

## ZORYA-SC-C

~340° omnidirectional decorative beam.  
Assembly with HEKLA adapter.

### SPECIFICATION:

Dimensions	Ø 55.0 mm
Height	35 mm
Fastening	socket
ROHS compliant	yes ⓘ

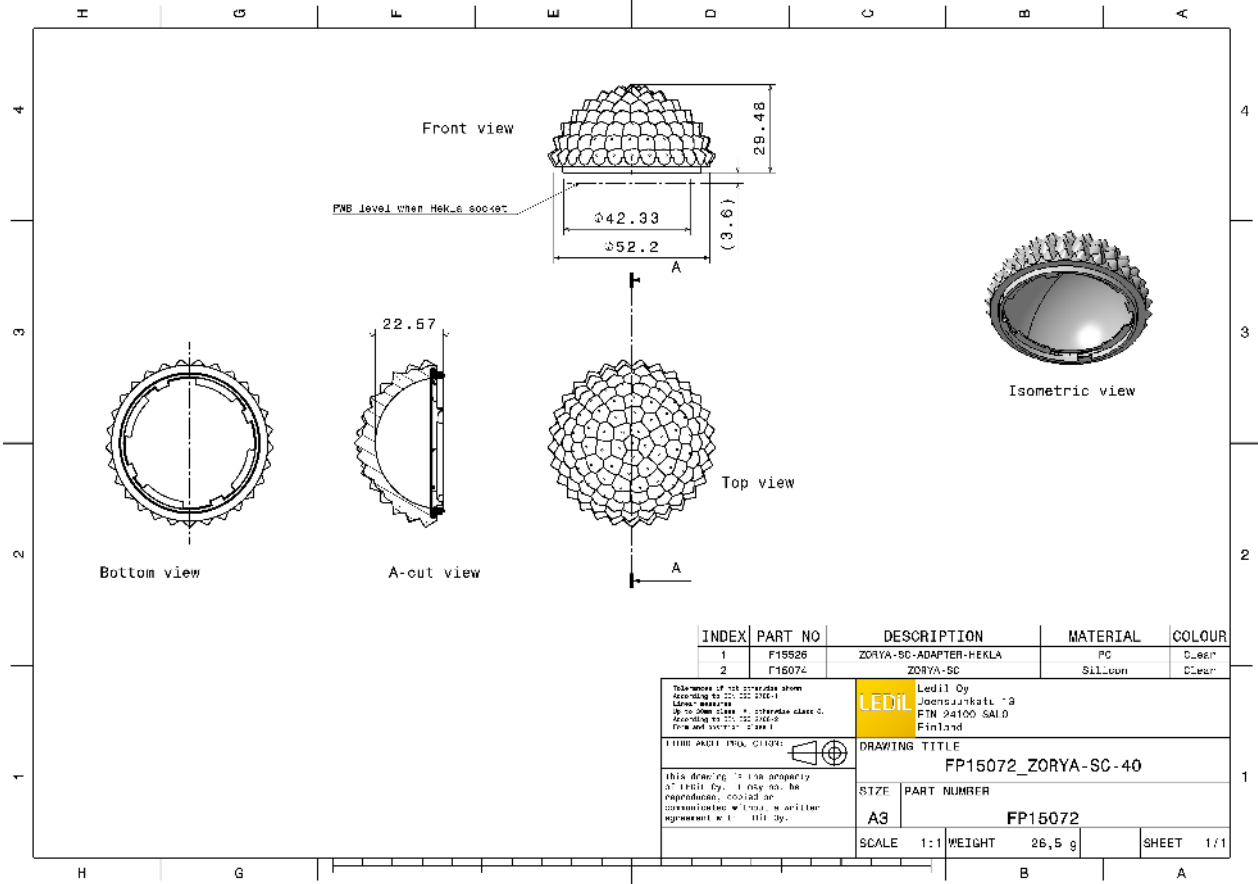


### MATERIALS:

Component	Type	Material	Colour	Finish
ZORYA-SC	Single lens	Silicone	clear	
ZORYA-SC-ADAPTER-C	Holder	PC	clear	


