

## HB-IP-2X6-M

~25° medium beam

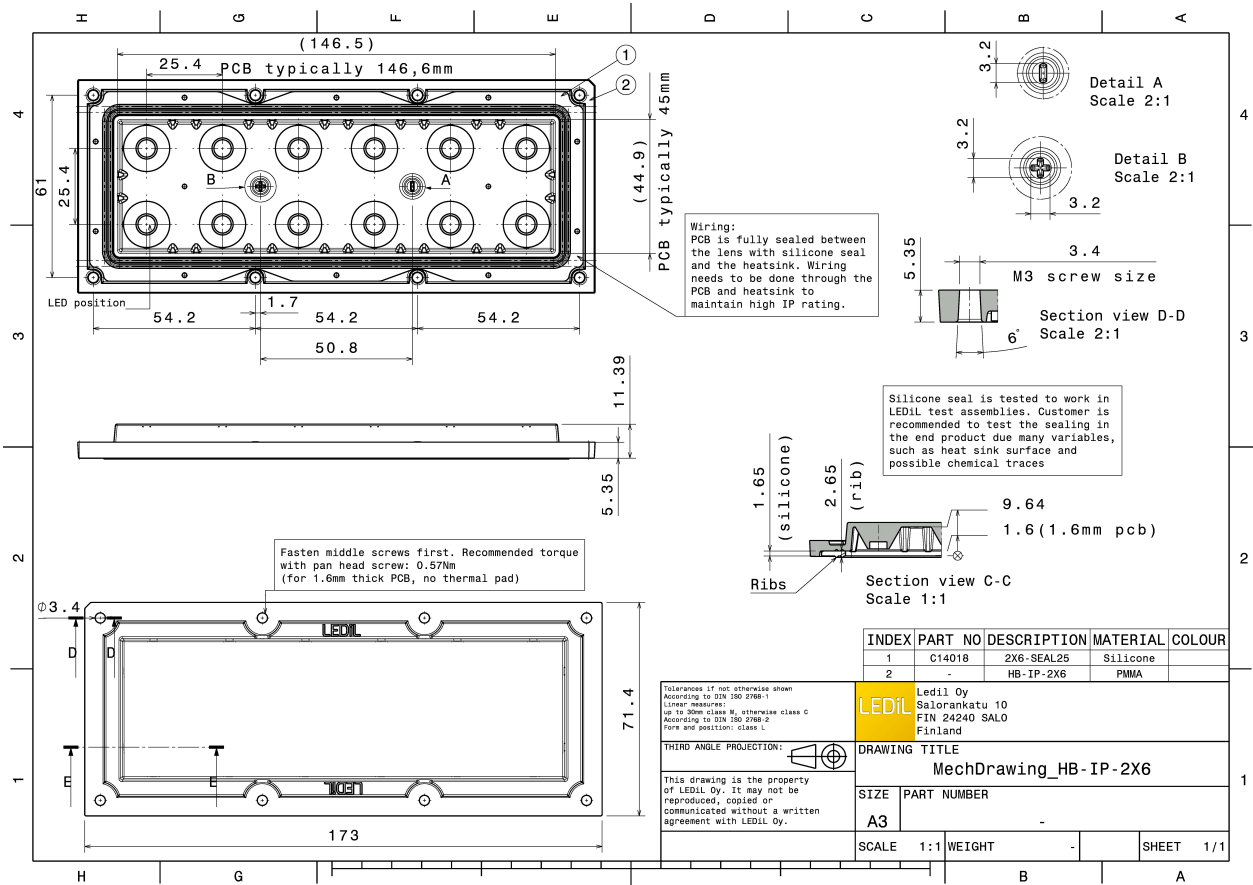
### TECHNICAL SPECIFICATIONS:

Dimensions	173.0 x 71.4 mm
Height	11.4 mm
Fastening	pin, screw
Colour	clear
Box size	476 x 273 x 247 mm
Box weight	8.1 kg
Quantity in Box	120 pcs
ROHS compliant	yes ⓘ


