

## HB-IP-2X6-G2-W

~60° wide beam

### SPECIFICATION:

|                            |                 |
|----------------------------|-----------------|
| Dimensions                 | 172.0 x 71.0 mm |
| Height                     | 8.2 mm          |
| Fastening                  | pin, screw      |
| Ingress protection classes | IP67            |
| ROHS compliant             | yes ⓘ           |

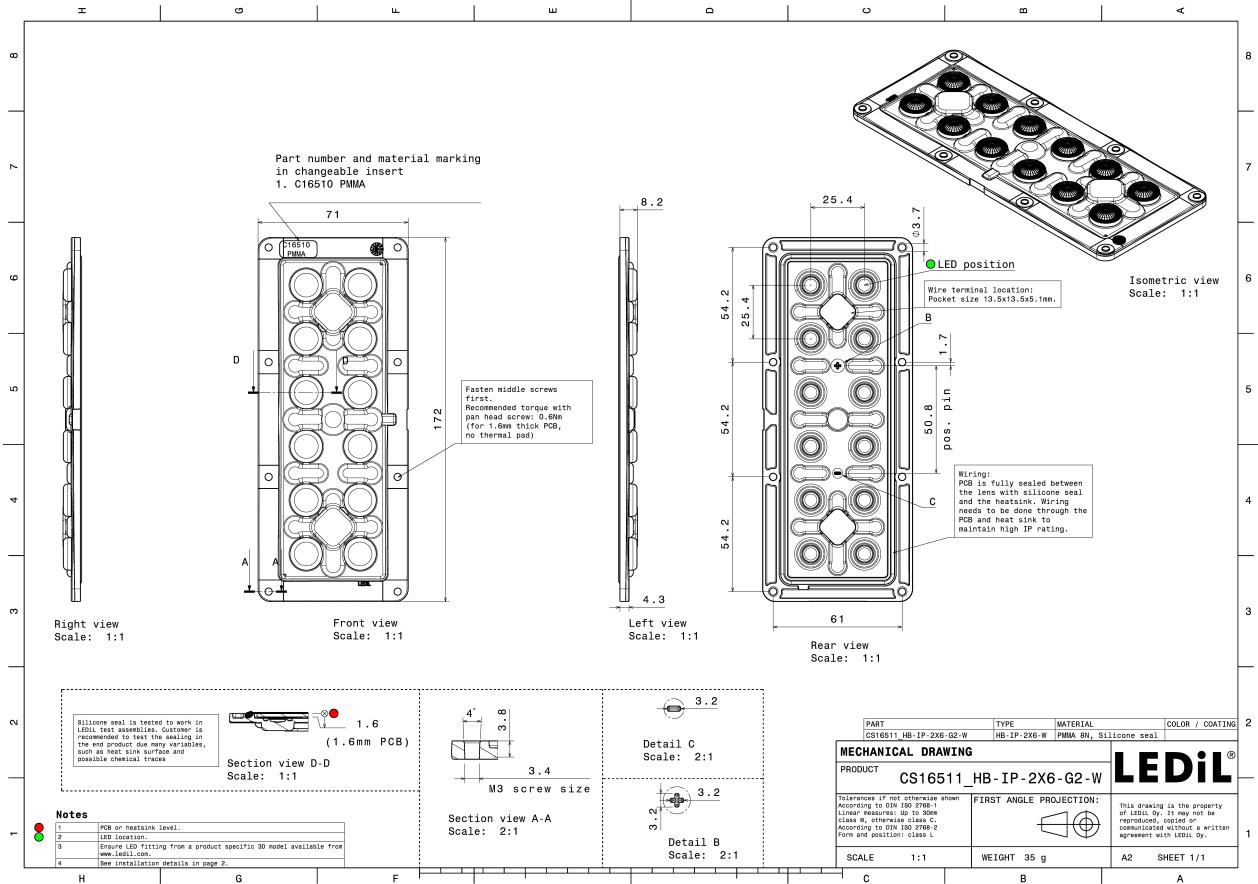
### MATERIALS:

| Component      | Type       | Material | Colour | Finish |
|----------------|------------|----------|--------|--------|
| HB-IP-2X6-G2-W | Multi-lens | PMMA     | clear  |        |
| SEAL-IP-2X6-G2 | Seal       | Silicone | white  |        |




