

## STRADELLA-16-HB-S

~25° spot beam for industrial applications

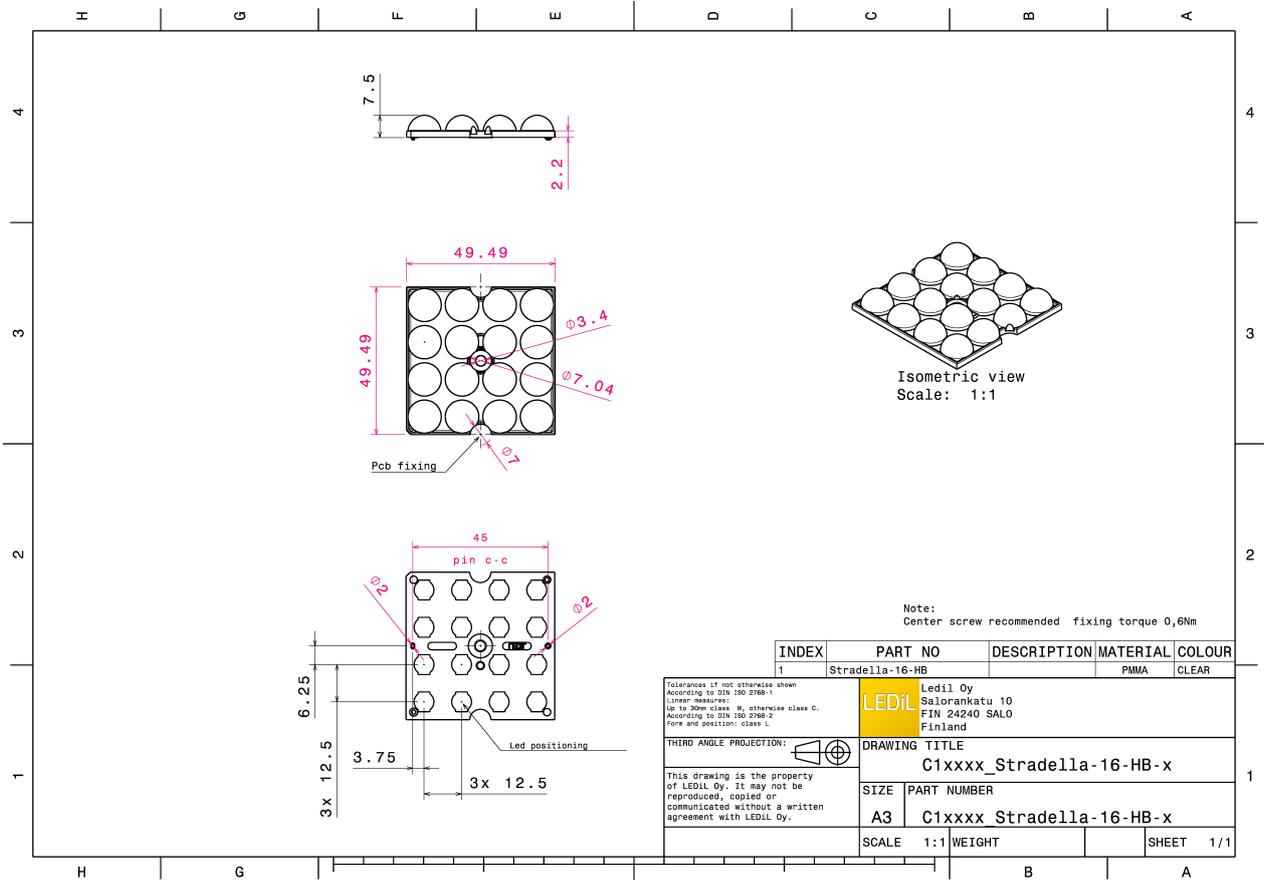
### TECHNICAL SPECIFICATIONS:

Dimensions	49.5 mm
Height	7.5 mm
Fastening	pin, screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	6.3 kg
Quantity in Box	800 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

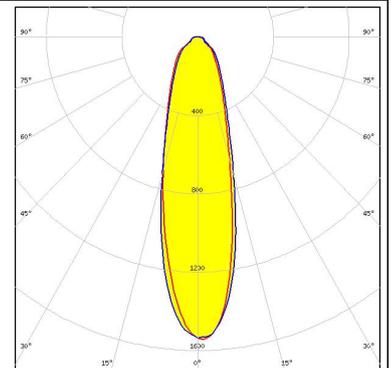
Component	Type	Material	Colour
STRADELLA-16-HB-S	Multi-lens	PMMA	clear



