

AMY-50-M-C

~24° medium beam. Assembly with holder C compatible with HEKLA sockets and connectors. Black version.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.9 mm
Height	13.1 mm
Fastening	socket
ROHS compliant	yes ⓘ

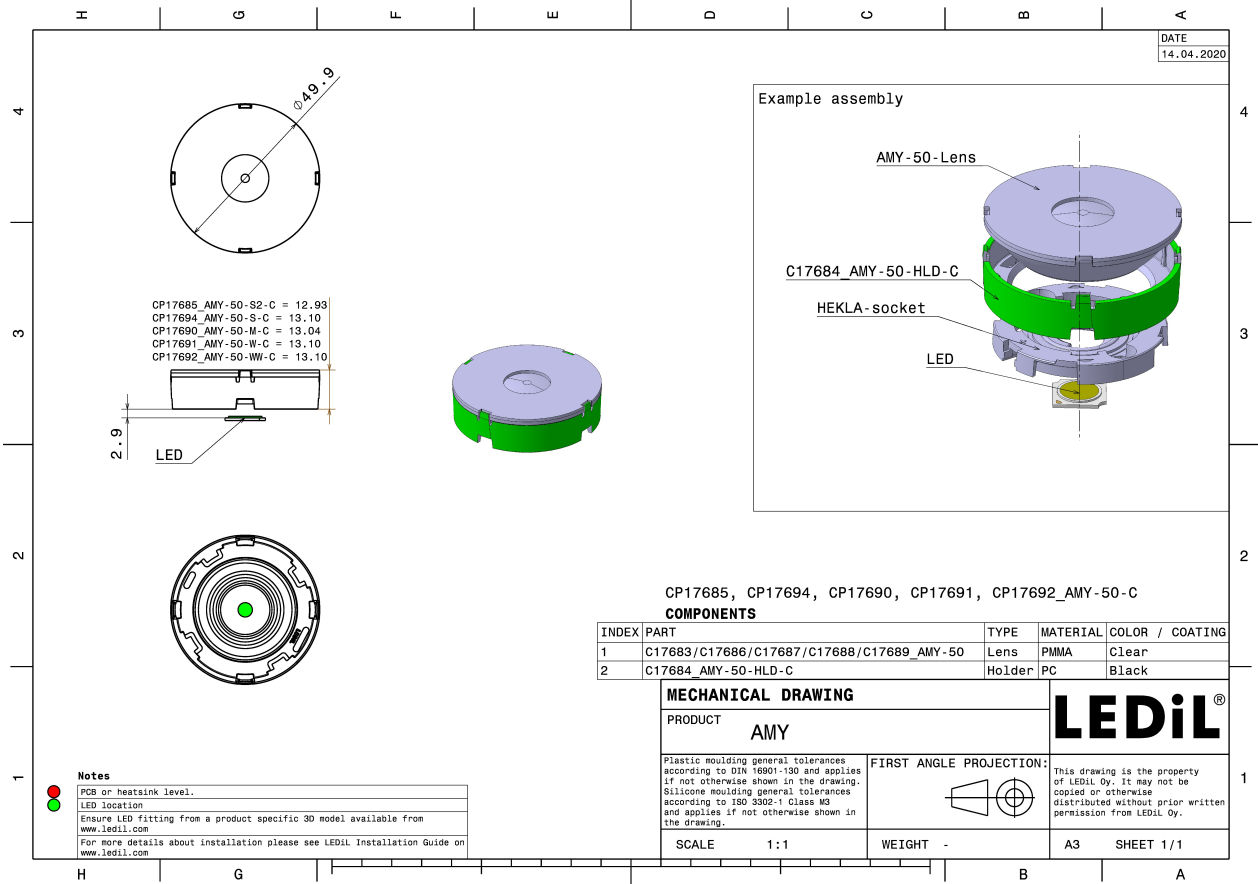


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
AMY-50-M	Single lens	PMMA	clear	
AMY-50-HLD-C	Holder	PC	black	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP17690_AMY-50-M-C » Box size: 480 x 280 x 300 mm	510	120	30	9.1



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

PHOTOMETRIC DATA (MEASURED):

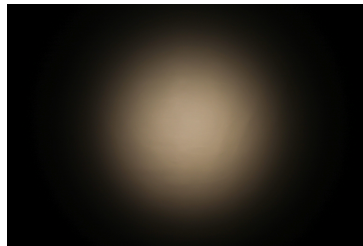
bridgelux.

