

## STELLA-RS

~25° spot beam. Compatible with up to 30 mm  
LES size COBs.

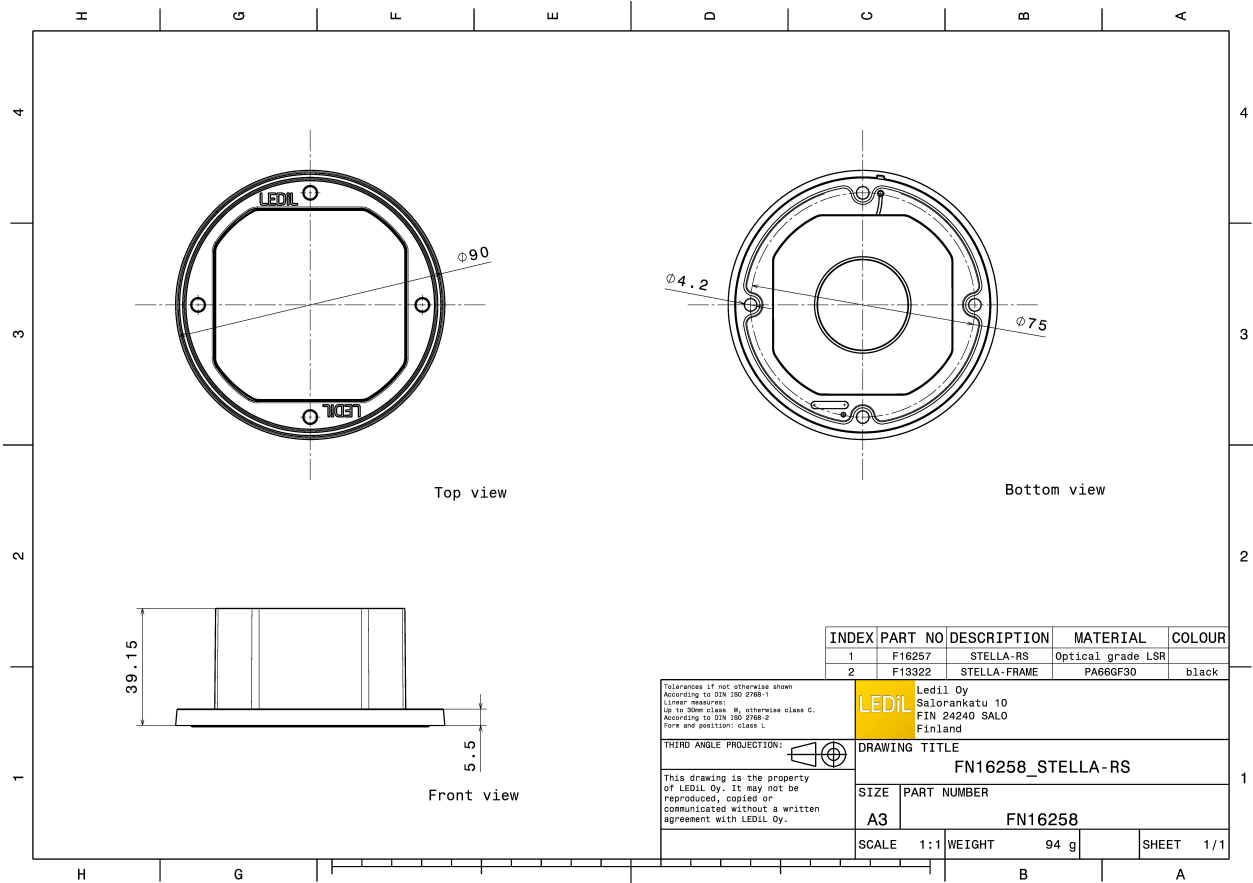
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	39.2 mm
Fastening	screw
Colour	black
Box size	480 x 280 x 300 mm
Box weight	9.8 kg
Quantity in Box	90 pcs
ROHS compliant	yes ⓘ


