


## FLORENCE-3R-IP-Z60

~60° wide beam

### TECHNICAL SPECIFICATIONS:

Dimensions	321.0 x 79.0 mm
Height	9.4 mm
Fastening	screw
ROHS compliant	yes 

### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
FLORENCE-3R-IP-Z60	Linear lens	PC	clear	
FLORENCE-3R-IP-SEAL	Seal	Silicone	clear	



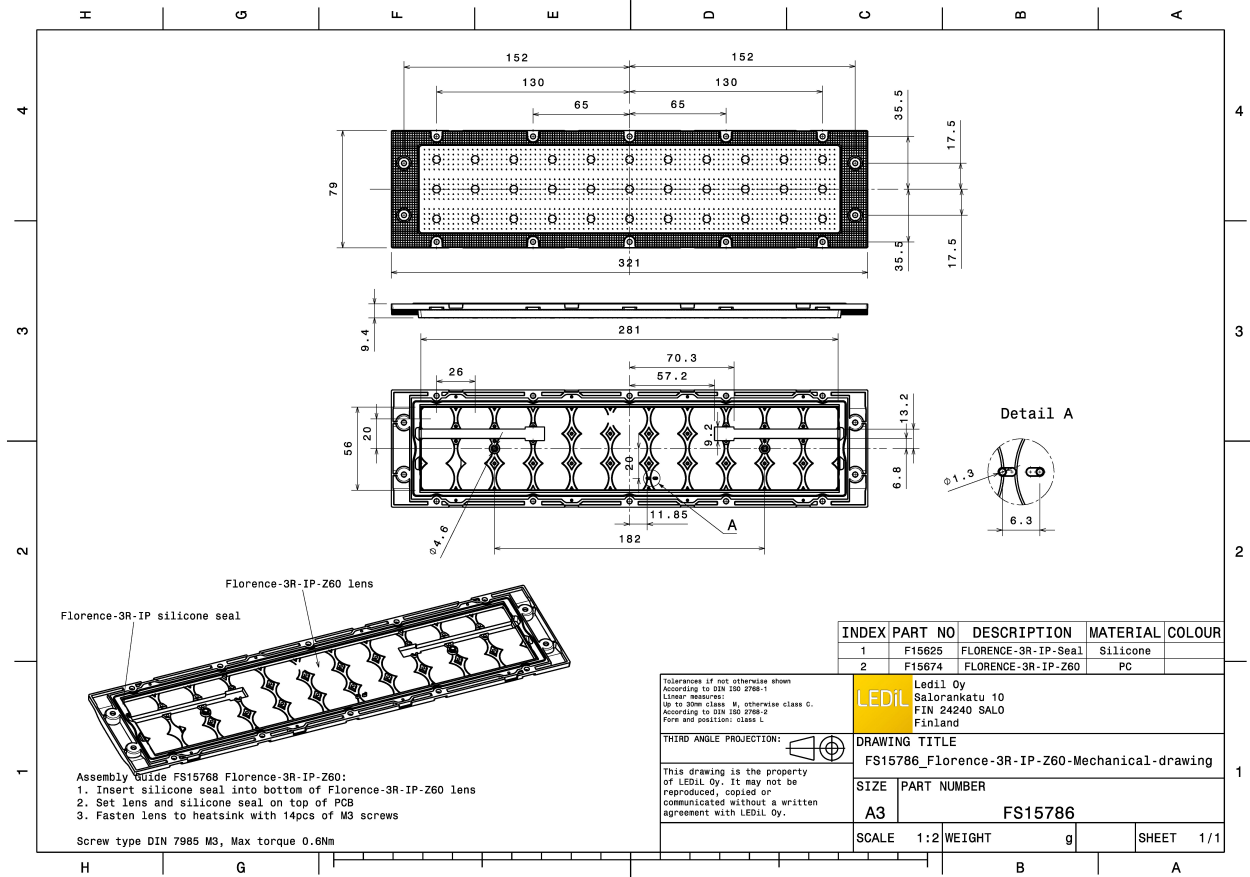
### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FS15786_FLORENCE-3R-IP-Z60 » Box size: 356 x 356 x 292 mm	Linear lens	80	80	4	13.0

# LEDiL®

## PRODUCT DATASHEET

### FS15786\_FLORENCE-3R-IP-Z60



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F15625	FLORENCE-3R-IP-Seal	Silicone	
2	F15674	FLORENCE-3R-IP-Z60	PC	