LED V4 HD
FWHM / FWTM 24.0° / 41.0°
Efficiency 93 %
Peak intensity 4.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15253_HEKLA-SOCKET-A



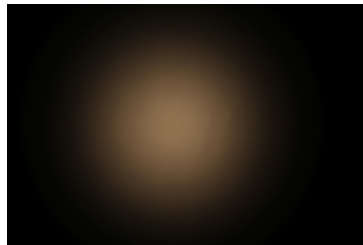
bridgelux.

LED V6 HD
FWHM / FWTM 24.0° / 43.0°
Efficiency 91 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



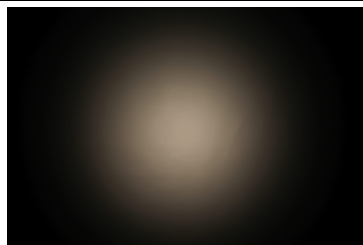
bridgelux.

LED V9 HD
FWHM / FWTM 25.0° / 46.0°
Efficiency 90 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



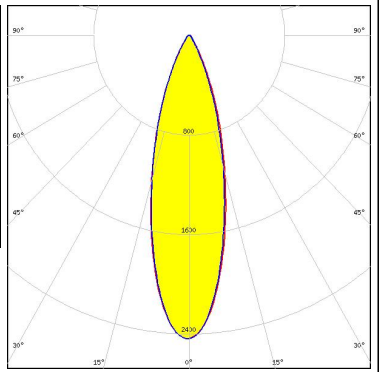





bridgelux.

LED VERO10
FWHM / FWTM 25.0° / 47.0°
Efficiency 90 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15616_HEKLA-SOCKET-F



PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED Vesta TW 13mm (18W) DP FWHM / FWTM 29.0° / 58.0° Efficiency 87 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 492 Typ L8</p>		
<p>CITIZEN</p> <p>LED CLL02x/CLU02x (LES10) FWHM / FWTM 25.0° / 48.0° Efficiency 89 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		
<p>CITIZEN</p> <p>LED CLL03x/CLU03x FWHM / FWTM 29.0° / 58.0° Efficiency 87 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: F17438_HEKLA-G2-I</p>		
<p>CITIZEN</p> <p>LED CLU700/701/702 FWHM / FWTM 24.0° / 43.0° Efficiency 90 % Peak intensity 4.1 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		

PHOTOMETRIC DATA (MEASURED):

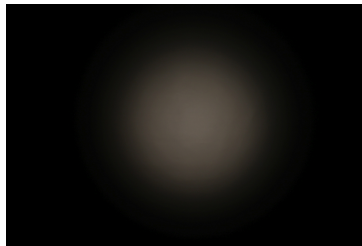
CITIZEN

LED CLU7A2 (LES 4.2mm)
FWHM / FWTM 24.0° / 40.0°
Efficiency 90 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



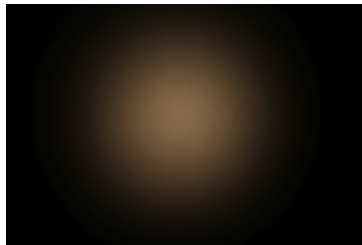
CITIZEN

LED CLU7B2
FWHM / FWTM 24.0° / 39.0°
Efficiency 91 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



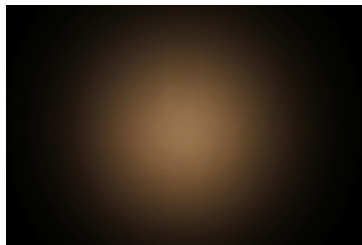
CREE

LED CMA1516
FWHM / FWTM 25.0° / 47.0°
Efficiency 90 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17436_HEKLA-G2-D