#### PHOTOMETRIC DATA (MEASURED):

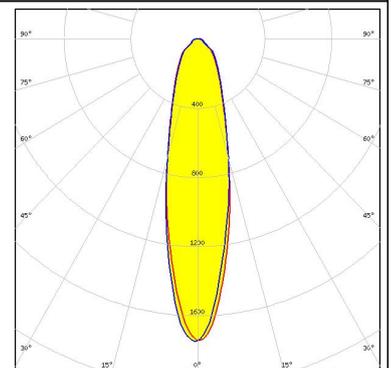
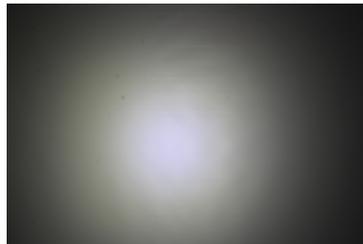
##### LG Innotek

LED LG 3030  
 FWHM 28.0°  
 Efficiency 90 %  
 Peak intensity 1.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



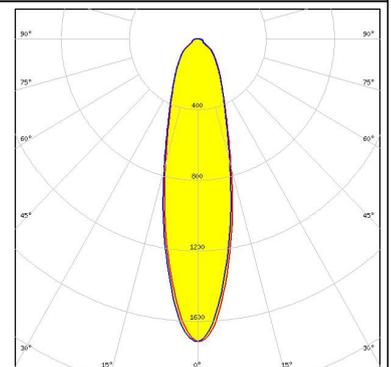
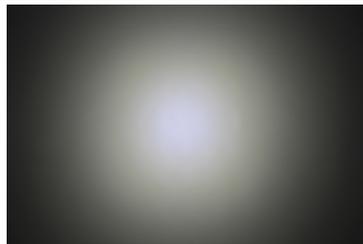
##### NICHIA

LED NFSx757D  
 FWHM 25.0°  
 Efficiency 90 %  
 Peak intensity 1.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



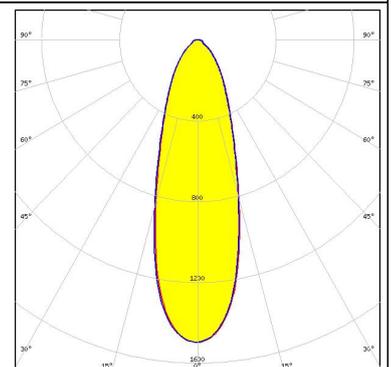
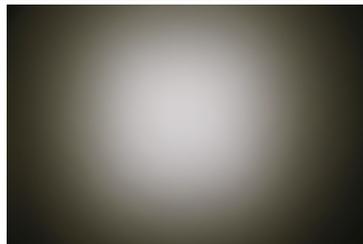
##### NICHIA

LED NFSx757G  
 FWHM 27.0°  
 Efficiency 93 %  
 Peak intensity 1.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### NICHIA

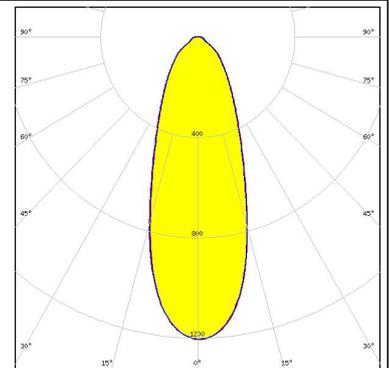
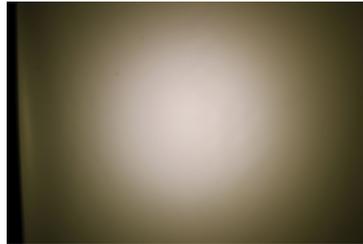
LED NVSW219D  
 FWHM 32.0°  
 Efficiency 93 %  
 Peak intensity 1.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



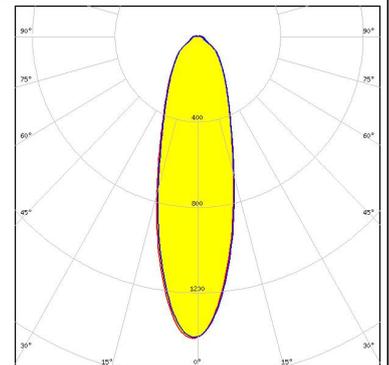
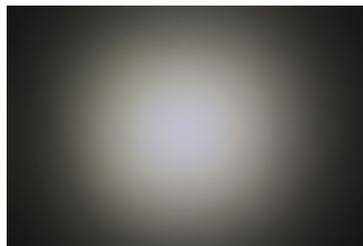
#### PHOTOMETRIC DATA (MEASURED):



