

## STRADELLA-8-HB-S

~25° spot beam for industrial applications

### SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	7.5 mm
Fastening	screw
ROHS compliant	yes 



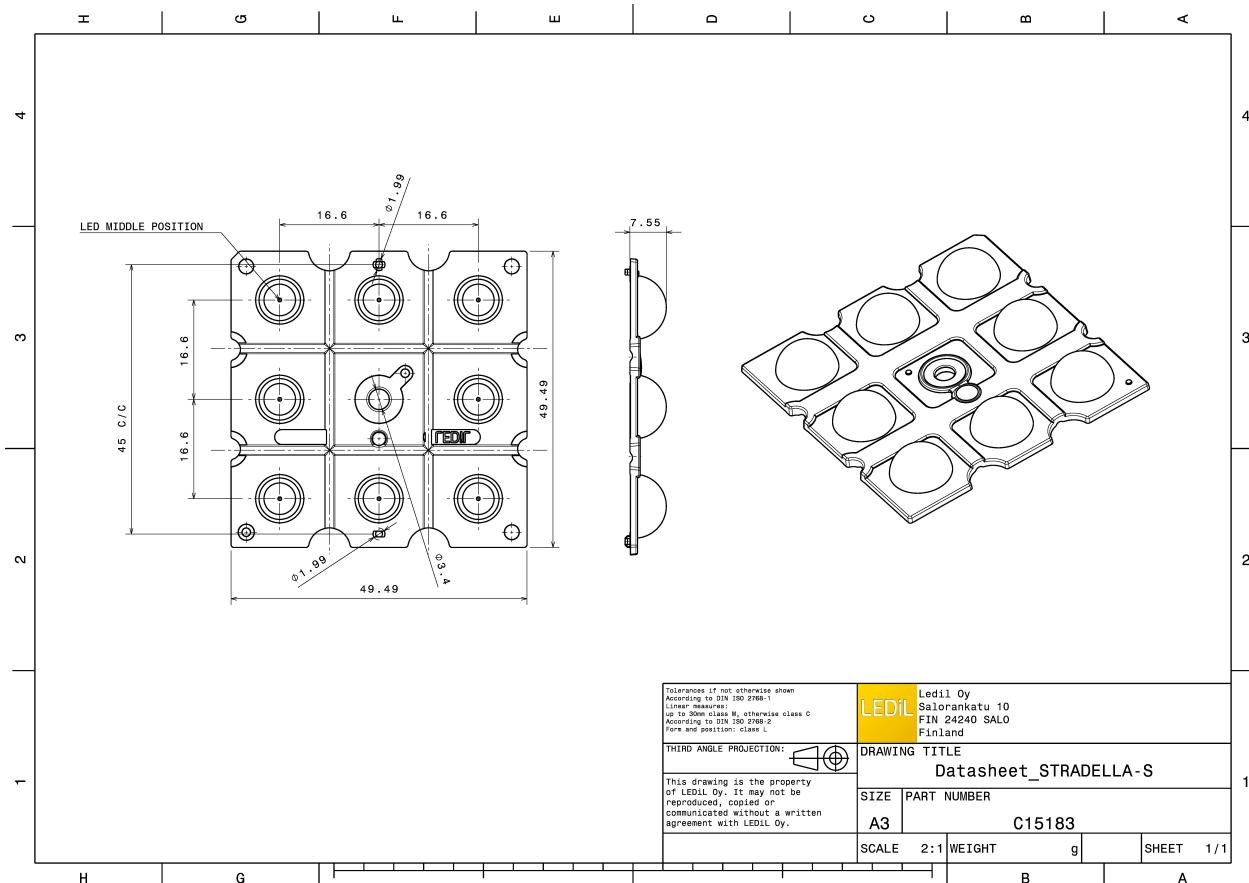
LEDiL®

### MATERIALS:

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

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15183_STRADELLA-8-HB-S	160	160		5.0
» Box size:				

