

## HB-IP-2X6-WWW-PC

~100° wide beam. Variant made from PC.

### SPECIFICATION:

Dimensions	71.4 x 173.0 mm
Height	11.4 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

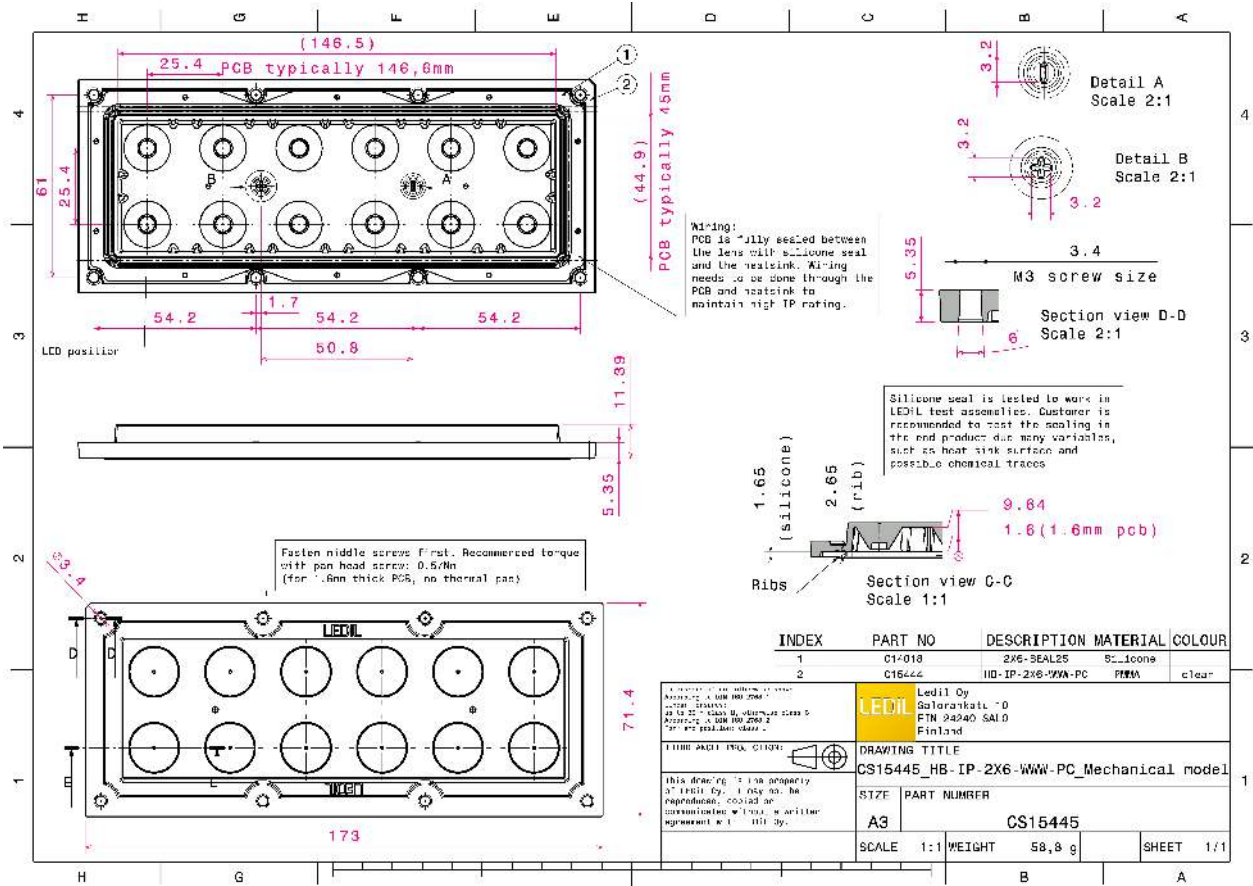
### MATERIALS:

Component	Type	Material	Colour	Finish
HB-IP-2X6-WWW-PC	Multi-lens	PC	clear	
2X6-SEAL25	Seal	Silicone	white	