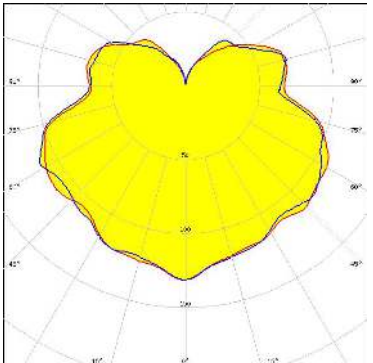

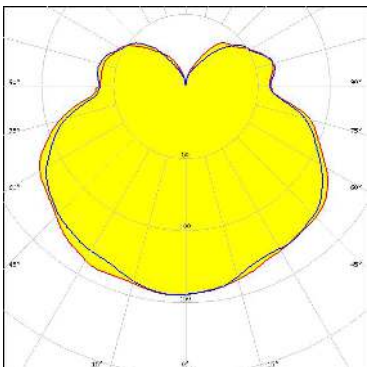

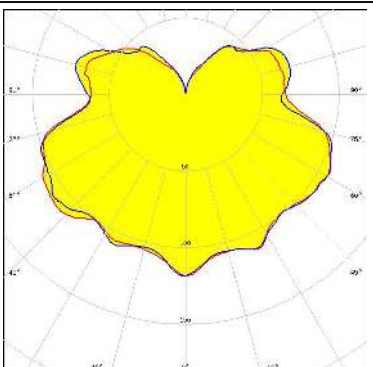

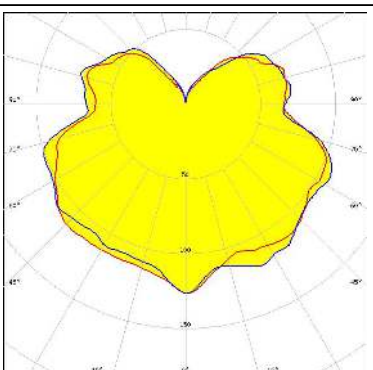
### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP15072_ZORYA-SC-C	Single lens	140		35	3.0
» Box size: 398 x 298 x 140 mm					



See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

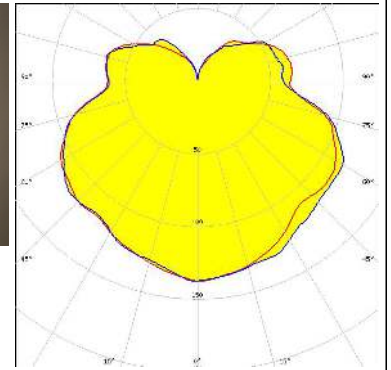
#### OPTICAL RESULTS (MEASURED):

<p></p> <p>LED VERO13            FWHM / FWTM 232.0° / 325.0°            Efficiency 94 %            Peak intensity 0.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K</p>		
<p></p> <p>LED VERO18            FWHM / FWTM 161.0° / 316.0°            Efficiency 94 %            Peak intensity 0.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K</p>		
<p></p> <p>LED Vesta TW 9mm (12W) CSP            FWHM / FWTM 241.0° / 324.0°            Efficiency 94 %            Peak intensity 0.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K</p>		
<p><b>CITIZEN</b></p> <p>LED CLC020 Series (Dim-To-Warm)            FWHM / FWTM 235.0° / 322.0°            Efficiency 92 %            Peak intensity 0.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K</p>		

### OPTICAL RESULTS (MEASURED):

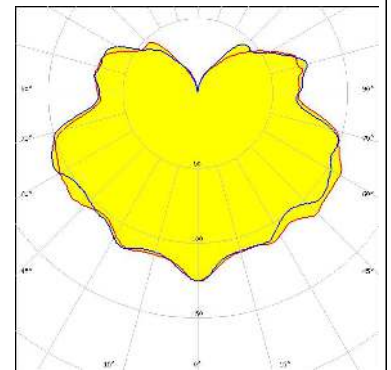
#### CITIZEN

LED CLC030 Series (Dim-To-Warm)  
 FWHM / FWTM 163.0° / 317.0°  
 Efficiency 94 %  
 Peak intensity 0.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



