

## HB-IP-2X6-WWW

~100° wide beam

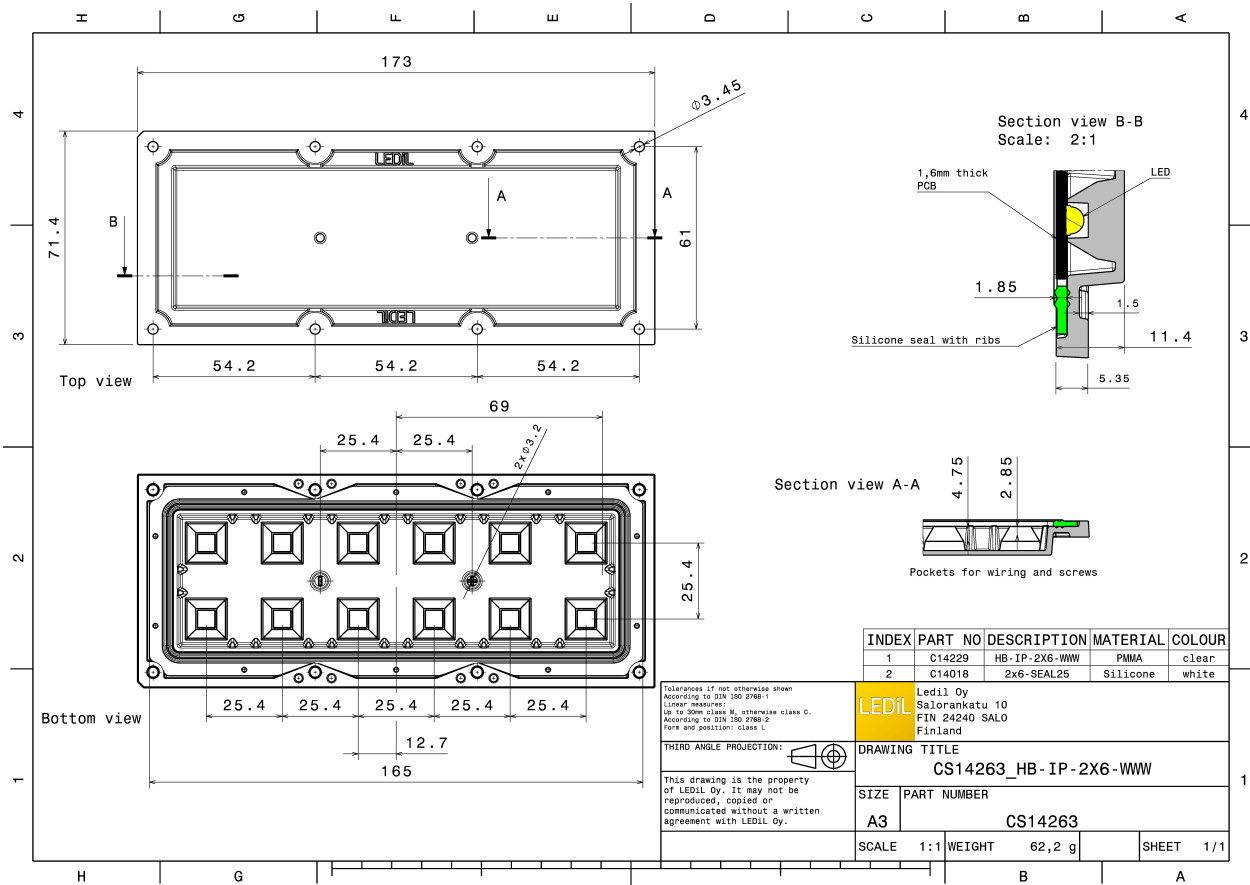
### TECHNICAL SPECIFICATIONS:

Dimensions	71.4 x 173 mm
Height	11.4 mm
Fastening	screw
Colour	clear
Box size	476 x 273 x 247 mm
Box weight	8.3 kg
Quantity in Box	120 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

