

AMY-50-S-C

~18° spot beam. Assembly with holder C compatible with HEKLA sockets and connectors. Black version.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.9 mm
Height	13 mm
Fastening	socket
ROHS compliant	yes ⓘ

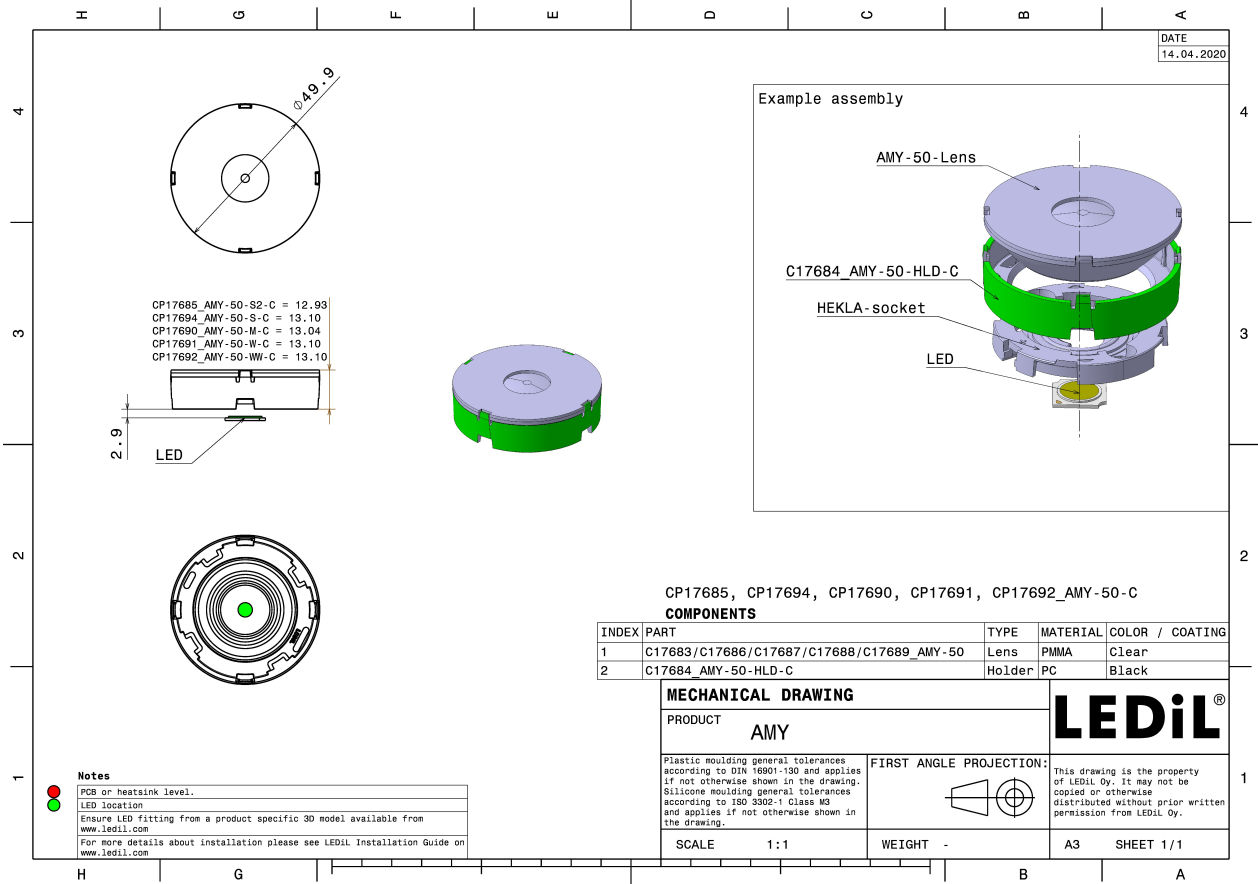


MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP17694_AMY-50-S-C » Box size: 480 x 280 x 300 mm	510	120	30	9.1

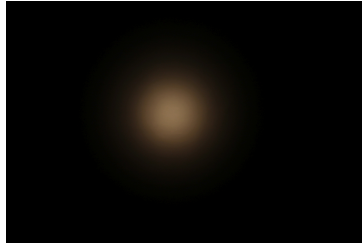


See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

bridgelux.

LED V4 HD
FWHM / FWTM 10.0° / 24.0°
Efficiency 93 %
Peak intensity 14.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15253_HEKLA-SOCKET-A



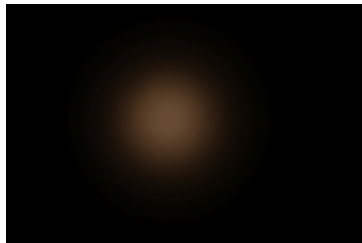
bridgelux.

