

## HEIDI-RS

~8° spot beam

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

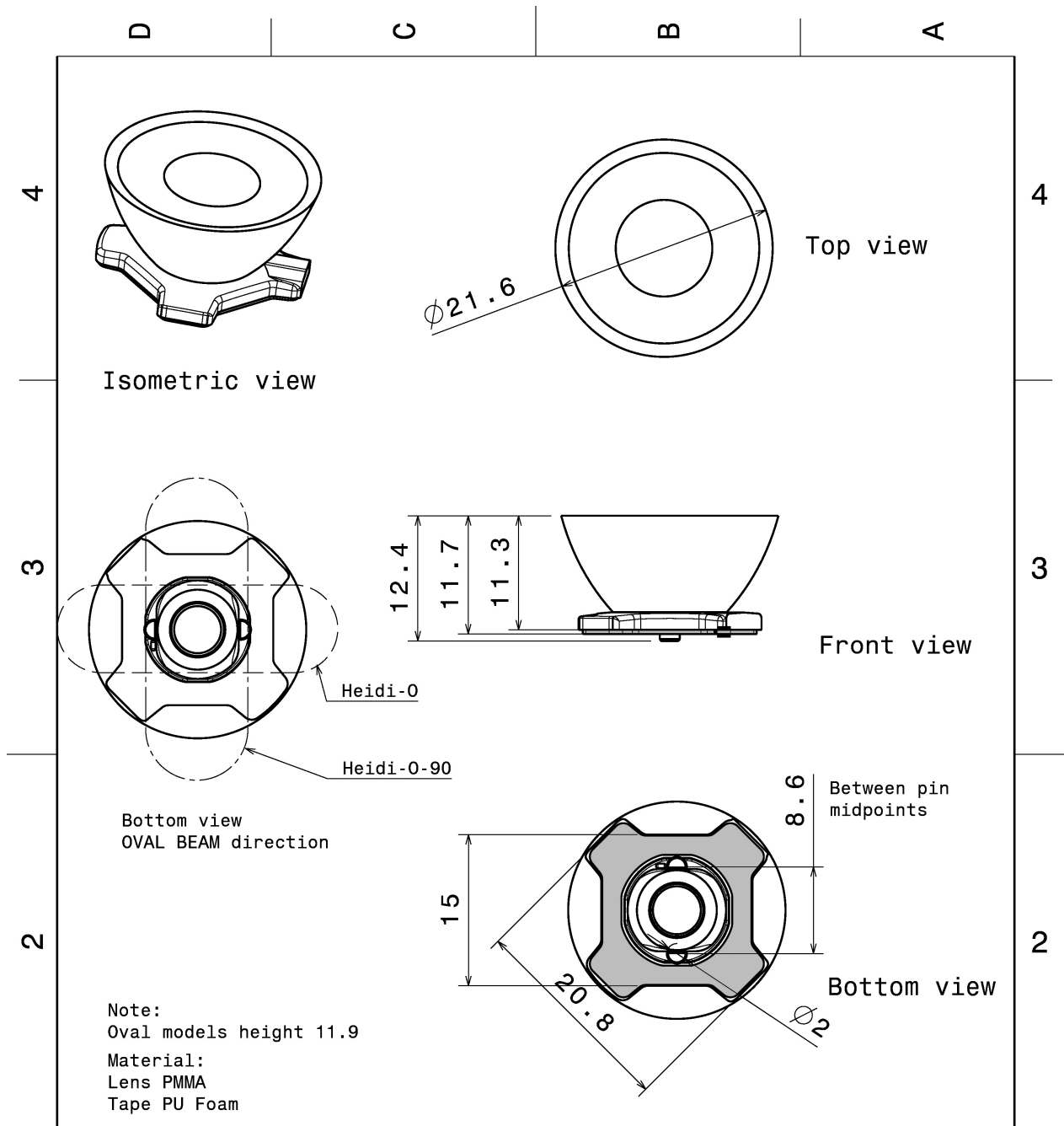
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
HEIDI-RS	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	PU tape	black	



### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12537_HEIDI-RS	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					

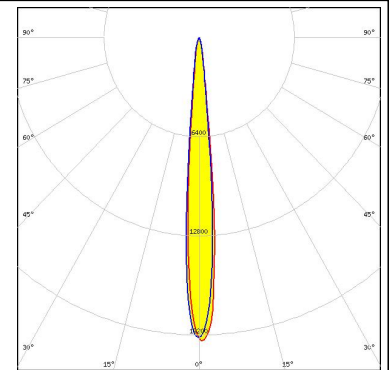


This drawing is our property. It can't be reproduced or communicated without our written agreement.		<b>LEDiL</b>		Ledil Oy Joensuunkatu 13 FIN-24100 SALO Finland	
<b>DRAWING TITLE</b>		<b>Datasheet Heidi-Series Assy</b>			
<b>DRAWN BY</b> ah	<b>DATE</b> 1.2.2012	<b>SIZE</b> A4	<b>DRAWING NUMBER</b>		<b>REV</b> 2
<b>CHECKED BY</b>	<b>DATE</b>	<b>SCALE</b> 2:1	<b>WEIGHT (g)</b>	<b>SHEET</b> 1/1	
<b>DESIGNED BY</b>	<b>DATE</b>				

### PHOTOMETRIC DATA (MEASURED):

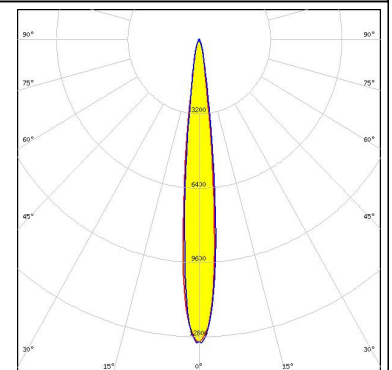
#### CREE

LED XP-G2  
FWHM 10.0°  
Efficiency 94 %  
Peak intensity 20 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



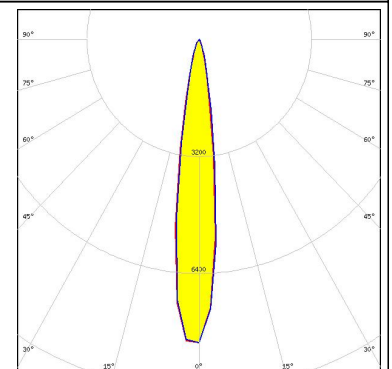
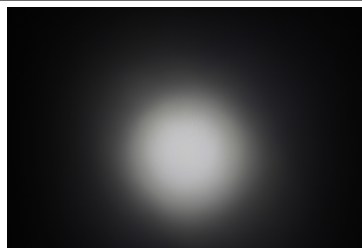
#### CREE

LED XP-G3  
FWHM 12.0°  
Efficiency 94 %  
Peak intensity 13 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



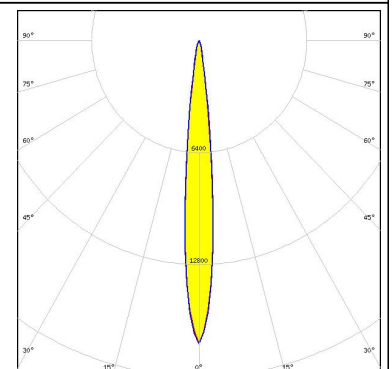
#### CREE

LED XP-L HD  
FWHM 15.0°  
Efficiency 89 %  
Peak intensity 8.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

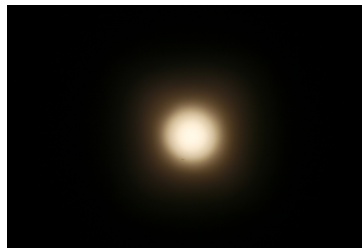
LED LUXEON A  
FWHM 11.0°  
Efficiency 87 %  
Peak intensity 15.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