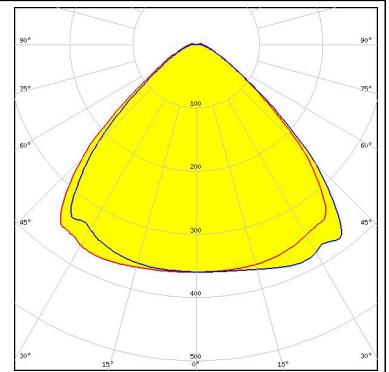
Component	Type	Material	Colour
HB-IP-2X6-WWW	Lens	PMMA	clear
2X6-SEAL25	Seal	Silicone	white



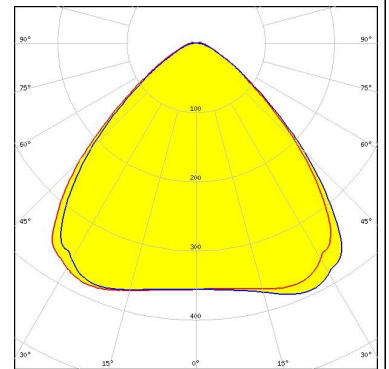
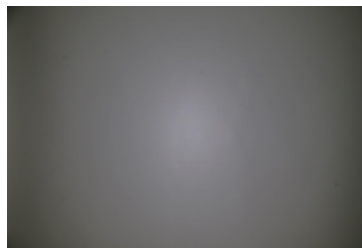
**PHOTOMETRIC DATA (MEASURED):**



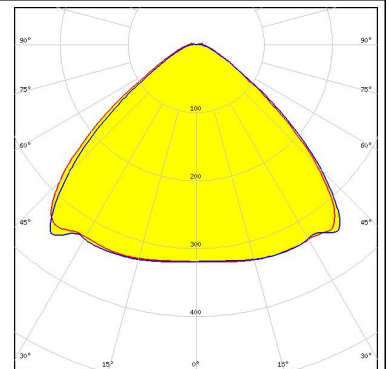
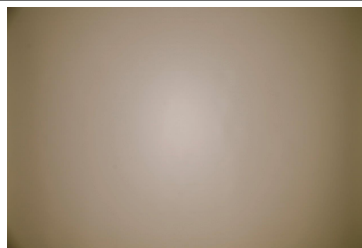
LED XM-L2  
FWHM 97.0°  
Efficiency 93 %  
Peak intensity 0.380 cd/lm  
Required components:



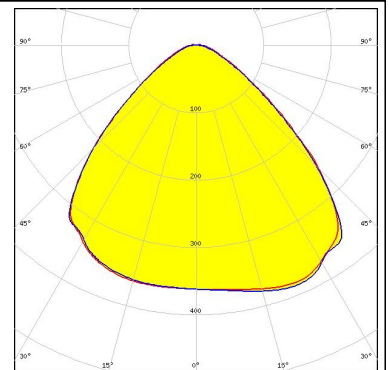
LED XP-G2  
FWHM 95.0°  
Efficiency 93 %  
Peak intensity 0.400 cd/lm  
Required components:



LED XP-L  
FWHM 103.0°  
Efficiency 92 %  
Peak intensity 0.350 cd/lm  
Required components:



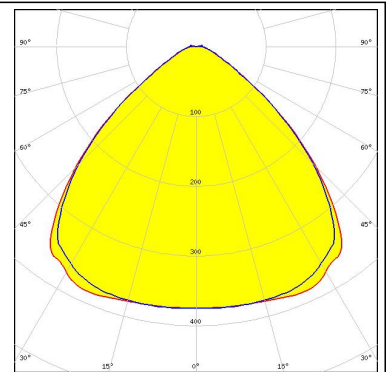
LED XP-L2  
FWHM 96.0°  
Efficiency 94 %  
Peak intensity 0.390 cd/lm  
Required components:



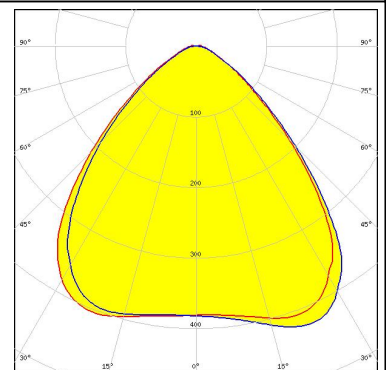
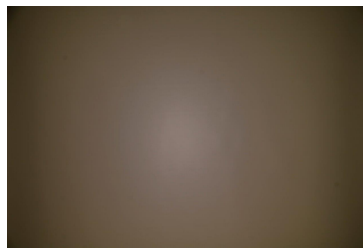
#### PHOTOMETRIC DATA (MEASURED):