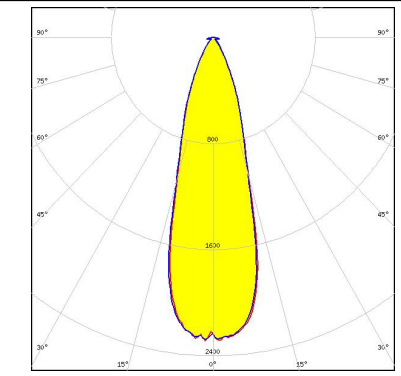
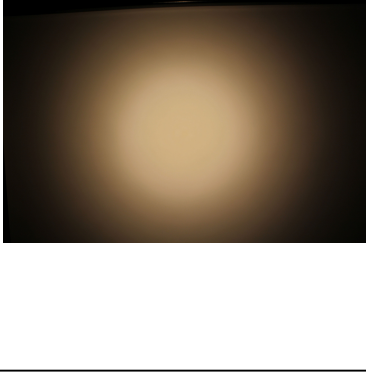
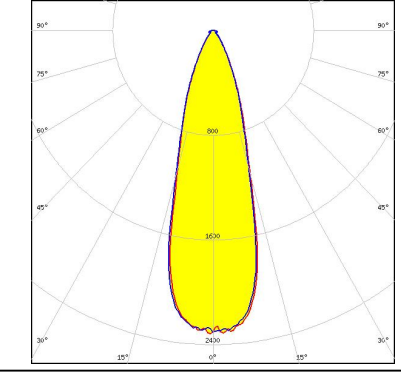

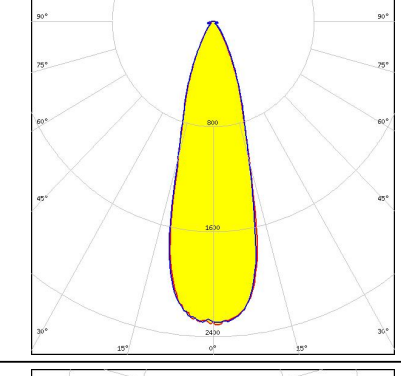

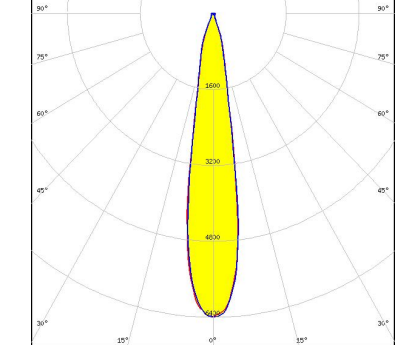


### MATERIAL SPECIFICATIONS:

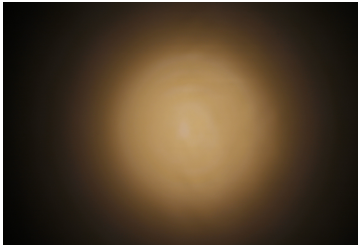
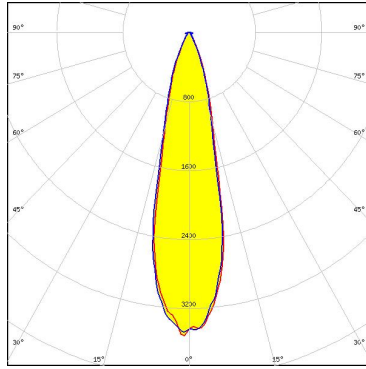
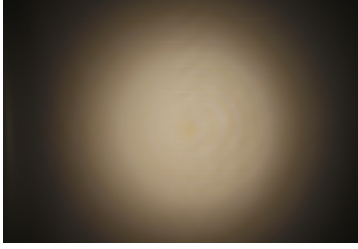
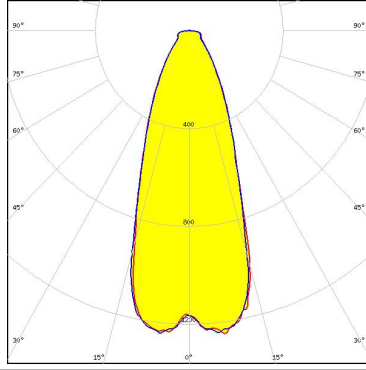
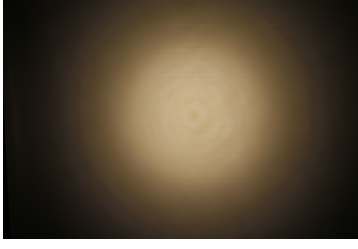
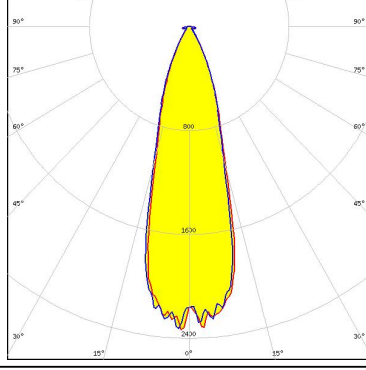


