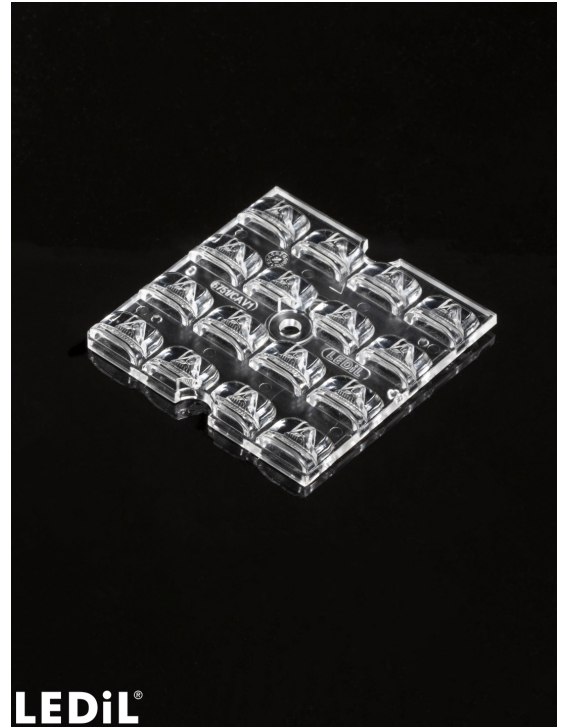


## STRADELLA-16-T2

IESNA Type II (medium) beam, applicable for European P-class standard pedestrian lighting and M-class roads