CREE

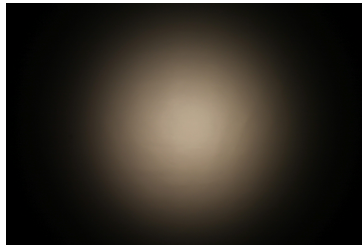
LED CMA1825
FWHM / FWTM 27.0° / 54.0°
Efficiency 89 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15254_HEKLA-SOCKET-B



PHOTOMETRIC DATA (MEASURED):

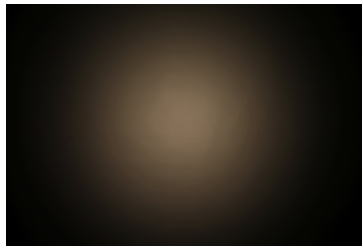
CREE

LED CMT14xx
FWHM / FWTM 25.0° / 48.0°
Efficiency 89 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



CREE

LED CMT19xx
FWHM / FWTM 29.0° / 58.0°
Efficiency 87 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17438_HEKLA-G2-I



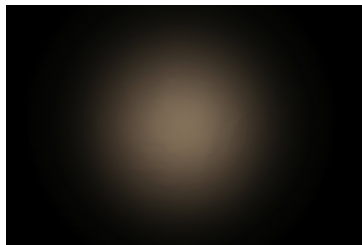
CREE

LED CXA/B 13xx
FWHM / FWTM 24.0° / 42.0°
Efficiency 91 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17439_HEKLA-G2-J



CREE

LED CXA/B 15xx
FWHM / FWTM 25.0° / 46.0°
Efficiency 90 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17436_HEKLA-G2-D



PHOTOMETRIC DATA (MEASURED):

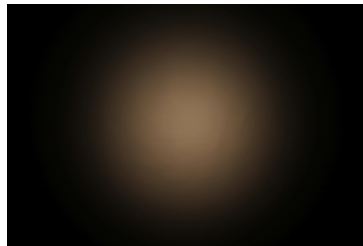
LEDiM

LED LEDIM/C6
FWHM / FWTM 26.0° / 46.0°
Efficiency 90 %
Peak intensity 3.8 cd/lm
LEDs/each optic 9
Light colour White
Required components:
F17438_HEKLA-G2-I



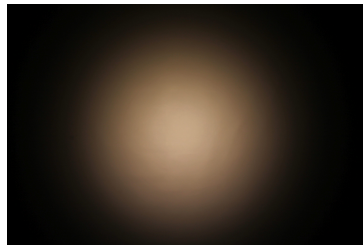
LUMILEDS

LED LUXEON CoB 1202/1203
FWHM / FWTM 25.0° / 46.0°
Efficiency 89 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17437_HEKLA-G2-H



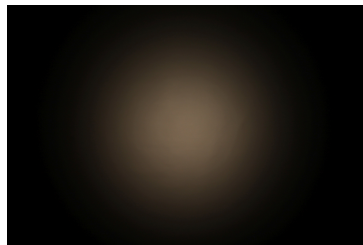
LUMILEDS

LED LUXEON CoB 1204HD
FWHM / FWTM 25.0° / 47.0°
Efficiency 89 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17437_HEKLA-G2-H











LUMILEDS






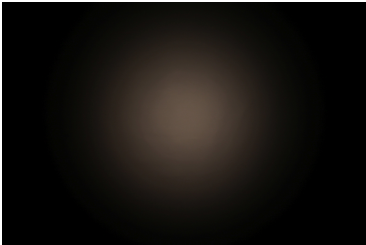

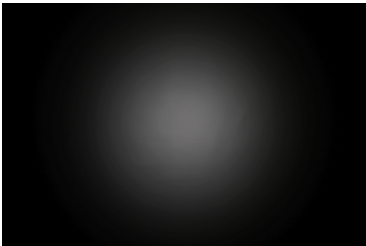
LED LUXEON CoB M02/M03
FWHM / FWTM 25.0° / 47.0°
Efficiency 90 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17436_HEKLA-G2-D