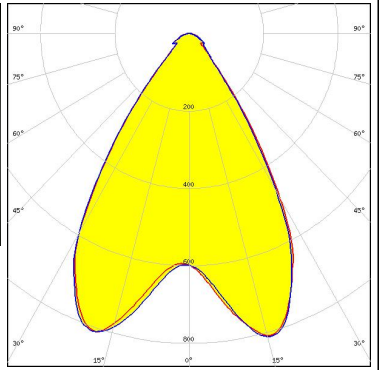

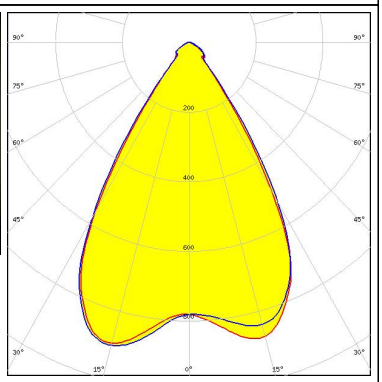

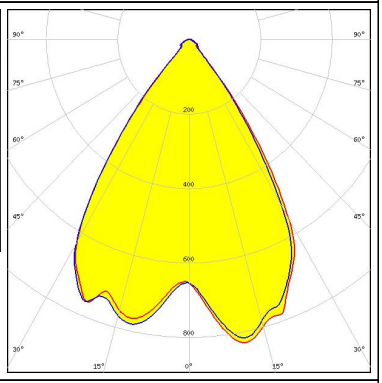

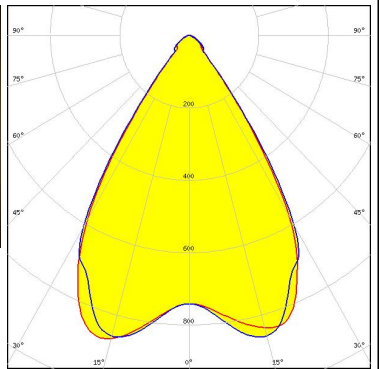
### ORDERING INFORMATION:

| Component                      |            | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|------------|------------|-----|-----|-----------------|
| CS16511_HB-IP-2X6-G2-W         | Multi-lens | 132        | 44  | 44  | 5.8             |
| » Box size: 476 x 273 x 247 mm |            |            |     |     |                 |


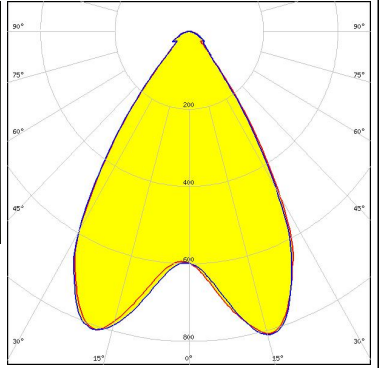
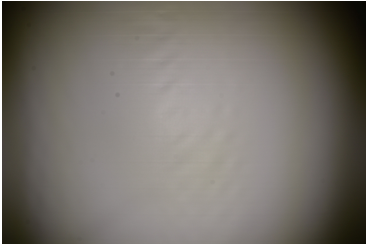
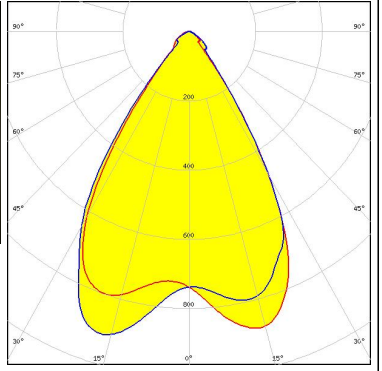

