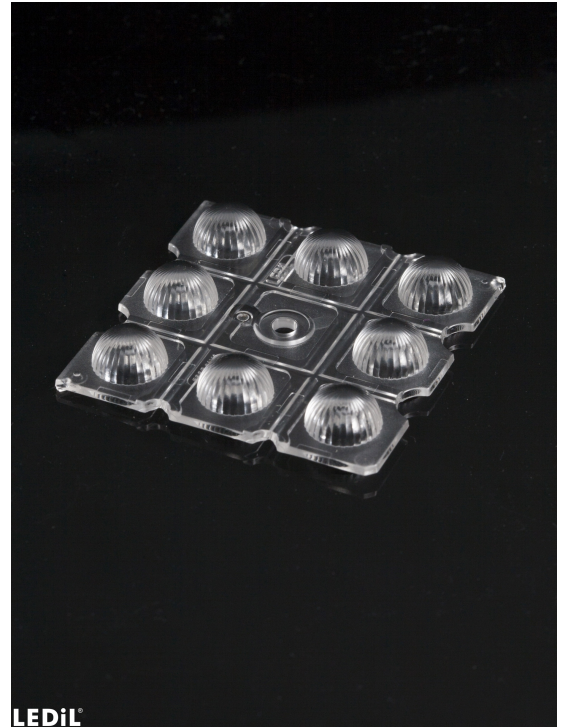


## STRADELLA-8-HV-HB-W

~85° wide beam for industrial applications.  
Variant with improved creepage distance for  
high voltage circuit designs.

## SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	7.1 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

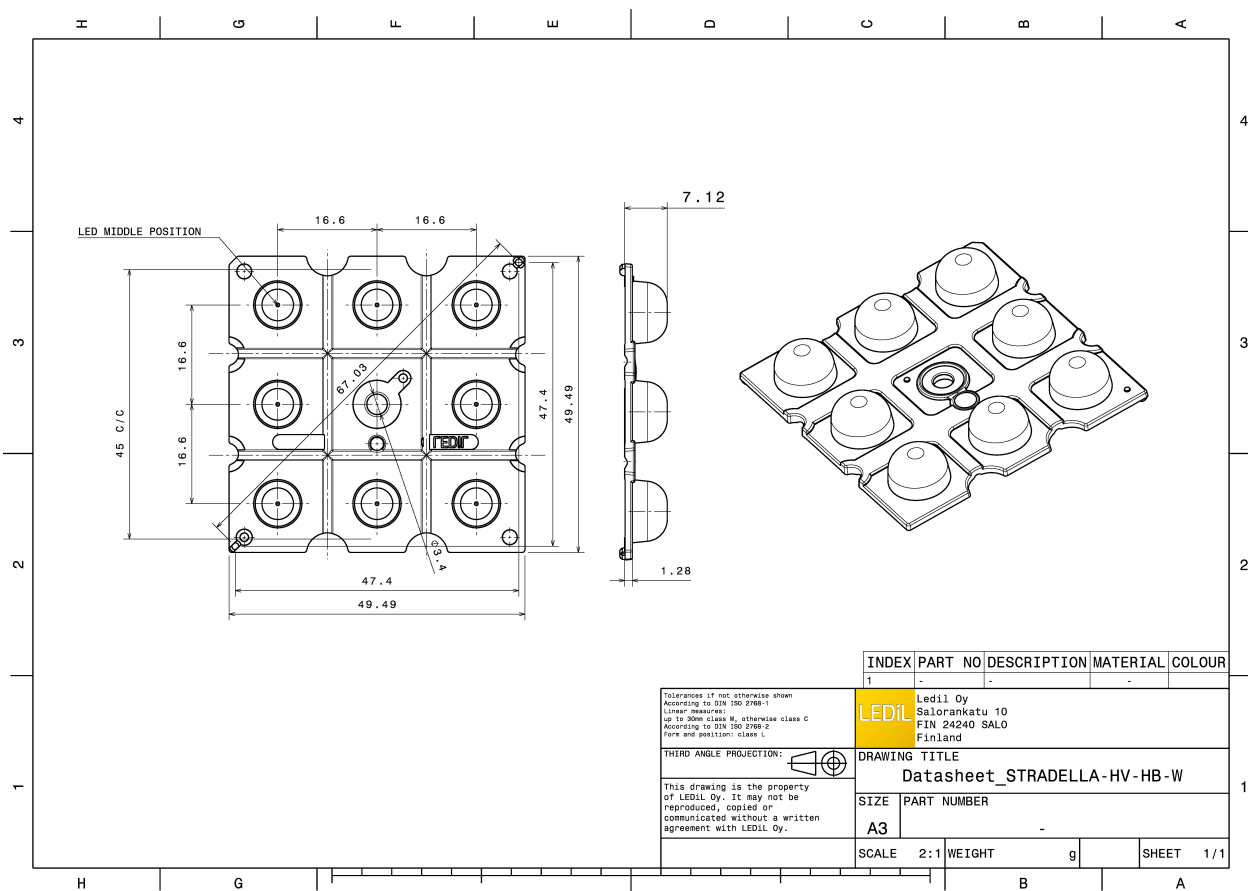


## MATERIALS:

Component	Type	Material	Colour	Finish
STRADELLA-8-HV-HB-W	Multi-lens	PMMA	clear	

## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15985_STRADELLA-8-HV-HB-W » Box size: 480 x 280 x 300 mm	800	160	160	6.0

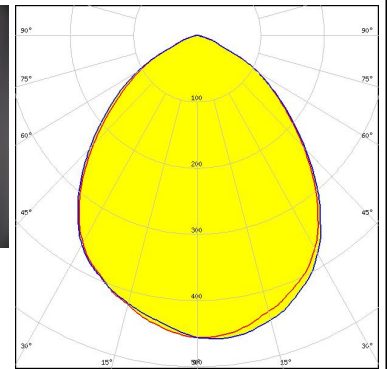
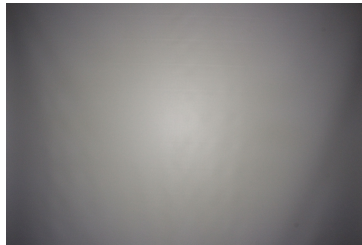


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

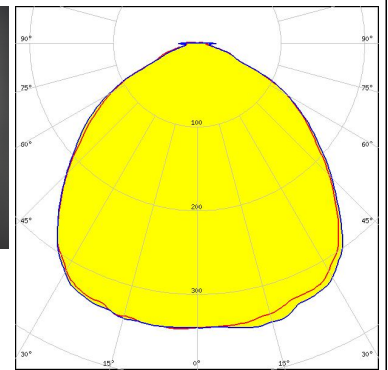
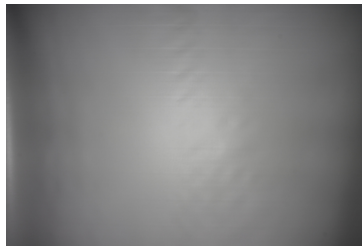
#### OPTICAL RESULTS (MEASURED):



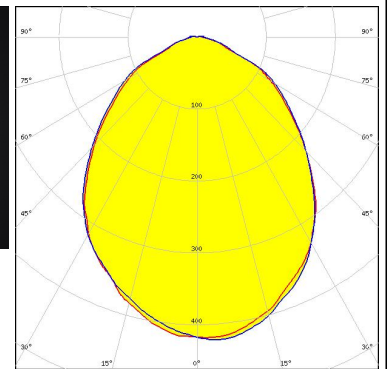
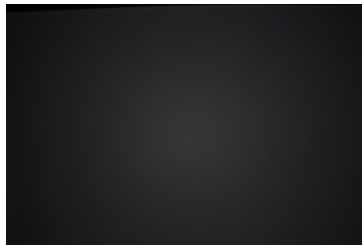
LED J Series 3030  
FWHM / FWTM 92.0° / 133.0°  
Efficiency 97 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