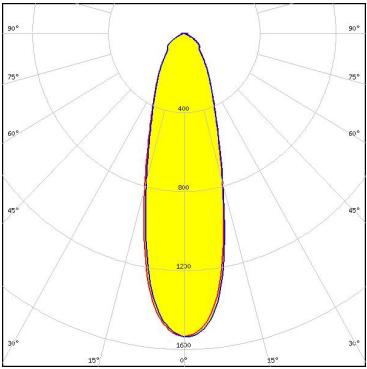
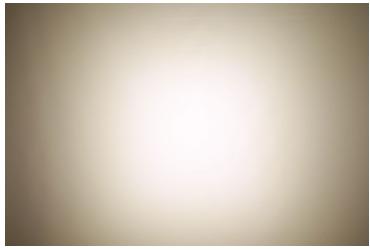


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

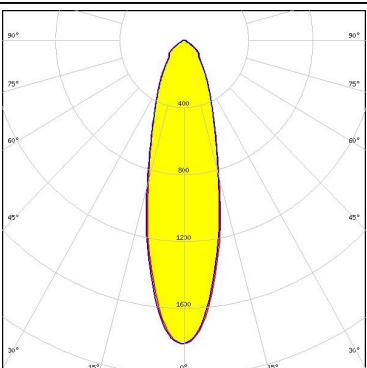
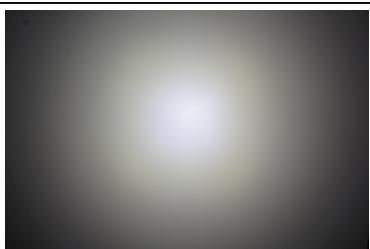
### OPTICAL RESULTS (MEASURED):



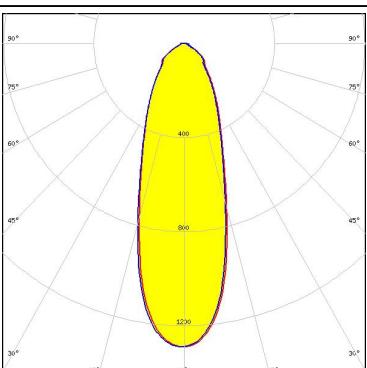
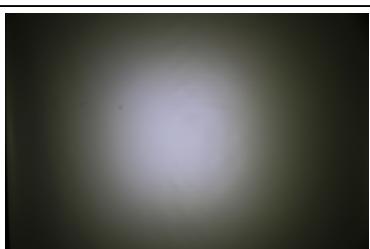
**LED** QUICK FLUX XT 2x8 xxx STRDLL G5  
**FWHM / FWTM** 31.0° / 81.0°  
**Efficiency** 93 %  
**Peak intensity** 1.5 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



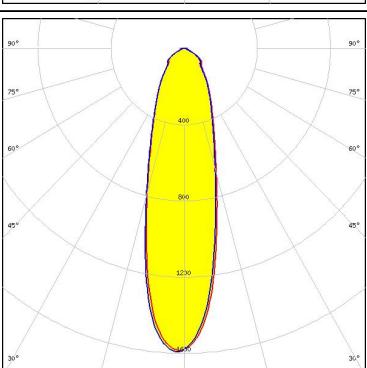
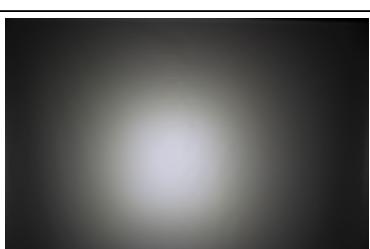
**LED** J Series 3030  
**FWHM / FWTM** 28.0° / 76.0°  
**Efficiency** 96 %  
**Peak intensity** 1.8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** XP-G3  
**FWHM / FWTM** 34.0° / 93.0°  
**Efficiency** 94 %  
**Peak intensity** 1.3 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



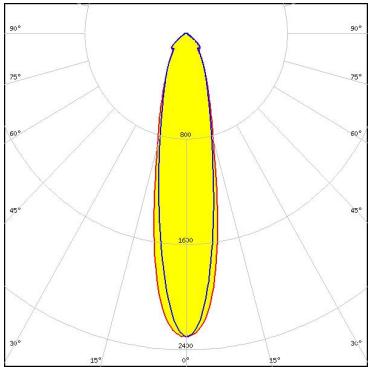
**LED** XT-E  
**FWHM / FWTM** 28.0° / 83.0°  
**Efficiency** 94 %  
**Peak intensity** 1.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