Component	Type	Material	Colour
STELLA-RS	Single lens	Silicone	
STELLA-FRAME	Holder	PA66	



#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V22 Gen7</p> <p>FWHM 29.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 2.300 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED V22 Gen7</p> <p>FWHM 29.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 2.300 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: TE: 2213480-1</p>		
<p>bridgelux.</p> <p>LED V22 Gen7</p> <p>FWHM 29.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 2.300 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 431 Typ Z1</p>		
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 18.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 6.400 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

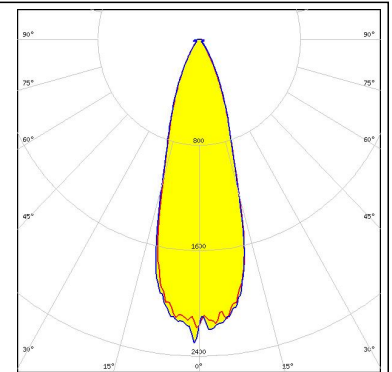
<p><b>bridgelux</b></p> <p>LED VERO18            FWHM 24.0°            Efficiency 94 %            Peak intensity 3.500 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>bridgelux</b></p> <p>LED VERO29            FWHM 39.0°            Efficiency 94 %            Peak intensity 1.300 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CITIZEN</b></p> <p>LED CLL04x/CLU04x            FWHM 29.0°            Efficiency 94 %            Peak intensity 2.400 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b></p> <p>LED CXA/B 1816 &amp; CXA/B 1820 &amp; CXA 1850            FWHM 18.0°            Efficiency 94 %            Peak intensity 6.500 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		



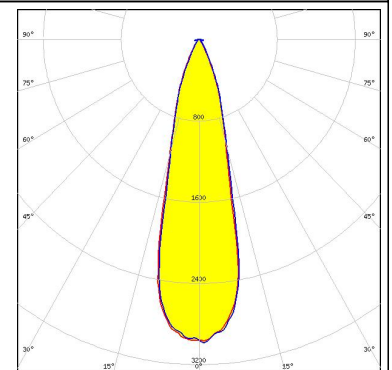
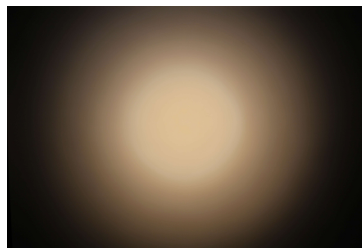
#### PHOTOMETRIC DATA (MEASURED):



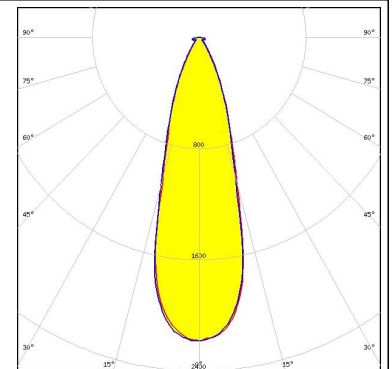
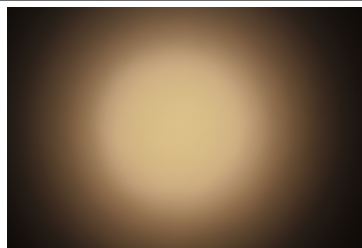
LED CXA/B 30xx  
 FWHM 31.0°  
 Efficiency 94 %  
 Peak intensity 2.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



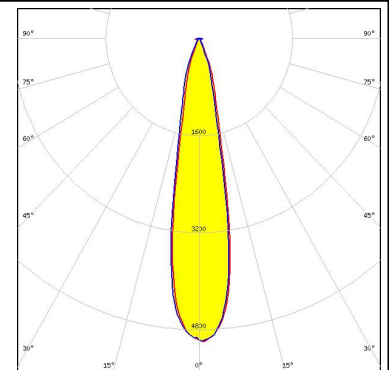
LED LUXEON CoB 1211  
 FWHM 26.0°  
 Efficiency 94 %  
 Peak intensity 3.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 431 Typ L3



