

MOLLY-S

~25° spot beam

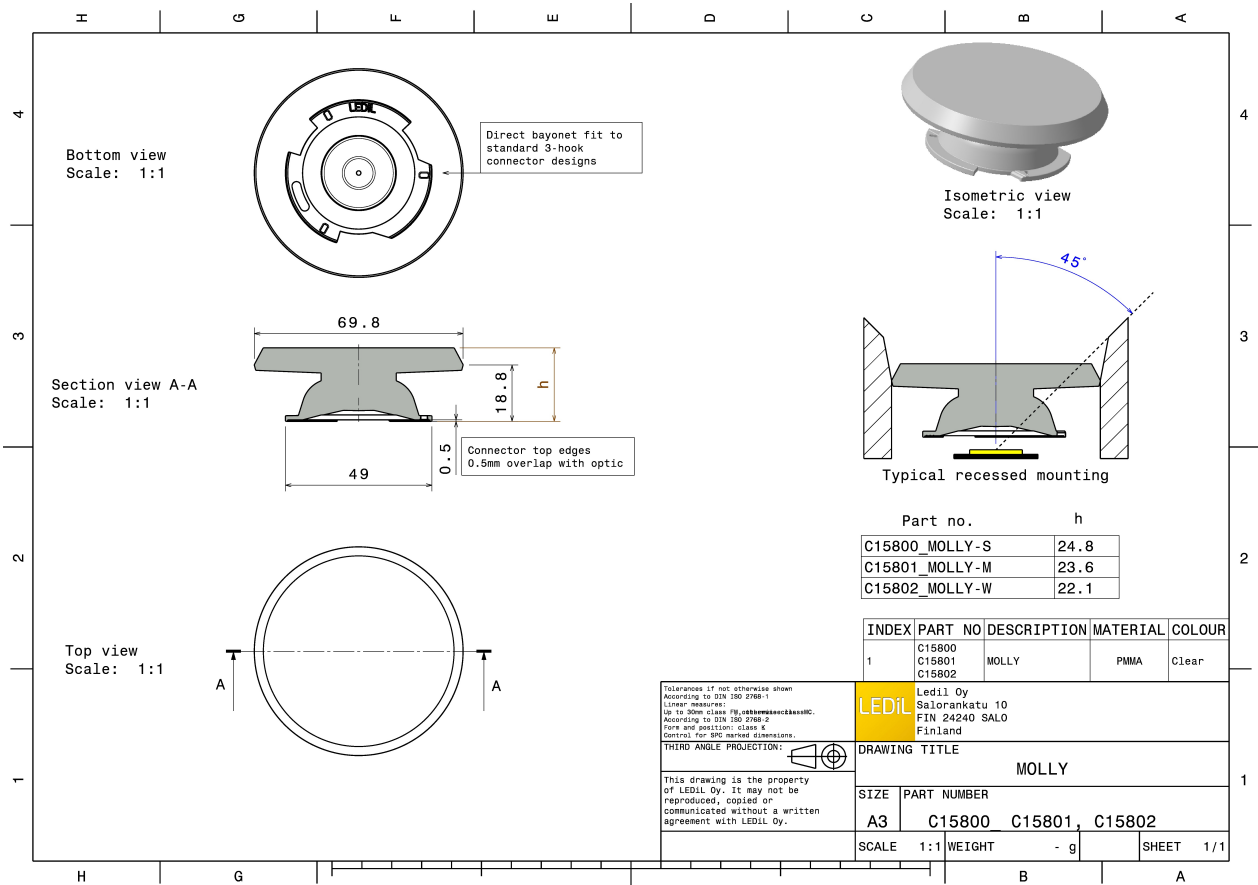
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.8 mm
Height	24.8 mm
Fastening	
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	9.7 kg
Quantity in Box	198 pcs
ROHS compliant	yes ⓘ