## OPTICAL RESULTS (MEASURED):

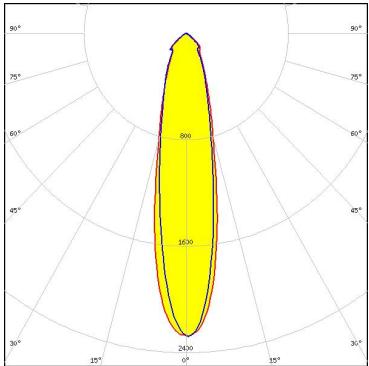
### LUMILEDS

LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM 23.0° / 66.0°  
 Efficiency 94 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



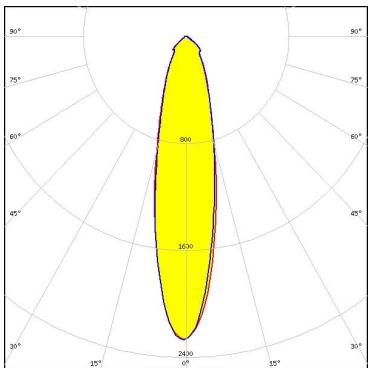
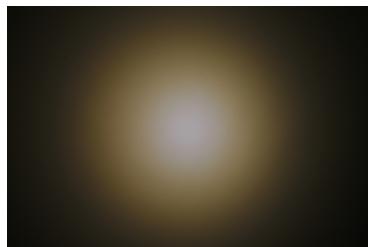
### LUMILEDS

LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM 23.0° / 64.0°  
 Efficiency 88 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



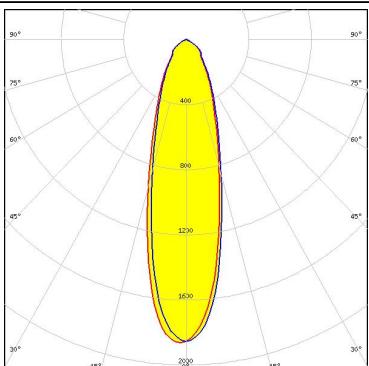
### LUMILEDS

LED LUXEON 3535L  
 FWHM / FWTM 24.0° / 66.0°  
 Efficiency 94 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### LUMILEDS

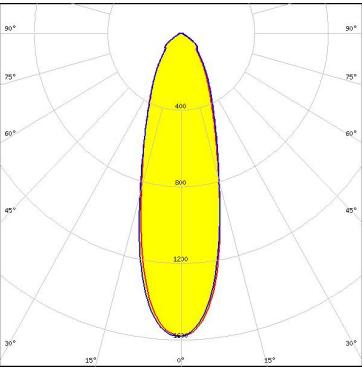
LED LUXEON TX  
 FWHM / FWTM 29.0° / 75.0°  
 Efficiency 94 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (MEASURED):

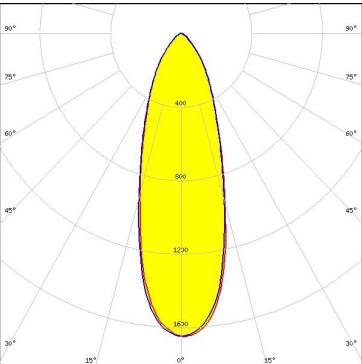
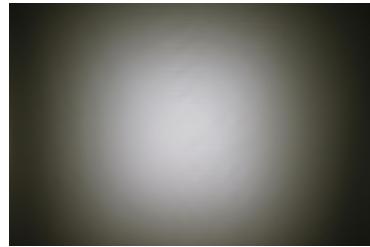
#### LUMILEDS

LED LUXEON V2  
 FWHM / FWTM 31.0° / 81.0°  
 Efficiency 94 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