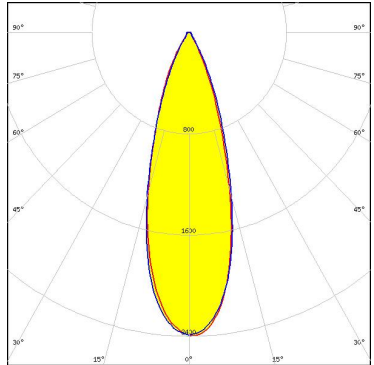

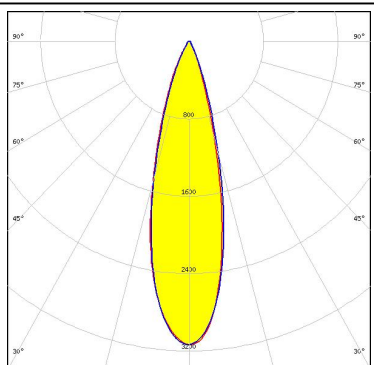
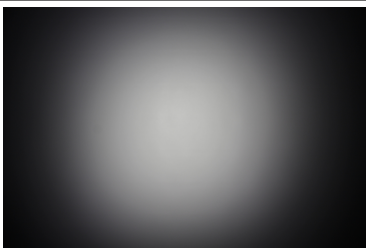
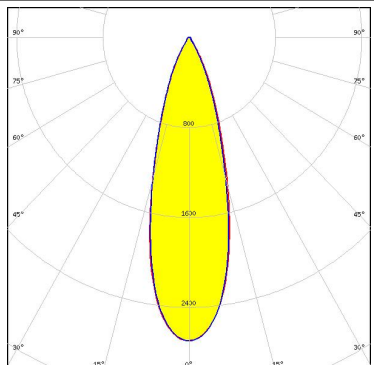

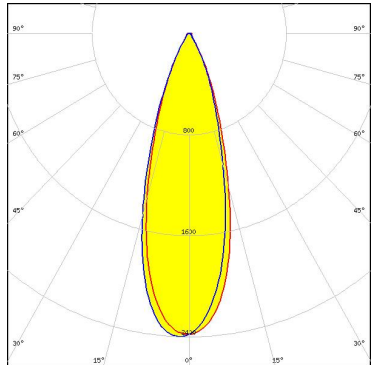


### MATERIAL SPECIFICATIONS:

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



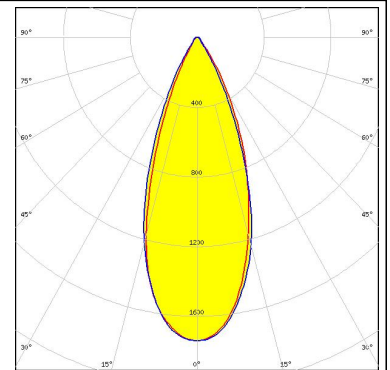
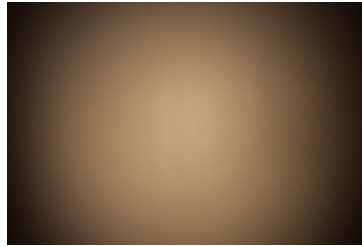
#### PHOTOMETRIC DATA (MEASURED):

<p><b>COMET ELECTRONICS</b></p> <p>LED QUICK FLUX 2x6 LED XG xxx G7+</p> <p>FWHM 32.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 2.400 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>CREE</b></p> <p>LED XM-L</p> <p>FWHM 27.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 3.100 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>CREE</b></p> <p>LED XP-G2</p> <p>FWHM 30.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 2.700 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>CREE</b></p> <p>LED XP-G3</p> <p>FWHM 32.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 2.400 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

