White Light colour/type Required components: Light distribution files LED CxM-14 (19x19) FWHM / FWTM 45.0° / 94.0° Efficiency 85 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files ELUMINUS LED CxM-9 (13.5x13.5) FWHM / FWTM 36.0° / 76.0° Efficiency 87 % Peak intensity 1.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files

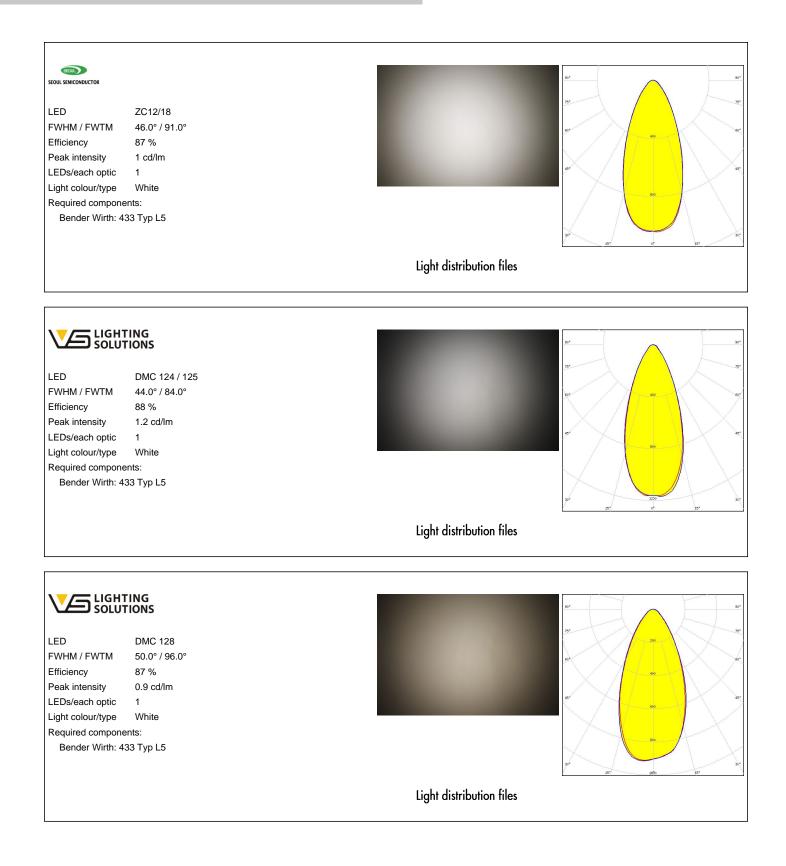


OSRAM opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	Duris S10 24.0° / 58.0° 88 % 3.1 cd/lm 1 White ents:	
		Light distribution files
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	Soleriq S13 41.0° / 88.0° 85 % 1.2 cd/lm 1 White ents:	
		Light distribution files
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	Soleriq S19 55.0° / 104.0° 83 % 0.8 cd/lm 1 White ents:	
		Light distribution files











#### **CITIZEN** CLL02x/CLU02x (LES10) LED 35.0° / 72.0° FWHM / FWTM 92 % Efficiency Peak intensity 1.8 cd/lm LEDs/each optic 1 White Light colour/type Required components: Light distribution files I FD CXA/B 15xx FWHM / FWTM 33.0° / 68.0° 93 % Efficiency 2 cd/lm Peak intensity LEDs/each optic 1 Light colour/type White Required components: Light distribution files LUXEON CoB 1202/1203 LED FWHM / FWTM 34.0° / 69.0° Efficiency 89 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour/type White Required components: Bender Wirth: 441 Typ L5 Light distribution files



# UMILEDS

LEDLLFWHM / FWTM27Efficiency86Peak intensity2.5LEDs/each optic1Light colour/typeWRequired components:1

LUXEON CoB Compact 27.0° / 60.0° 86 % 2.5 cd/lm 1 White

Light distribution files

LED	CxM-14 (19x19)		
FWHM / FWTM	49.0° / 95.0°		
Efficiency	86 %		
Peak intensity	0.9 cd/lm		
LEDs/each optic	1		
Light colour/type	White		
Required component	s:		
Bender Wirth: 433	: Typ L5		
		Light distribution files	
ELUMII	NUS	Light distribution files	
	NUS CxM-9 (13.5x13.5)	Light distribution files	
LED		Light distribution files	
LED FWHM / FWTM	CxM-9 (13.5x13.5)	Light distribution files	
LED FWHM / FWTM Efficiency Peak intensity	CxM-9 (13.5x13.5) 35.0° / 72.0°	Light distribution files	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CxM-9 (13.5x13.5) 35.0° / 72.0° 86 % 1.6 cd/lm 1	Light distribution files	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type	CxM-9 (13.5x13.5) 35.0° / 72.0° 86 % 1.6 cd/lm 1 White	Light distribution files	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required component	CxM-9 (13.5x13.5) 35.0° / 72.0° 86 % 1.6 cd/lm 1 White	Light distribution files	



#### **ΜΝΙCΗΙΛ** I FD COB S-Type (LES 6) FWHM / FWTM 25.0° / 53.0° Efficiency 92 % Peak intensity 3.3 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files OSRAM Opto Semiconductore I FD Soleriq S9 32.0° / 71.0° FWHM / FWTM Efficiency 90 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files SAMSUNG LED LC003D / LC006D / LC009D / LC013D FWHM / FWTM 36.0° / 74.0° Efficiency 92 % Peak intensity 1.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



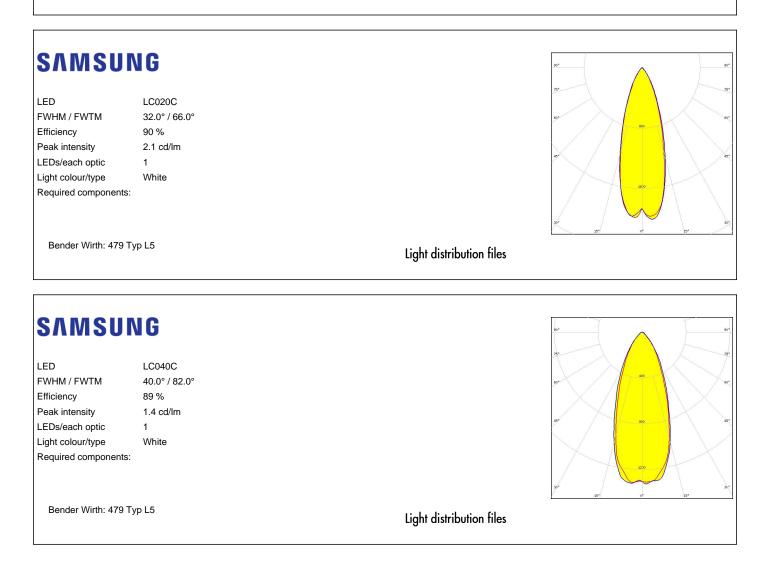
# SAMSUNG

LED	LC010C
FWHM / FWTM	27.0° / 56.0°
Efficiency	92 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 479 Typ L5

90<sup>4</sup> 75<sup>4</sup> 90<sup>4</sup> 90<sup>4</sup> 90<sup>4</sup> 90<sup>5</sup> 90<sup>6</sup> 90<sup>6</sup> 90<sup>6</sup> 90<sup>7</sup> 90<sup>7</sup>9

Light distribution files







SEOUL	
SEOUL SEMICONDUCTOR	
LED	ZC4/6
FWHM / FWTM	35.0° / 72.0°
Efficiency	86 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required component	s:
Bender Wirth: 434	Typ L5



#### **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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