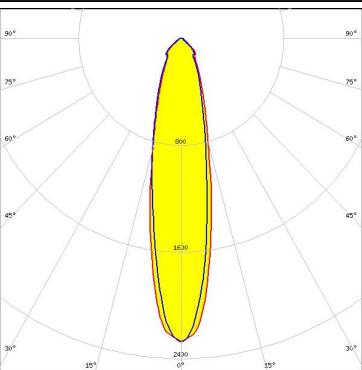
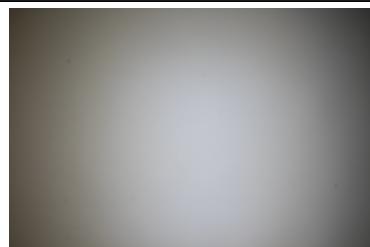
#### NICHIA

LED NVSW219D  
 FWHM / FWTM 33.0° / 80.0°  
 Efficiency 94 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



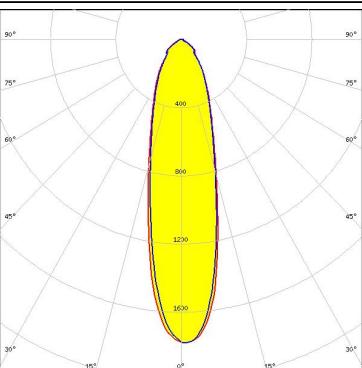
#### OSRAM

Opto Semiconductors  
 LED Duris S5 (2 chip)  
 FWHM / FWTM 23.0° / 64.0°  
 Efficiency 93 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

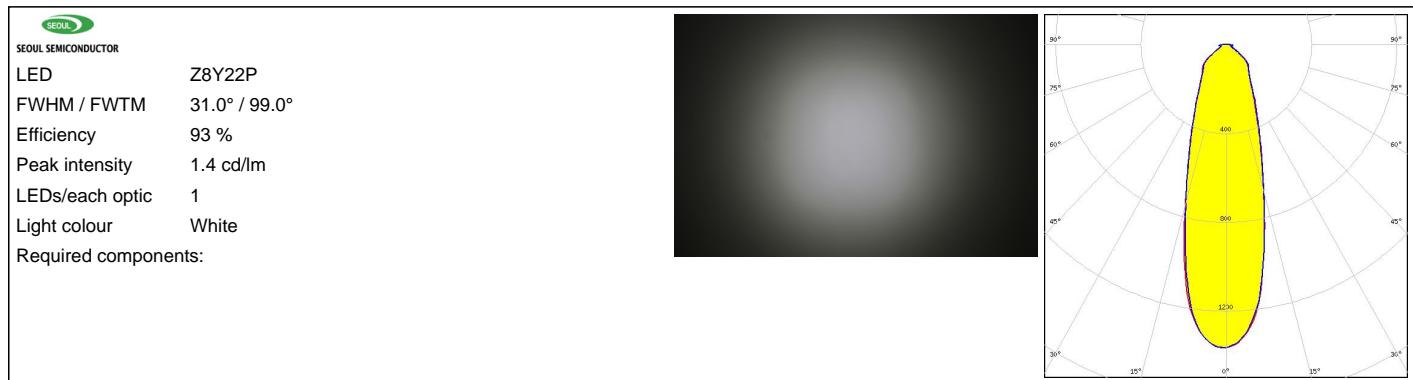


#### OSRAM

Opto Semiconductors  
 LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 27.0° / 78.0°  
 Efficiency 94 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



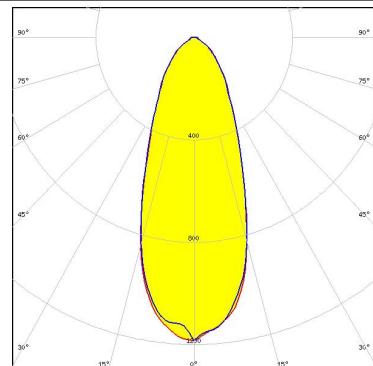
## OPTICAL RESULTS (MEASURED):



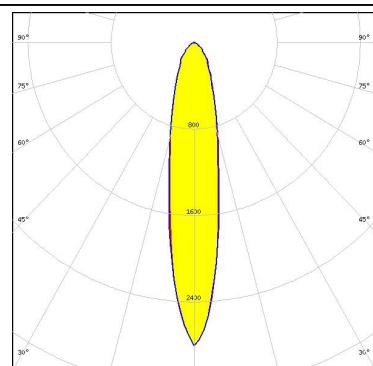
### OPTICAL RESULTS (SIMULATED):