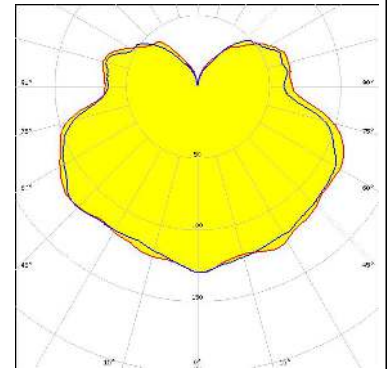
#### CITIZEN

LED LCN-C01B (Tunable White)  
 FWHM / FWTM 231.0° / 322.0°  
 Efficiency 94 %  
 Peak intensity 0.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



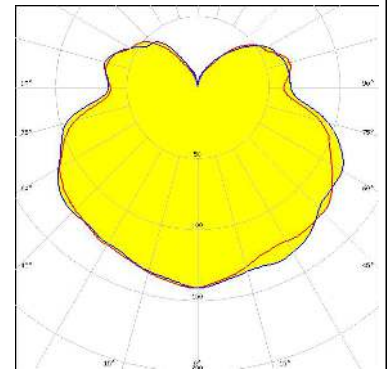
#### CITIZEN

LED LCN-C02B (Tunable White)  
 FWHM / FWTM 224.0° / 326.0°  
 Efficiency 94 %  
 Peak intensity 0.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

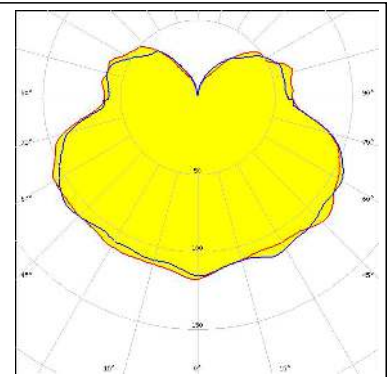
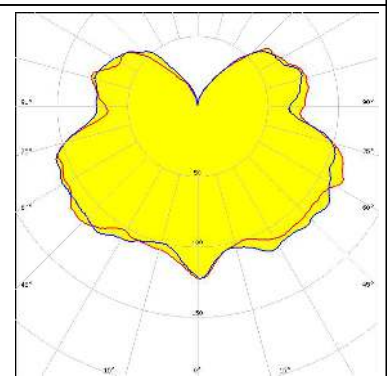
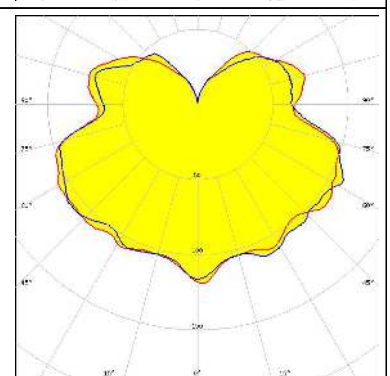
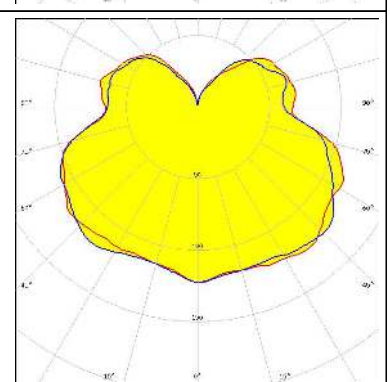


#### LUMILEDS

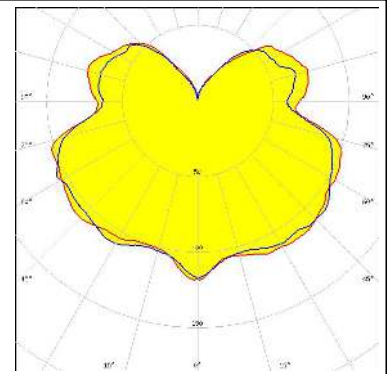
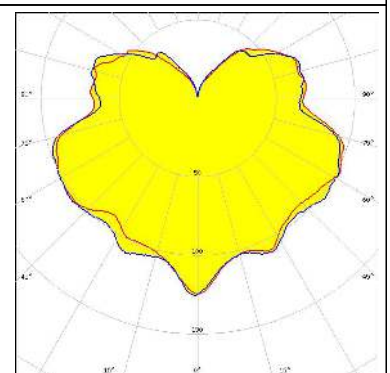
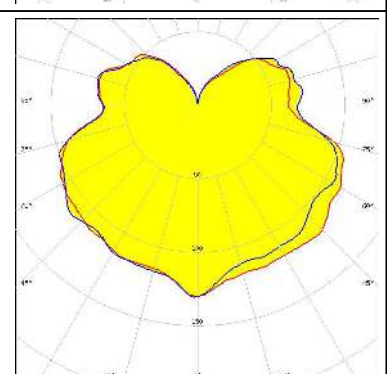
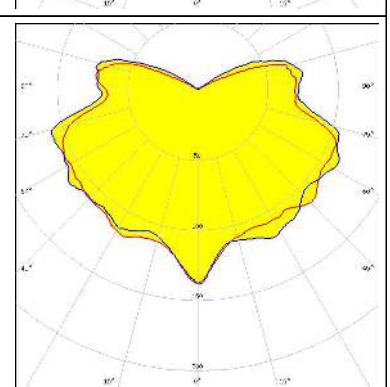
LED LUXEON CoB 1208  
 FWHM / FWTM 164.0° / 313.0°  
 Efficiency 96 %  
 Peak intensity 0.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 632a Hekla XL