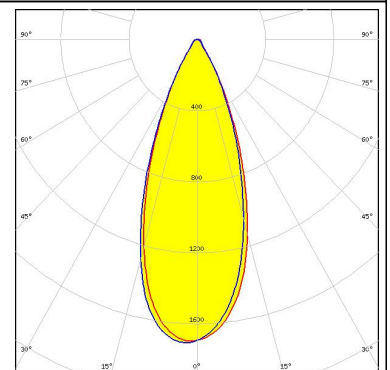
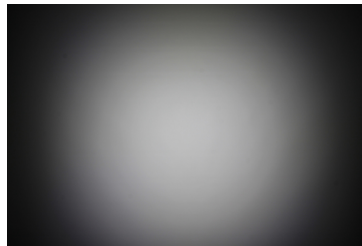
#### PHOTOMETRIC DATA (MEASURED):



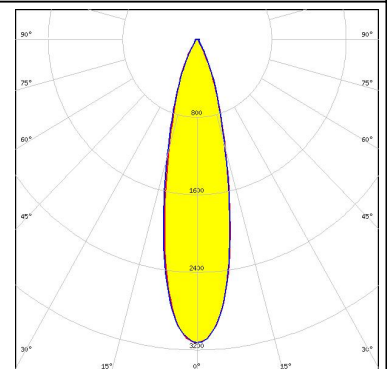
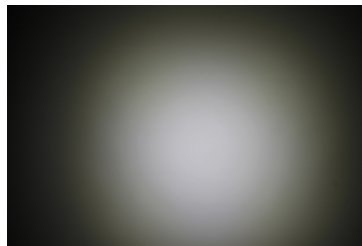
LED XP-L HD  
 FWHM 39.0°  
 Efficiency 94 %  
 Peak intensity 1.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



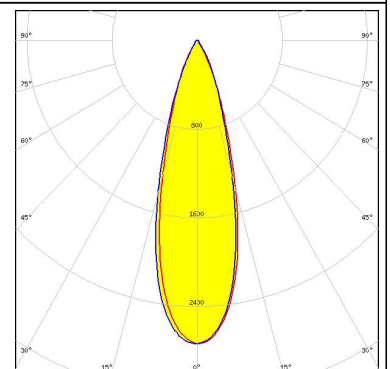
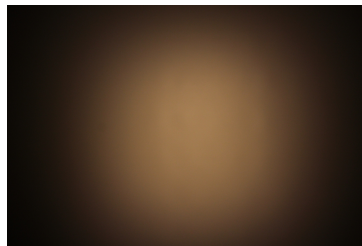
LED XP-L2  
 FWHM 39.0°  
 Efficiency 94 %  
 Peak intensity 1.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XT-E  
 FWHM 25.0°  
 Efficiency 92 %  
 Peak intensity 3.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON T  
 FWHM 29.0°  
 Efficiency 94 %  
 Peak intensity 2.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

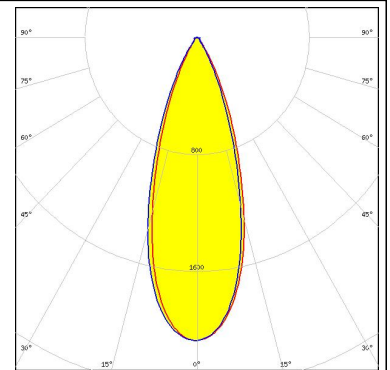




#### PHOTOMETRIC DATA (MEASURED):

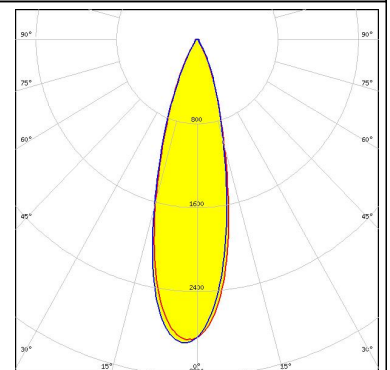
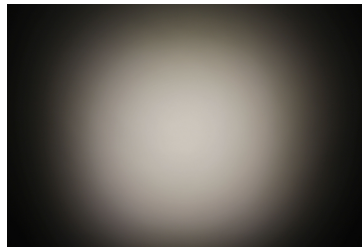
##### LUMILEDS