PHOTOMETRIC DATA (MEASURED):

 <p>LED LUXEON CoB S01 FWHM / FWTM 24.0° / 42.0° Efficiency 91 % Peak intensity 4.3 cd/lm LEDs/each optic 1 Light colour White Required components: F17439_HEKLA-G2-J</p>	
 <p>LED CXM-3 FWHM / FWTM 24.0° / 40.0° Efficiency 91 % Peak intensity 4.6 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C</p>	
 <p>LED CXM-4 FWHM / FWTM 24.0° / 40.0° Efficiency 91 % Peak intensity 4.5 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C</p>	
 <p>LED COB L-Type (LES 11) FWHM / FWTM 27.0° / 52.0° Efficiency 88 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White Required components: F17437_HEKLA-G2-H</p>	

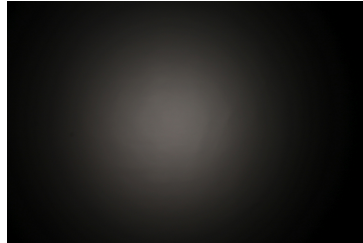
PHOTOMETRIC DATA (MEASURED):

 LED COB L-Type (LES 9) FWHM / FWTM 25.0° / 46.0° Efficiency 89 % Peak intensity 3.7 cd/lm LEDs/each optic 1 Light colour White Required components: F17437_HEKLA-G2-H	
 LED COB S-Type (LES 7) FWHM / FWTM 24.0° / 44.0° Efficiency 91 % Peak intensity 4 cd/lm LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G	
 LED Fortimo SLM L09 CoB FWHM / FWTM 25.0° / 47.0° Efficiency 89 % Peak intensity 3.6 cd/lm LEDs/each optic 1 Light colour White Required components: F17437_HEKLA-G2-H	
 LED LC003D / LC006D / LC009D / LC013D FWHM / FWTM 25.0° / 48.0° Efficiency 89 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C	

PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
FWHM / FWTM 31.0° / 62.0°
Efficiency 87 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17438_HEKLA-G2-I



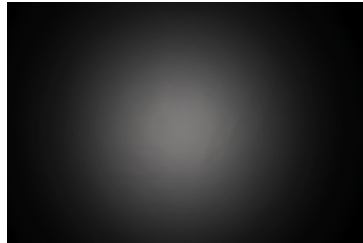
SAMSUNG

LED LC040C
FWHM / FWTM 26.0° / 52.0°
Efficiency 88 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17438_HEKLA-G2-I



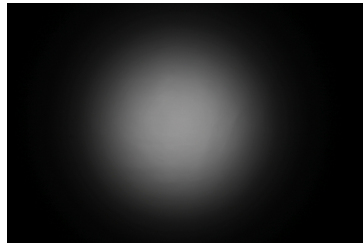
SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5
FWHM / FWTM 30.0° / 60.0°
Efficiency 87 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17438_HEKLA-G2-I



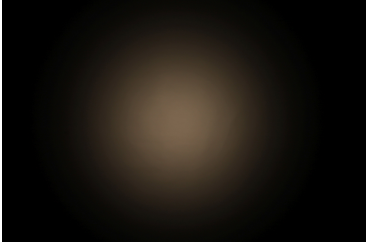
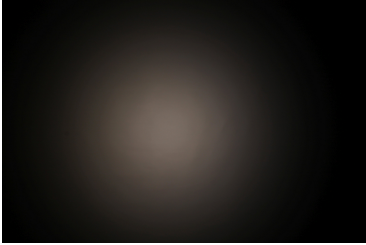
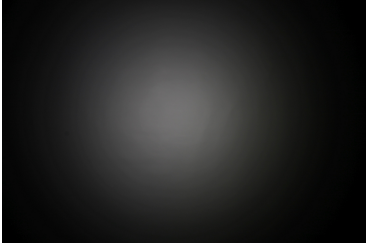