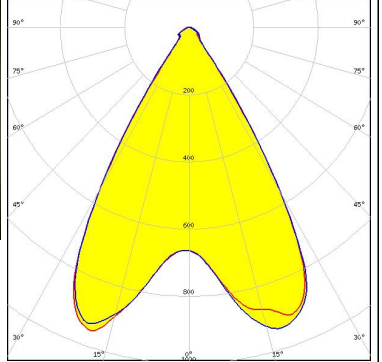


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)


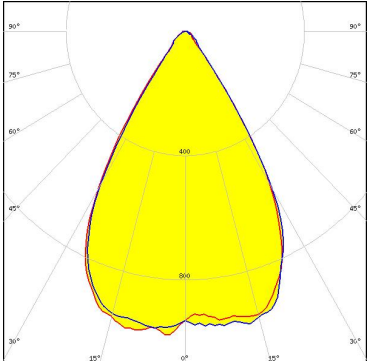

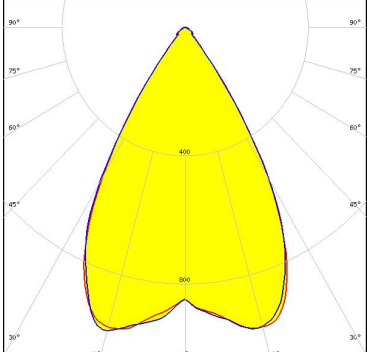

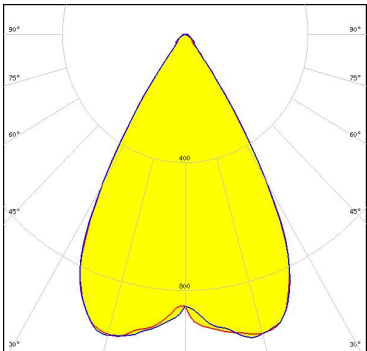

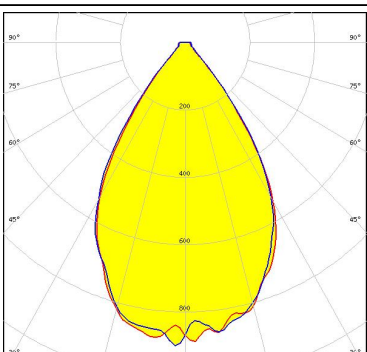
#### OPTICAL RESULTS (MEASURED):

|                                                                                                                                                                                                                                                                                      |                                                                                      |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p><b>CREE</b> LED</p> <p>LED: XP-L2<br/>           FWHM / FWTM: 66.0° / 89.0°<br/>           Efficiency: 94 %<br/>           Peak intensity: 0.8 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>                 |    |    |
| <p><b>LUMILEDS</b></p> <p>LED: LUXEON 5050 Round LES<br/>           FWHM / FWTM: 64.0° / 81.0°<br/>           Efficiency: 97 %<br/>           Peak intensity: 0.9 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> |   |   |
| <p><b>NICHIA</b></p> <p>LED: NVSW519A<br/>           FWHM / FWTM: 68.0° / 84.0°<br/>           Efficiency: 98 %<br/>           Peak intensity: 0.8 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>                |  |  |
| <p><b>SAMSUNG</b></p> <p>LED: HiLOM RM12 ZP (LH502C)<br/>           FWHM / FWTM: 66.0° / 82.0°<br/>           Efficiency: 97 %<br/>           Peak intensity: 0.9 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> |  |  |

#### OPTICAL RESULTS (MEASURED):

|                                                                                                                                                                                                                                                        |                                                                                      |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p><b>SCIOLUX</b></p> <p>LED ROY-S26XPL2 (XP-L2)</p> <p>FWHM / FWTM 66.0° / 89.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.8 cd/lm</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 / FWTM 68.0° / 85.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |   |   |
| <p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z5M3</p> <p>FWHM / FWTM 63.0° / 76.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>                                 |  |  |