LED LUXEON V  
 FWHM 35.0°  
 Efficiency 93 %  
 Peak intensity 2.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



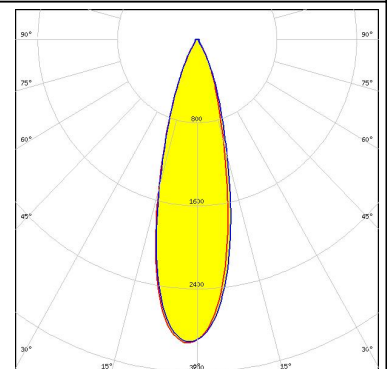
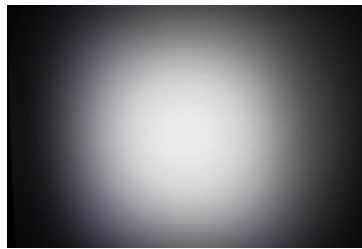
##### LUMILEDS

LED LUXEON V2  
 FWHM 28.0°  
 Efficiency 94 %  
 Peak intensity 2.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



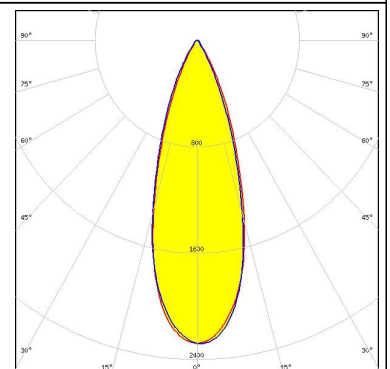
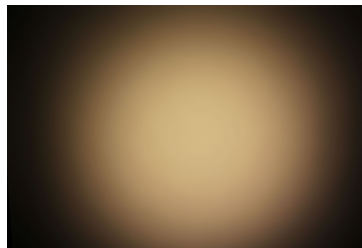
##### LUMILEDS

LED LUXEON XR-TX (L2T0-xyy012M)  
 FWHM 28.0°  
 Efficiency 94 %  
 Peak intensity 2.950 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### NICHIA

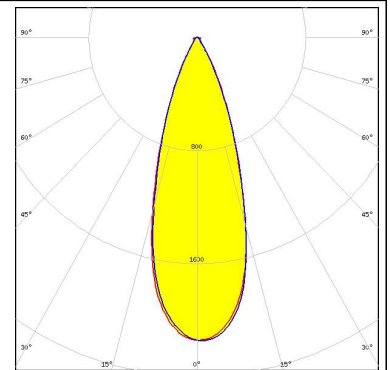
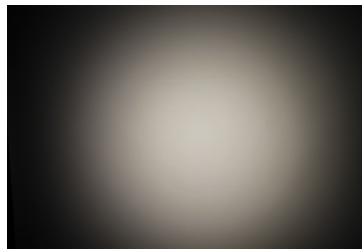
LED NVSW319B  
 FWHM 34.0°  
 Efficiency 94 %  
 Peak intensity 2.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



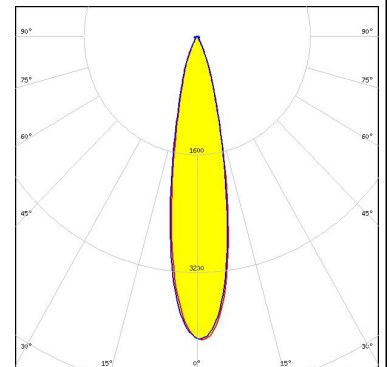
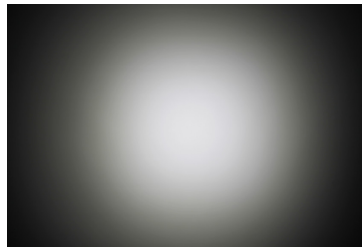
#### PHOTOMETRIC DATA (MEASURED):



