

## STRADA-IP-2X6-T2

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

### TECHNICAL SPECIFICATIONS:

Dimensions	71.4 x 173.0 mm
Height	9.2 mm
Fastening	screw
Colour	clear
Box size	476 x 273 x 247 mm
Box weight	8.1 kg
Quantity in Box	120 pcs
ROHS compliant	yes ⓘ


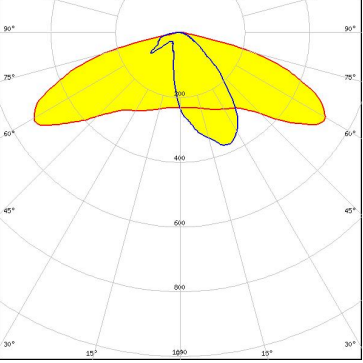

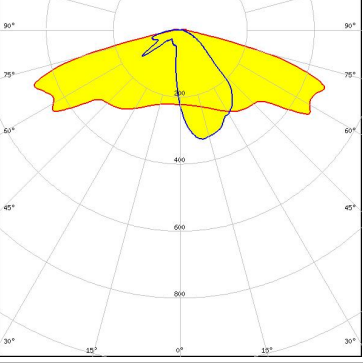

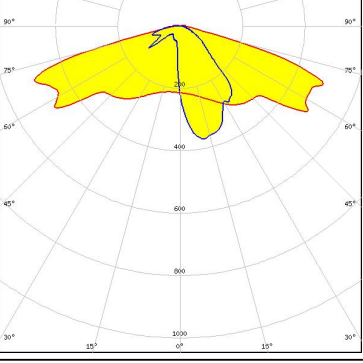

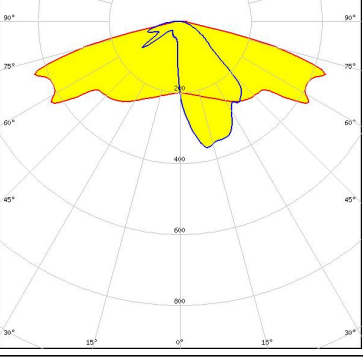


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
STRADA-IP-2X6-T2	Multi-lens	PMMA	clear
2X6-SEAL25	Seal	Silicone	white



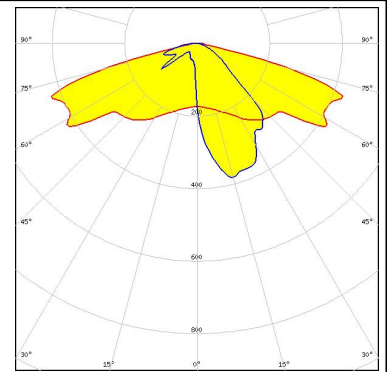
#### PHOTOMETRIC DATA (MEASURED):

<p> <b>bridgelux</b></p> <p>LED                    Bridgelux SMD 5050            FWHM                Asymmetric            Efficiency            94 %            Peak intensity      0.660 cd/m            LEDs/each optic    1            Light colour        White            Required components:</p>	
<p> <b>COMET ELECTRONICS</b></p> <p>LED                    QUICK FLUX 2x6 LED XG xxx G7+            FWHM                Asymmetric            Efficiency            94 %            Peak intensity      0.850 cd/m            LEDs/each optic    1            Light colour        White            Required components:</p>	
<p> <b>COMET ELECTRONICS</b></p> <p>LED                    QUICK FLUX 2x6 LED XT xxx G5            FWHM                Asymmetric            Efficiency            94 %            Peak intensity      1.100 cd/m            LEDs/each optic    1            Light colour        White            Required components:</p>	
<p> <b>CREE</b></p> <p>LED                    XP-G            FWHM                Asymmetric            Efficiency            94 %            Peak intensity      1.000 cd/m            LEDs/each optic    1            Light colour        White            Required components:</p>	