**LEDiL Oy**  
Salorankatu 10  
FIN 24240 SALO  
Finland

Tolerance if not otherwise shown according to DIN ISO 2768-1  
Linear measures: M, otherwise class C, according to DIN ISO 2768-2  
Form and position: class L

THIRD ANGLE PROJECTION:

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**DRAWING TITLE**  
FS15786\_Florence-3R-IP-Z60-Mechanical-drawing

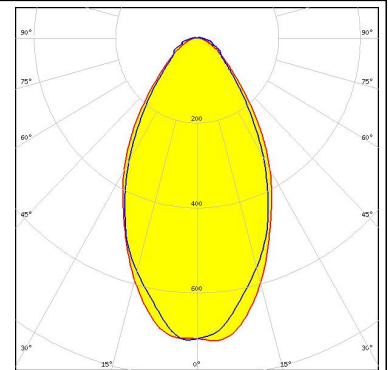
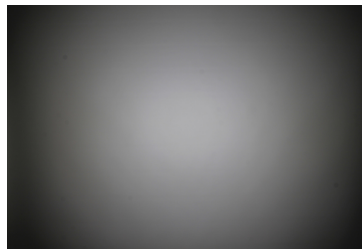
**SIZE** PART NUMBER  
A3 FS15786

**SCALE** 1:2 **WEIGHT** g **SHEET** 1/1

#### PHOTOMETRIC DATA (MEASURED):

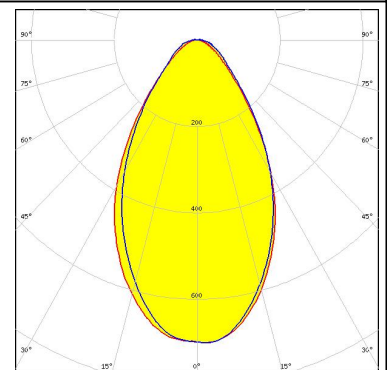
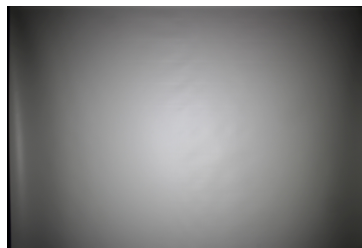
##### LG Innotek

LED LG 6030  
 FWHM 60.0°  
 Efficiency 86 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



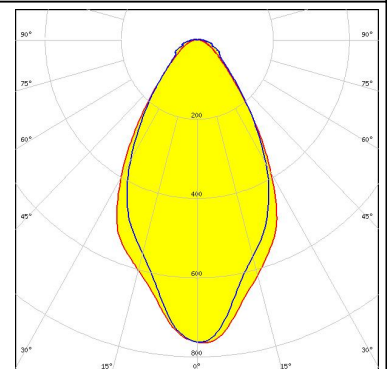
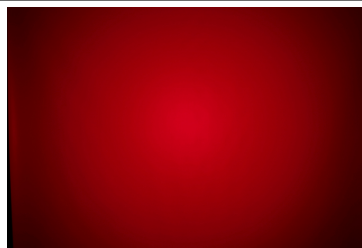
##### LUMILEDS

LED LUXEON 5050 Round LES  
 FWHM 62.5 + 60.0°  
 Efficiency 87 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



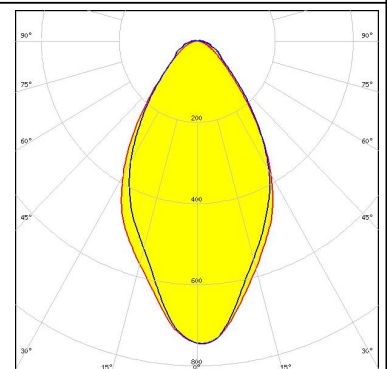
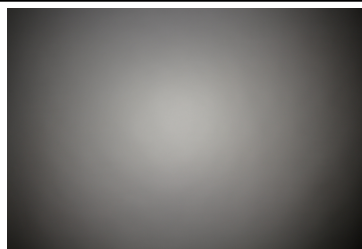
##### LUMINUS

LED SST-10-B130  
 FWHM 61.0°  
 Efficiency 88 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour Deep Red  
 Required components:



##### NICHIA

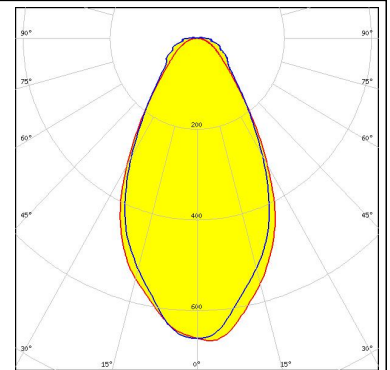
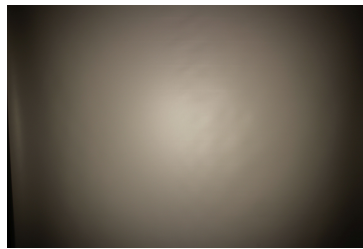
LED NVSxx19B/NVSxx19C  
 FWHM 59.0°  
 Efficiency 87 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

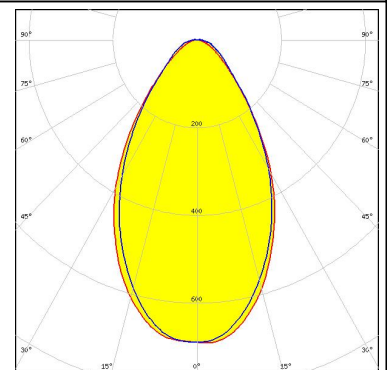
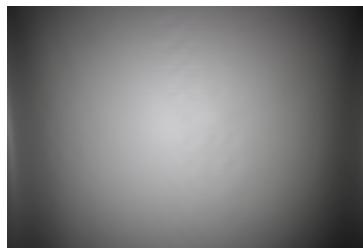
##### OSRAM Opto Semiconductors

LED Duris S2  
FWHM 58.0°  
Efficiency 82 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



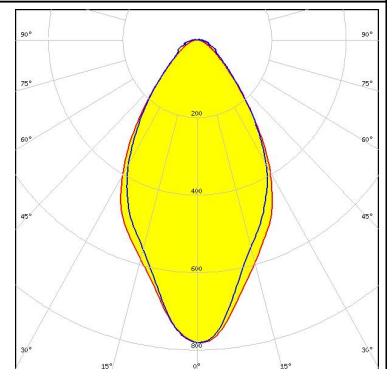
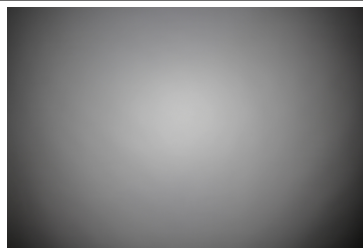
##### OSRAM Opto Semiconductors

LED Duris S8  
FWHM 62.0°  
Efficiency 86 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



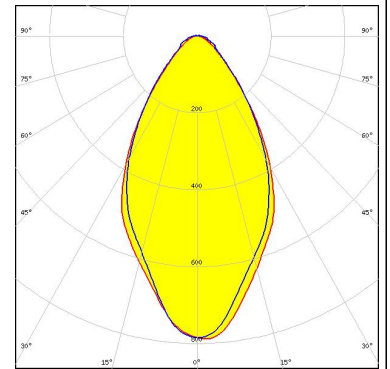
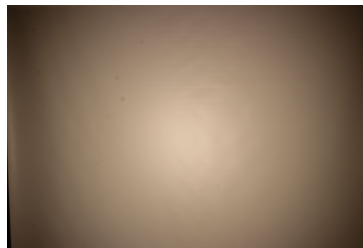
##### OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM 59.0°  
Efficiency 88 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



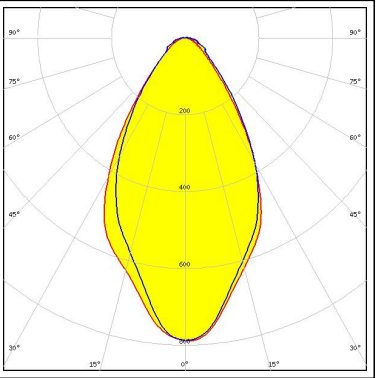
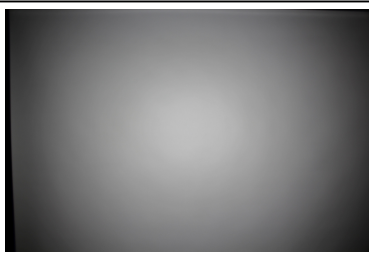
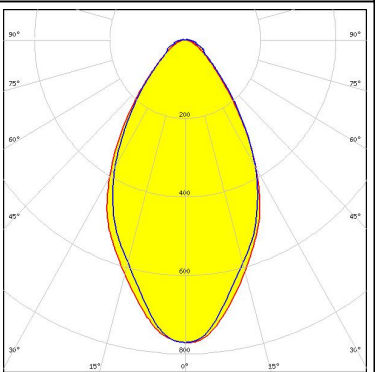