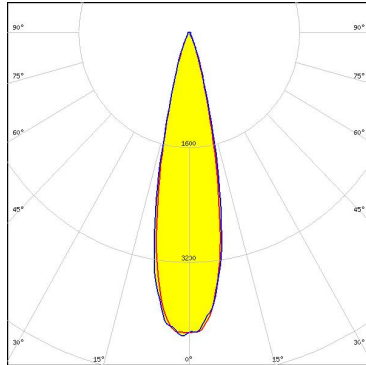
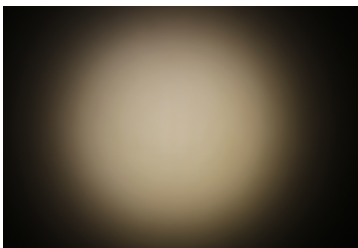
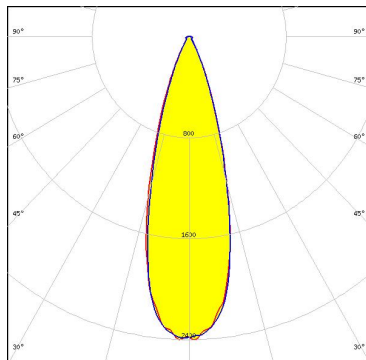

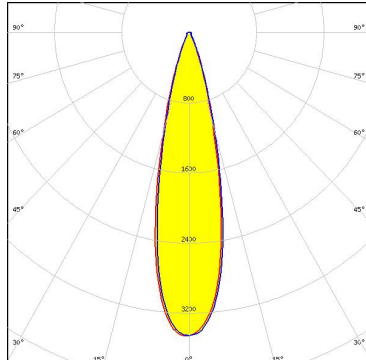
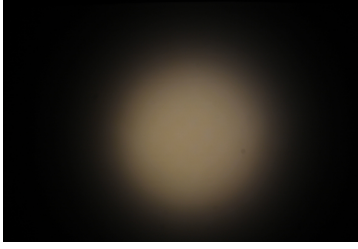
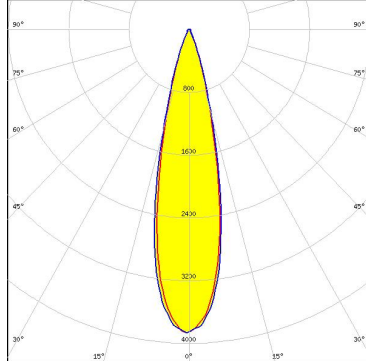


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
MOLLY-S	Single lens	PMMA	clear



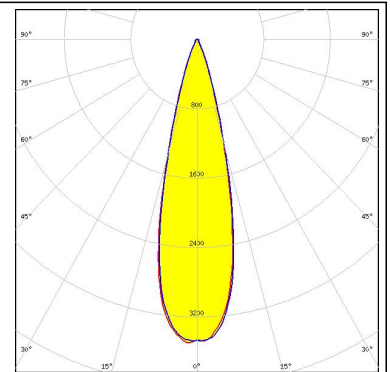
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux</p> <p>LED Vero SE 13 FWHM 23.0° Efficiency 90 % Peak intensity 4.200 cd/lm LEDs/each optic 1 Light colour White Required components: C16402_CLAMP-VEROSE-13-18</p>		
<p>bridgelux</p> <p>LED Vero SE 18 FWHM 31.0° Efficiency 88 % Peak intensity 2.400 cd/lm LEDs/each optic 1 Light colour White Required components: C16402_CLAMP-VEROSE-13-18</p>		
<p>CITIZEN</p> <p>LED CLL03x/CLU03x FWHM 24.0° Efficiency 88 % Peak intensity 3.500 cd/lm LEDs/each optic 1 Light colour White Required components: C16791_CLAMP-Z45-A TE: 2325807-3</p>		
<p>CITIZEN</p> <p>LED CLL03x/CLU03x FWHM 23.0° Efficiency 87 % Peak intensity 3.870 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 433 Typ L1</p>		

PHOTOMETRIC DATA (MEASURED):

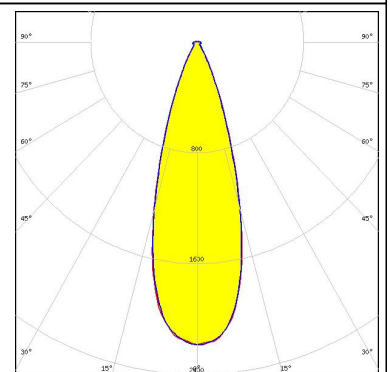
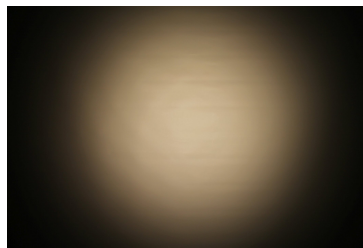
CREE ⇄

LED CMA1840
 FWHM 26.0°
 Efficiency 91 %
 Peak intensity 3.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14123_CLAMP-CXA15-18