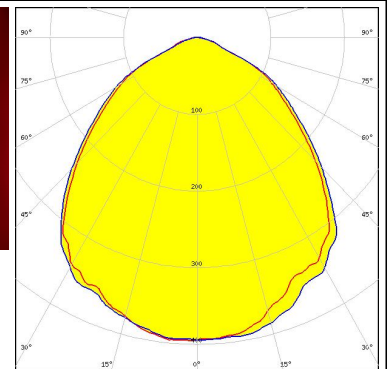
LED XD16  
FWHM / FWTM 104.0° / 146.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XT-E  
FWHM / FWTM 92.0° / 141.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



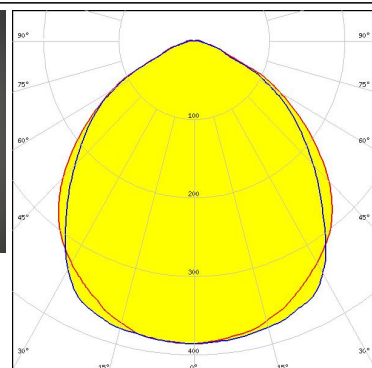
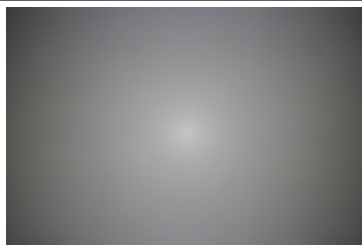
LED SST-10-B130  
FWHM / FWTM 99.0° / 137.0°  
Efficiency 95 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour Deep Red  
Required components:



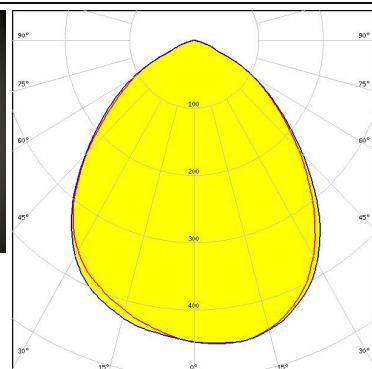
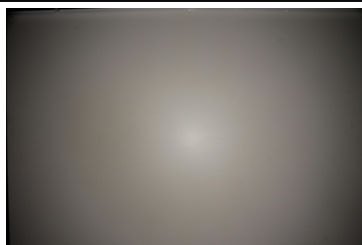
#### OPTICAL RESULTS (MEASURED):



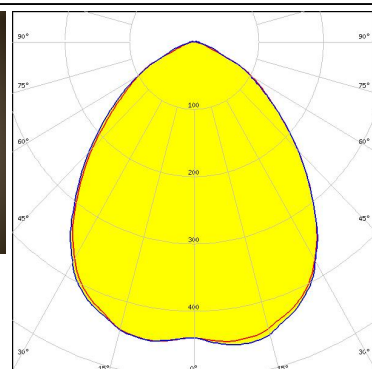
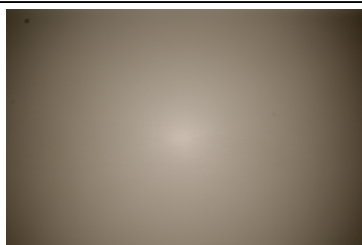
LED NF2W585AR  
FWHM / FWTM 102.0° / 142.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



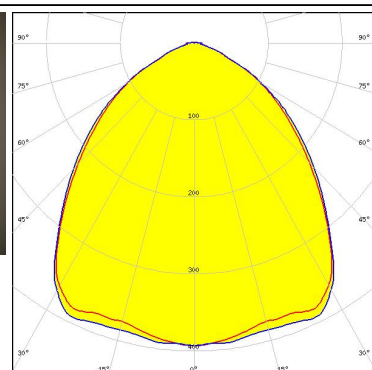
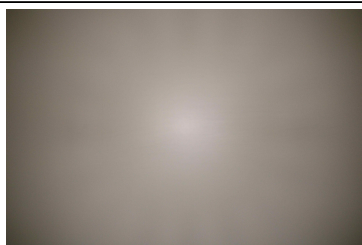
LED OSCONIQ S 3030 (QSLR31)  
FWHM / FWTM 92.0° / 132.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED Fortimo FastFlex LED 4x8up PR G5  
FWHM / FWTM 90.0° / 131.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:


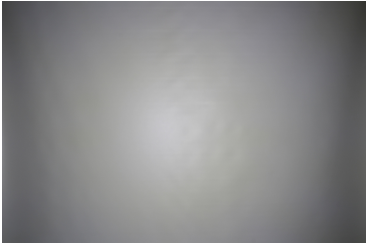
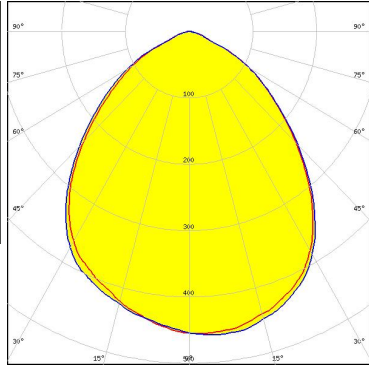


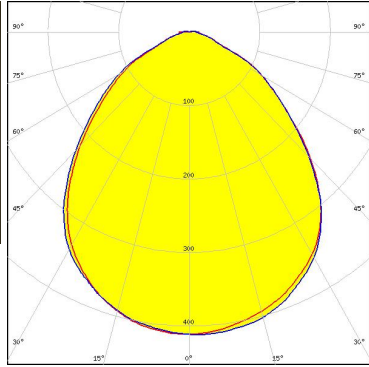


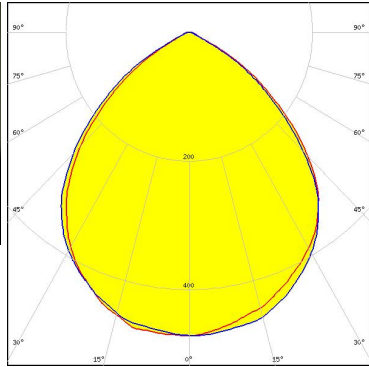



LED LH151B  
FWHM / FWTM 96.0° / 139.0°  
Efficiency 95 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:





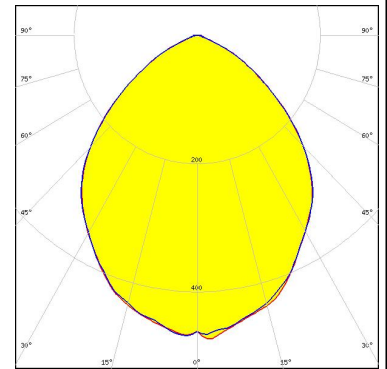
#### OPTICAL RESULTS (MEASURED):

<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: SEOUL DC 3030C</p> <p>FWHM / FWTM: 92.0° / 132.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 0.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		
<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: Z5M3</p> <p>FWHM / FWTM: 96.0° / 139.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 0.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		
<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: Z5M4</p> <p>FWHM / FWTM: 94.0° / 126.0°</p> <p>Efficiency: 98 %</p> <p>Peak intensity: 0.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		
<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: Z8Y19</p> <p>FWHM / FWTM: 100.0° / 142.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 0.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		

#### OPTICAL RESULTS (SIMULATED):



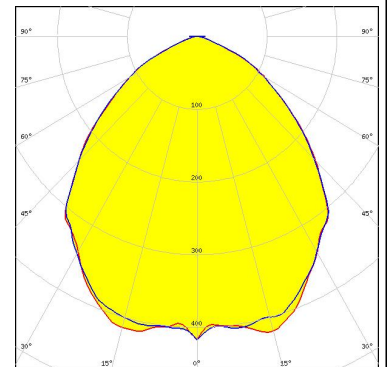
LED XP-G2 HE  
 FWHM / FWTM 92.0° / 132.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G3  
 FWHM / FWTM 94.0° / 141.0°  
 Efficiency 91 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G3  
 FWHM / FWTM 96.0° / 138.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM 87.0° / 130.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