#### PHOTOMETRIC DATA (MEASURED):

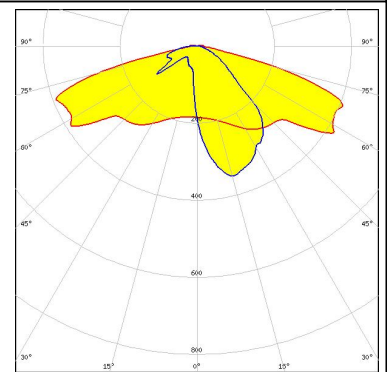
#### CREE

LED XP-G2  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



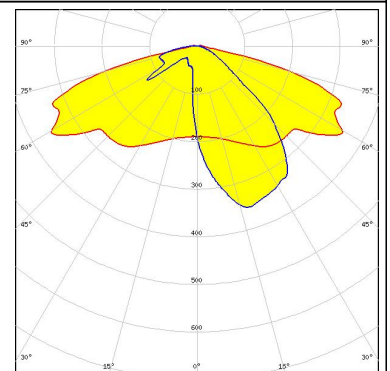
#### CREE

LED XP-G3  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.880 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



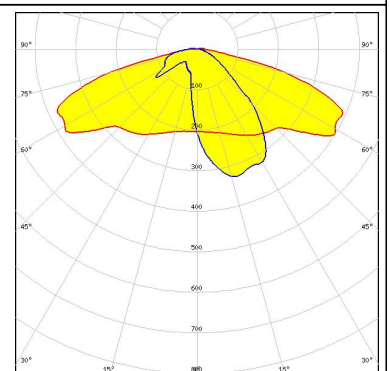
#### CREE

LED XP-L HD  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.770 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE

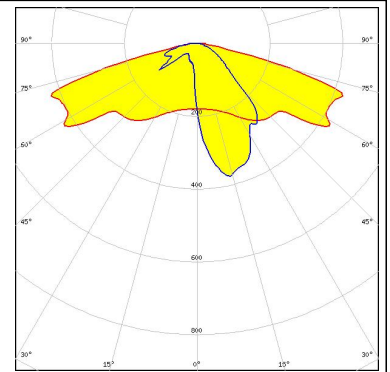
LED XP-L2  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



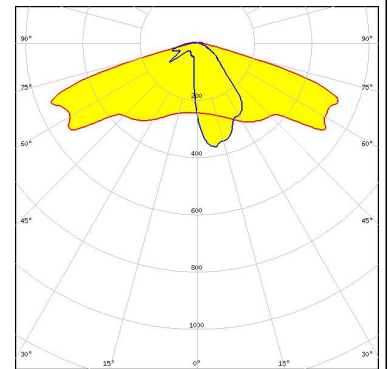
#### PHOTOMETRIC DATA (MEASURED):



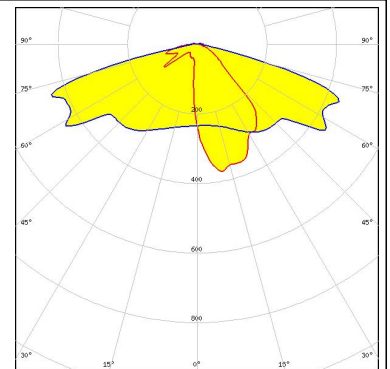
LED XT-E  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



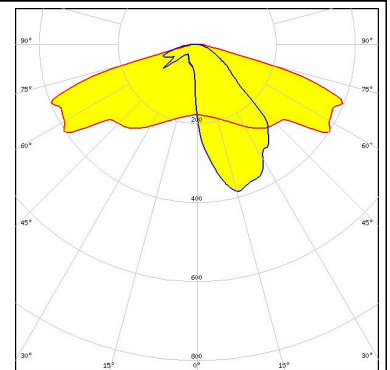
LED XT-E HE  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED H35C1 (LEMWA33)  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