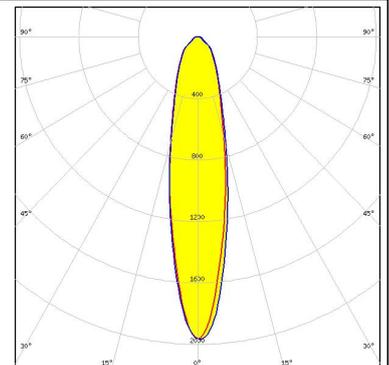
LED NVSW319B  
 FWHM 37.0°  
 Efficiency 93 %  
 Peak intensity 1.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



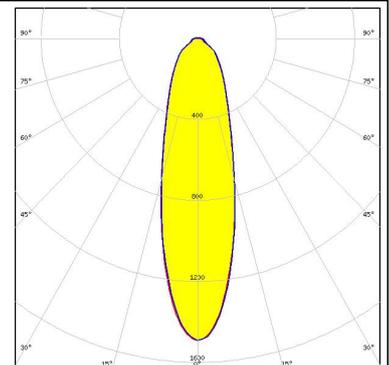
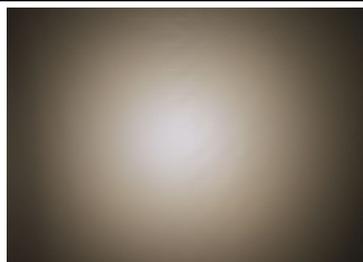
LED PrevaLED Brick MP 4x16  
 FWHM 30.0°  
 Efficiency 92 %  
 Peak intensity 1.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Duris S5 (Single chip)  
 FWHM 23.0°  
 Efficiency 90 %  
 Peak intensity 2.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



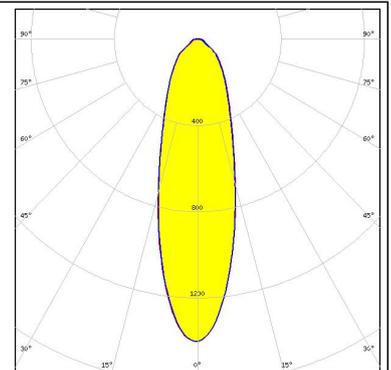
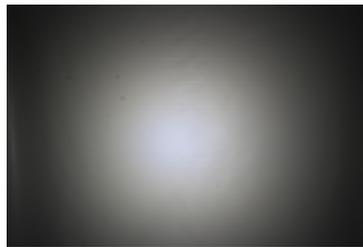
LED Fortimo FastFlex LED 4x16 DHE G4  
 FWHM 29.0°  
 Efficiency 92 %  
 Peak intensity 1.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

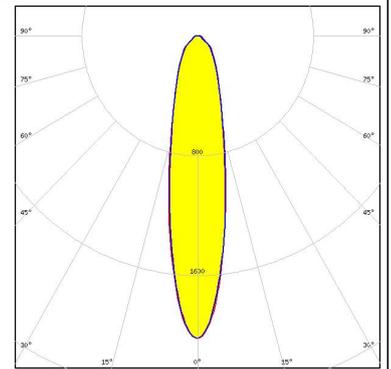
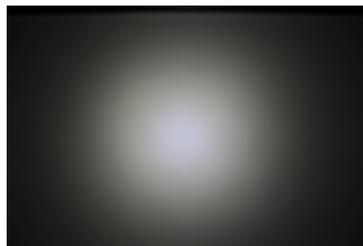
#### SAMSUNG

LED HiLOM RM64 (LM301B)  
 FWHM 30.0°  
 Efficiency 93 %  
 Peak intensity 1.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



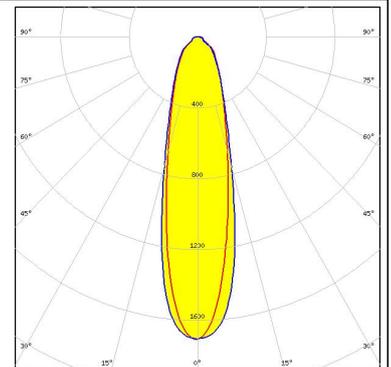
#### SAMSUNG

LED LM231 A/B  
 FWHM 22.0°  
 Efficiency 91 %  
 Peak intensity 2.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