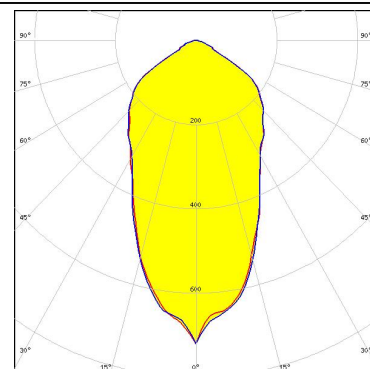
#### OPTICAL RESULTS (SIMULATED):

##### LUMILEDS

LED LUXEON 3535L HE  
FWHM / FWTM 80.0° / 131.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

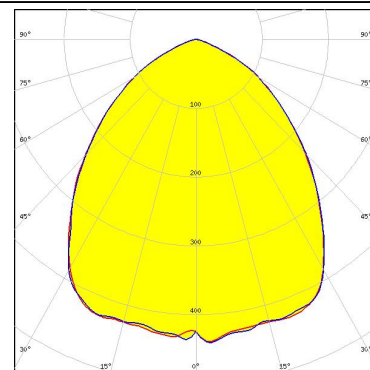
##### LUMILEDS

LED LUXEON CZ  
FWHM / FWTM 52.0° / 122.0°  
Efficiency 96 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### LUMILEDS

LED LUXEON CZ  
FWHM / FWTM 93.0° / 136.0°  
Efficiency 97 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### LUMILEDS

LED LUXEON HR30  
FWHM / FWTM 82.0° / 130.0°  
Efficiency 93 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

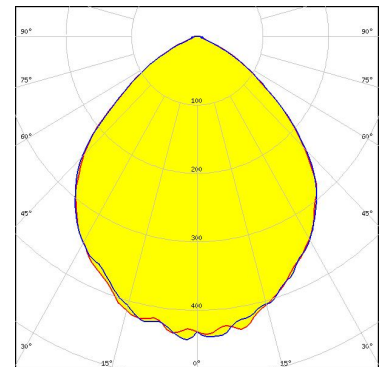
#### OPTICAL RESULTS (SIMULATED):

##### LUMILEDS

LED LUXEON TX  
 FWHM / FWTM 84.0° / 139.0°  
 Efficiency 92 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

##### NICHIA

LED NVSW519A  
 FWHM / FWTM 93.0° / 130.0°  
 Efficiency 89 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

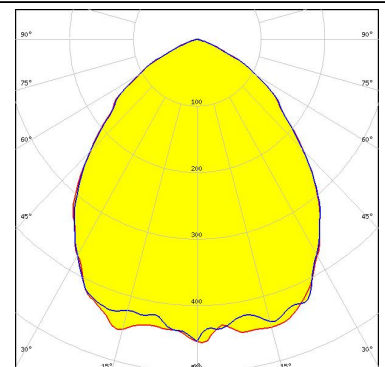


##### NICHIA

LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 95.0° / 134.0°  
 Efficiency 91 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

##### OSRAM

LED OSCONIQ C 2424  
 FWHM / FWTM 92.0° / 134.0°  
 Efficiency 97 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

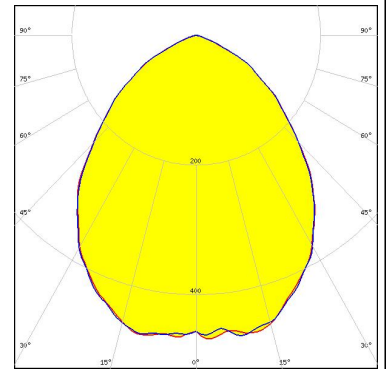


#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

Opto Semiconductors

LED OSCONIQ C 3030  
FWHM / FWTM 90.0° / 134.0°  
Efficiency 97 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