### TECHNICAL SPECIFICATIONS:

Dimensions	49.5 x 49.5 mm
Height	4.7 mm
ROHS compliant	yes ⓘ

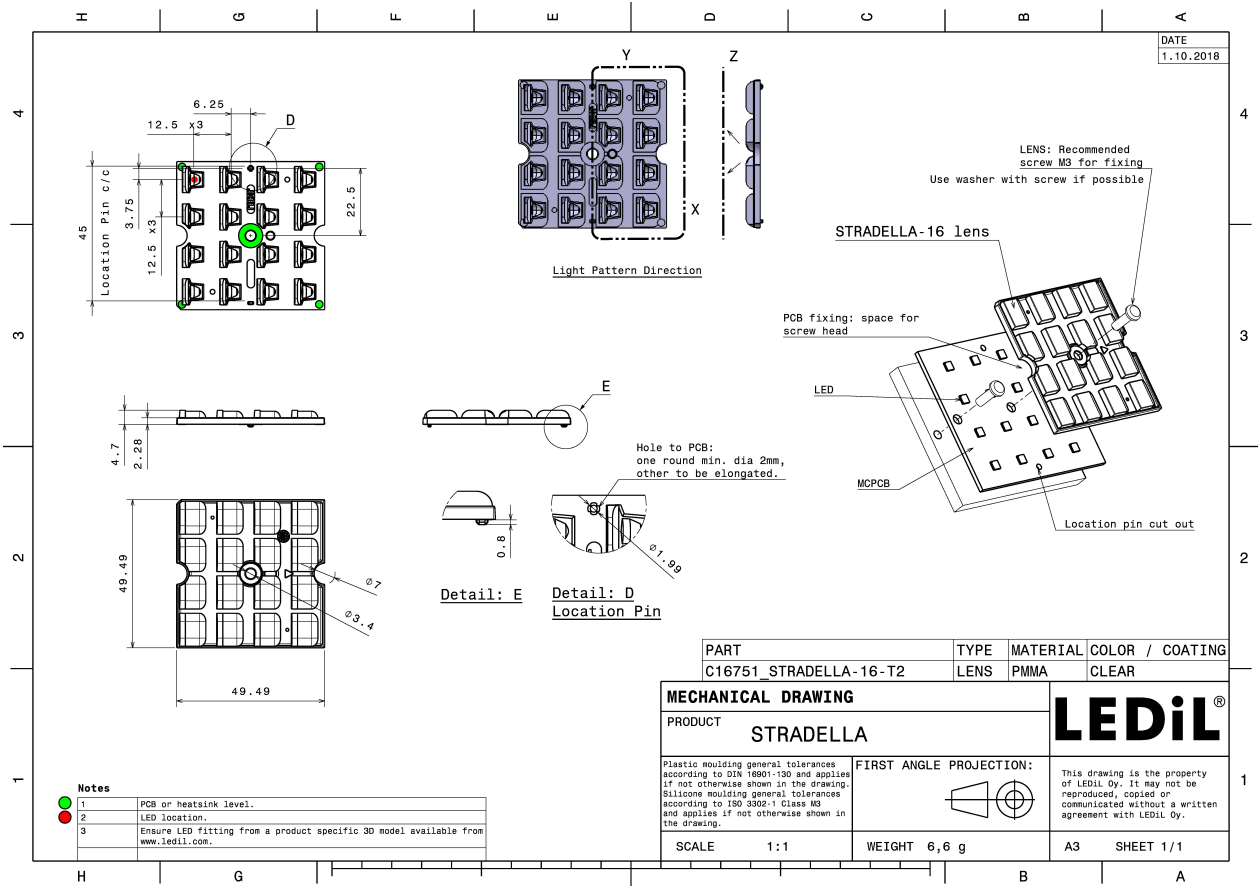


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
STRADELLA-16-T2	Multi-lens	PMMA	clear	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16751_STRADELLA-16-T2 » Box size: 480 x 280 x 300 mm	800	160	160	6.5

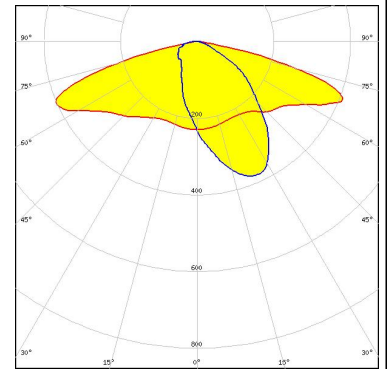


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

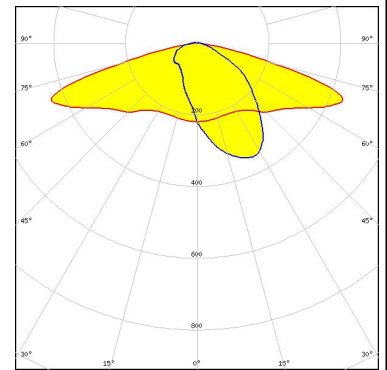
### PHOTOMETRIC DATA (MEASURED):



LED J Series 3030  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

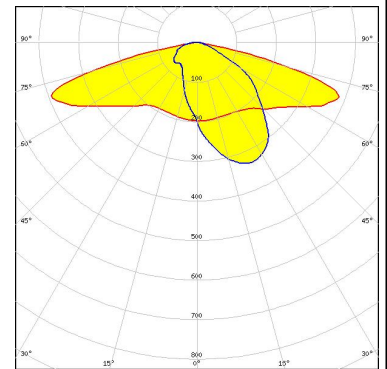


LED EHP-223.5x50-1604-xx-70-LS30-06-NTC  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



## SAMSUNG

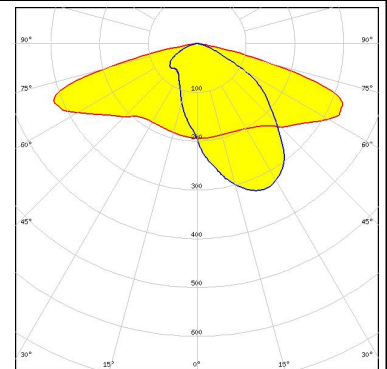
LED LM301B  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



## SAMSUNG

LED LM301B  
 FWHM / FWTM Asymmetric  
 Efficiency 84 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



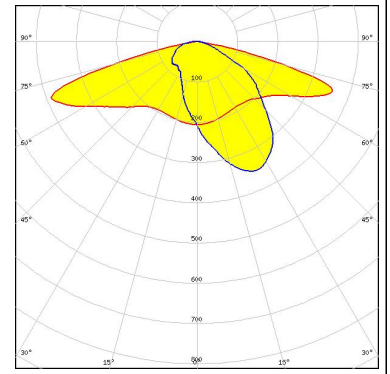
#### PHOTOMETRIC DATA (MEASURED):

<p><b>SCIOLUX</b></p> <p>LED XLE-S44XTEHE (XT-E HE)</p> <p>FWHM / FWTM Asymmetric</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>SCIOLUX</b></p> <p>LED XLE-S48XPG3 (XP-G3)</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 83 %</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>Protective plate, glass</p>	
<p><b>SCIOLUX</b></p> <p>LED XLE-S48XPG3 (XP-G3)</p> <p>FWHM / FWTM Asymmetric</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 Asymmetric</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>	