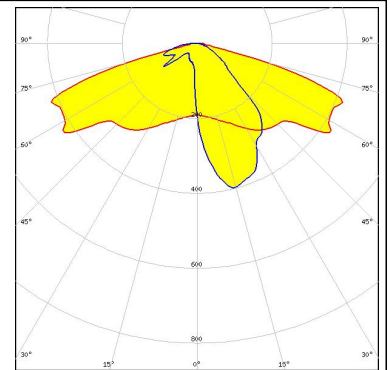
LED LUXEON R  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.980 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

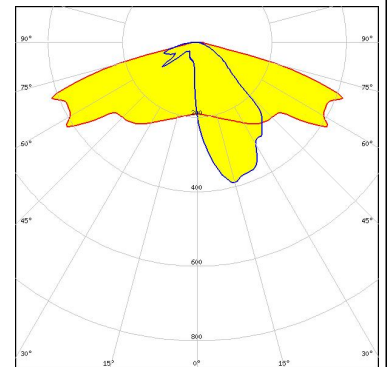
##### LUMILEDS

LED LUXEON Rebel ES  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.970 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



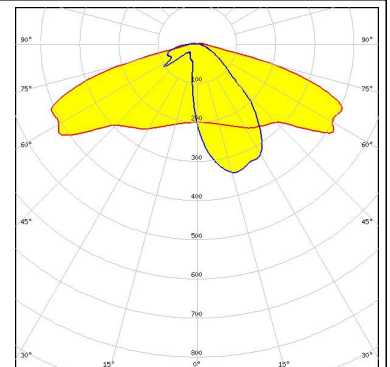
##### LUMILEDS

LED LUXEON T  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



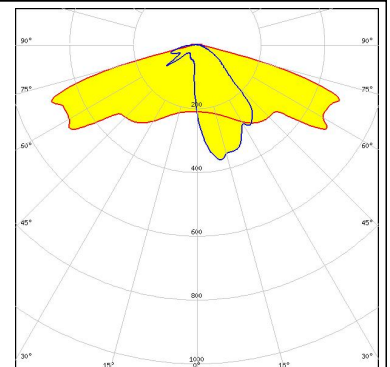
##### LUMILEDS

LED LUXEON V  
FWHM Asymmetric  
Efficiency 92 %  
Peak intensity 0.770 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### LUMILEDS

LED LUXEON XR-TX (L2T0-xyyy012M)  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.050 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