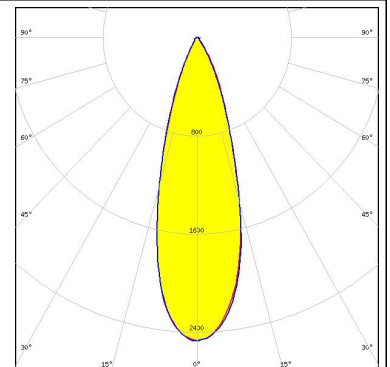
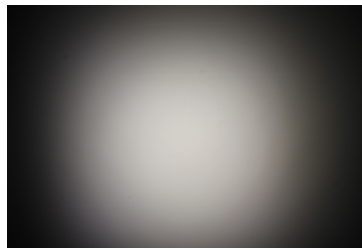
LED NVSW3x9A  
 FWHM 34.0°  
 Efficiency 94 %  
 Peak intensity 2.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



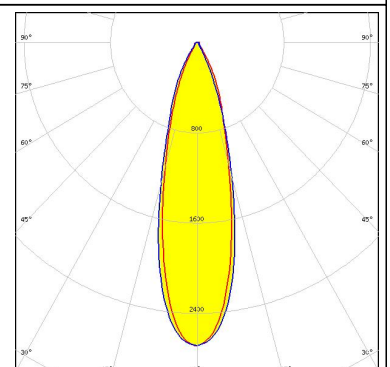
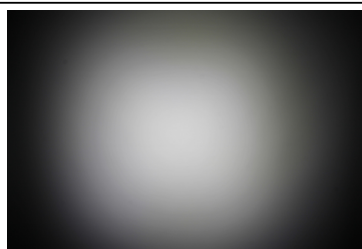
LED NVSxE21A  
 FWHM 24.0°  
 Efficiency 92 %  
 Peak intensity 4.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxx19B/NVSxx19C  
 FWHM 31.0°  
 Efficiency 93 %  
 Peak intensity 2.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



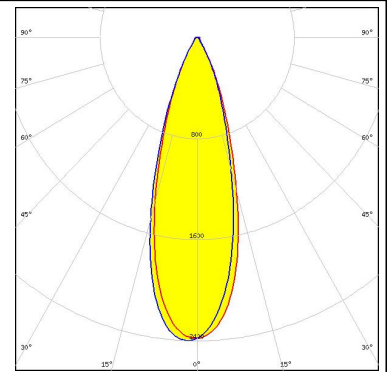
LED Oslon Square PC  
 FWHM 29.0°  
 Efficiency 93 %  
 Peak intensity 2.690 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

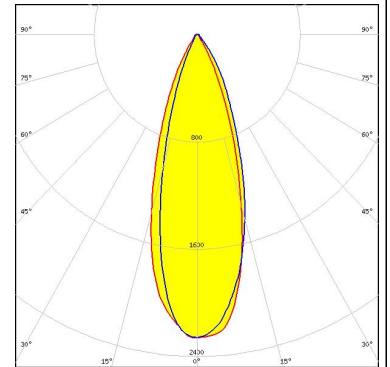
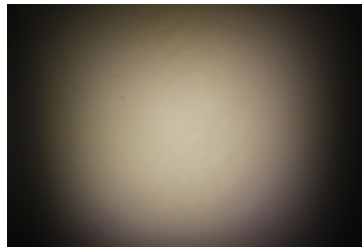
### PHILIPS

LED Fortimo FastFlex LED 2x6 DPX G4  
 FWHM 32.0°  
 Efficiency 94 %  
 Peak intensity 2.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

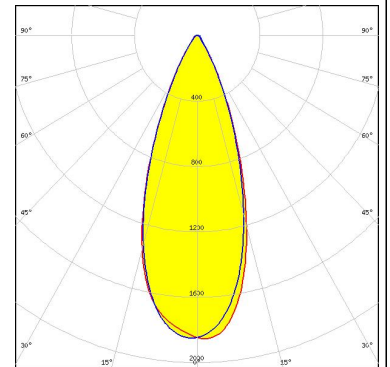
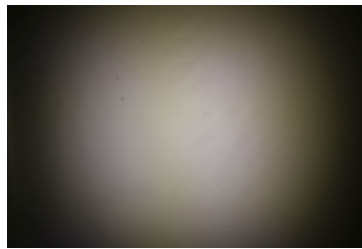