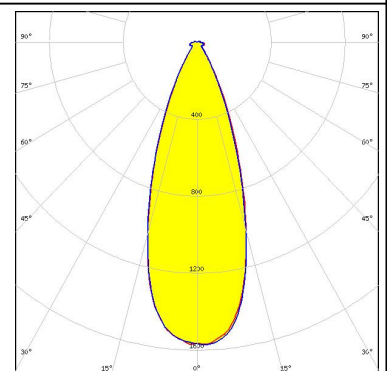
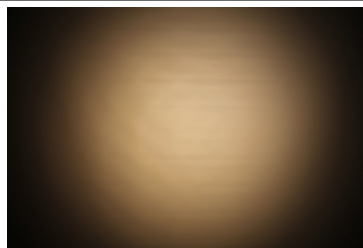
CREE ⇄

LED CMA2550
 FWHM 32.0°
 Efficiency 89 %
 Peak intensity 2.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14036_CLAMP_CXA25-30



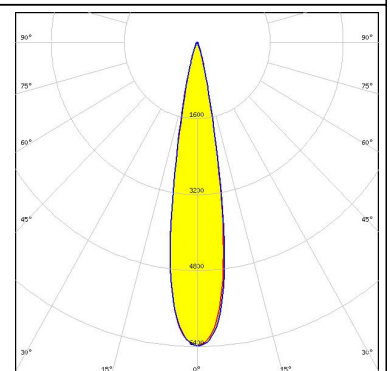
CREE ⇄

LED CMA3090
 FWHM 37.0°
 Efficiency 86 %
 Peak intensity 1.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14036_CLAMP_CXA25-30



CREE ⇄

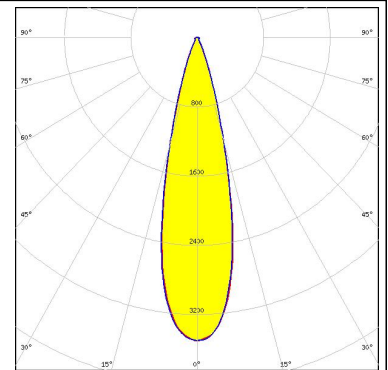
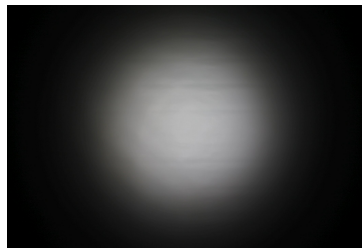
LED CMT14xx
 FWHM 19.0°
 Efficiency 90 %
 Peak intensity 6.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 434 Typ L1



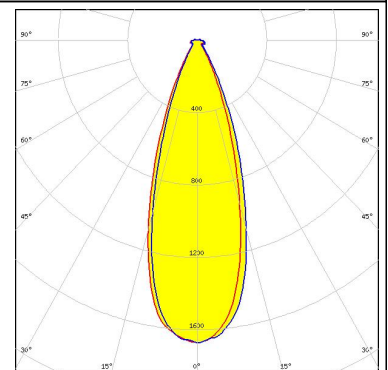
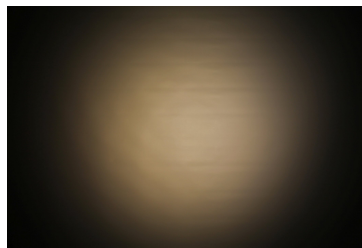
PHOTOMETRIC DATA (MEASURED):



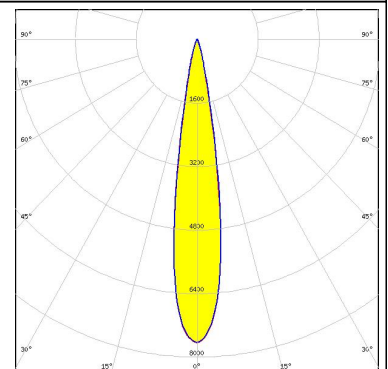
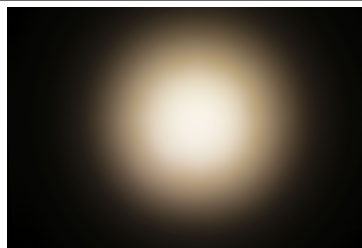
LED CMT19xx
 FWHM 26.0°
 Efficiency 90 %
 Peak intensity 3.506 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 477 Typ L1