LED COB H-Type  
 FWHM 30.0°  
 Efficiency 94 %  
 Peak intensity 2.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



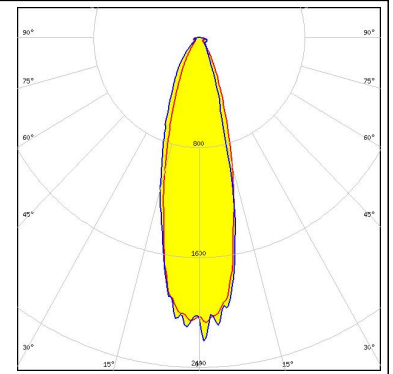
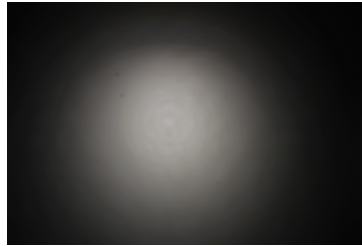
LED COB J-Type  
 FWHM 20.0°  
 Efficiency 94 %  
 Peak intensity 5.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



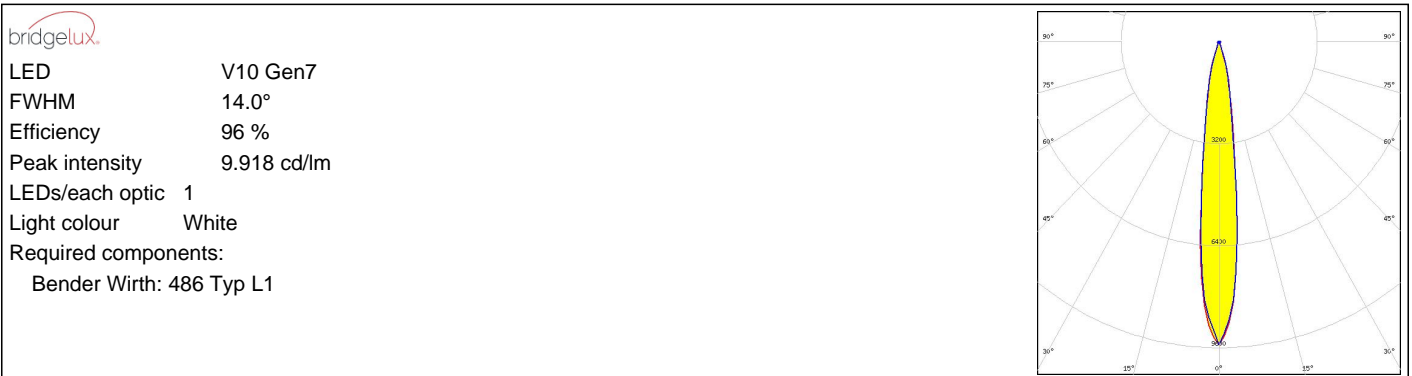
### PHOTOMETRIC DATA (MEASURED):

#### SAMSUNG

LED COB D Series LES 22 mm  
FWHM 29.0°  
Efficiency 93 %  
Peak intensity 2.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

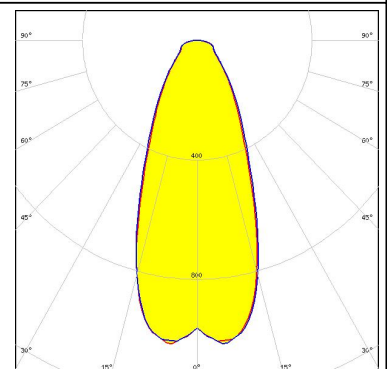


#### CITIZEN

LED	CLL03x/CLU03x
FWHM	18.0°
Efficiency	95 %
Peak intensity	5.794 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

#### CITIZEN

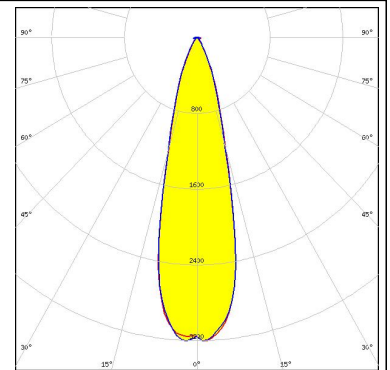
LED	CLL05x/CLU05x
FWHM	43.0°
Efficiency	94 %
Peak intensity	1.020 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