### SAMSUNG

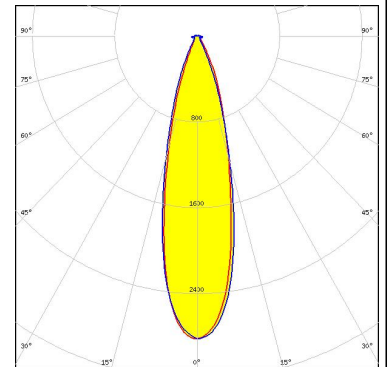
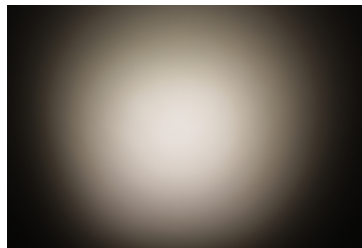
LED HiLOM RH12 (LH351C)  
 FWHM 33.0°  
 Efficiency 94 %  
 Peak intensity 2.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





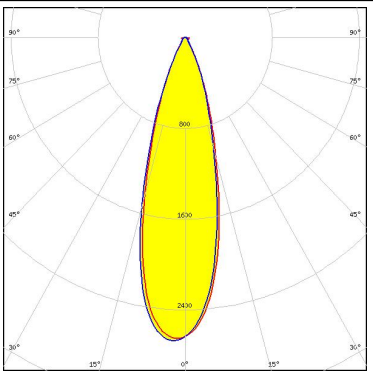


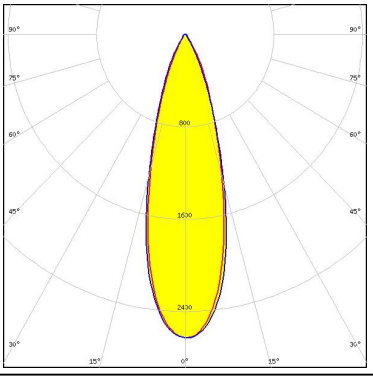


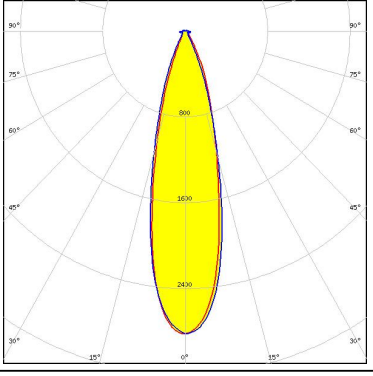

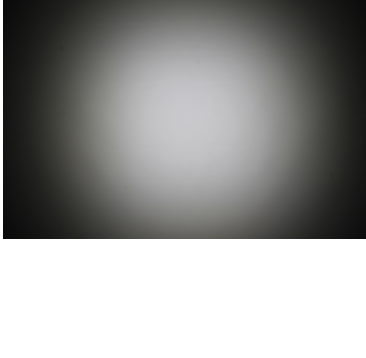
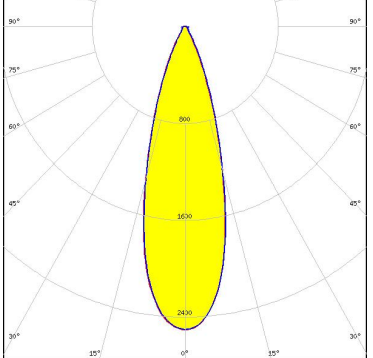
LED 2x6 5050 module - SMJD-3625012F-XX  
 FWHM 38.0°  
 Efficiency 94 %  
 Peak intensity 1.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED SMJQ-D36W12Mx  
 FWHM 26.0°  
 Efficiency 91 %  
 Peak intensity 2.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