### ORDERING INFORMATION:



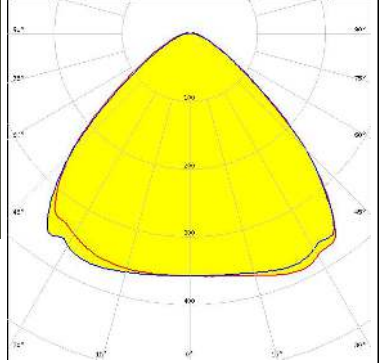


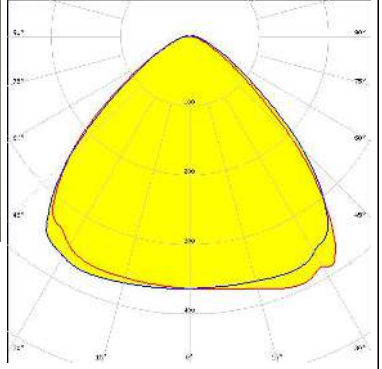


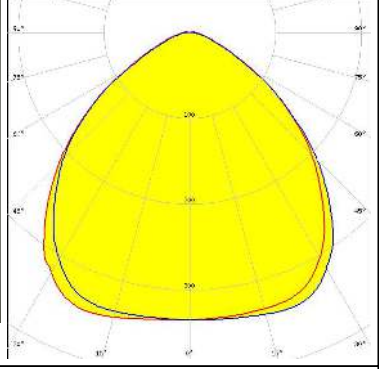


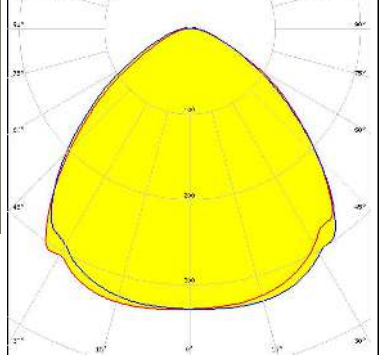
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CS15445_HB-IP-2X6-WWW-PC » Box size: 476 x 273 x 247 mm	Multi-lens	120	40	40	8.5





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

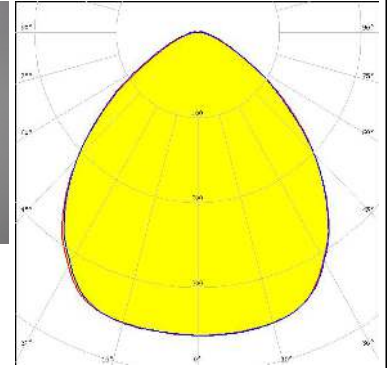
#### OPTICAL RESULTS (MEASURED):

 <p> <b>LED</b> QUICK FLUX 2x6 LED XG xxx G7+  <b>FWHM / FWTM</b> 96.0° / 132.0°  <b>Efficiency</b> 94 %  <b>Peak intensity</b> 0.4 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>		
 <p> <b>LED</b> QUICK FLUX 2x6 LED XT xxx G5  <b>FWHM / FWTM</b> 96.0° / 131.0°  <b>Efficiency</b> 93 %  <b>Peak intensity</b> 0.4 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>		
 <p> <b>LED</b> XP-G2  <b>FWHM / FWTM</b> 101.0° / 142.0°  <b>Efficiency</b> 85 %  <b>Peak intensity</b> 0.4 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>		
 <p> <b>LED</b> XP-L2  <b>FWHM / FWTM</b> 99.0° / 142.0°  <b>Efficiency</b> 84 %  <b>Peak intensity</b> 0.3 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>		

#### OPTICAL RESULTS (MEASURED):

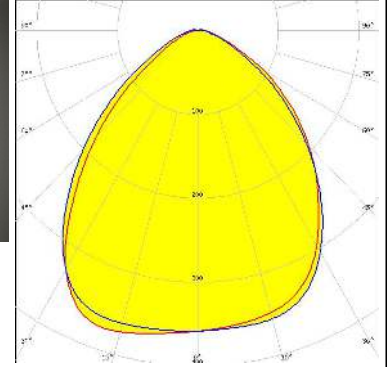
##### CREE LED

LED XT-E  
 FWHM / FWTM 97.0° / 140.0°  
 Efficiency 85 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