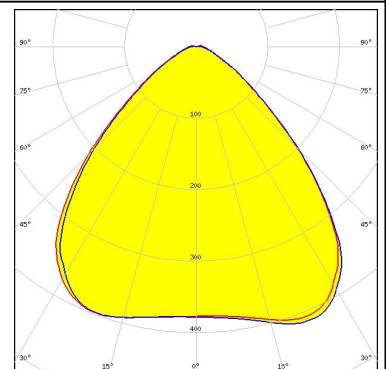
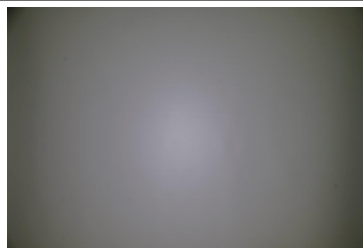
LED XT-E  
FWHM 98.0°  
Efficiency 94 %  
Peak intensity 0.380 cd/lm  
Required components:



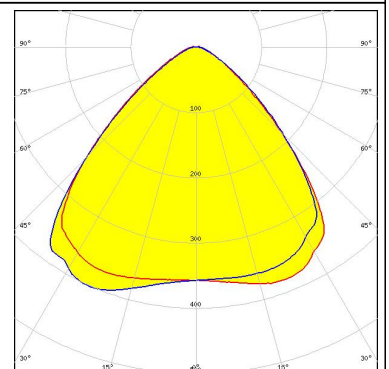
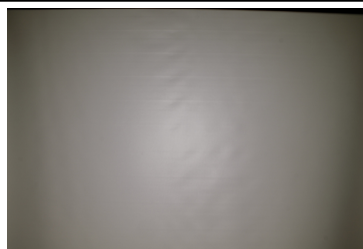
LED LUXEON T  
FWHM 91.0°  
Efficiency 93 %  
Peak intensity 0.440 cd/lm  
Required components:



LED LUXEON TX  
FWHM 95.0°  
Efficiency 93 %  
Peak intensity 0.430 cd/lm  
Required components:



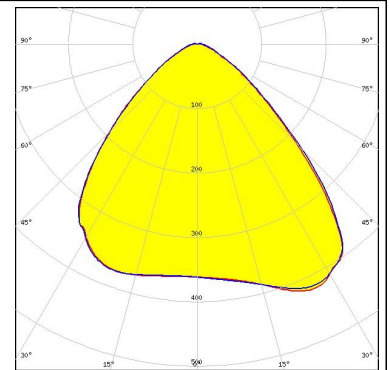
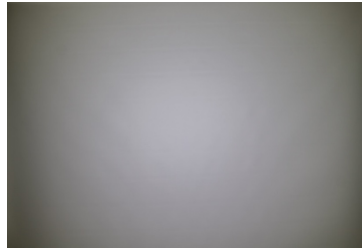
LED LUXEON V  
FWHM 94.0°  
Efficiency 92 %  
Peak intensity 0.400 cd/lm  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

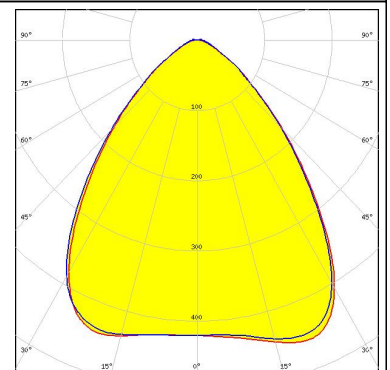
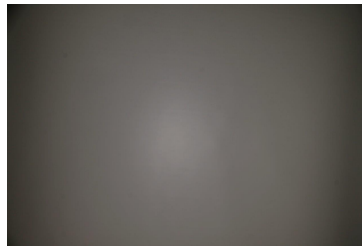
##### LUMILEDS

LED LUXEON XR-TX (L2T0-xxyy012M)  
FWHM 97.0°  
Efficiency 93 %  
Peak intensity 0.430 cd/lm  
Required components:



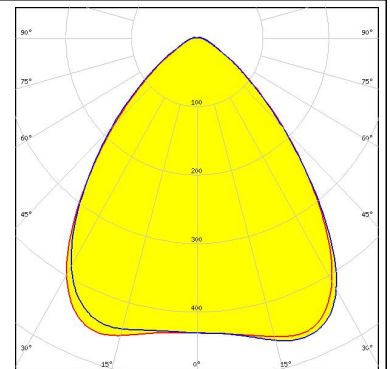
##### LUMILEDS

LED LUXEON Z ES  
FWHM 85.0°  
Efficiency 93 %  
Peak intensity 0.470 cd/lm  
Required components:



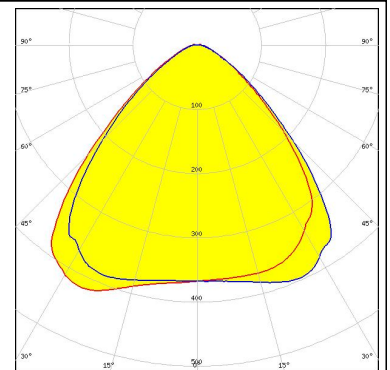
##### NICHIA

LED NVSxE21A  
FWHM 84.0°  
Efficiency 94 %  
Peak intensity 0.480 cd/lm  
Required components:



##### NICHIA

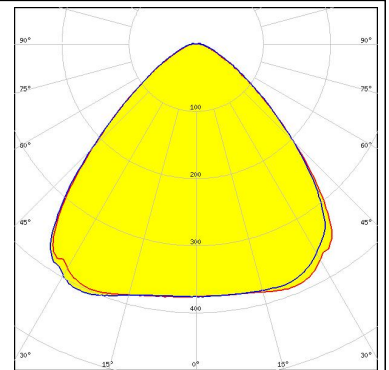
LED NVSxx19B/NVSxx19C  
FWHM 90.0°  
Efficiency 94 %  
Peak intensity 0.420 cd/lm  
Required components:



**PHOTOMETRIC DATA (MEASURED):**

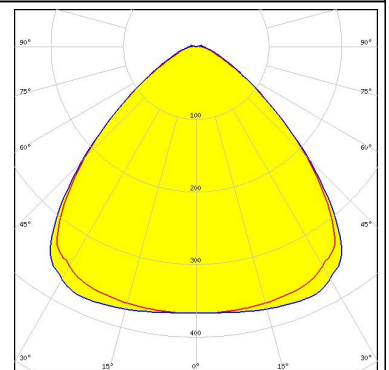
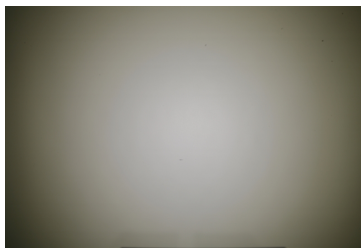
**OSRAM**  
Opto Semiconductors

LED Oslon Square Gen3  
FWHM 97.0°  
Efficiency 94 %  
Peak intensity 0.400 cd/lm  
Required components:



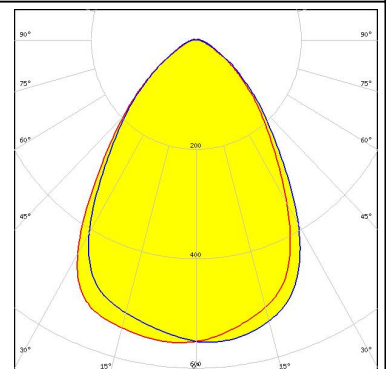
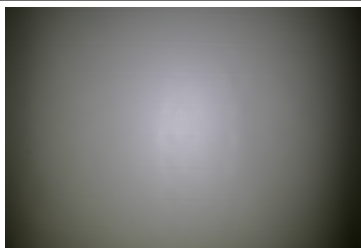
**OSRAM**  
Opto Semiconductors

LED Oslon Square PC  
FWHM 95.0°  
Efficiency 92 %  
Peak intensity 0.380 cd/lm  
Required components:



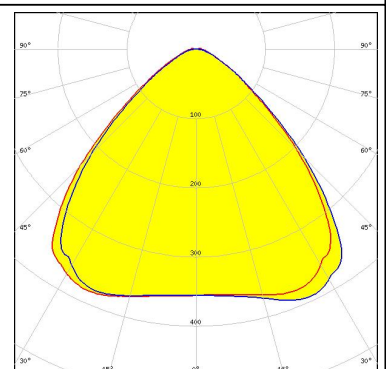
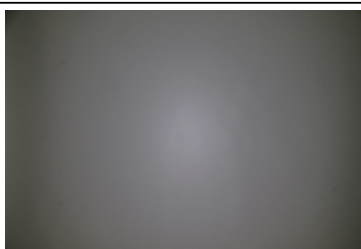
**OSRAM**  
Opto Semiconductors

LED Oslon SSL 80  
FWHM 76.0°  
Efficiency 94 %  
Peak intensity 0.560 cd/lm  
Required components:


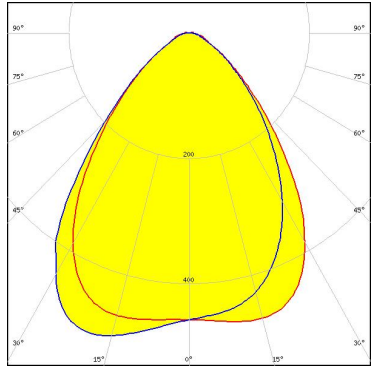

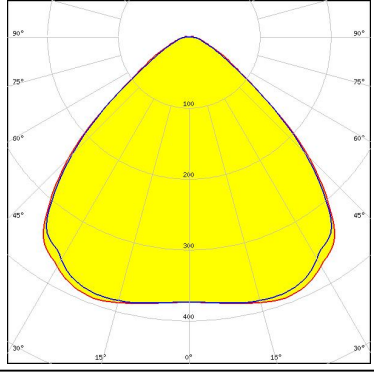
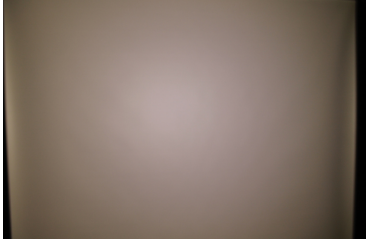
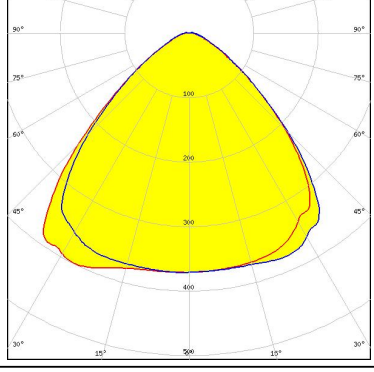

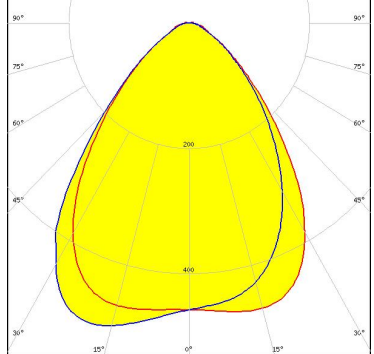


**PHILIPS**

LED Fortimo FastFlex LED board 2x6 DP G4  
FWHM 95.0°  
Efficiency 93 %  
Peak intensity 0.400 cd/lm  
Required components:



**PHOTOMETRIC DATA (MEASURED):**

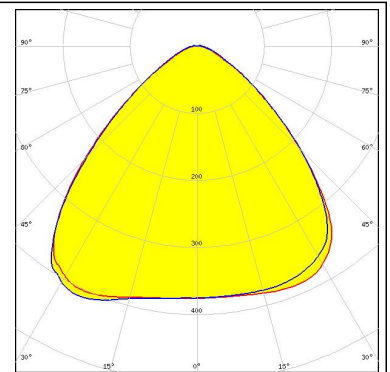
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED SMJQ-D36W12Mx FWHM 79.0° Efficiency 94 % Peak intensity 0.510 cd/lm Required components:</p>		
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED SMJQ-D36W12Px FWHM 96.0° Efficiency 94 % Peak intensity 0.400 cd/lm Required components:</p>		
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2 FWHM 97.0° Efficiency 92 % Peak intensity 0.400 cd/lm Required components:</p>		
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM 79.0° Efficiency 94 % Peak intensity 0.510 cd/lm Required components:</p>		