LED V6 HD
FWHM / FWTM 12.0° / 28.0°
Efficiency 92 %
Peak intensity 11 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



bridgelux.

LED V9 HD
FWHM / FWTM 16.0° / 33.0°
Efficiency 90 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



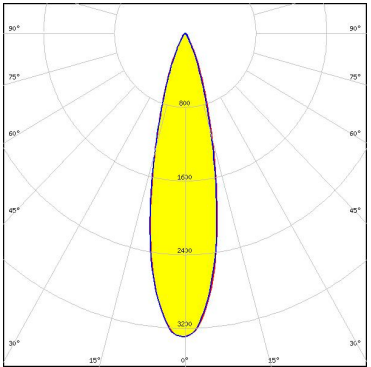

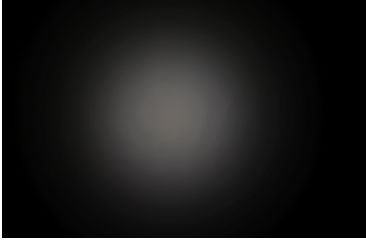



bridgelux.

LED VERO10
FWHM / FWTM 17.0° / 36.0°
Efficiency 90 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15616_HEKLA-SOCKET-F



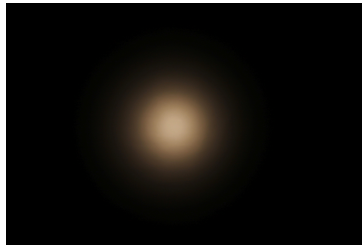
PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED Vesta TW 13mm (18W) DP FWHM / FWTM 25.0° / 49.0° Efficiency 86 % Peak intensity 3.3 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 18.0° / 36.0° Efficiency 89 % Peak intensity 6.1 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 26.0° / 50.0° Efficiency 86 % Peak intensity 3.1 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 13.0° / 28.0° Efficiency 90 % Peak intensity 11.2 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		

PHOTOMETRIC DATA (MEASURED):

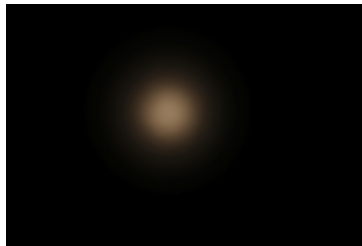
CITIZEN

LED CLU7A2 (LES 4.2mm)
FWHM / FWTM 10.0° / 23.0°
Efficiency 91 %
Peak intensity 15.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



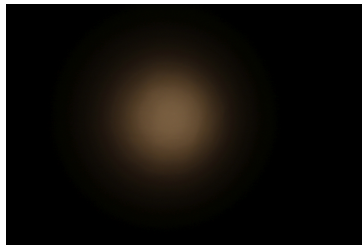
CITIZEN

LED CLU7B2
FWHM / FWTM 9.0° / 22.0°
Efficiency 91 %
Peak intensity 18.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



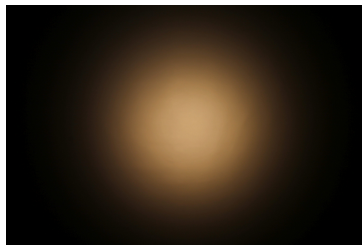
CREE

LED CMA1516
FWHM / FWTM 17.0° / 35.0°
Efficiency 90 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17436_HEKLA-G2-D



CREE

LED CMA1825
FWHM / FWTM 23.0° / 45.0°
Efficiency 89 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15254_HEKLA-SOCKET-B



PHOTOMETRIC DATA (MEASURED):

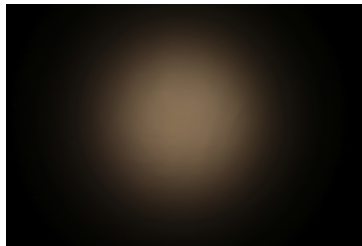
CREE

LED CMT14xx
FWHM / FWTM 18.0° / 37.0°
Efficiency 89 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



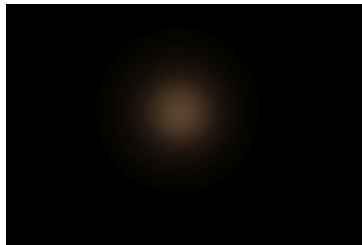
CREE

LED CMT19xx
FWHM / FWTM 26.0° / 51.0°
Efficiency 87 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17438_HEKLA-G2-I



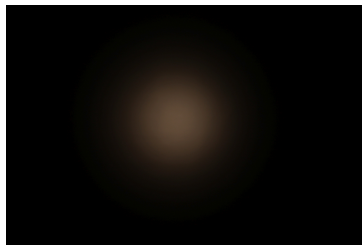
CREE

LED CXA/B 13xx
FWHM / FWTM 12.0° / 27.0°
Efficiency 92 %
Peak intensity 12 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17439_HEKLA-G2-J