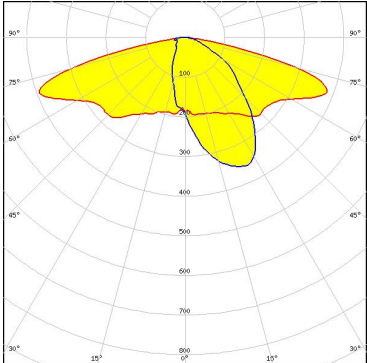
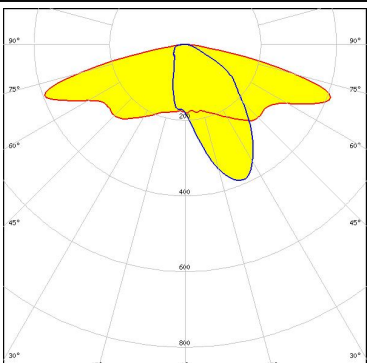
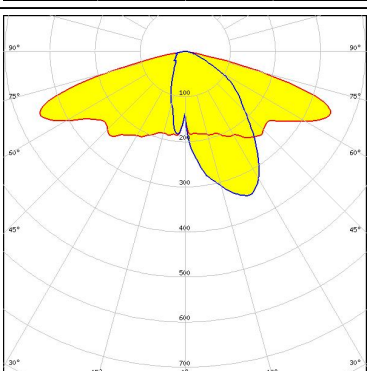
#### PHOTOMETRIC DATA (MEASURED):

#### TRIDONIC

LED RLE 4x16 4000lm MP ADV2 OTD  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED J Series 2835            FWHM / FWTM Asymmetric            Efficiency 91 %            Peak intensity 0.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> → <b>LED</b></p> <p>LED J Series 2835            FWHM / FWTM Asymmetric            Efficiency 93 %            Peak intensity 0.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> → <b>LED</b></p> <p>LED J Series 3030            FWHM / FWTM Asymmetric            Efficiency 81 %            Peak intensity 0.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p> <p style="background-color: #e0f0ff; padding: 5px; display: inline-block;">Protective plate, glass</p>	
<p><b>CREE</b> → <b>LED</b></p> <p>LED XP-G3            FWHM / FWTM Asymmetric            Efficiency 89 %            Peak intensity 0.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

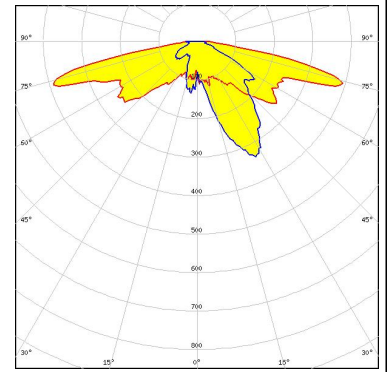
#### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON 2835 Line</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 78 %</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>Protective plate, glass</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON 2835 Line</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</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>LUMILEDS</b></p> <p>LED LUXEON 3030 2D (Square LES)</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 81 %</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>Protective plate, glass</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON 3030 HE Plus</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

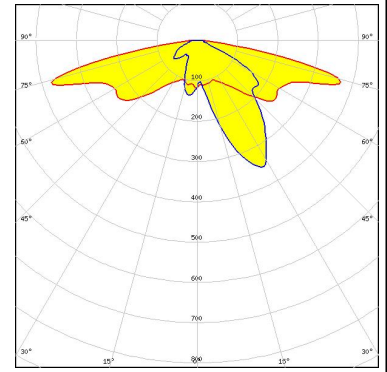
##### LUMILEDS

LED LUXEON C  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour RGBW  
 Required components:



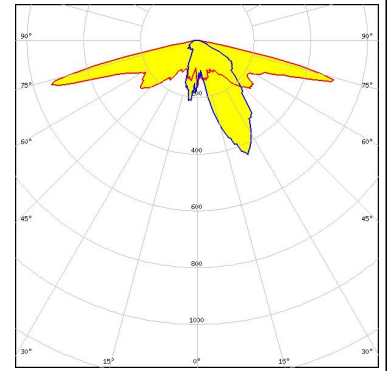
##### LUMILEDS

LED LUXEON C  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



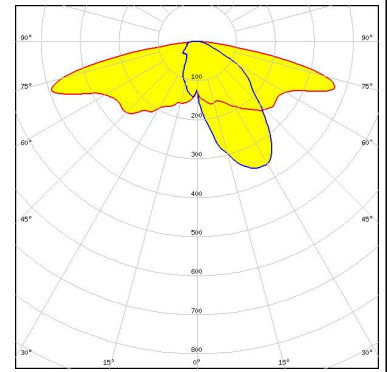
##### LUMILEDS

LED LUXEON CZ  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour RGBW  
 Required components:



##### LUMILEDS

LED LUXEON TX  
 FWHM / FWTM Asymmetric  
 Efficiency 90 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





#### PHOTOMETRIC DATA (SIMULATED):

<p><b>NICHIA</b></p> <p>LED NF2x757G            FWHM / FWTM Asymmetric            Efficiency 83 %            Peak intensity 0.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p><b>NICHIA</b></p> <p>LED NF2x757G            FWHM / FWTM Asymmetric            Efficiency 92 %            Peak intensity 0.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NFSWE11A            FWHM / FWTM Asymmetric            Efficiency 90 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NVSxE21A            FWHM / FWTM Asymmetric            Efficiency 91 %            Peak intensity 0.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

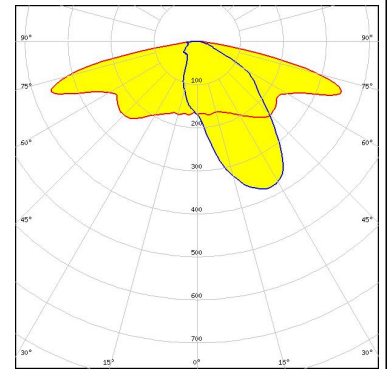
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S5 (2 chip)</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 80 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ C 2424</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 80 %</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>Protective plate, glass</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ C 2424</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ P 3030</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 90 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

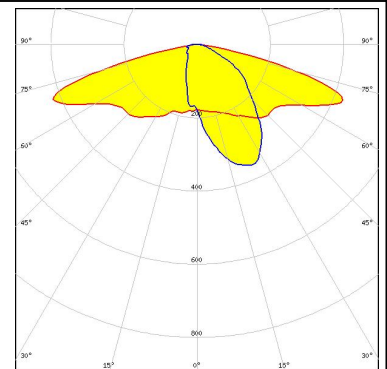
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM Asymmetric  
 Efficiency 91 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHILIPS

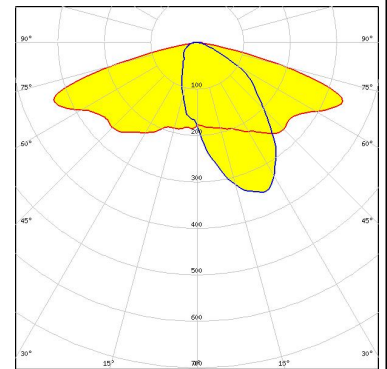
LED Fortimo FastFlex LED 4x16 DHE G4  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHILIPS

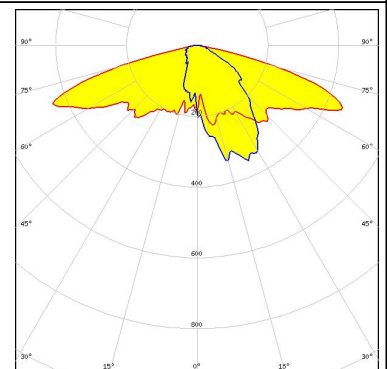
LED Fortimo FastFlex LED 4x16 DHE G4  
 FWHM / FWTM Asymmetric  
 Efficiency 84 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



#### SAMSUNG

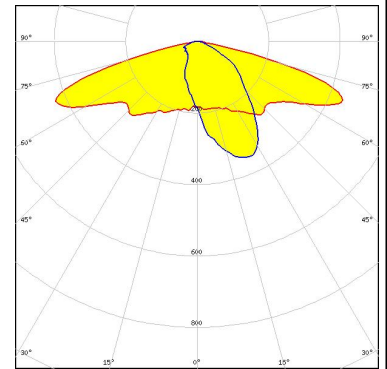
LED LH181B  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