#### OPTICAL RESULTS (MEASURED):

<p><b>LUMINUS</b></p> <p>LED CDM-14 (Dim-To-Warm)</p> <p>FWHM / FWTM 220.0° / 330.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8</p>	
<p><b>LUMINUS</b></p> <p>LED CDM-6 (Dim-To-Warm)</p> <p>FWHM / FWTM 240.0° / 330.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p>	
<p><b>LUMINUS</b></p> <p>LED CDM-9 (Dim-To-Warm)</p> <p>FWHM / FWTM 240.0° / 300.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p>	
<p><b>LUMINUS</b></p> <p>LED CTM-14 (Tunable White)</p> <p>FWHM / FWTM 236.0° / 325.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 442 Typ L8</p>	

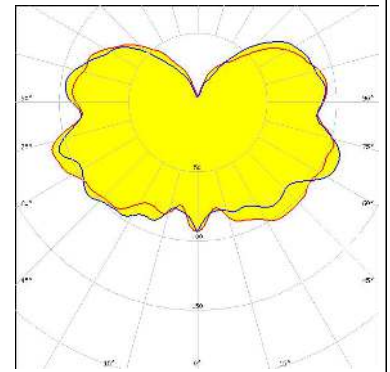
#### OPTICAL RESULTS (MEASURED):

<p><b>LUMINUS</b></p> <p>LED CTM-9 (Tunable White)</p> <p>FWHM / FWTM 254.0° / 320.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 495 Typ L8</p>	
<p><b>NICHIA</b></p> <p>LED NJCWL024Z-V1MT: COB L-Type Tunable White</p> <p>FWHM / FWTM 234.0° / 321.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 0.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 497 Typ L8</p>	
<p><b>NICHIA</b></p> <p>LED NVCWJ024Z-V1MT: COB J-Type Tunable White</p> <p>FWHM / FWTM 224.0° / 322.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 498 Typ L8</p>	
<p><b>SAMSUNG</b></p> <p>LED LC010C G2</p> <p>FWHM / FWTM 210.0° / 235.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 0.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>	

#### OPTICAL RESULTS (SIMULATED):

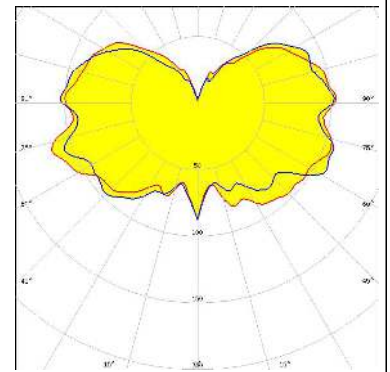
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM / FWTM 262.0° / 332.0°  
 Efficiency 97 %  
 Peak intensity 0.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



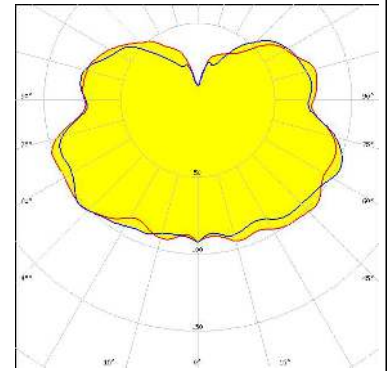
#### CITIZEN

LED CLU700/701/702/703  
 FWHM / FWTM 265.0° / 330.0°  
 Efficiency 97 %  
 Peak intensity 0.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