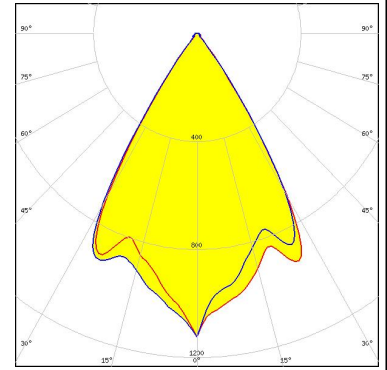
#### OPTICAL RESULTS (SIMULATED):

|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p> <b>bridgelux</b></p> <p>LED: Bridgelux SMD 5050<br/>           FWHM / FWTM: 62.0° / 81.0°<br/>           Efficiency: 94 %<br/>           Peak intensity: 1 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>         |    |
| <p> <b>CREE LED</b></p> <p>LED: J Series 5050 Round LES<br/>           FWHM / FWTM: 62.0° / 79.0°<br/>           Efficiency: 95 %<br/>           Peak intensity: 1 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>     |   |
| <p> <b>CREE LED</b></p> <p>LED: J Series 5050B 6V K Class<br/>           FWHM / FWTM: 62.0° / 78.0°<br/>           Efficiency: 95 %<br/>           Peak intensity: 1 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> |  |
| <p> <b>CREE LED</b></p> <p>LED: MHB-A/B<br/>           FWHM / FWTM: 65.6° / 90.3°<br/>           Efficiency: 94 %<br/>           Peak intensity: 0.9 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>                 |  |

#### OPTICAL RESULTS (SIMULATED):

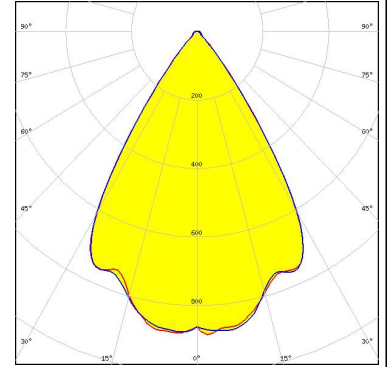
##### CREE LED

LED XP-G2  
 FWHM / FWTM 63.0° / 77.0°  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



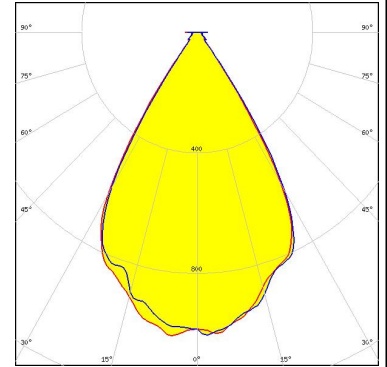
##### CREE LED

LED XP-G2 HE  
 FWHM / FWTM 66.0° / 84.0°  
 Efficiency 94 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



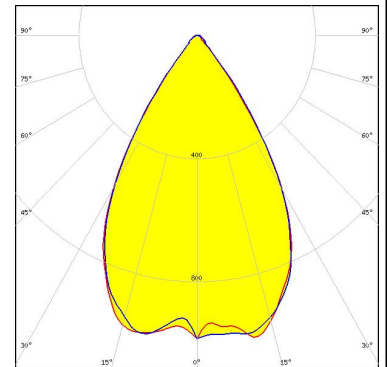
##### CREE LED

LED XP-G3  
 FWHM / FWTM 62.4° / 78.1°  
 Efficiency 92 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### NICHIA

LED NFMW48xA  
 FWHM / FWTM 62.4° / 82.8°  
 Efficiency 94 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