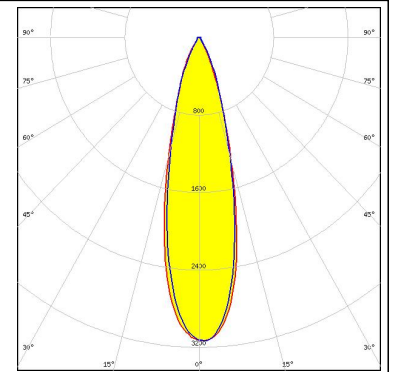
#### PHOTOMETRIC DATA (MEASURED):

<p> SEUL SEUL SEMICONDUCTOR</p> <p>LED SMJQ-D36W12Px FWHM 29.0° Efficiency 94 % Peak intensity 2.700 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p> SEUL SEUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2 FWHM 30.0° Efficiency 93 % Peak intensity 2.630 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p> SEUL SEUL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM 26.0° Efficiency 91 % Peak intensity 2.800 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p> SEUL SEUL SEMICONDUCTOR</p> <p>LED Z8Y22P FWHM 30.0° Efficiency 93 % Peak intensity 2.500 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

## PHOTOMETRIC DATA (MEASURED):

### TRIDONIC

LED RLE 2x6 3000lm HP EXC2 OTD  
FWHM 26.0°  
Efficiency 94 %  
Peak intensity 3.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

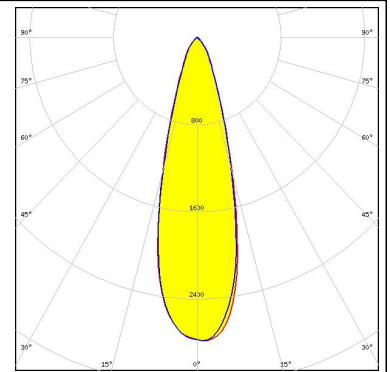




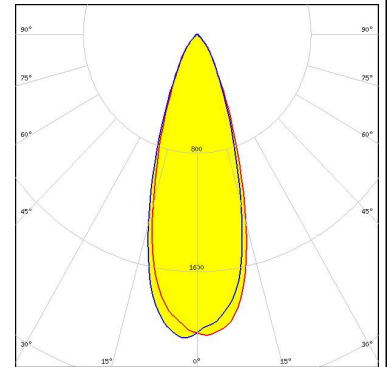
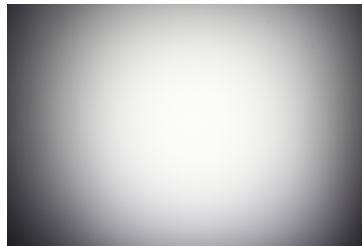
#### PHOTOMETRIC DATA (SIMULATED):



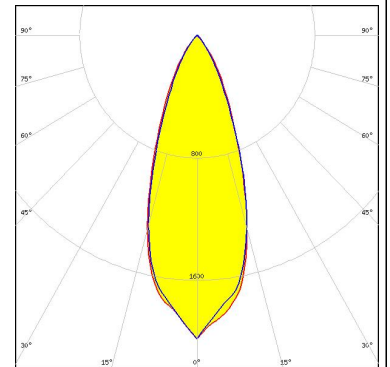
**LED** XP-E  
**FWHM** 28.0°  
**Efficiency** 94 %  
**Peak intensity** 2.810 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



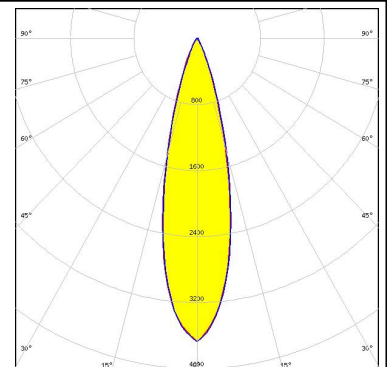
**LED** H35C1 (LEMWA33)  
**FWHM** 35.0°  
**Efficiency** 94 %  
**Peak intensity** 2.100 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** LUXEON 5050  
**FWHM** 37.0°  
**Efficiency** 93 %  
**Peak intensity** 1.980 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** OSCONIQ P 3737 (3W version)  
**FWHM** 26.0°  
**Efficiency** 94 %  
**Peak intensity** 3.680 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**