CREE

LED CXA/B 15xx
FWHM / FWTM 15.0° / 34.0°
Efficiency 90 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17436_HEKLA-G2-D



PHOTOMETRIC DATA (MEASURED):

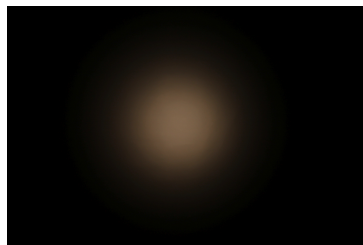
LEDiM

LED LEDiM/C6
FWHM / FWTM 19.0° / 37.0°
Efficiency 90 %
Peak intensity 6.2 cd/lm
LEDs/each optic 9
Light colour White
Required components:
F17438_HEKLA-G2-I



LUMILEDS

LED LUXEON CoB 1202/1203
FWHM / FWTM 17.0° / 35.0°
Efficiency 89 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17437_HEKLA-G2-H



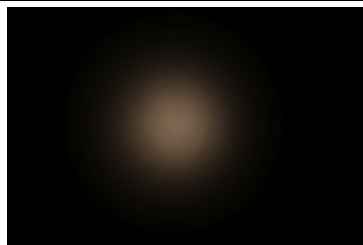
LUMILEDS

LED LUXEON CoB 1204HD
FWHM / FWTM 17.0° / 35.0°
Efficiency 89 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17437_HEKLA-G2-H




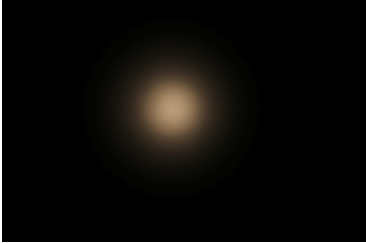

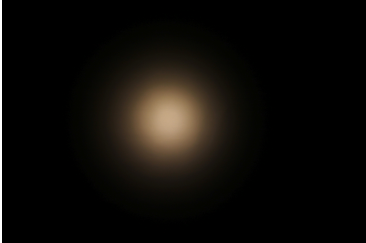




LUMILEDS

LED LUXEON CoB M02/M03
FWHM / FWTM 16.0° / 34.0°
Efficiency 90 %
Peak intensity 7.5 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 12.0° / 27.0° Efficiency 91 % Peak intensity 12.2 cd/lm LEDs/each optic 1 Light colour White Required components: F17439_HEKLA-G2-J</p>	
 <p>LED CXM-3 FWHM / FWTM 10.0° / 22.0° Efficiency 91 % Peak intensity 17.7 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C</p>	
 <p>LED CXM-4 FWHM / FWTM 10.0° / 24.0° Efficiency 91 % Peak intensity 14.9 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 13.0° / 29.0° Efficiency 91 % Peak intensity 10 cd/lm LEDs/each optic 1 Light colour White Required components: F17437_HEKLA-G2-H</p>	

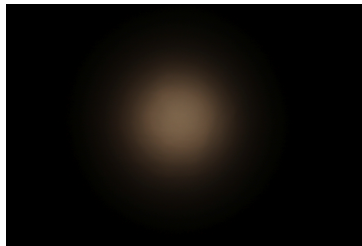
PHOTOMETRIC DATA (MEASURED):



LED COB L-Type (LES 11)
FWHM / FWTM 22.0° / 43.0°
Efficiency 88 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17437_HEKLA-G2-H



LED COB L-Type (LES 9)
FWHM / FWTM 16.0° / 34.0°
Efficiency 89 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17437_HEKLA-G2-H



LED Fortimo SLM L09 CoB
FWHM / FWTM 17.0° / 35.0°
Efficiency 89 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17437_HEKLA-G2-H



LED LC003D / LC006D / LC009D / LC013D
FWHM / FWTM 17.0° / 36.0°
Efficiency 89 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



PHOTOMETRIC DATA (MEASURED):

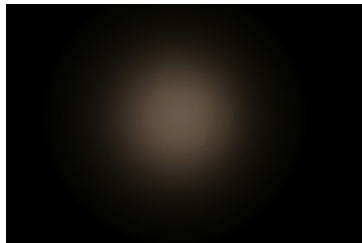
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
FWHM / FWTM 28.0° / 55.0°
Efficiency 86 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17438_HEKLA-G2-I



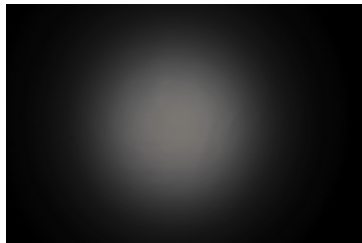
SAMSUNG

LED LC040C
FWHM / FWTM 21.0° / 42.0°
Efficiency 88 %
Peak intensity 4.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17438_HEKLA-G2-I