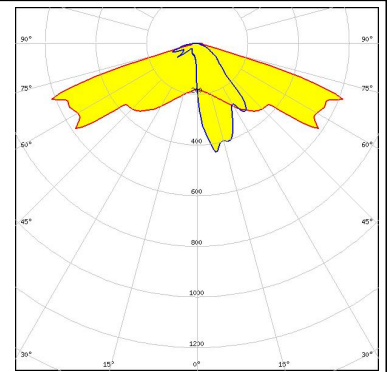




#### PHOTOMETRIC DATA (MEASURED):

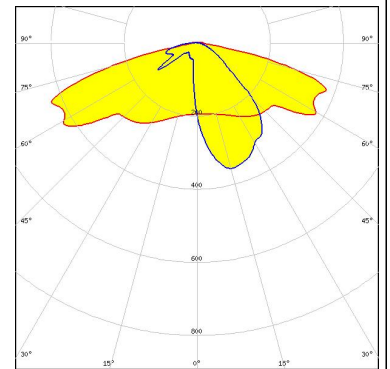
##### LUMILEDS

LED LUXEON Z ES  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



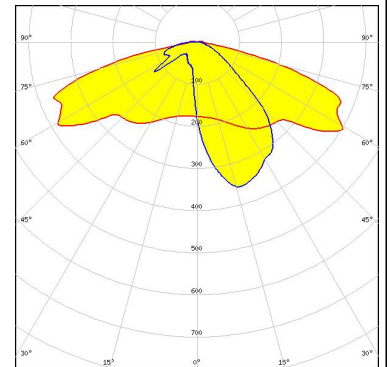
##### NICHIA

LED NVSW319B  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



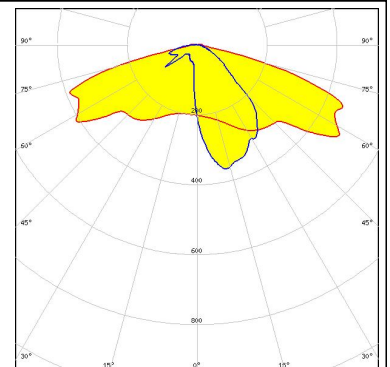
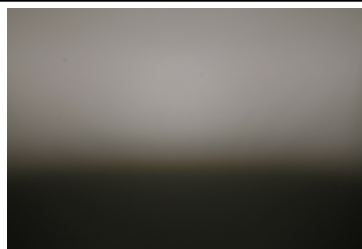
##### NICHIA

LED NVSW3x9A  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.840 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### NICHIA

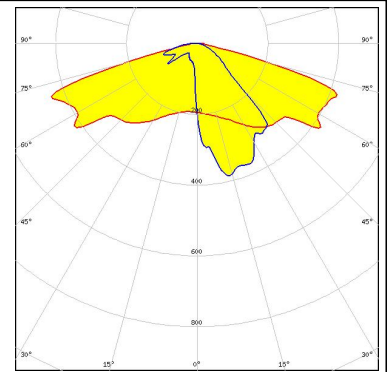
LED NVSxx19B/NVSxx19C  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.980 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

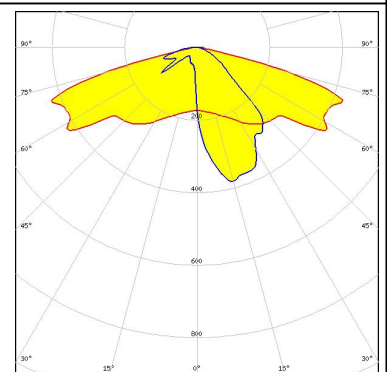
#### OSRAM

OSRAM  
Opto Semiconductors  
LED OSLON Square PC  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.000 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



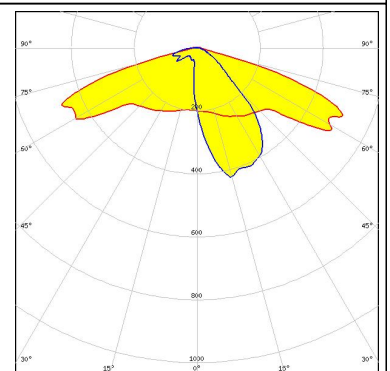
#### PHILIPS

LED Fortimo FastFlex LED 2x6 DP G4  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.000 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



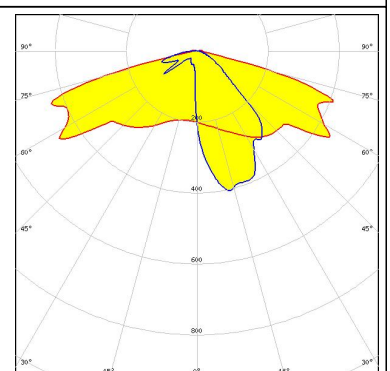
#### SAMSUNG

LED HiLOM RH12 (LH351C)  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.100 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