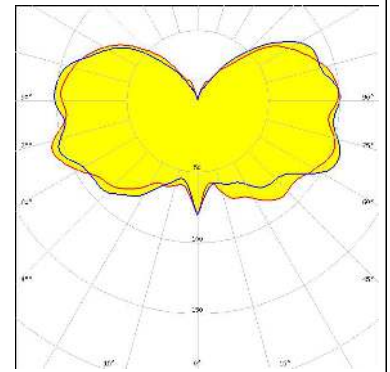
#### CREE LED

LED CMT19xx  
 FWHM / FWTM 268.0° / 353.0°  
 Efficiency 93 %  
 Peak intensity 0.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I

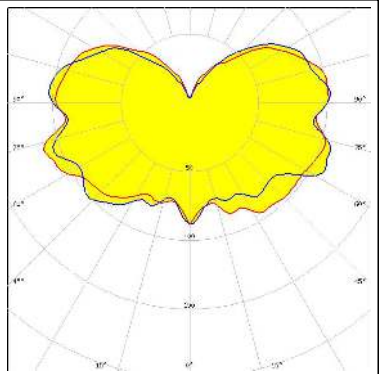
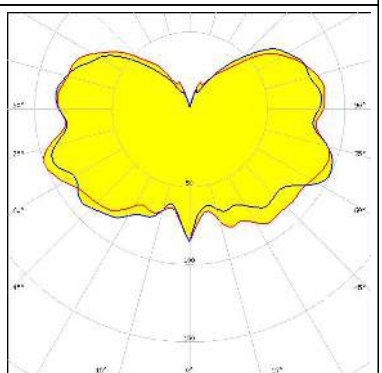
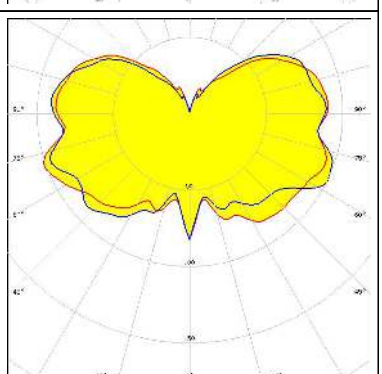
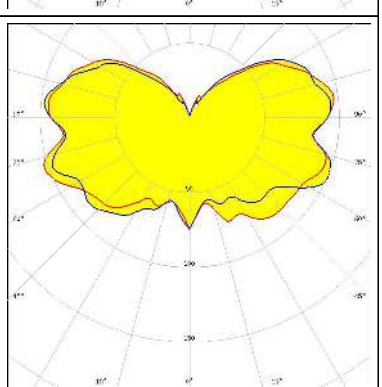


#### CREE LED

LED CXA/B 13xx  
 FWHM / FWTM 264.0° / 324.0°  
 Efficiency 96 %  
 Peak intensity 0.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15956\_HEKLA-SOCKET-J



#### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> LED</p> <p>LED: CXA/B 15xx            FWHM / FWTM: 263.0° / 327.0°            Efficiency: 95 %            Peak intensity: 0.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:            F15256_HEKLA-SOCKET-D</p>	
<p><b>NICHIA</b></p> <p>LED: COB L-Type (LES 9)            FWHM / FWTM: 264.0° / 328.0°            Efficiency: 90 %            Peak intensity: 0.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:            Bender Wirth: 638a Hekla</p>	
<p><b>NICHIA</b></p> <p>LED: COB S-Type (LES 7)            FWHM / FWTM: 263.0° / 327.0°            Efficiency: 91 %            Peak intensity: 0.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:            Bender Wirth: 652a Hekla</p>	
<p><b>NICHIA</b></p> <p>LED: NF2x757G            FWHM / FWTM: 262.0° / 322.0°            Efficiency: 91 %            Peak intensity: 0.1 cd/lm            LEDs/each optic: 4            Light colour: White            Required components:            C16142_HEKLA-SOCKET-K</p>	



### OPTICAL RESULTS (SIMULATED):



### 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.

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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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