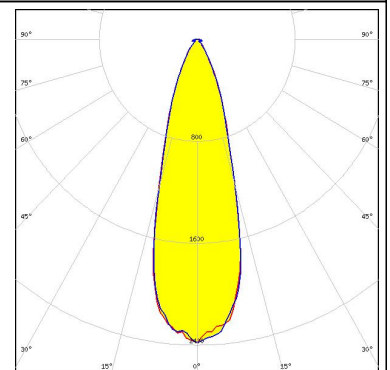
#### PHOTOMETRIC DATA (SIMULATED):



LED CMA2550  
 FWHM 27.0°  
 Efficiency 94 %  
 Peak intensity 3.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED CMA3090  
 FWHM 30.0°  
 Efficiency 94 %  
 Peak intensity 2.420 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED CMT19xx  
 FWHM 20.0°  
 Efficiency 95 %  
 Peak intensity 5.034 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

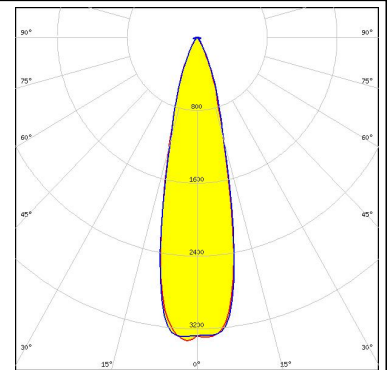


LED CMT28xx  
 FWHM 30.0°  
 Efficiency 95 %  
 Peak intensity 2.429 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

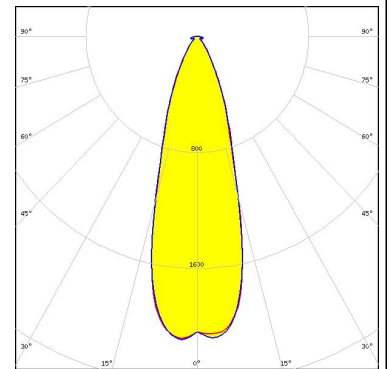
### PHOTOMETRIC DATA (SIMULATED):



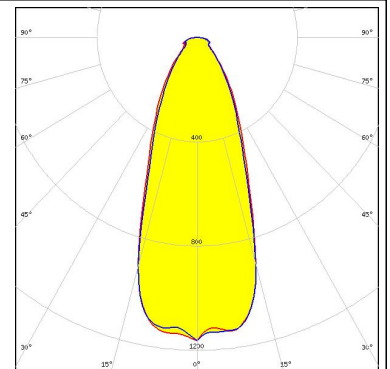
LED CXA/B 25xx  
 FWHM 25.0°  
 Efficiency 94 %  
 Peak intensity 3.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



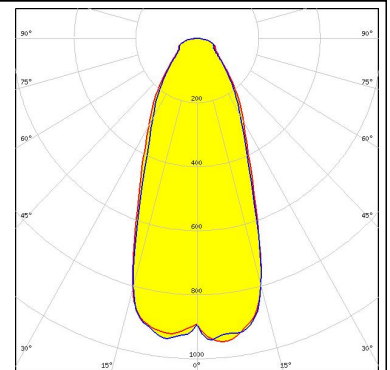
LED LUXEON CoB 1216/1812  
 FWHM 31.0°  
 Efficiency 94 %  
 Peak intensity 2.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON CoB 1321  
 FWHM 41.0°  
 Efficiency 94 %  
 Peak intensity 1.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



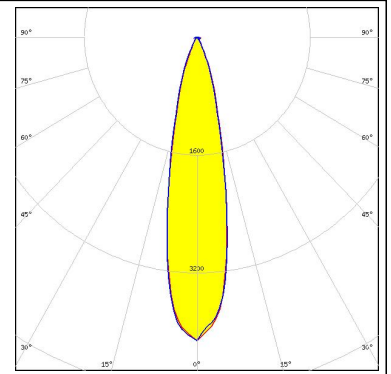
LED LUXEON CoB 1825  
 FWHM 44.1°  
 Efficiency 94 %  
 Peak intensity 0.940 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



## PHOTOMETRIC DATA (SIMULATED):

### TRIDONIC

LED SLE G6 LES19  
FWHM 23.0°  
Efficiency 94 %  
Peak intensity 4.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 466 Typ L4





### 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

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Local sales and technical support

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