### PHOTOMETRIC DATA (MEASURED):

#### TOSHIBA

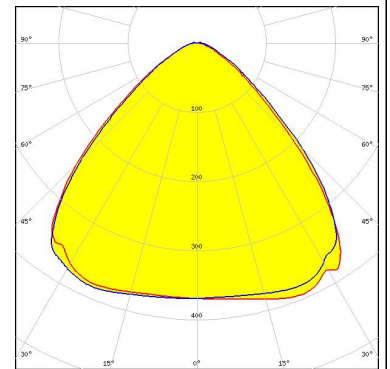
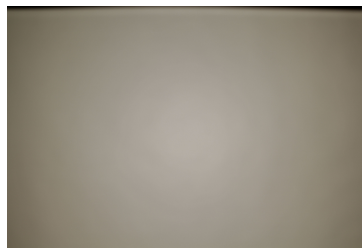
Leading Innovation >>>

LED TL1L4  
FWHM 95.0°  
Efficiency 94 %  
Peak intensity 0.410 cd/lm  
Required components:



#### TRIDONIC

LED RLE G2 HP 2x6 3000lm  
FWHM 94.0°  
Efficiency 94 %  
Peak intensity 0.390 cd/lm  
Required components:

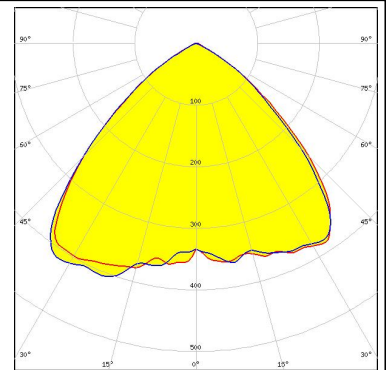




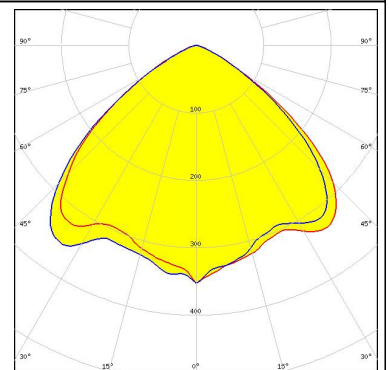
### PHOTOMETRIC DATA (SIMULATED):



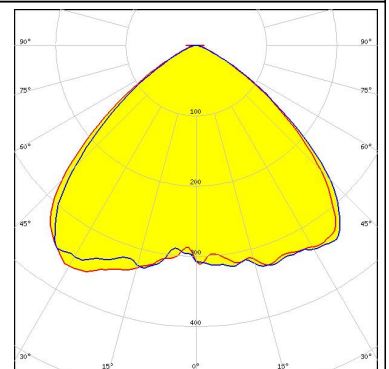
LED J Series 5050  
FWHM 98.0°  
Efficiency 94 %  
Peak intensity 0.420 cd/lm  
Required components:



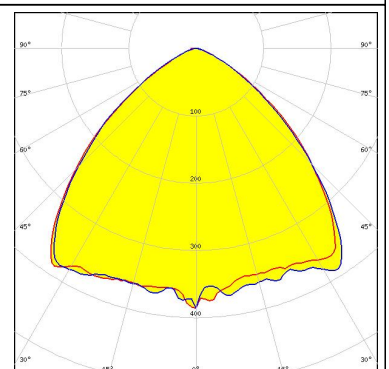
LED MHB-A/B  
FWHM 106.0°  
Efficiency 87 %  
Peak intensity 0.360 cd/lm  
Required components:



LED XHP35 HD  
FWHM 101.0°  
Efficiency 91 %  
Peak intensity 0.360 cd/lm  
Required components:



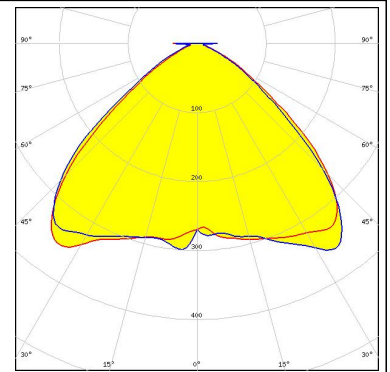
LED XP-E  
FWHM 99.0°  
Efficiency 94 %  
Peak intensity 0.400 cd/lm  
Required components:



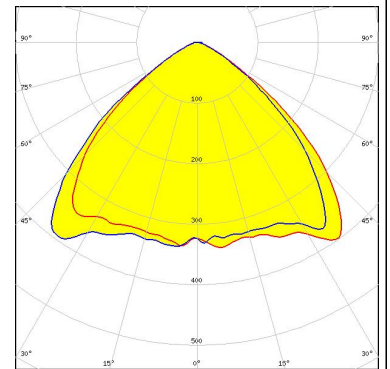
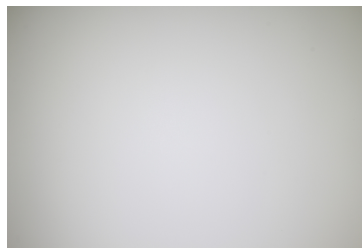
### PHOTOMETRIC DATA (SIMULATED):



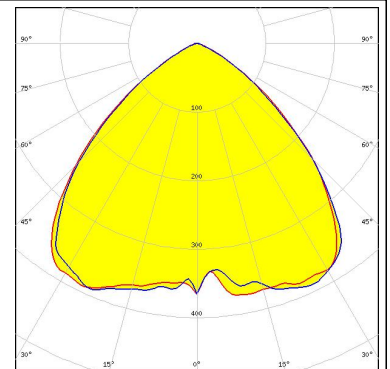
LED XP-G3  
FWHM 95.0°  
Efficiency 91 %  
Peak intensity 0.360 cd/lm  
Required components:



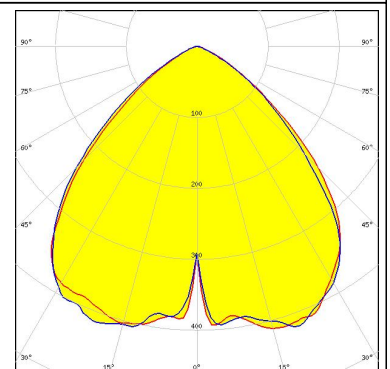
LED H35C1 (LEMWA33)  
FWHM 101.0°  
Efficiency 94 %  
Peak intensity 0.400 cd/lm  
Required components:



LED LUXEON 5050  
FWHM 92.0°  
Efficiency 93 %  
Peak intensity 0.390 cd/lm  
Required components:



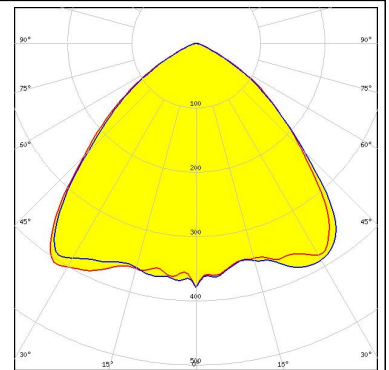
LED Duris S8  
FWHM 93.0°  
Efficiency 94 %  
Peak intensity 0.440 cd/lm  
Required components:



**PHOTOMETRIC DATA (SIMULATED):**

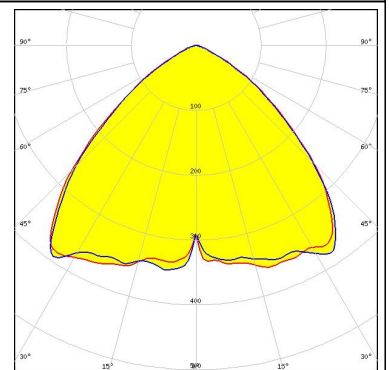
**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 3737 (2W version)  
FWHM 95.0°  
Efficiency 94 %  
Peak intensity 0.410 cd/lm  
Required components:



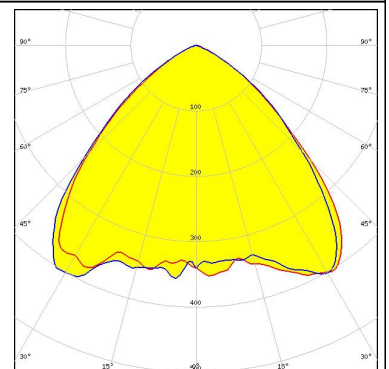
**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)  
FWHM 98.0°  
Efficiency 94 %  
Peak intensity 0.390 cd/lm  
Required components:



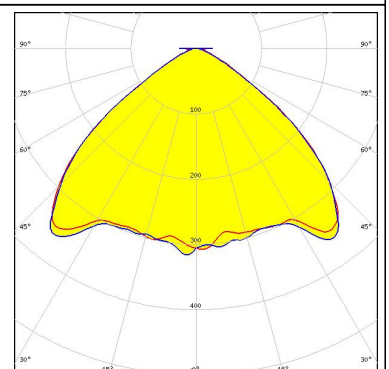
**OSRAM**  
Opto Semiconductors

LED Oslon Square Gen3  
FWHM 95.0°  
Efficiency 93 %  
Peak intensity 0.400 cd/lm  
Required components:



**PHILIPS**

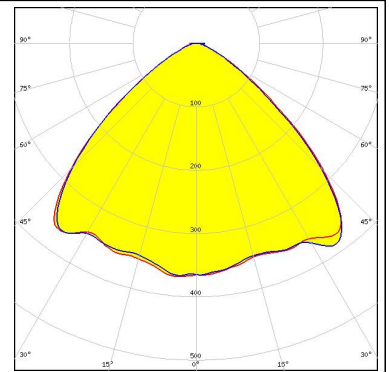
LED Fortimo FastFlex LED board 2x6 DPX G4  
FWHM 105.0°  
Efficiency 94 %  
Peak intensity 0.360 cd/lm  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

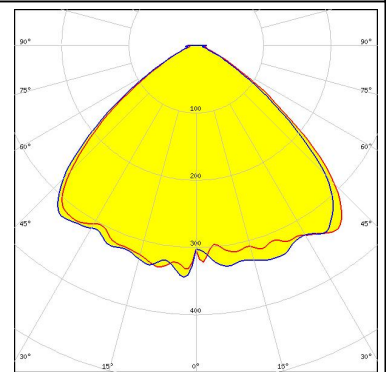
#### SAMSUNG

LED LH351B  
FWHM 100.0°  
Efficiency 94 %  
Peak intensity 0.390 cd/lm  
Required components:



#### SAMSUNG

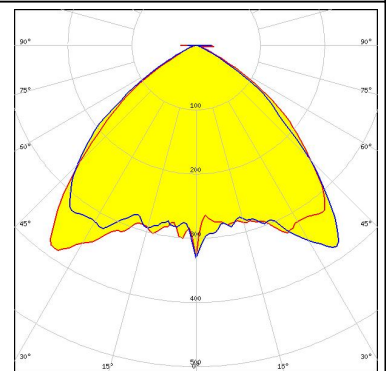
LED LH351D  
FWHM 107.0°  
Efficiency 92 %  
Peak intensity 0.350 cd/lm  
Required components:



#### TOSHIBA

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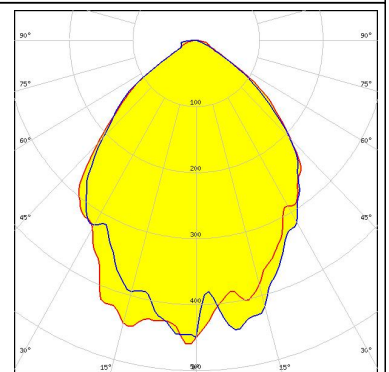
LED TL1L2  
FWHM 100.0°  
Efficiency 91 %  
Peak intensity 0.390 cd/lm  
Required components:



#### TOSHIBA

Leading Innovation >>>

LED TL1L3  
FWHM Asymmetric  
Efficiency 84 %  
Peak intensity 0.490 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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#### LEDiL Oy

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#### Local sales and technical support

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where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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