

## STRADELLA-16-HB-W2

~90° medium beam for industrial applications.  
Improved version with excellent cutoff and low glare.

### TECHNICAL SPECIFICATIONS:

Dimensions	49.5 x 49.5 mm
Height	3.2 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

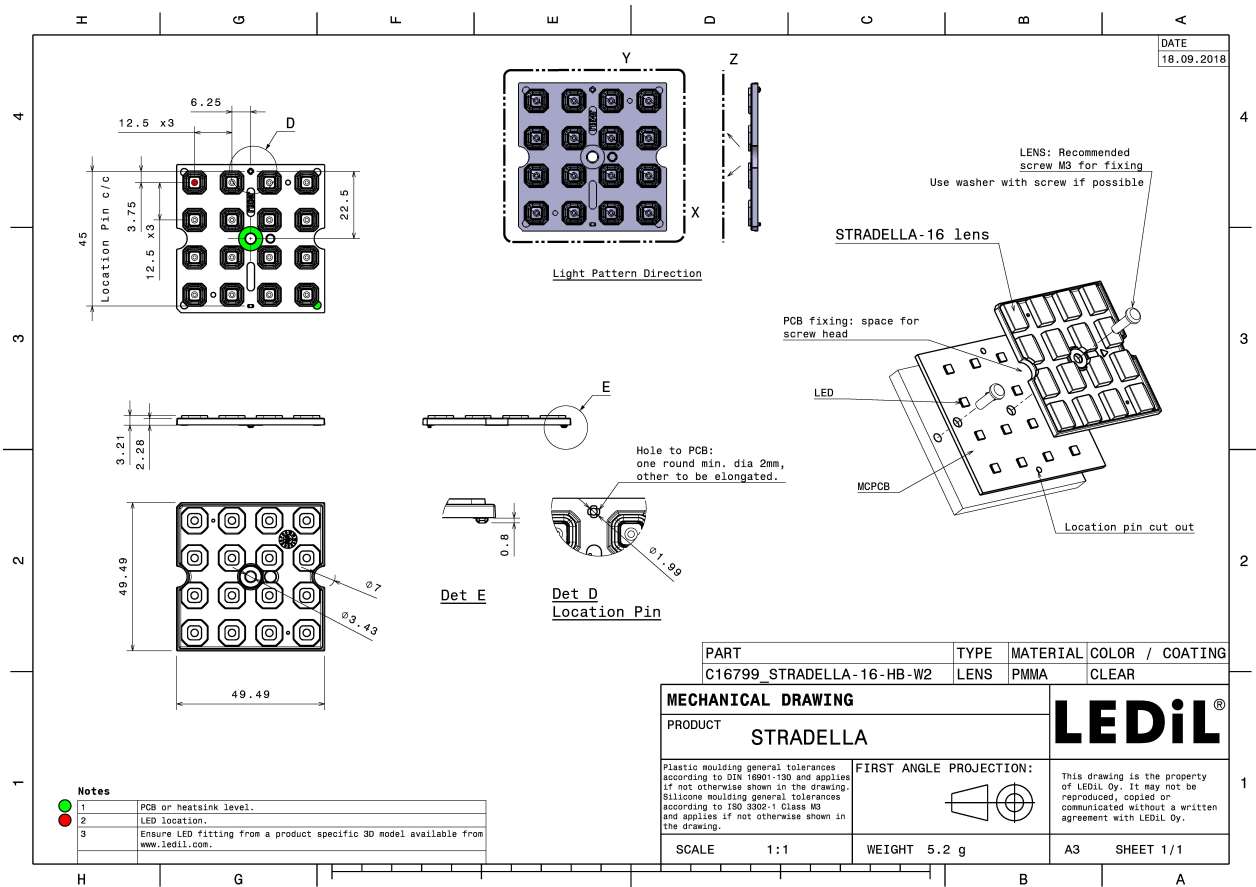


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
STRADELLA-16-HB-W2	Multi-lens	PMMA	clear	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16799_STRADELLA-16-HB-W2	800	160	160	5.0
» Box size: 480 x 280 x 300 mm				