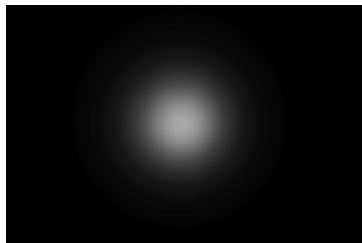
SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5
FWHM / FWTM 28.0° / 53.0°
Efficiency 86 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17438_HEKLA-G2-I



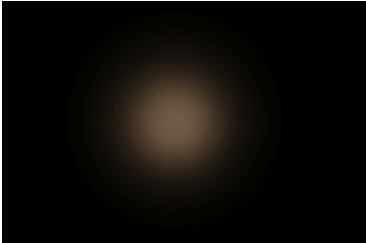

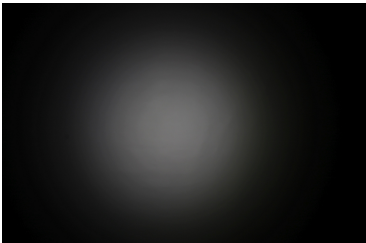


SEOUL SEMICONDUCTOR


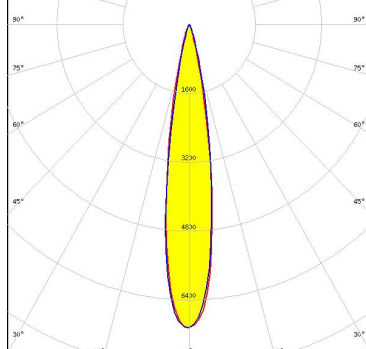
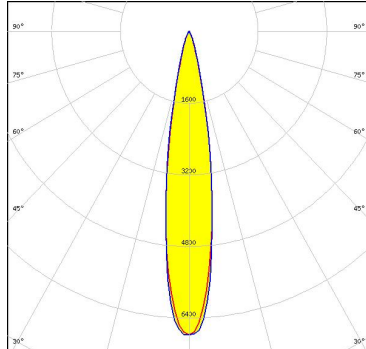
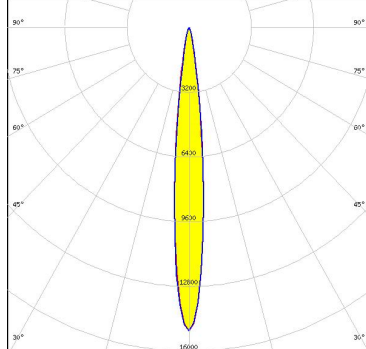
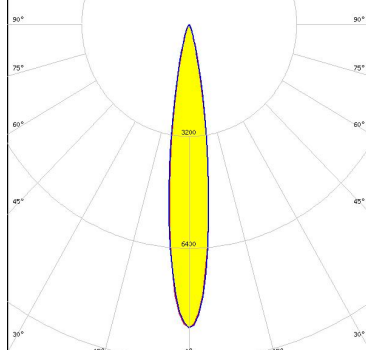
LED MJT COB LES 6
FWHM / FWTM 12.0° / 27.0°
Efficiency 91 %
Peak intensity 11.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



PHOTOMETRIC DATA (MEASURED):

<p> SEOL SEMICONDUCTOR</p> <p>LED MJT COB LES 9.8</p> <p>FWHM / FWTM 18.0° / 37.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 6 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 16.0° / 34.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15848_HEKLA-SOCKET-G</p>	
<p>TRIDONIC</p> <p>LED SLE G7 LES13</p> <p>FWHM / FWTM 25.0° / 48.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 3.5 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 27.0° / 53.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 2.9 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></p> <p>LED Vesta TW 9mm (12W) CSP FWHM / FWTM 18.1° / 32.2 + 31.2° Efficiency 81 % Peak intensity 7.1 cd/lm LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K</p>	
<p>CITIZEN</p> <p>LED CLL02x/CLU02x (LES10) FWHM / FWTM 18.1° / 33.2 + 34.2° Efficiency 87 % Peak intensity 6.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>	
<p>CITIZEN</p> <p>LED CLU700/701/702 FWHM / FWTM 11.3° / 22.1° Efficiency 91 % Peak intensity 15 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>	
<p>CITIZEN</p> <p>LED CLU710/711 FWHM / FWTM 16.1° / 30.2° Efficiency 89 % Peak intensity 8.7 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I</p>	

PHOTOMETRIC DATA (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1202/1203 FWHM / FWTM 16.1° / 30.2° Efficiency 88 % Peak intensity 8.2 cd/lm LEDs/each optic 1 Light colour White Required components: F15858_HEKLA-SOCKET-H</p>	
<p>SAMSUNG</p> <p>LED LC003D / LC006D / LC009D / LC013D FWHM / FWTM 16.1° / 32.2° Efficiency 87 % Peak intensity 7.4 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>	

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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