



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## HB-IP-2X6-M

~25° medium beam

### TECHNICAL SPECIFICATIONS:

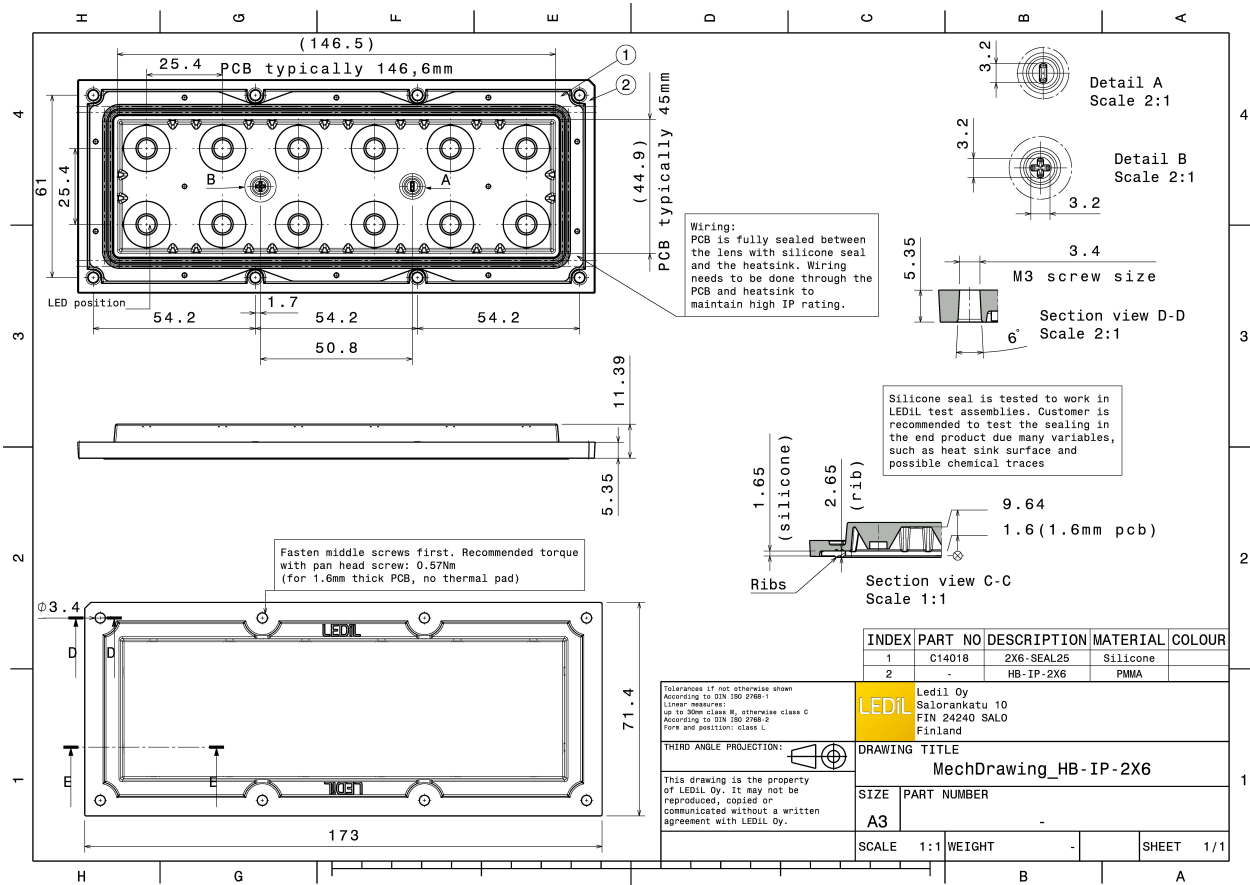
Dimensions	173.0 x 71.4 mm
Height	11.4 mm
Fastening	pin, screw
Colour	clear
Box size	476 x 273 x 247 mm
Box weight	8.1 kg
Quantity in Box	120 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