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

Last update: 17/12/2019

Subject to change without prior notice

Published: 20/03/2019

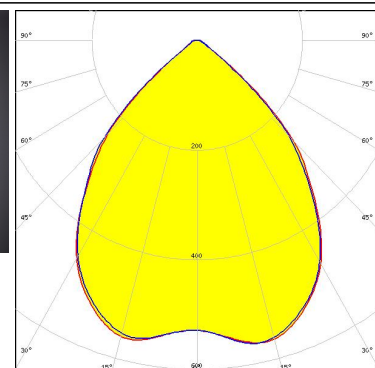
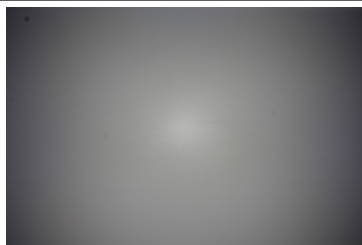
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

2/7

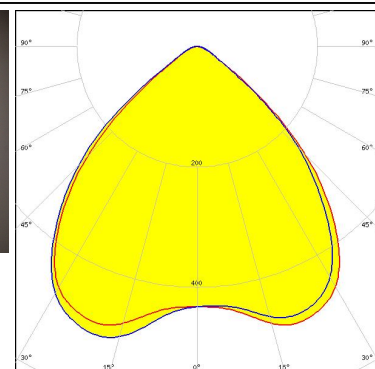
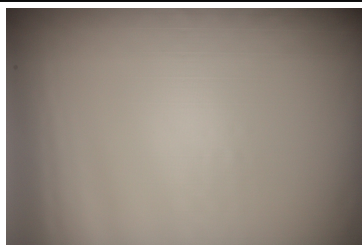
#### PHOTOMETRIC DATA (MEASURED):



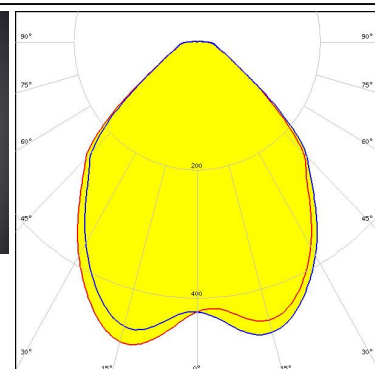
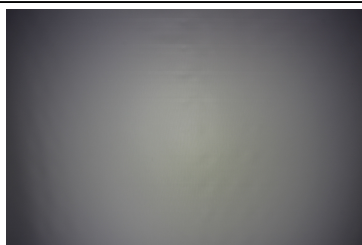
LED J Series 3030  
FWHM / FWTM 86.0° / 110.0°  
Efficiency 97 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED EHP-223.5x50-1604-xx-70-LS30-06-NTC  
FWHM / FWTM 91.0° / 116.0°  
Efficiency 98 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XLE-S44XTEHE (XT-E HE)  
FWHM / FWTM 96.0° / 139.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

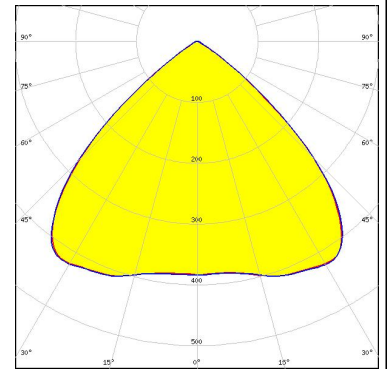


#### PHOTOMETRIC DATA (SIMULATED):

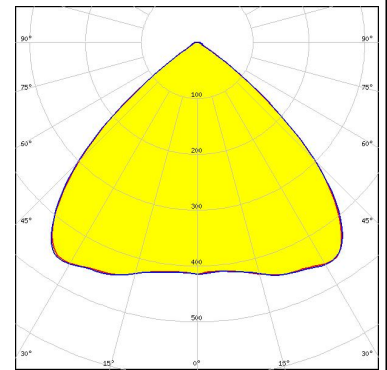


LED LUXEON 2835 Line  
FWHM / FWTM 96.0° / 112.0°  
Efficiency 87 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