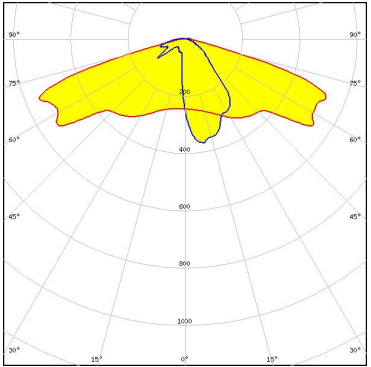
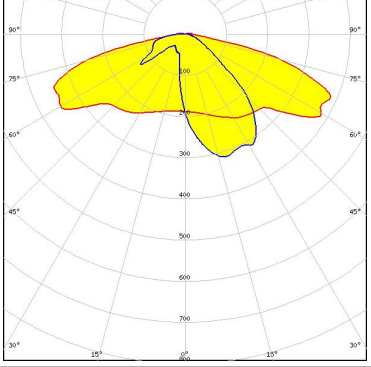
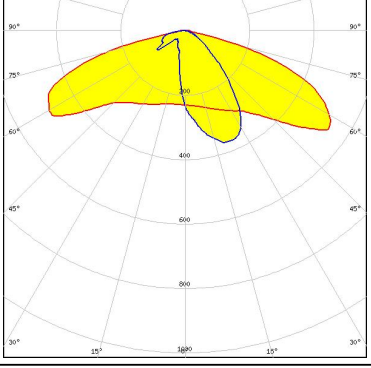
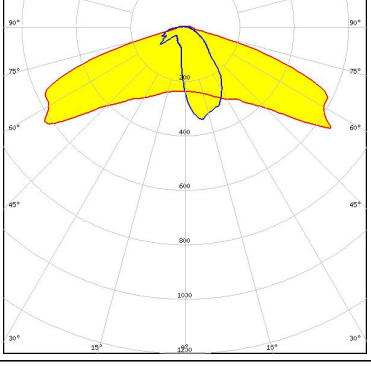
#### SAMSUNG

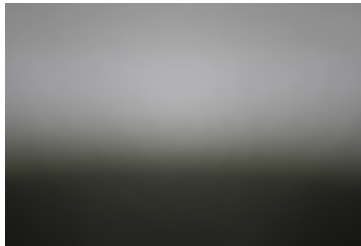
LED LH351Z  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.100 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



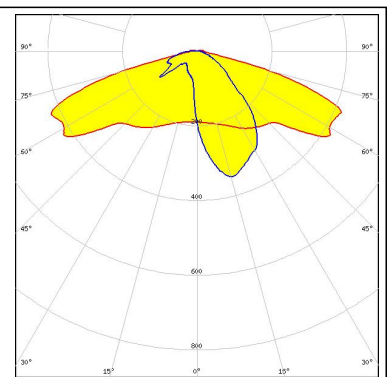

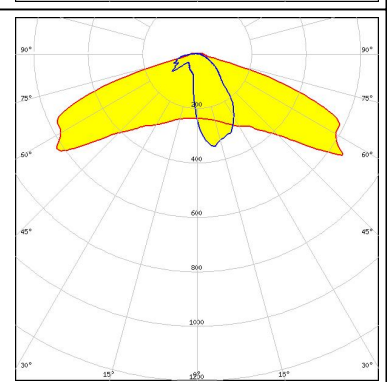
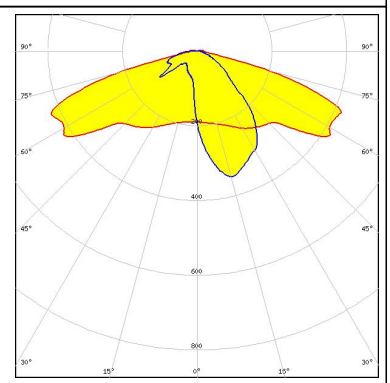
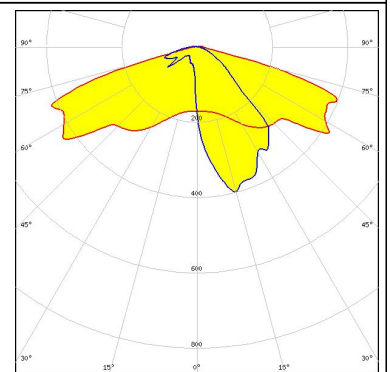


#### PHOTOMETRIC DATA (MEASURED):

<p><b>SCIOLUX</b></p> <p>LED XLE-S22C4XTEHE (XT-E HE)</p> <p>FWHM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.000 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SCIOLUX</b></p> <p>LED XLE-S26XHP35 (XHP35 HD)</p> <p>FWHM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.700 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED 2x6 5050 module - SMJD-3625012F-XX</p> <p>FWHM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.730 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED SMJQ-D36W12Mx</p> <p>FWHM Asymmetric</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.940 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	