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

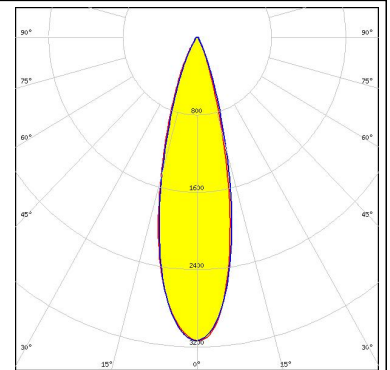




**PHOTOMETRIC DATA (MEASURED):**

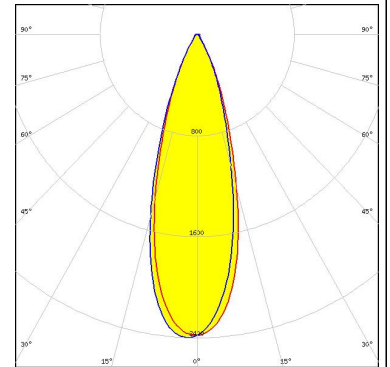
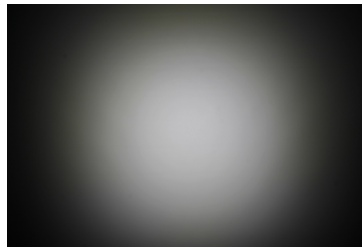
**CREE** 

LED XM-L  
FWHM 27.0°  
Efficiency 94 %  
Peak intensity 3.100 cd/lm  
Required components:



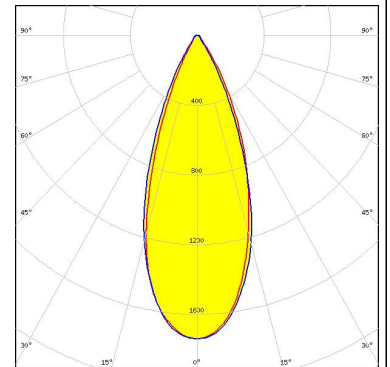
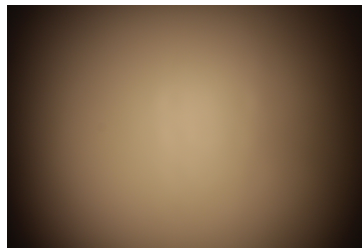
**CREE** 

LED XP-G3  
FWHM 32.0°  
Efficiency 94 %  
Peak intensity 2.400 cd/lm  
Required components:



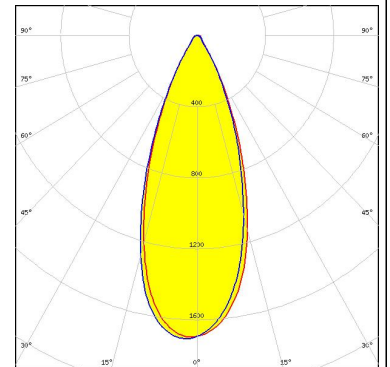
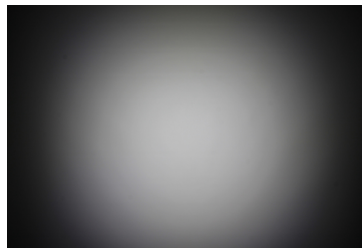
**CREE** 

LED XP-L  
FWHM 39.0°  
Efficiency 94 %  
Peak intensity 1.700 cd/lm  
Required components:



**CREE** 

LED XP-L2  
FWHM 39.0°  
Efficiency 94 %  
Peak intensity 1.700 cd/lm  
Required components:

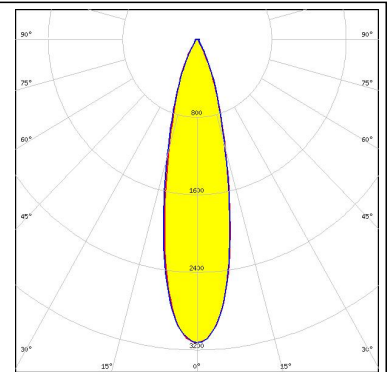
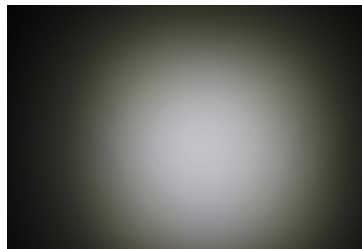