### SAMSUNG

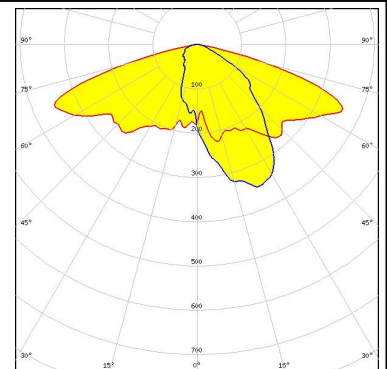
LED LH181B  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

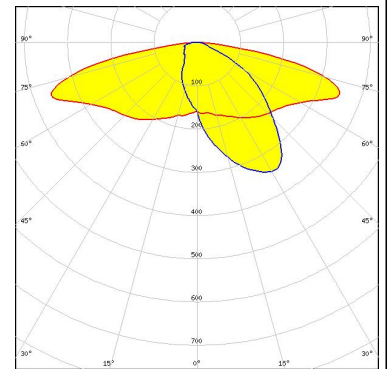
LED LH181B  
 FWHM / FWTM Asymmetric  
 Efficiency 85 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



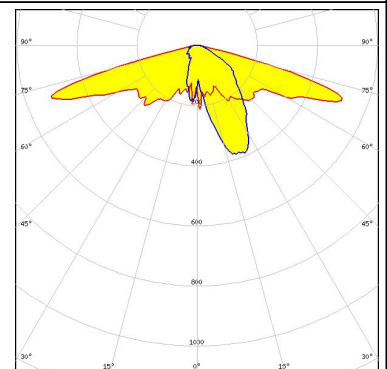
### SAMSUNG

LED LH351B  
 FWHM / FWTM Asymmetric  
 Efficiency 91 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

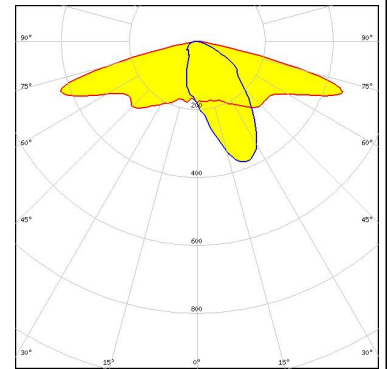
LED LM101B  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

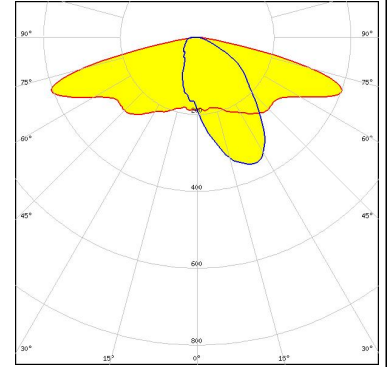
### SAMSUNG

LED LM28xB Series  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

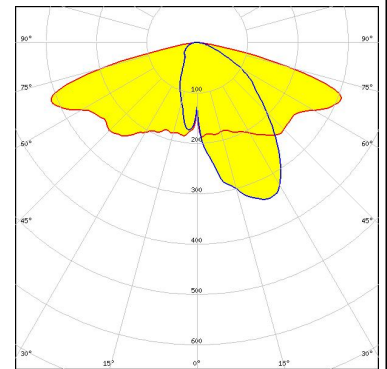
LED LM302D  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