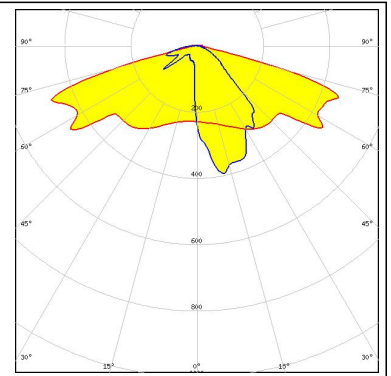
#### PHOTOMETRIC DATA (MEASURED):

<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED SMJQ-D36W12Px FWHM Asymmetric Efficiency 94 % Peak intensity 0.880 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM Asymmetric Efficiency 93 % Peak intensity 0.940 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P FWHM Asymmetric Efficiency 94 % Peak intensity 0.880 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p><b>TOSHIBA</b> Leading Innovation &gt;&gt;&gt;</p> <p>LED TL1L4 FWHM Asymmetric Efficiency 93 % Peak intensity 0.970 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

#### TRIDONIC

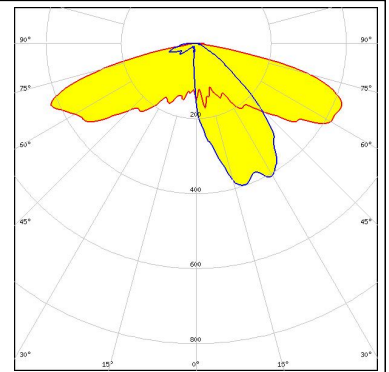
LED RLE 2x6 3000lm HP EXC2 OTD  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.000 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



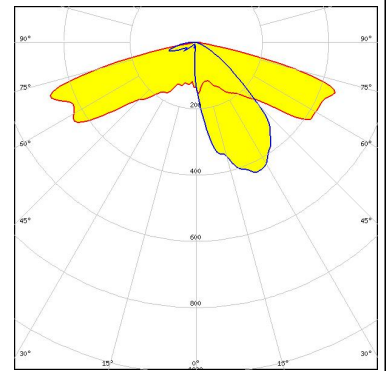
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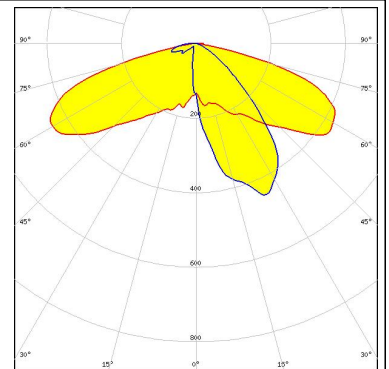
LED XHP35 HD  
 FWHM Asymmetric  
 Efficiency 88 %  
 Peak intensity 0.680 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



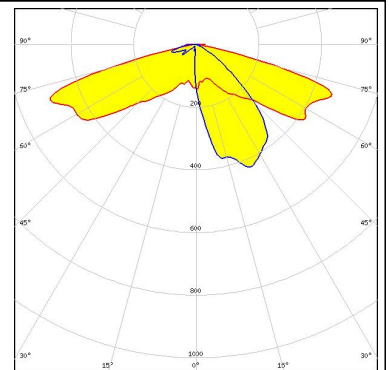
LED XHP35 HI  
 FWHM Asymmetric  
 Efficiency 90 %  
 Peak intensity 0.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON 5050  
 FWHM Asymmetric  
 Efficiency 90 %  
 Peak intensity 0.630 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON TX  
 FWHM Asymmetric  
 Efficiency 88 %  
 Peak intensity 0.710 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