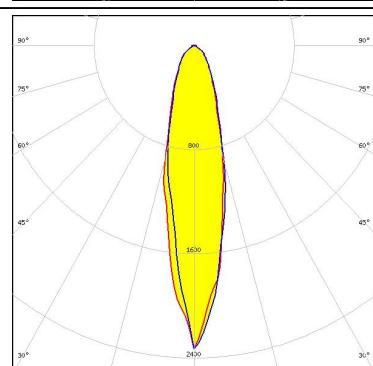
**LED** XHP35.2 HI  
**FWHM / FWTM** 40.0° / 94.0°  
**Efficiency** 93 %  
**Peak intensity** 1.2 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



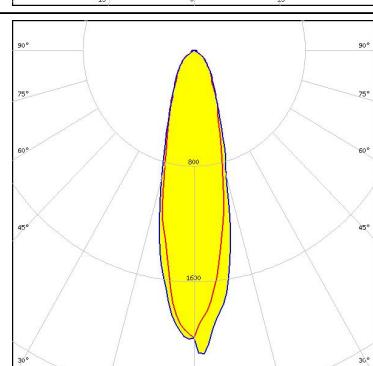
**LED** XP-P  
**FWHM / FWTM** 20.0° / 62.0°  
**Efficiency** 95 %  
**Peak intensity** 2.8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** LUXEON 3535L HE  
**FWHM / FWTM** 20.0° / 65.0°  
**Efficiency** 90 %  
**Peak intensity** 2.3 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



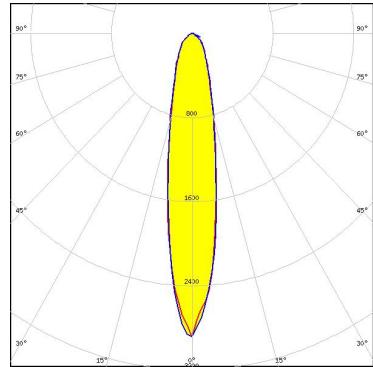
**LED** LUXEON HR30  
**FWHM / FWTM** 26.0° / 72.0°  
**Efficiency** 91 %  
**Peak intensity** 2.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



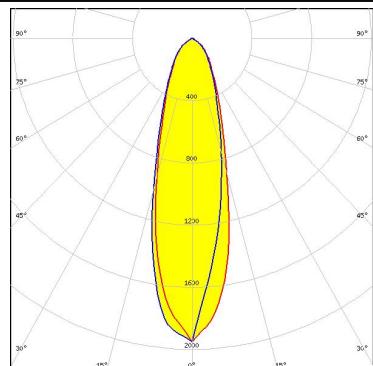
### OPTICAL RESULTS (SIMULATED):



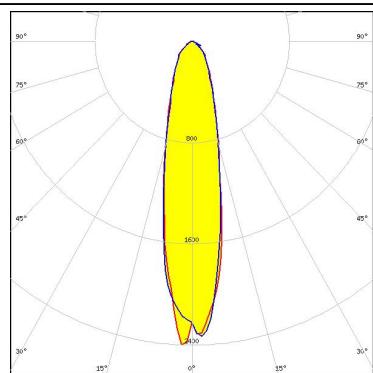
LED	NCSxE17A
FWHM / FWTM	19.0° / 59.0°
Efficiency	94 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



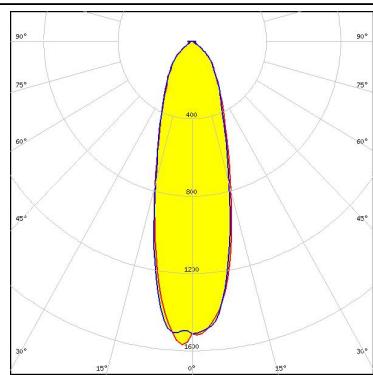
LED	NF2x757G
FWHM / FWTM	29.0° / 76.0°
Efficiency	94 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LED	NVSxE21A
FWHM / FWTM	22.0° / 67.0°
Efficiency	94 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LED	NVSxx19B/NVSxx19C
FWHM / FWTM	30.0° / 86.0°
Efficiency	88 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