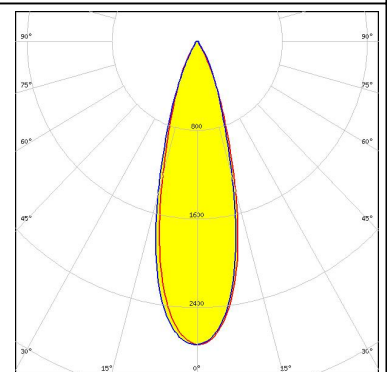
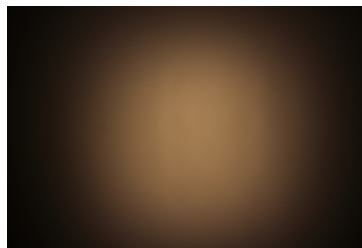
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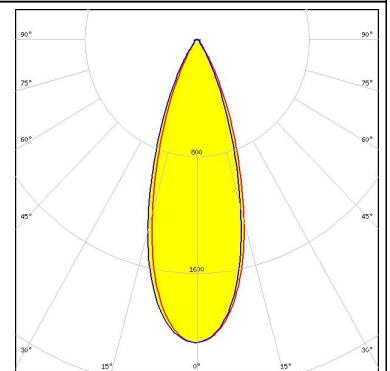
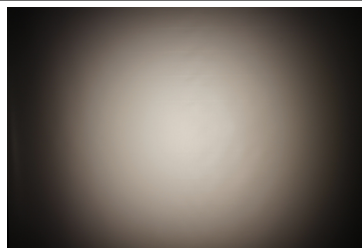
LED XT-E  
 FWHM 25.0°  
 Efficiency 92 %  
 Peak intensity 3.100 cd/lm  
 Required components:



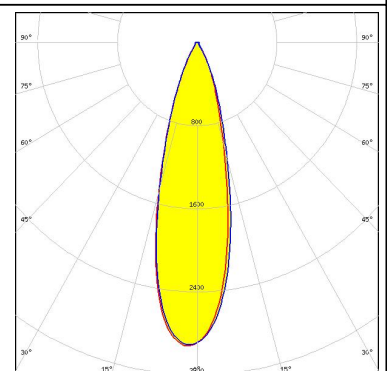
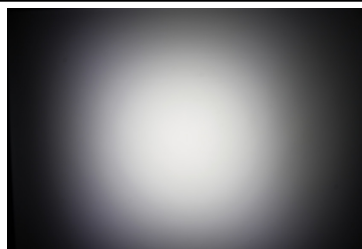
LED LUXEON T  
 FWHM 29.0°  
 Efficiency 94 %  
 Peak intensity 2.700 cd/lm  
 Required components:



LED LUXEON V  
 FWHM 35.0°  
 Efficiency 93 %  
 Peak intensity 2.100 cd/lm  
 Required components:



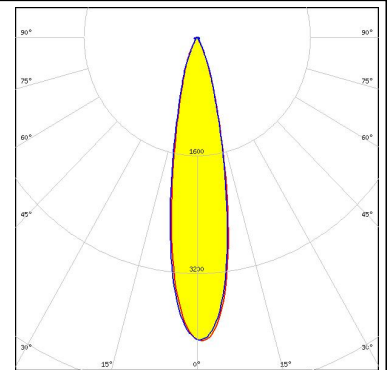
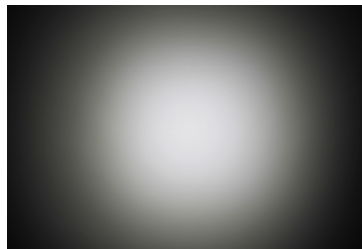
LED LUXEON XR-TX (L2T0-xyy012M)  
 FWHM 28.0°  
 Efficiency 94 %  
 Peak intensity 2.950 cd/lm  
 Required components:



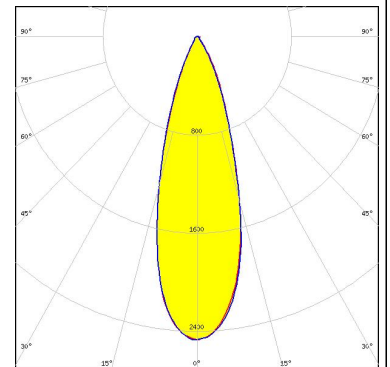
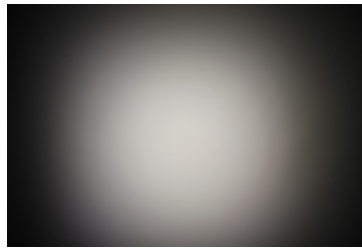
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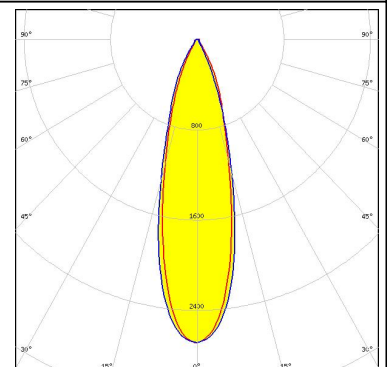
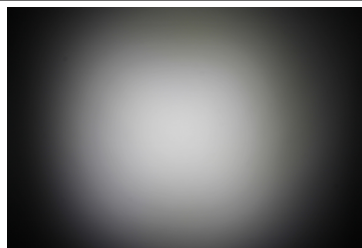
LED NVSxE21A  
 FWHM 24.0°  
 Efficiency 92 %  
 Peak intensity 4.100 cd/lm  
 Required components:



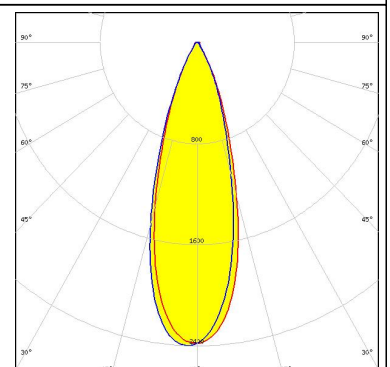
LED NVSxx19B/NVSxx19C  
 FWHM 31.0°  
 Efficiency 93 %  
 Peak intensity 2.500 cd/lm  
 Required components:





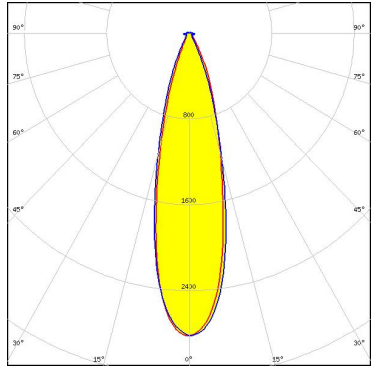

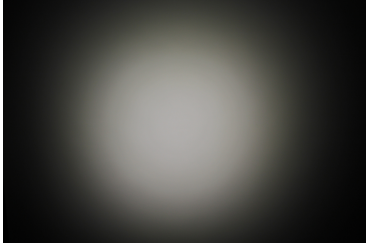
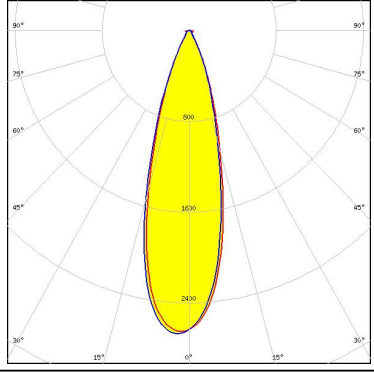

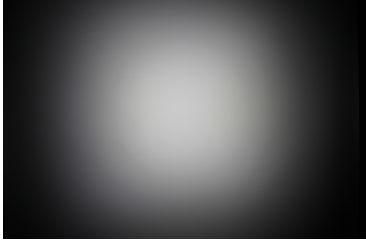
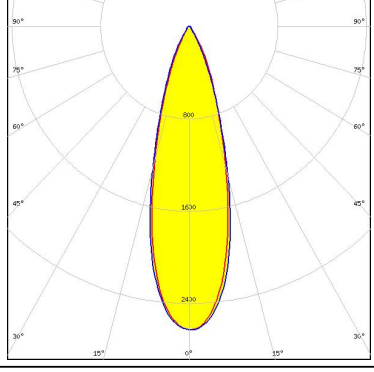

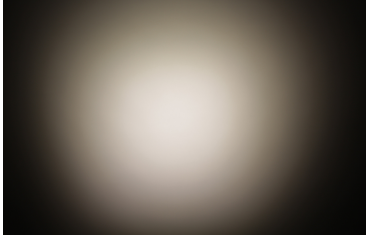
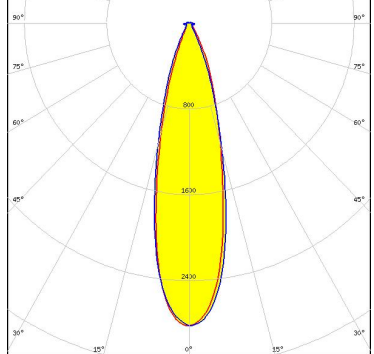
LED Oslon Square PC  
 FWHM 29.0°  
 Efficiency 93 %  
 Peak intensity 2.690 cd/lm  
 Required components:



LED Fortimo FastFlex LED board 2x6 DPX G4  
 FWHM 32.0°  
 Efficiency 94 %  
 Peak intensity 2.400 cd/lm  
 Required components:



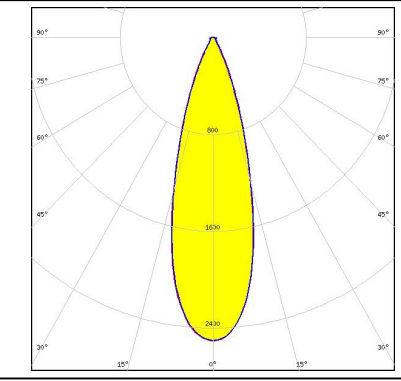
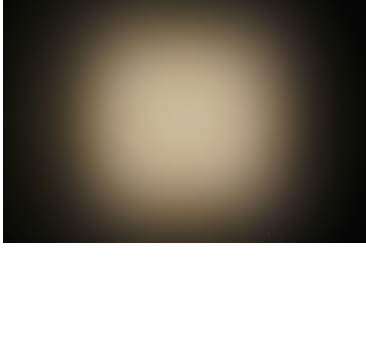
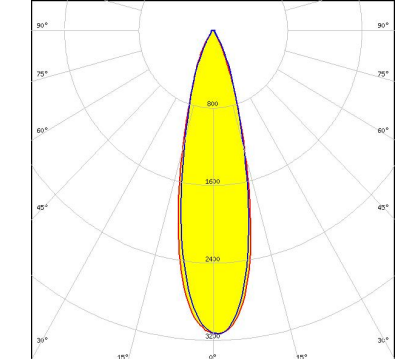


**PHOTOMETRIC DATA (MEASURED):**

<p> SEOUL SEMICONDUCTOR</p> <p>LED SMJQ-D36W12Mx FWHM 26.0° Efficiency 91 % Peak intensity 2.800 cd/lm Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED SMJQ-D36W12Px FWHM 29.0° Efficiency 94 % Peak intensity 2.700 cd/lm Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2 FWHM 30.0° Efficiency 93 % Peak intensity 2.630 cd/lm Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM 26.0° Efficiency 91 % Peak intensity 2.800 cd/lm Required components:</p>		



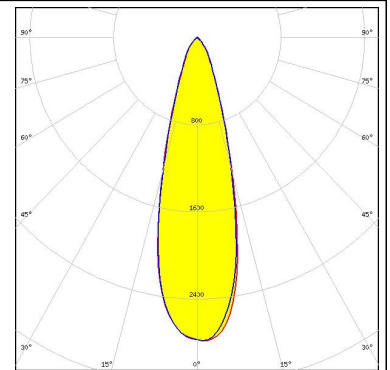
#### PHOTOMETRIC DATA (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED            Z8Y22P FWHM        30.0° Efficiency    93 % Peak intensity 2.500 cd/lm Required components:</p>		
<p><b>TRIDONIC</b></p> <p>LED            RLE G2 HP 2x6 3000lm FWHM        26.0° Efficiency    94 % Peak intensity 3.100 cd/lm Required components:</p>		

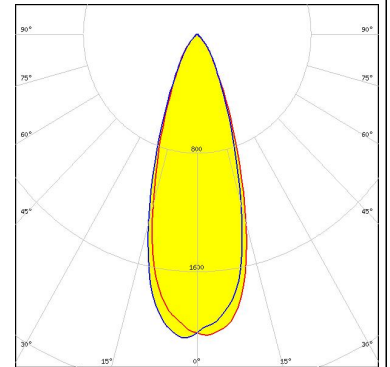
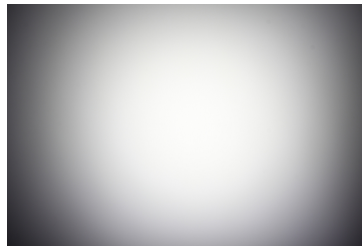
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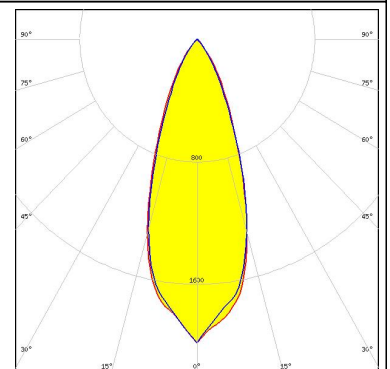
LED XP-E  
FWHM 28.0°  
Efficiency 94 %  
Peak intensity 2.810 cd/lm  
Required components:



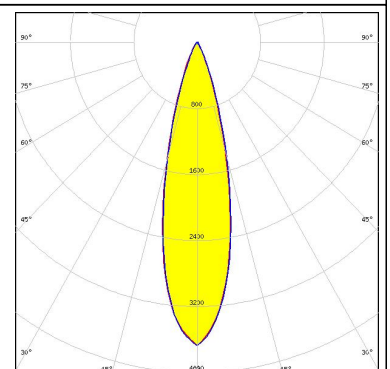
LED H35C1 (LEMWA33)  
FWHM 35.0°  
Efficiency 94 %  
Peak intensity 2.100 cd/lm  
Required components:



LED LUXEON 5050  
FWHM 37.0°  
Efficiency 93 %  
Peak intensity 1.980 cd/lm  
Required components:



LED OSCONIQ P 3737 (3W version)  
FWHM 26.0°  
Efficiency 94 %  
Peak intensity 3.680 cd/lm  
Required components:

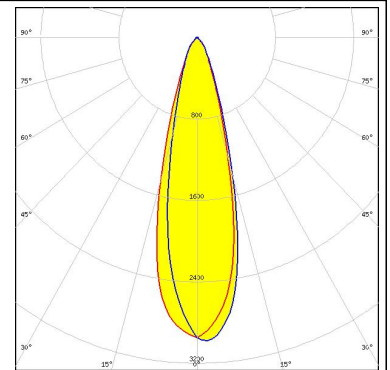


#### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

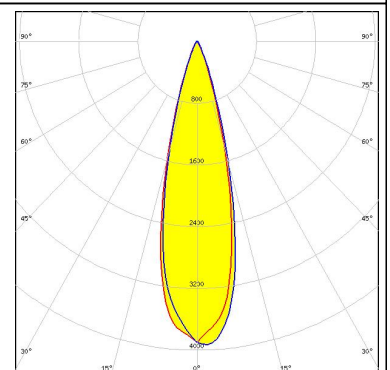
Opto Semiconductors

LED Oslon Square Gen3  
FWHM 27.0°  
Efficiency 94 %  
Peak intensity 2.990 cd/lm  
Required components:



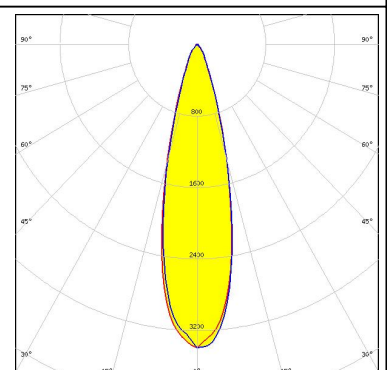
#### PHILIPS

LED Fortimo FastFlex LED board 2x6 DP G4  
FWHM 26.0°  
Efficiency 94 %  
Peak intensity 3.950 cd/lm  
Required components:



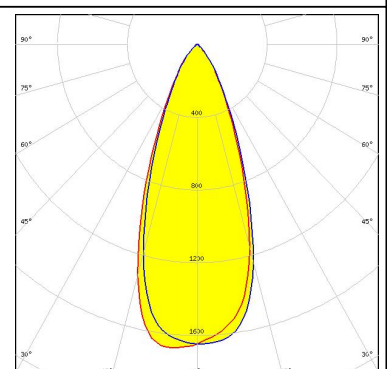
#### SAMSUNG

LED LH181B  
FWHM 27.0°  
Efficiency 94 %  
Peak intensity 3.400 cd/lm  
Required components:



#### SAMSUNG

LED LH351C  
FWHM 39.5°  
Efficiency 94 %  
Peak intensity 1.680 cd/lm  
Required components:

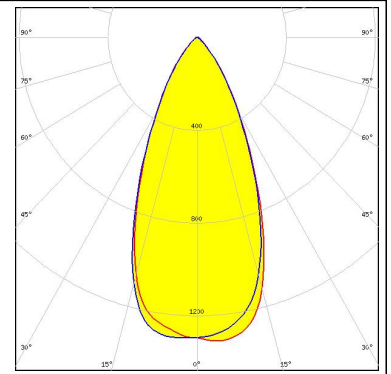




**PHOTOMETRIC DATA (SIMULATED):**

**SAMSUNG**

LED                    LH351D  
FWHM                46.0°  
Efficiency            94 %  
Peak intensity       1.320 cd/lm  
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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