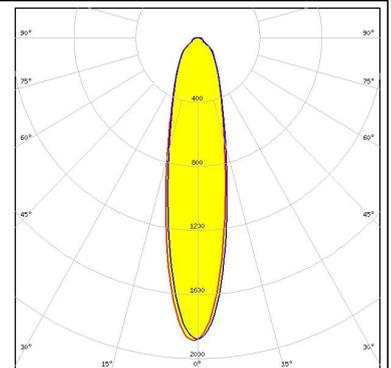
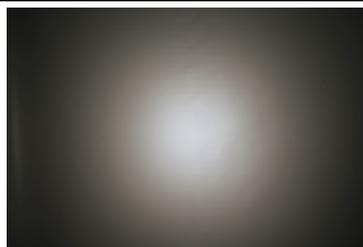
SEOUL SEMICONDUCTOR

LED SEOUL 3030  
 FWHM 26.0°  
 Efficiency 90 %  
 Peak intensity 1.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

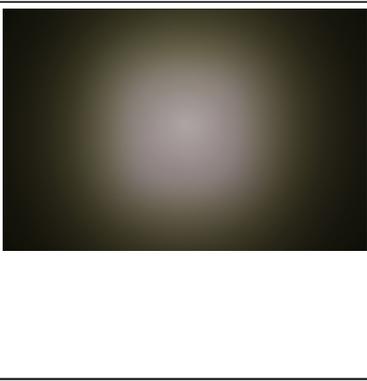
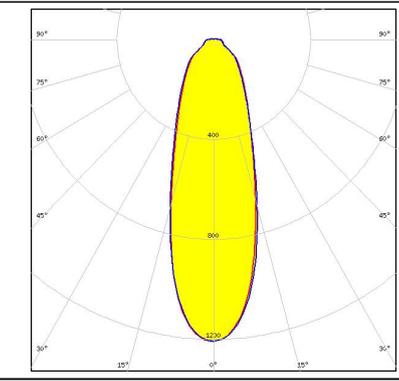
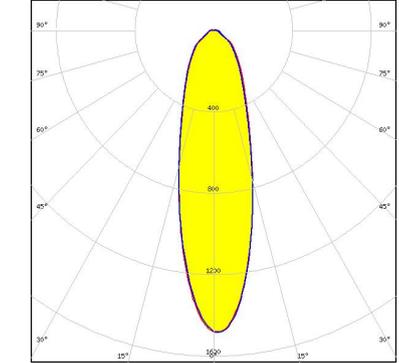


SEOUL SEMICONDUCTOR

LED SEOUL DC 3030  
 FWHM 24.0°  
 Efficiency 94 %  
 Peak intensity 1.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



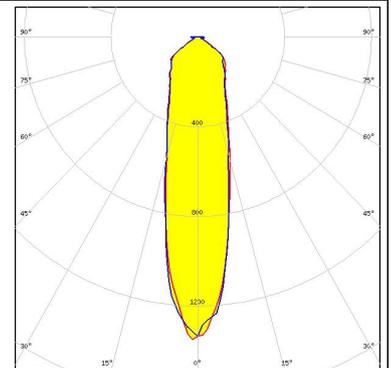
#### PHOTOMETRIC DATA (MEASURED):

<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z5M3            FWHM 33.0°            Efficiency 94 %            Peak intensity 1.200 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>TRIDONIC</b></p> <p>LED RLE 4x16 4000lm MP ADV2 OTD            FWHM 29.0°            Efficiency 93 %            Peak intensity 1.500 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>TRIDONIC</b></p> <p>LED RLE 4x8 2000lm MP ADV2 OTD            FWHM 29.0°            Efficiency 93 %            Peak intensity 1.500 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### PHOTOMETRIC DATA (SIMULATED):

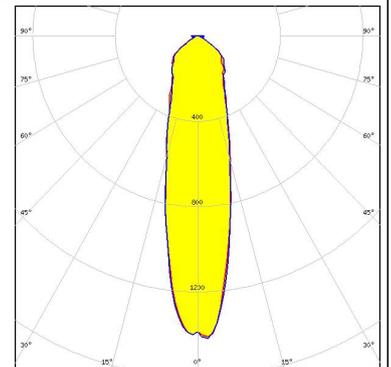
##### LUMILEDS

LED LUXEON C  
 FWHM 25.0°  
 Efficiency 90 %  
 Peak intensity 1.400 cd/lm  
 LEDs/each optic 1  
 Light colour Green  
 Required components:



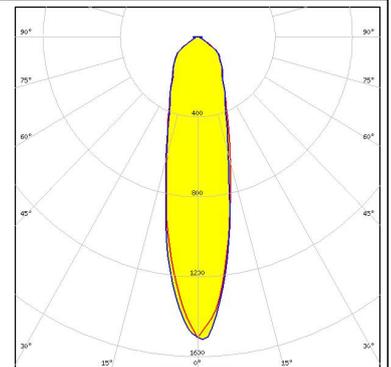
##### LUMILEDS

LED LUXEON C  
 FWHM 25.0°  
 Efficiency 91 %  
 Peak intensity 1.400 cd/lm  
 LEDs/each optic 1  
 Light colour Blue  
 Required components:



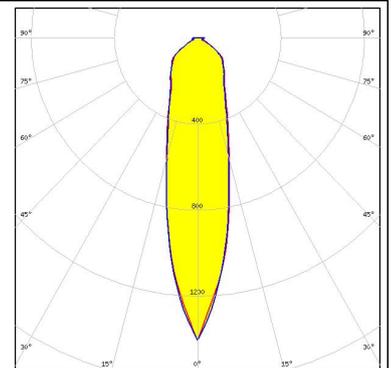
##### LUMILEDS

LED LUXEON C  
 FWHM 25.0°  
 Efficiency 91 %  
 Peak intensity 1.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### LUMILEDS

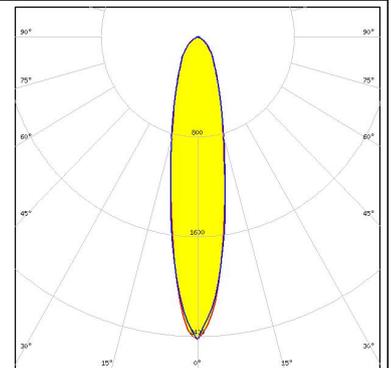
LED LUXEON C  
 FWHM 25.0°  
 Efficiency 91 %  
 Peak intensity 1.400 cd/lm  
 LEDs/each optic 1  
 Light colour RGBW  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

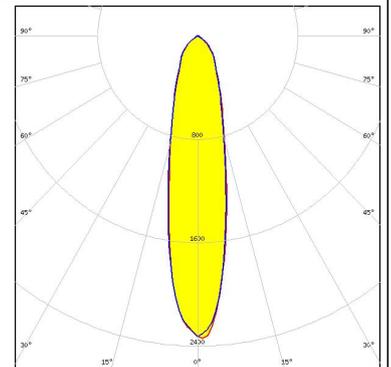
#### LUMILEDS

LED LUXEON CZ  
 FWHM 22.0°  
 Efficiency 94 %  
 Peak intensity 2.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



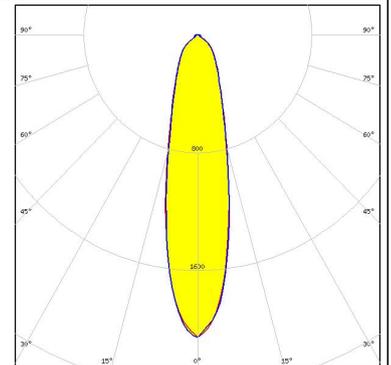
#### LUMILEDS

LED LUXEON CZ  
 FWHM 23.0°  
 Efficiency 94 %  
 Peak intensity 2.400 cd/lm  
 LEDs/each optic 1  
 Light colour RGBW  
 Required components:



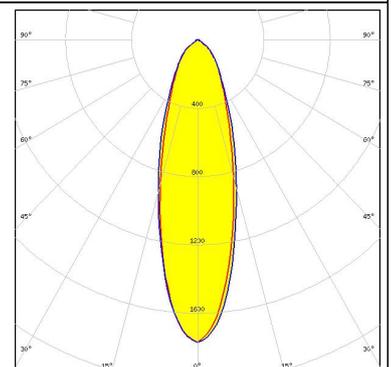
#### NICHIA

LED NVSxE21A  
 FWHM 25.0°  
 Efficiency 92 %  
 Peak intensity 2.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors  
 LED Duris E5  
 FWHM 30.0°  
 Efficiency 93 %  
 Peak intensity 1.770 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