### OPTICAL RESULTS (SIMULATED):

#### OSRAM

Opto Semiconductors

LED OSCONIQ C 2424

FWHM / FWTM 24.0° / 68.0°

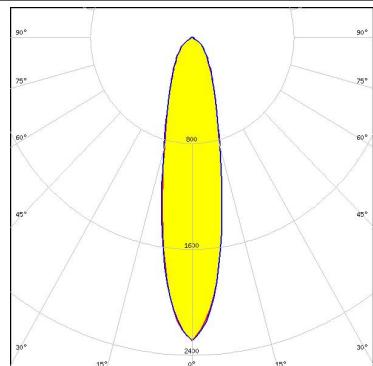
Efficiency 94 %

Peak intensity 2.3 cd/lm

LEDs/each optic 1

Light colour White

Required components:



#### OSRAM

Opto Semiconductors

LED OSCONIQ P 3030

FWHM / FWTM 21.0° / 58.0°

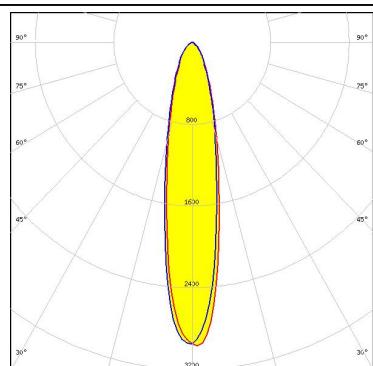
Efficiency 95 %

Peak intensity 3 cd/lm

LEDs/each optic 1

Light colour White

Required components:



#### OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 (2W version)

FWHM / FWTM 28.0° / 76.0°

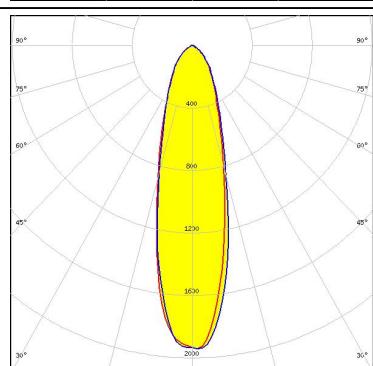
Efficiency 94 %

Peak intensity 2 cd/lm

LEDs/each optic 1

Light colour White

Required components:



#### SAMSUNG

LED LH181B

FWHM / FWTM 27.0° / 75.0°

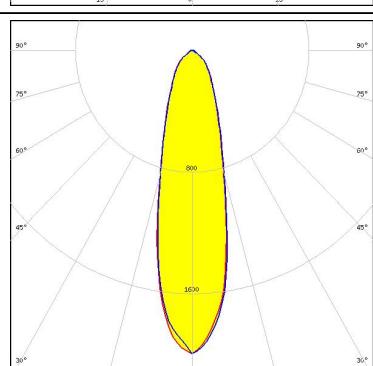
Efficiency 94 %

Peak intensity 2 cd/lm

LEDs/each optic 1

Light colour White

Required components:

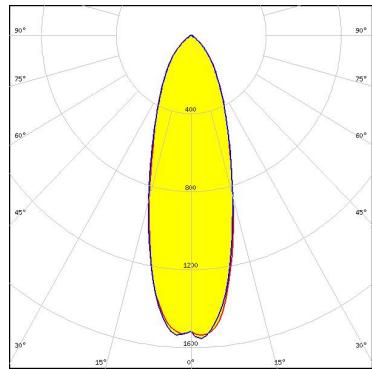


### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

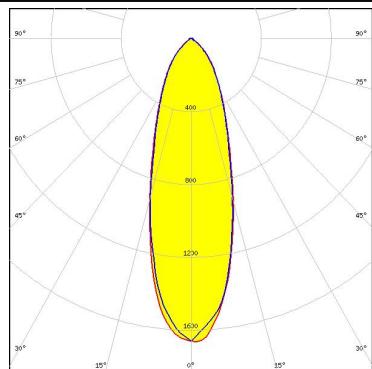
LED LH351B  
 FWHM / FWTM 33.0° / 82.0°  
 Efficiency 88 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