##### SEOUL SEMICONDUCTOR


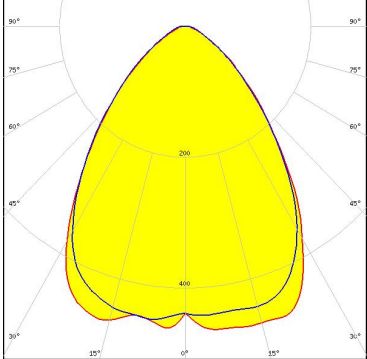

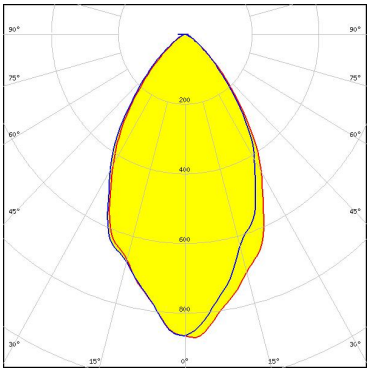

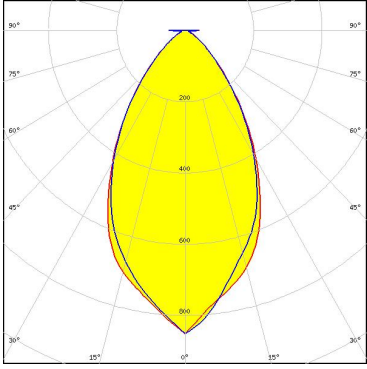

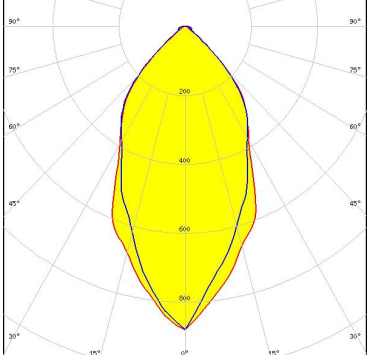
LED SEOUL 5630C  
FWHM 59.0°  
Efficiency 87 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



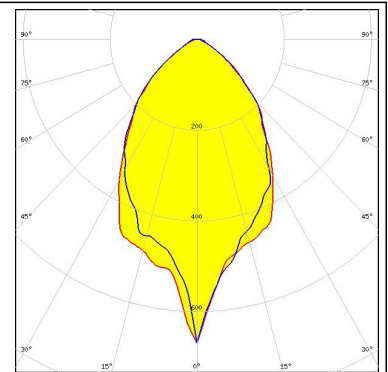
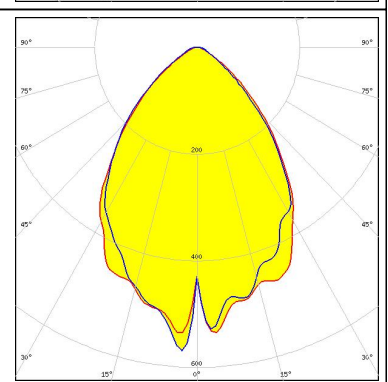
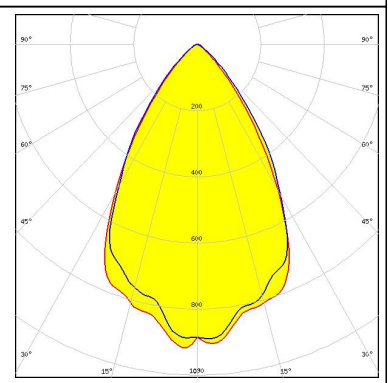
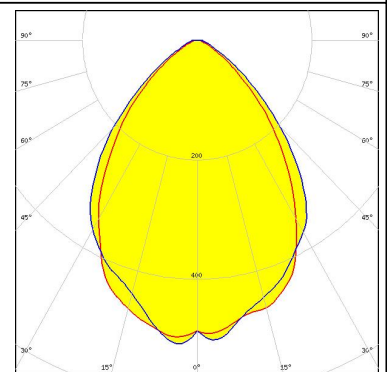
#### PHOTOMETRIC DATA (MEASURED):