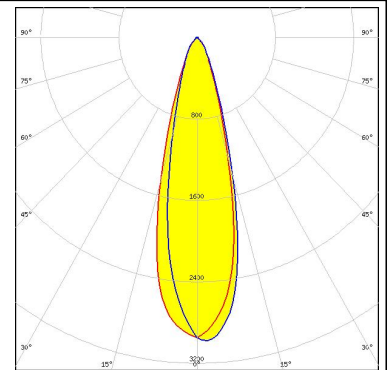


#### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

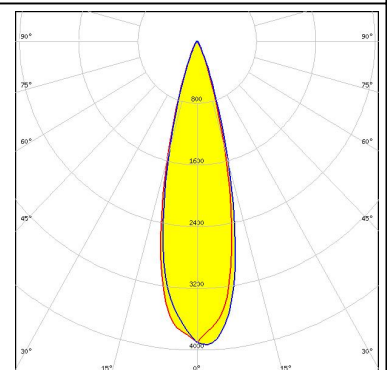
Opto Semiconductors

LED Oslon Square Gen3  
 FWHM 27.0°  
 Efficiency 94 %  
 Peak intensity 2.990 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



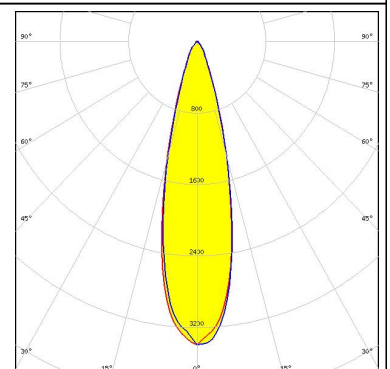
#### PHILIPS

LED Fortimo FastFlex LED 2x6 DP G4  
 FWHM 26.0°  
 Efficiency 94 %  
 Peak intensity 3.950 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



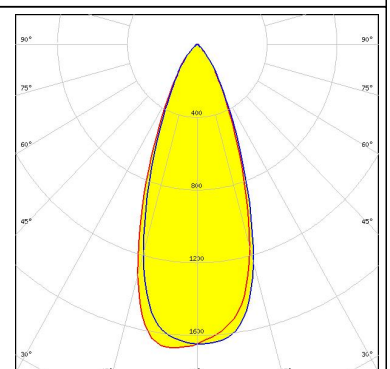
#### SAMSUNG

LED LH181B  
 FWHM 27.0°  
 Efficiency 94 %  
 Peak intensity 3.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

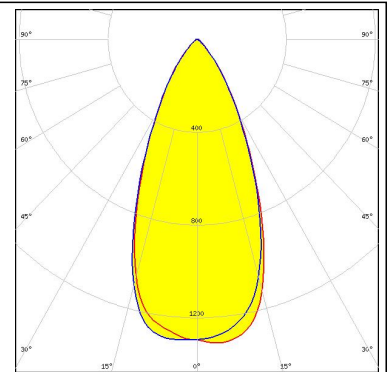
LED LH351C  
 FWHM 39.5°  
 Efficiency 94 %  
 Peak intensity 1.680 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

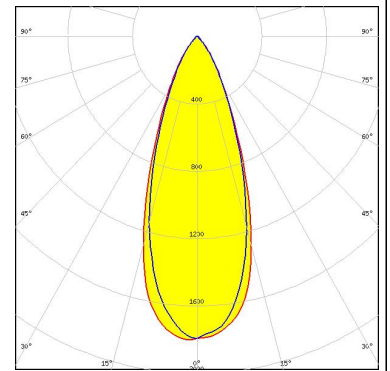
### SAMSUNG

LED LH351D  
FWHM 46.0°  
Efficiency 94 %  
Peak intensity 1.320 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED SEOUL DC 5050 6V  
FWHM 39.0°  
Efficiency 94 %  
Peak intensity 1.820 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

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#### Local sales and technical support

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#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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