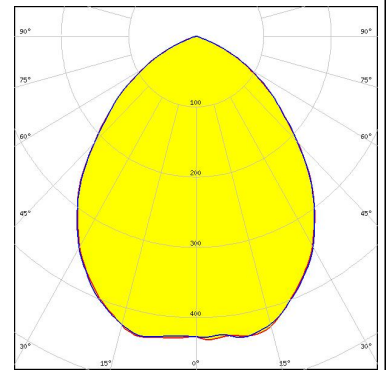


##### OSRAM

Opto Semiconductors

LED OSCONIQ C 3030  
FWHM / FWTM 90.0° / 132.0°  
Efficiency 87 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

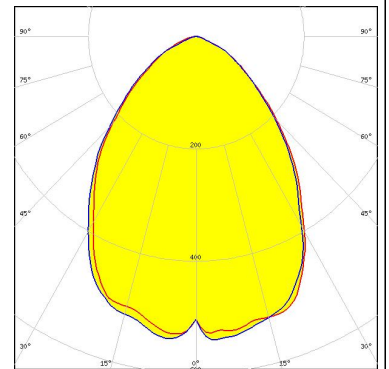
Protective plate, glass



##### OSRAM

Opto Semiconductors

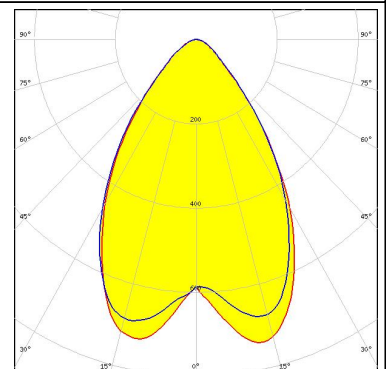
LED OSCONIQ P 3030  
FWHM / FWTM 82.0° / 132.0°  
Efficiency 97 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

Opto Semiconductors

LED SFH 4715AS  
FWHM / FWTM 71.0° / 109.0°  
Efficiency 96 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour IR  
Required components:

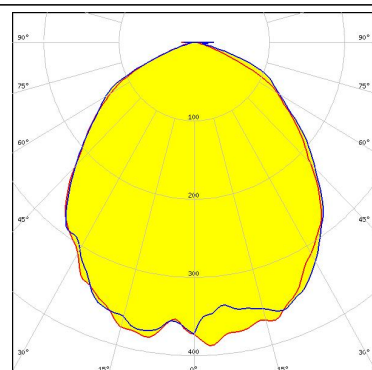




#### OPTICAL RESULTS (SIMULATED):

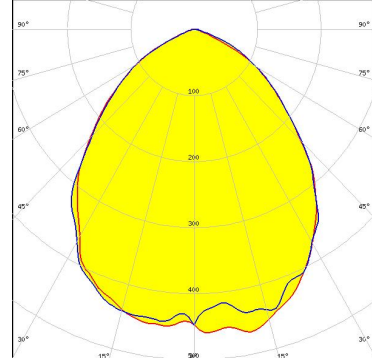
#### SAMSUNG

LED LH181A  
FWHM / FWTM 97.0° / 143.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



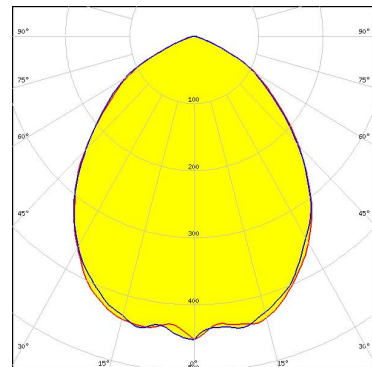
#### SAMSUNG

LED LH181B  
FWHM / FWTM 89.0° / 135.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22T  
FWHM / FWTM 90.0° / 137.0°  
Efficiency 94 %  
Peak intensity 0.5 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.

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)