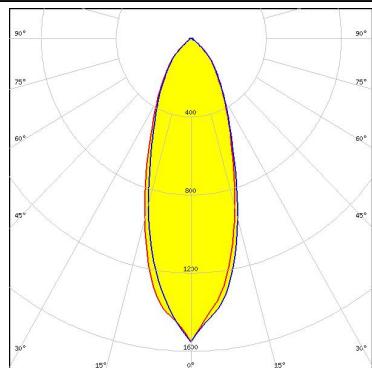
#### SAMSUNG

LED LH351B  
 FWHM / FWTM 33.0° / 83.0°  
 Efficiency 94 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



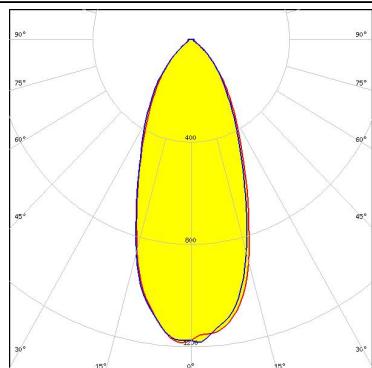
#### SAMSUNG

LED LH351C  
 FWHM / FWTM 35.0° / 86.0°  
 Efficiency 93 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

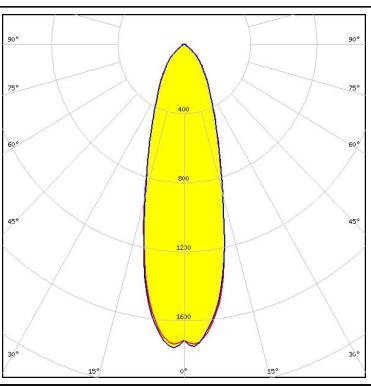
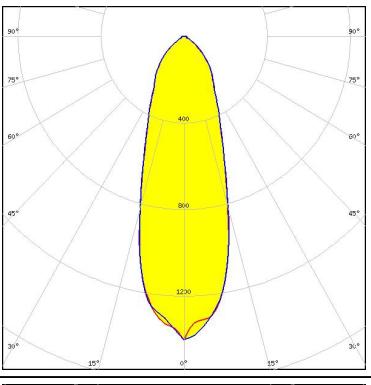
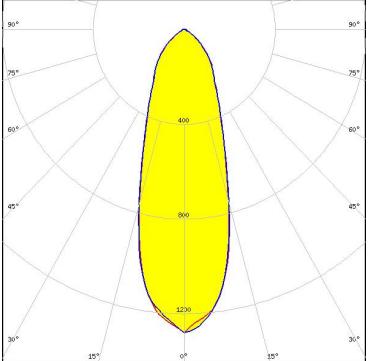
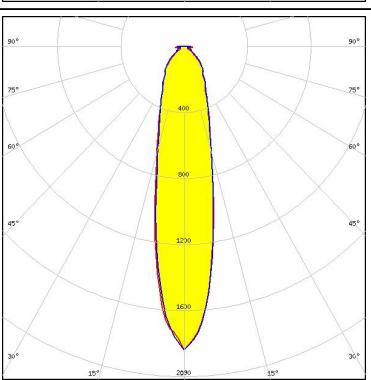


#### SAMSUNG

LED LH351D  
 FWHM / FWTM 44.0° / 93.0°  
 Efficiency 93 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

<p>SEoul SEMICONDUCTOR</p> <p>LED Z5M4</p> <p>FWHM / FWTM 31.0° / 80.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SEoul SEMICONDUCTOR</p> <p>LED Z5M5</p> <p>FWHM / FWTM 34.0° / 92.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SEoul SEMICONDUCTOR</p> <p>LED Z5M5</p> <p>FWHM / FWTM 34.0° / 92.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p>SEoul SEMICONDUCTOR</p> <p>LED Z8Y19</p> <p>FWHM / FWTM 23.0° / 81.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

## 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**  
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

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