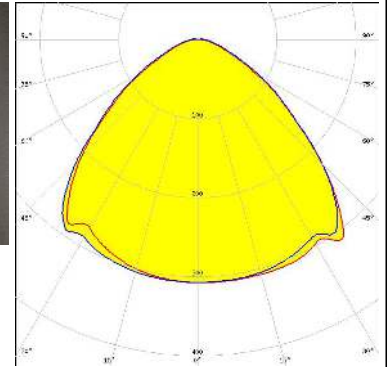
##### CREE LED

LED XT-E HE  
 FWHM / FWTM 92.0° / 136.0°  
 Efficiency 84 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



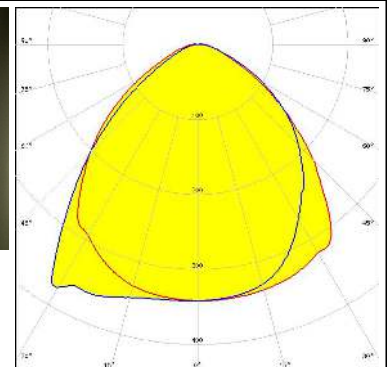
##### NICHIA

LED NVSW519A  
 FWHM / FWTM 102.0° / 145.0°  
 Efficiency 84 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### SAMSUNG

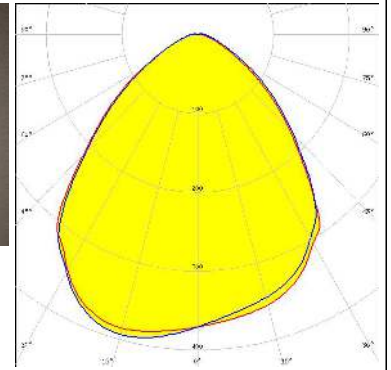
LED HiLOM RH12 (LH351C)  
 FWHM / FWTM 95.0° / 140.0°  
 Efficiency 83 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

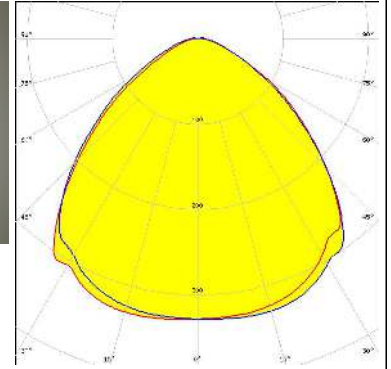
### SAMSUNG

LED HiLOM RM12 ZP (LH502C)  
 FWHM / FWTM 89.0° / 135.0°  
 Efficiency 86 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



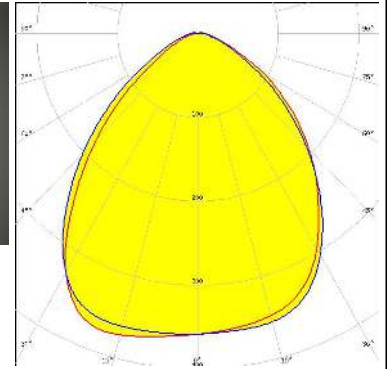
### SCIOLUX

LED ROY-S26XPL2 (XP-L2)  
 FWHM / FWTM 99.0° / 142.0°  
 Efficiency 84 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SCIOLUX

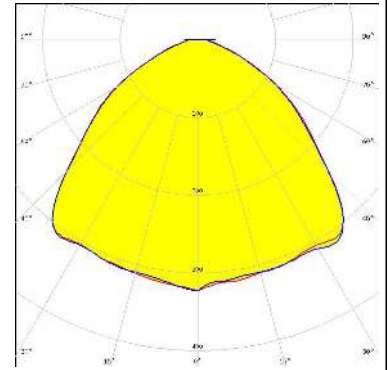
LED XLE-S22C4XTEHE (XT-E HE)  
 FWHM / FWTM 92.0° / 136.0°  
 Efficiency 84 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