LED LM302D  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

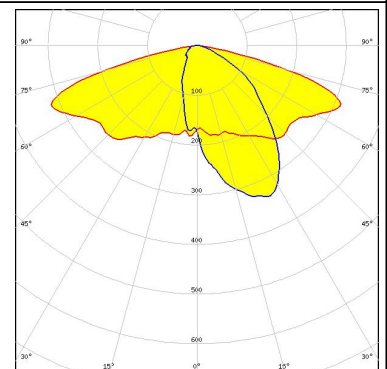
Protective plate, glass



### SAMSUNG

LED LM302Z plus  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

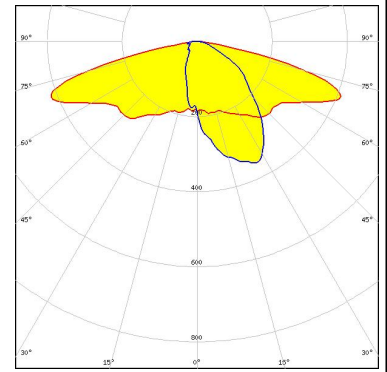
Protective plate, glass



#### PHOTOMETRIC DATA (SIMULATED):

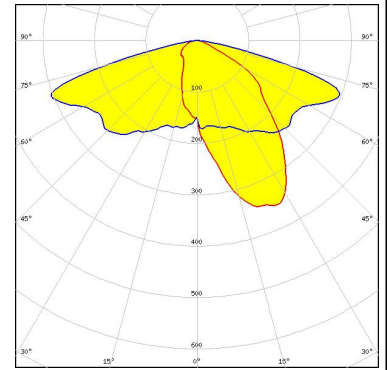
### SAMSUNG

LED LM302Z plus  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

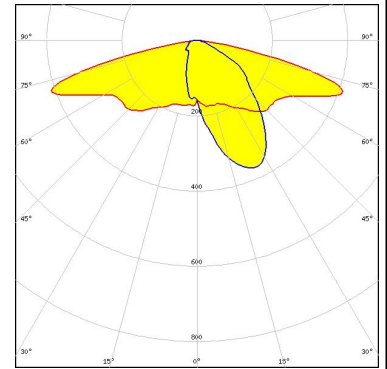


**SEOUL SEMICONDUCTOR**  
 LED SEOUL DC 3030C  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass

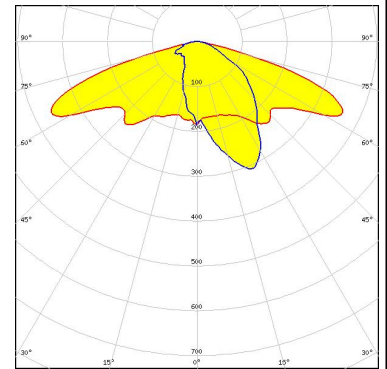


**SEOUL SEMICONDUCTOR**  
 LED SEOUL DC 3030C  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

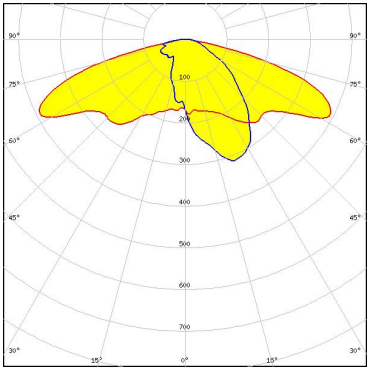
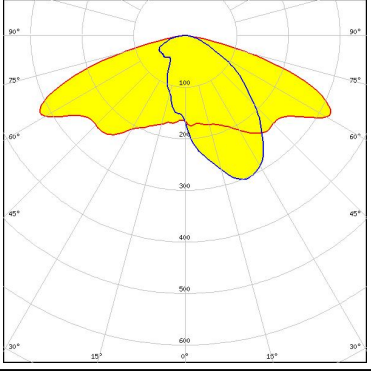
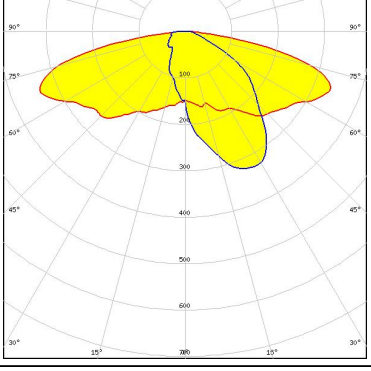
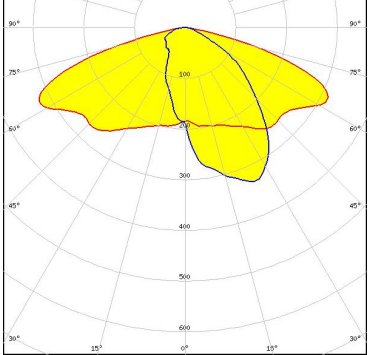


**SEOUL SEMICONDUCTOR**  
 LED Z8Y19  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



#### PHOTOMETRIC DATA (SIMULATED):

<p><b>SEOL</b> SEOL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM / FWTM Asymmetric Efficiency 90 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p><b>SEOL</b> SEOL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p>Protective plate, glass</p>	
<p><b>SEOL</b> SEOL SEMICONDUCTOR</p> <p>LED Z8Y22P FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p><b>SEOL</b> SEOL SEMICONDUCTOR</p> <p>LED Z8Y22T FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p>Protective plate, glass</p>	

#### PHOTOMETRIC DATA (SIMULATED):





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

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Finland

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USA

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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)