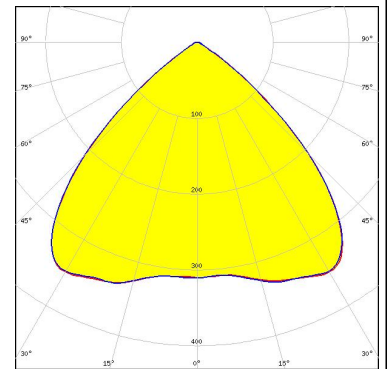
Protective plate, glass



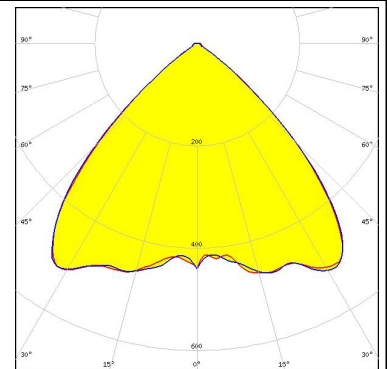
LED LUXEON 2835 Line  
FWHM / FWTM 96.0° / 112.0°  
Efficiency 95 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED Duris S5 (2 chip)  
FWHM / FWTM 94.0° / 114.0°  
Efficiency 71 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSCONIQ C 2424  
FWHM / FWTM 92.0° / 108.0°  
Efficiency 95 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

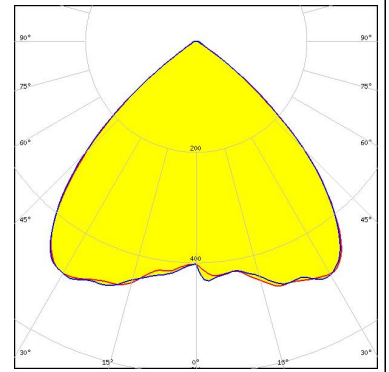


#### PHOTOMETRIC DATA (SIMULATED):

##### OSRAM

Opto Semiconductors

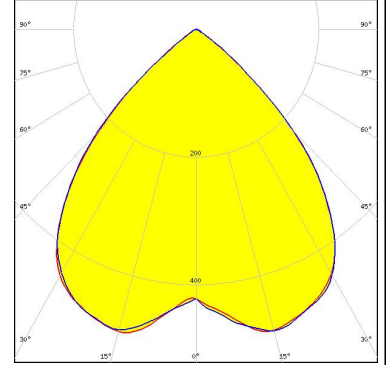
LED OSCONIQ S 3030  
FWHM / FWTM 93.0° / 112.0°  
Efficiency 95 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### SAMSUNG

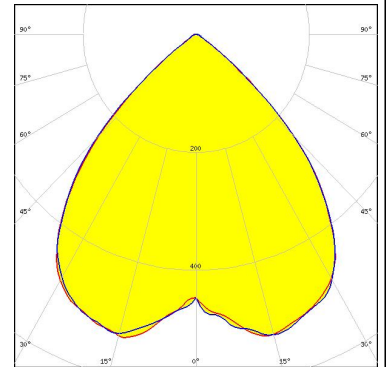
LED LH231B  
FWHM / FWTM 88.0° / 108.0°  
Efficiency 87 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

Protective plate, glass



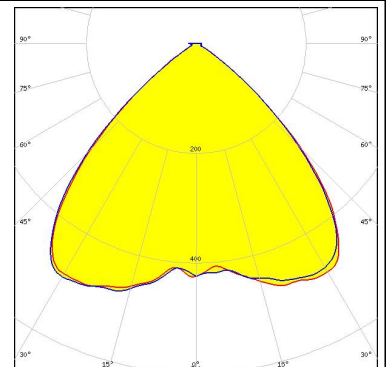
##### SAMSUNG

LED LH231B  
FWHM / FWTM 88.0° / 108.0°  
Efficiency 95 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### SAMSUNG

LED LM301B  
FWHM / FWTM 92.0° / 112.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

 SEOUL SEMICONDUCTOR	LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SEOUL 3030 92.0° / 112.0° 95 % 0.5 cd/lm 1 White	
 SEOUL SEMICONDUCTOR	LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SEOUL DC 3030C 96.0° / 115.0° 95 % 0.5 cd/lm 1 White	

### 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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

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