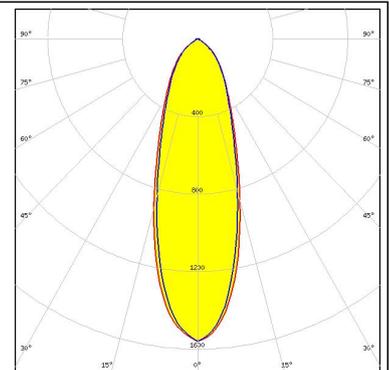


#### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

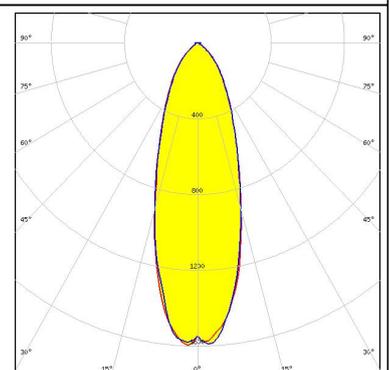
Opto Semiconductors

LED OSLOM Square CSSRM2/CSSRM3  
FWHM 32.0°  
Efficiency 94 %  
Peak intensity 1.560 cd/lm  
LEDs/each optic 1  
Light colour Red  
Required components:



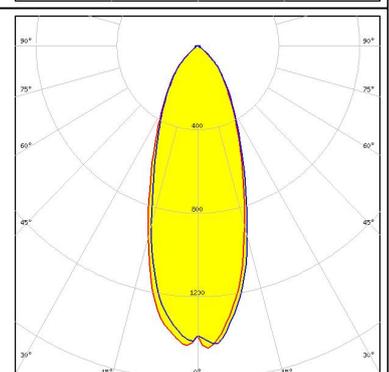
#### SAMSUNG

LED LH351B  
FWHM 33.0°  
Efficiency 94 %  
Peak intensity 1.627 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



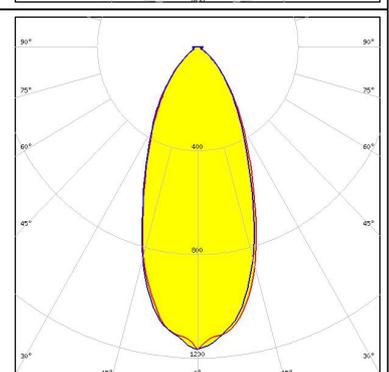
#### SAMSUNG

LED LH351C  
FWHM 37.0°  
Efficiency 94 %  
Peak intensity 1.471 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

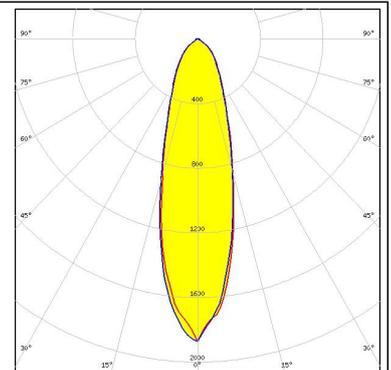
LED LH351D  
FWHM 44.0°  
Efficiency 93 %  
Peak intensity 1.170 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

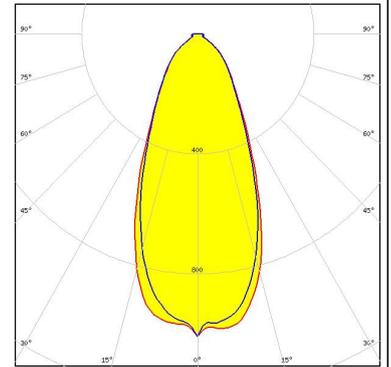
#### SAMSUNG

LED LM301B  
 FWHM 27.0°  
 Efficiency 93 %  
 Peak intensity 1.870 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



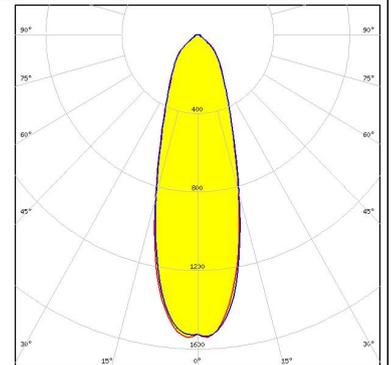
SEOUL SEMICONDUCTOR

LED SEOUL DC 5050 6V  
 FWHM 45.0°  
 Efficiency 91 %  
 Peak intensity 1.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22T  
 FWHM 31.0°  
 Efficiency 93 %  
 Peak intensity 1.620 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

#### 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)