##### LUMILEDS

LED LUXEON Rebel  
 FWHM 8.0°  
 Efficiency 88 %  
 Peak intensity 26 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



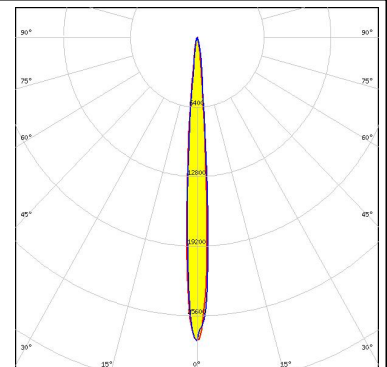
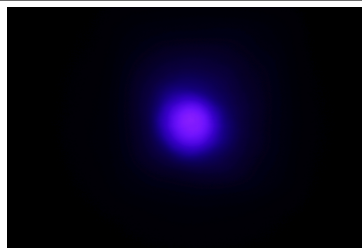
##### LUMILEDS

LED LUXEON Rebel ES  
 FWHM 11.0°  
 Efficiency 86 %  
 Peak intensity 15.1 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



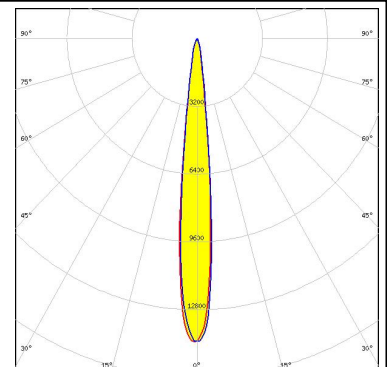
##### LUMINUS

LED SST-10-B130  
 FWHM 8.0°  
 Efficiency 96 %  
 Peak intensity 27.9 cd/Im  
 LEDs/each optic 1  
 Light colour Blue  
 Required components:


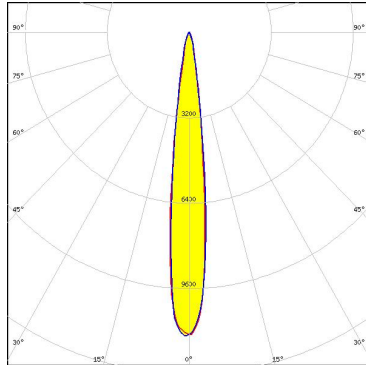

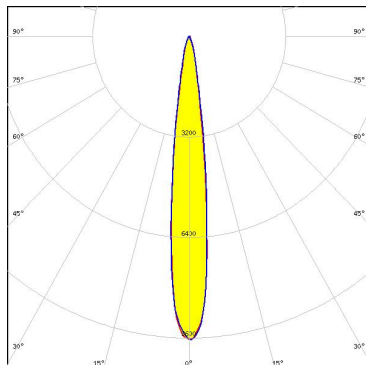

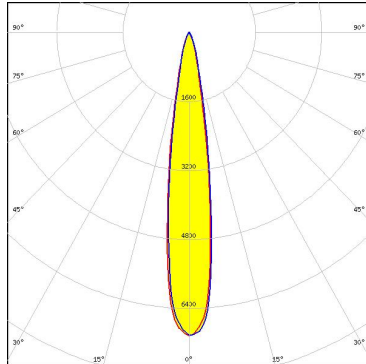

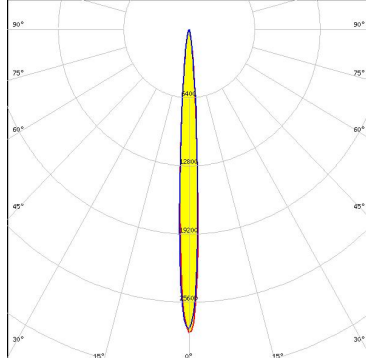


##### NICHIA


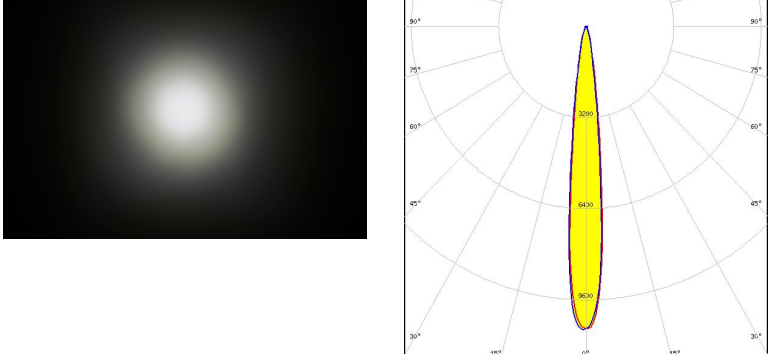
LED NVSW219D  
 FWHM 11.0°  
 Efficiency 94 %  
 Peak intensity 14.3 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NVSW319B            FWHM 13.0°            Efficiency 94 %            Peak intensity 11.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW3x9A            FWHM 13.0°            Efficiency 92 %            Peak intensity 9.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NWSx229A            FWHM 16.0°            Efficiency 87 %            Peak intensity 7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSOLON SSL 150            FWHM 7.0°            Efficiency 89 %            Peak intensity 28.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

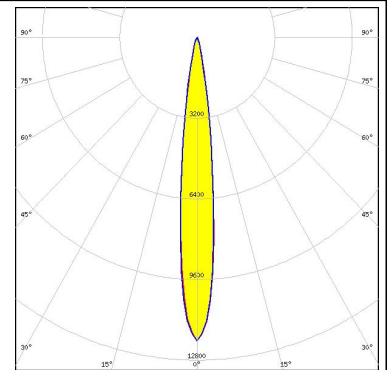
## PHOTOMETRIC DATA (MEASURED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED PLPVEC2 850A            FWHM 6.0°            Efficiency %            LEDs/each optic 1            Light colour IR            Required components:</p>	
<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED Z5M3            FWHM 11.0°            Efficiency 94 %            Peak intensity 12.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P            FWHM 12.0°            Efficiency 94 %            Peak intensity 10.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

### PHOTOMETRIC DATA (SIMULATED):



LED XP-G2 HE  
 FWHM 12.0°  
 Efficiency 95 %  
 Peak intensity 12 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



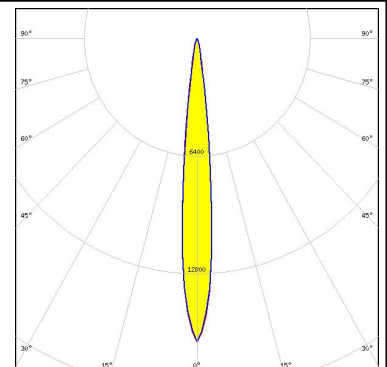
LED LUXEON IR Domed 150  
 FWHM 11.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON IR Domed 90  
 FWHM 11.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

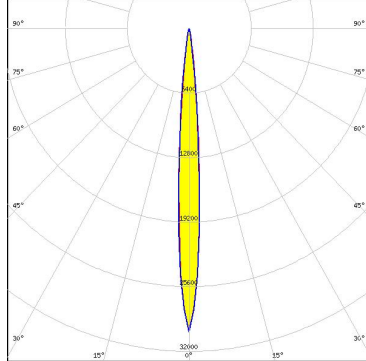
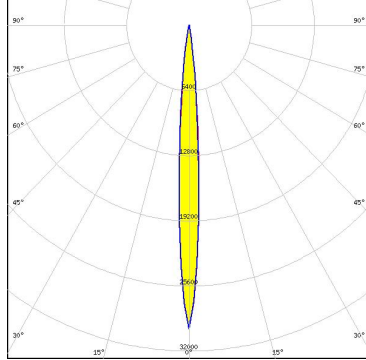
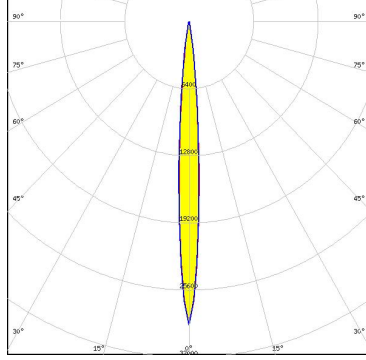
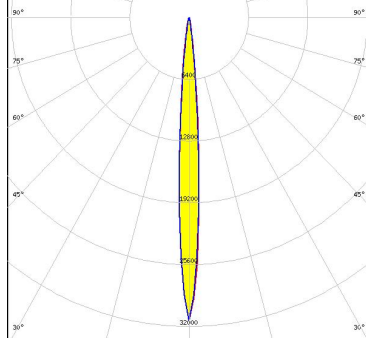