<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED                    SEOUL DC 3030            FWHM                60.0 + 57.0°            Efficiency            88 %            Peak intensity      0.8 cd/lm            LEDs/each optic    1            Light colour        White            Required components:</p>		
<p><b>TRIDONIC</b></p> <p>LED                    LLE G2 55x280mm 2000lm            FWHM                59.0°            Efficiency            88 %            Peak intensity      0.8 cd/lm            LEDs/each optic    1            Light colour        White            Required components:</p>		

#### PHOTOMETRIC DATA (SIMULATED):

<p> <b>bridgelux</b></p> <p>LED                    Bridgelux SMD 5050            FWHM                79.0°            Efficiency            83 %            Peak intensity        0.5 cd/lm            LEDs/each optic    1            Light colour         White            Required components:</p>	
<p> <b>CREE</b></p> <p>LED                    XP-G2            FWHM                60.0°            Efficiency            92 %            Peak intensity        0.9 cd/lm            LEDs/each optic    1            Light colour         White            Required components:</p>	
<p> <b>CREE</b></p> <p>LED                    XP-G3            FWHM                59.0°            Efficiency            92 %            Peak intensity        0.9 cd/lm            LEDs/each optic    1            Light colour         White            Required components:</p>	
<p> <b>LG Innotek</b></p> <p>LED                    LG 3528            FWHM                52.0°            Efficiency            91 %            Peak intensity        0.9 cd/lm            LEDs/each optic    1            Light colour         White            Required components:</p>	

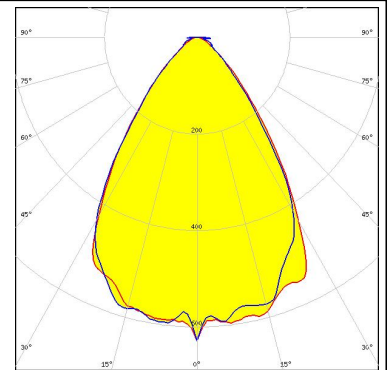
#### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CZ            FWHM 61.0°            Efficiency 83 %            Peak intensity 0.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Duris E 2835            FWHM 74.0°            Efficiency 84 %            Peak intensity 0.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 3030            FWHM 64.0°            Efficiency 90 %            Peak intensity 0.8 cd/lm            LEDs/each optic 1            Light colour Hyper Red            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 3737 (2W version)            FWHM 78.0°            Efficiency 84 %            Peak intensity 0.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

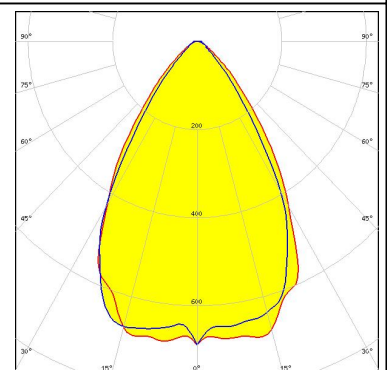
#### SAMSUNG

LED LM302Z  
 FWHM 70.0 + 69.0°  
 Efficiency 83 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 4  
 Light colour White  
 Required components:



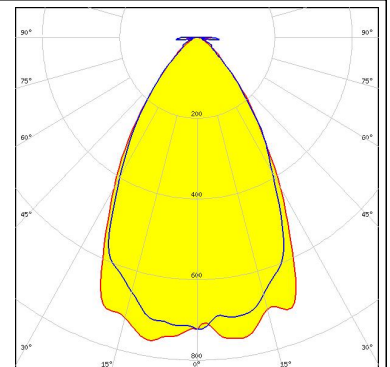
#### SAMSUNG

LED LM302Z  
 FWHM 68.0 + 64.0°  
 Efficiency 85 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 2  
 Light colour White  
 Required components:



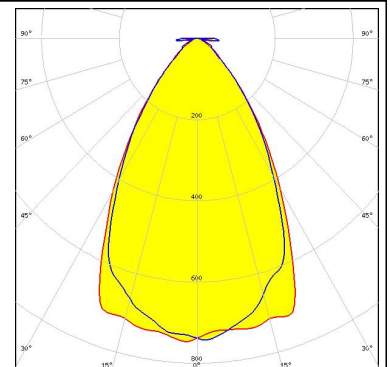
SEOUL SEMICONDUCTOR

LED Z8Y22  
 FWHM 62.0°  
 Efficiency 93 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P  
 FWHM 63.0°  
 Efficiency 93 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





#### 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.

#### 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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#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
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## Данный компонент на территории Российской Федерации

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Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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