SEOUL SEMICONDUCTOR


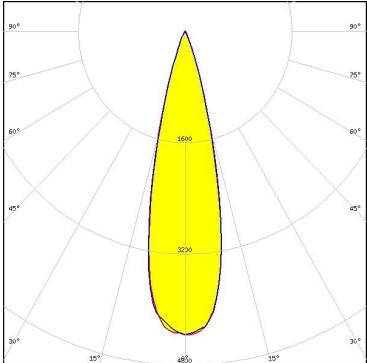

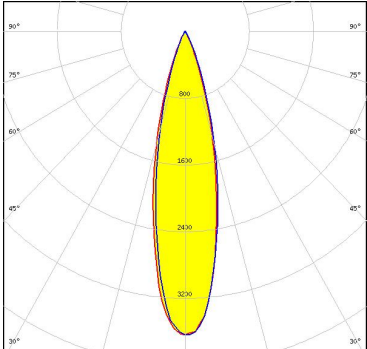
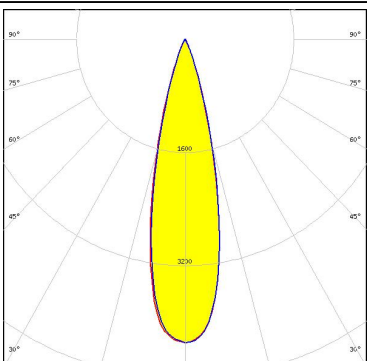

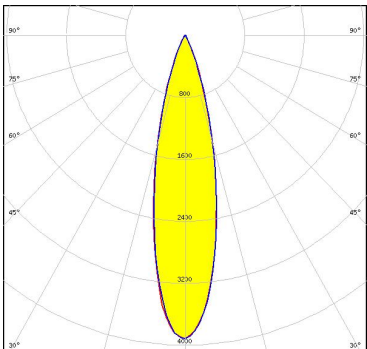
LED MJT COB LES 6
FWHM / FWTM 24.0° / 42.0°
Efficiency 91 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



PHOTOMETRIC DATA (MEASURED):

<p> SEOL SEMICONDUCTOR</p> <p>LED MJT COB LES 9.8</p> <p>FWHM / FWTM 25.0° / 48.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>	
<p>TRIDONIC</p> <p>LED SLE G7 LES09</p> <p>FWHM / FWTM 25.0° / 47.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>	
<p>TRIDONIC</p> <p>LED SLE G7 LES13</p> <p>FWHM / FWTM 28.0° / 55.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 2.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17438_HEKLA-G2-I</p>	
<p>TRIDONIC</p> <p>LED SLE G7 LES15</p> <p>FWHM / FWTM 30.0° / 60.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17438_HEKLA-G2-I</p>	

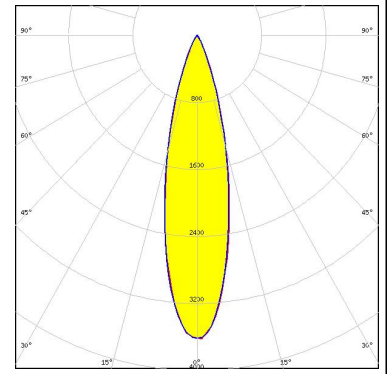
PHOTOMETRIC DATA (SIMULATED):

<p> bridgelux</p> <p>LED V4 HD FWHM / FWTM 26.1° / 42.2° Efficiency 92 % Peak intensity 4.4 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>	
<p> bridgelux</p> <p>LED Vesta TW 9mm (12W) CSP FWHM / FWTM 24.1° / 46.3° Efficiency 82 % Peak intensity 3.6 cd/lm LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K</p>	
<p>CITIZEN</p> <p>LED CLU700/701/702 FWHM / FWTM 26.1 + 25.1° / 42.2° Efficiency 91 % Peak intensity 4.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>	
<p> LUMILEDS</p> <p>LED LUXEON CoB 1202/1203 FWHM / FWTM 24.1° / 46.3° Efficiency 89 % Peak intensity 3.9 cd/lm LEDs/each optic 1 Light colour White Required components: F15858_HEKLA-SOCKET-H</p>	

PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
FWHM / FWTM 25.1° / 48.3°
Efficiency 87 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



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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LEDiL Oy

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