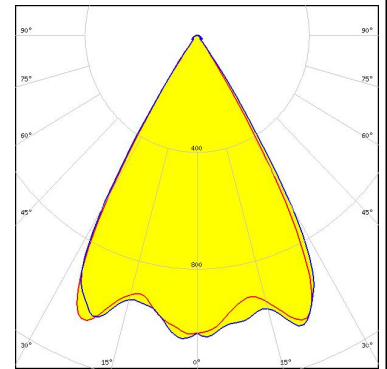
|                                                                                                                                                                                                                                                                                                                    |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p><b>NICHIA</b></p> <p>LED: NV4WB35AM<br/>           FWHM / FWTM: 68.0° / 86.0°<br/>           Efficiency: 95 %<br/>           Peak intensity: 1 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>                                               |  |
| <p><b>OSRAM</b></p> <p>LED: PrevaLED Brick HP IP 2x6<br/>           FWHM / FWTM: 62.0° / 75.0°<br/>           Efficiency: 94 %<br/>           Peak intensity: 1 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>                                 |  |
| <p><b>OSRAM</b><br/> <small>Opto Semiconductors</small></p> <p>LED: Duris S8<br/>           FWHM / FWTM: 58.3° / 77.5°<br/>           Efficiency: 94 %<br/>           Peak intensity: 1.1 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>       |  |
| <p><b>OSRAM</b><br/> <small>Opto Semiconductors</small></p> <p>LED: OSCONIQ P 3030<br/>           FWHM / FWTM: 58.0° / 66.0°<br/>           Efficiency: 95 %<br/>           Peak intensity: 1.3 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> |  |

#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

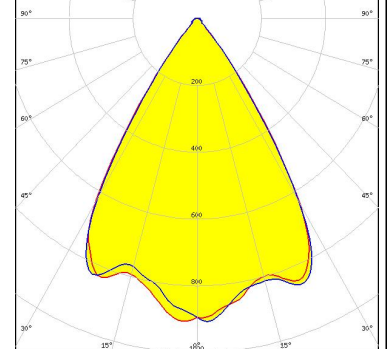
Opto Semiconductors

LED OSCONIQ P 3737 (2W version)  
 FWHM / FWTM 62.0° / 78.0°  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



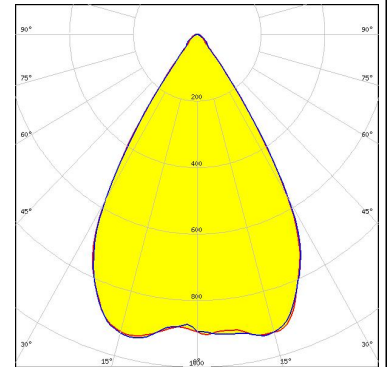
##### SAMSUNG

LED LH351B  
 FWHM / FWTM 65.0° / 82.0°  
 Efficiency 94 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



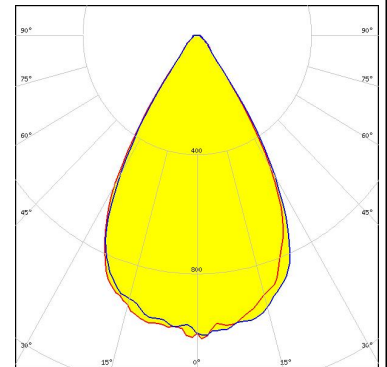
##### SAMSUNG

LED LH502C  
 FWHM / FWTM 64.0° / 80.0°  
 Efficiency 95 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### SAMSUNG

LED LH508A  
 FWHM / FWTM 60.9° / 80.0°  
 Efficiency 93 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





#### OPTICAL RESULTS (SIMULATED):

|                                                                                                                                                                                                                                                                                                       |                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <p> SEUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2</p> <p>FWHM / FWTM 63.0° / 76.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |   |
| <p> SEUL SEMICONDUCTOR</p> <p>LED Z8Y22T</p> <p>FWHM / FWTM 56.0° / 68.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>  |  |

### 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.

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