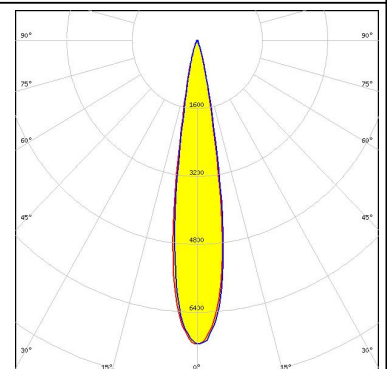
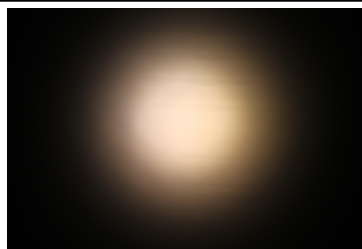
LED CMT28xx
 FWHM 35.0°
 Efficiency 85 %
 Peak intensity 1.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 471 Typ L3



LED CXA/B 15xx
 FWHM 17.0°
 Efficiency 91 %
 Peak intensity 7.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14123_CLAMP-CXA15-18



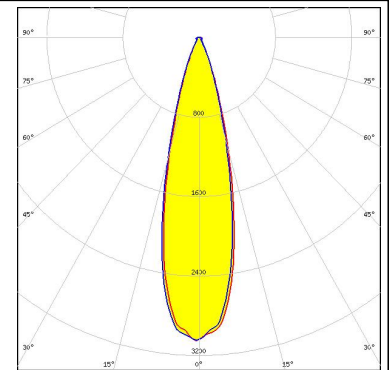
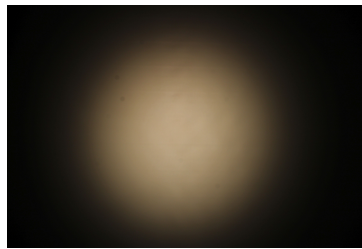
LED LUXEON CoB 1204HD
 FWHM 18.0°
 Efficiency 89 %
 Peak intensity 7.140 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

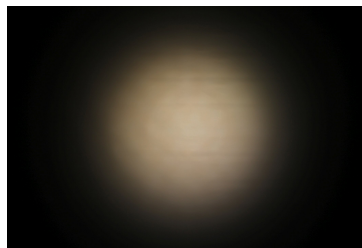
OSRAM

LED PrevaLED Core G7 L15 H1
 FWHM 26.0°
 Efficiency 89 %
 Peak intensity 3.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16685_CLAMP-PRV-A



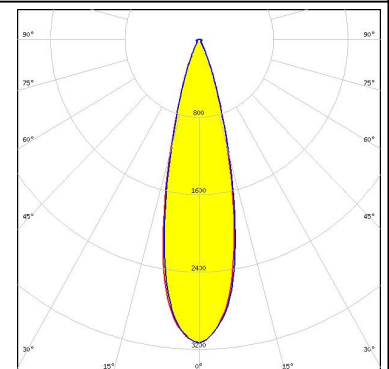
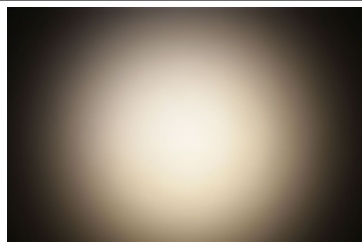
PHILIPS

LED Fortimo SLM L13 CoB
 FWHM 24.0°
 Efficiency 89 %
 Peak intensity 3.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



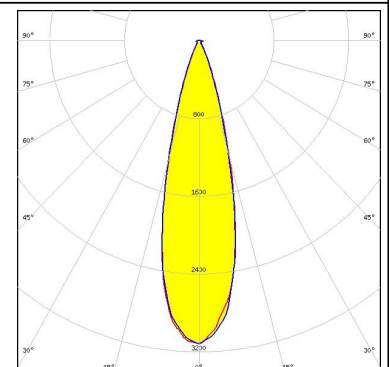
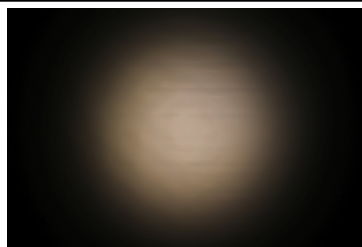
PHILIPS

LED Fortimo SLM L15 + SLM holder
 FWHM 26.0°
 Efficiency 88 %
 Peak intensity 3.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