LED LUXEON R  
 FWHM 11.0°  
 Efficiency 92 %  
 Peak intensity 16.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON SunPlus 20 Line (120 deg)            FWHM 8.0°            Efficiency 96 %            Peak intensity 30.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON SunPlus 20 Line (150 deg)            FWHM 7.8°            Efficiency 93 %            Peak intensity 29.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON SunPlus 20 Line (150 deg)            FWHM 8.0°            Efficiency 92 %            Peak intensity 28.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON SunPlus 35 Line            FWHM 7.8°            Efficiency 94 %            Peak intensity 31.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	



### PHOTOMETRIC DATA (SIMULATED):

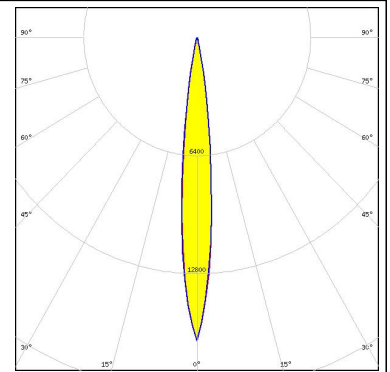
<p><b>NICHIA</b></p> <p>LED: NV4WB35AM            FWHM: 16.0°            Efficiency: 96 %            Peak intensity: 8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSxE21A            FWHM: 10.0°            Efficiency: 94 %            Peak intensity: 19.4 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSxx19B/NVSxx19C            FWHM: 12.0°            Efficiency: 95 %            Peak intensity: 15 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 3737 Flat            FWHM: 10.0°            Efficiency: 96 %            Peak intensity: 16.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

Opto Semiconductors

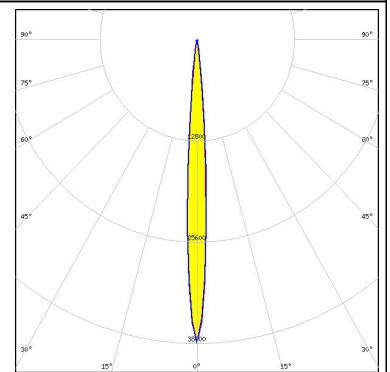
LED OSLON Black  
 FWHM 11.0°  
 Efficiency 93 %  
 Peak intensity 16.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

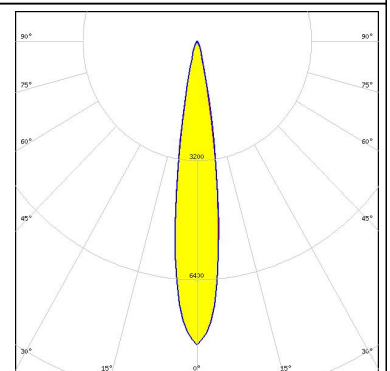
Opto Semiconductors

LED OSLON Black Flat  
 FWHM 7.3°  
 Efficiency 94 %  
 Peak intensity 38.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

LED LH351D  
 FWHM 16.0°  
 Efficiency 94 %  
 Peak intensity 8.2 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.

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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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#### Local sales and technical support

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

#### Shipping locations

Salo, Finland  
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#### Distribution Partners

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

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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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