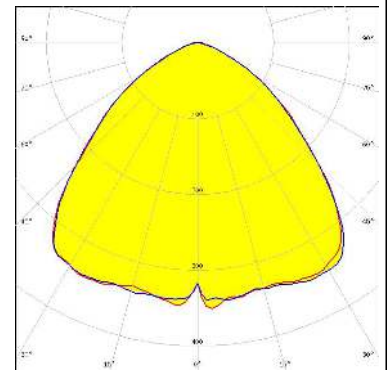
##### CREE LED

LED XP-G2 HE  
 FWHM / FWTM 108.0° / 150.0°  
 Efficiency 91 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



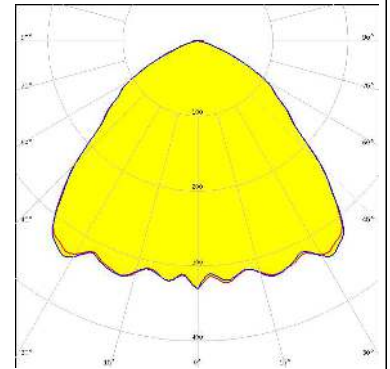
##### LUMILEDS

LED LUXEON 5050 Square LES  
 FWHM / FWTM 100.0° / 138.0°  
 Efficiency 88 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



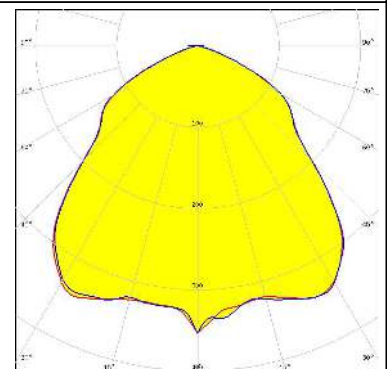
##### NICHIA

LED NV4WB35AM  
 FWHM / FWTM 99.0° / 139.0°  
 Efficiency 88 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

LED PrevaLED Brick HP IP 2x6  
 FWHM / FWTM 94.0° / 140.0°  
 Efficiency 88 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

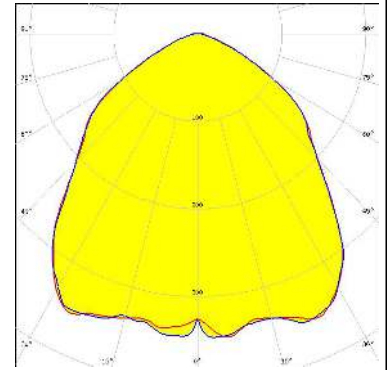


#### OPTICAL RESULTS (SIMULATED):

#### OSRAM

Opto Semiconductors

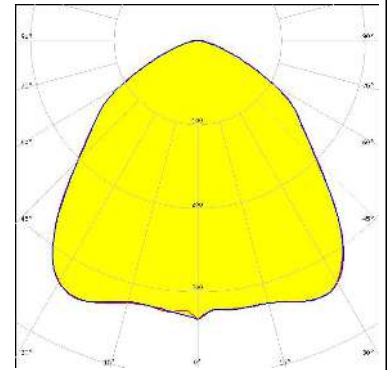
LED OSCONIQ P 3737 (2W version)  
FWHM / FWTM 99.0° / 140.0°  
Efficiency 88 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 98.0° / 143.0°  
Efficiency 88 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



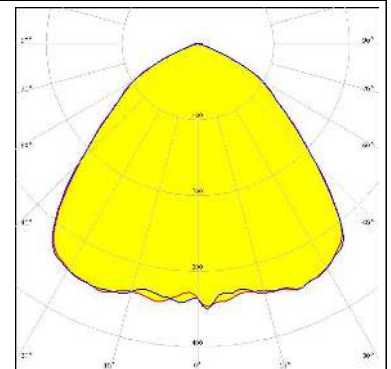
#### OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 94.0° / 140.0°  
Efficiency 88 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### SAMSUNG

LED LH502D  
FWHM / FWTM 98.0° / 136.0°  
Efficiency 88 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## OPTICAL RESULTS (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:

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