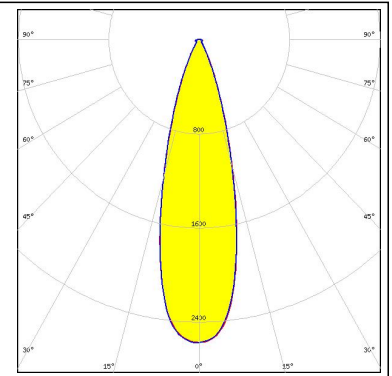
LED Fortimo SLM L15 CoB
 FWHM 27.0°
 Efficiency 88 %
 Peak intensity 3.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

XICATO

LED XTM - 19mm LES
FWHM 28.0°
Efficiency 89 %
Peak intensity 2.600 cd/m
LEDs/each optic 1
Light colour White
Required components:
C16491_XTM-ADAPTER-50-A



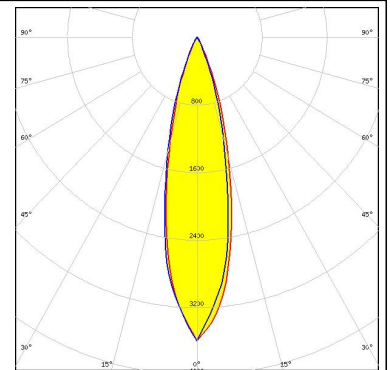
PHOTOMETRIC DATA (SIMULATED):

<p>bridgelux</p> <p>LED V9 HD FWHM 16.0° Efficiency 91 % Peak intensity 10.814 cd/lm LEDs/each optic 1 Light colour White Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 496 Typ L1</p>	
<p>bridgelux</p> <p>LED VERO13 FWHM 21.0° Efficiency 90 % Peak intensity 5.200 cd/lm LEDs/each optic 1 Light colour White Required components: C13658_CLAMP-VERO13-18</p>	
<p>CITIZEN</p> <p>LED CLL02x/CLU02x (LES10) FWHM 16.0° Efficiency 87 % Peak intensity 8.780 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 434 Typ L1</p>	
<p>CREE ⇄</p> <p>LED CXA/B 1816 & CXA/B 1820 & CXA 1850 FWHM 19.0° Efficiency 89 % Peak intensity 6.450 cd/lm LEDs/each optic 1 Light colour White Required components: C14123_CLAMP-CXA15-18</p>	

PHOTOMETRIC DATA (SIMULATED):



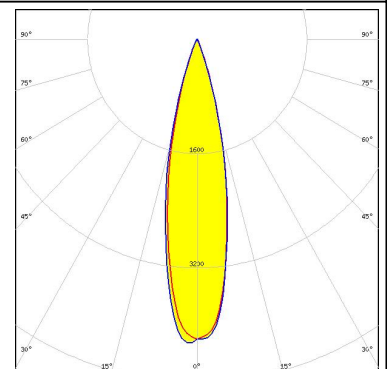
LED CXA/B 25xx
FWHM 25.0°
Efficiency 85 %
Peak intensity 3.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30



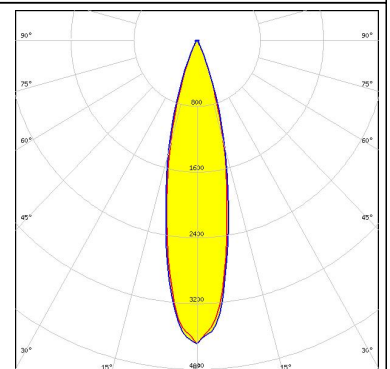
LED LUXEON CoB 1205HD
FWHM 19.0°
Efficiency 86 %
Peak intensity 6.836 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 480 Typ L1



LED SLE G6 LES15 H D50
FWHM 23.0°
Efficiency 82 %
Peak intensity 0.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



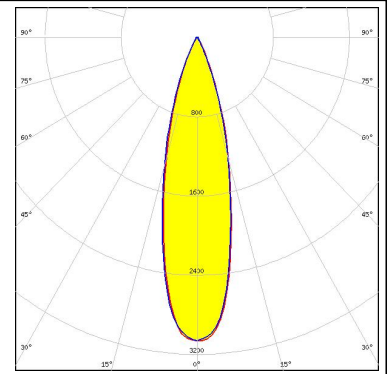
LED SLE G6 LES17 H
FWHM 27.0°
Efficiency 85 %
Peak intensity 3.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (SIMULATED):

TRIDONIC

LED SLE G6 LES19 H
FWHM 26.0°
Efficiency 81 %
Peak intensity 3.070 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



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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