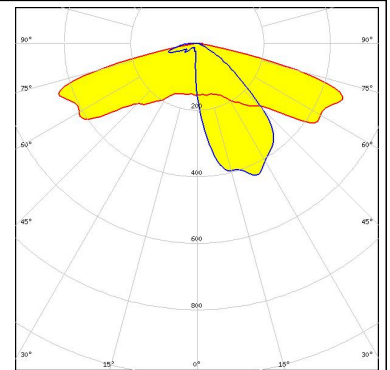
<p><b>NICHIA</b></p> <p>LED NVSW219D            FWHM Asymmetric            Efficiency 94 %            Peak intensity 0.000 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Duris S8            FWHM Asymmetric            Efficiency 91 %            Peak intensity 0.740 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 3737 (2W version)            FWHM Asymmetric            Efficiency 90 %            Peak intensity 0.840 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 3737 (3W version)            FWHM Asymmetric            Efficiency 93 %            Peak intensity 0.670 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

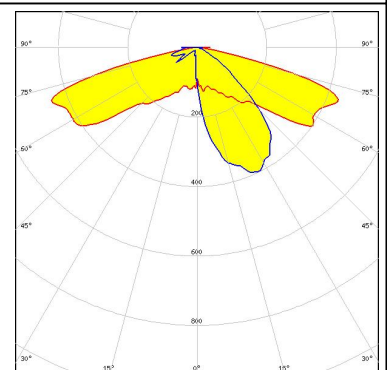
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
 FWHM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.690 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



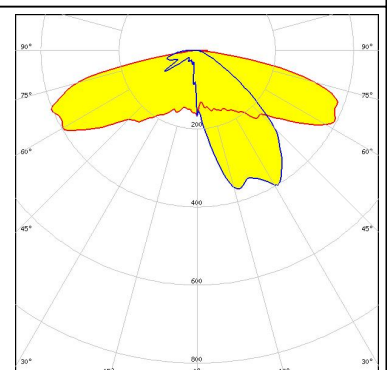
#### PHILIPS

LED Fortimo FastFlex LED 2x6 DPX G4  
 FWHM Asymmetric  
 Efficiency 88 %  
 Peak intensity 0.750 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



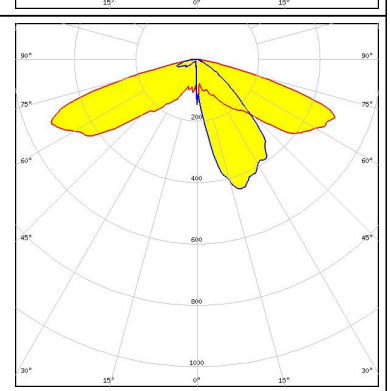
#### SAMSUNG

LED LH351D  
 FWHM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.620 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

LED Acrich MJT 4040  
 FWHM Asymmetric  
 Efficiency 91 %  
 Peak intensity 0.890 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





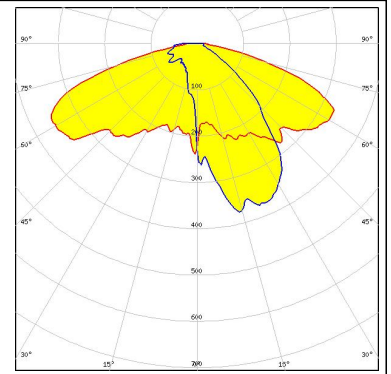
#### PHOTOMETRIC DATA (SIMULATED):

<p><b>SEOUL</b> SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 5050 6V            FWHM: Asymmetric            Efficiency: 94 %            Peak intensity: 0.640 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>SEOUL</b> SEOUL SEMICONDUCTOR</p> <p>LED: Z5M            FWHM: Asymmetric            Efficiency: 89 %            Peak intensity: cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>SEOUL</b> SEOUL SEMICONDUCTOR</p> <p>LED: Z5M1/Z5M2            FWHM: Asymmetric            Efficiency: 90 %            Peak intensity: 0.990 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>TOSHIBA</b> Leading Innovation &gt;&gt;&gt;</p> <p>LED: TL1L2            FWHM: Asymmetric            Efficiency: 88 %            Peak intensity: 0.870 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

**TOSHIBA**  
Leading Innovation >>>

LED TL1L3  
FWHM Asymmetric  
Efficiency 86 %  
Peak intensity 0.570 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.

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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.

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#### LEDiL Oy

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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)