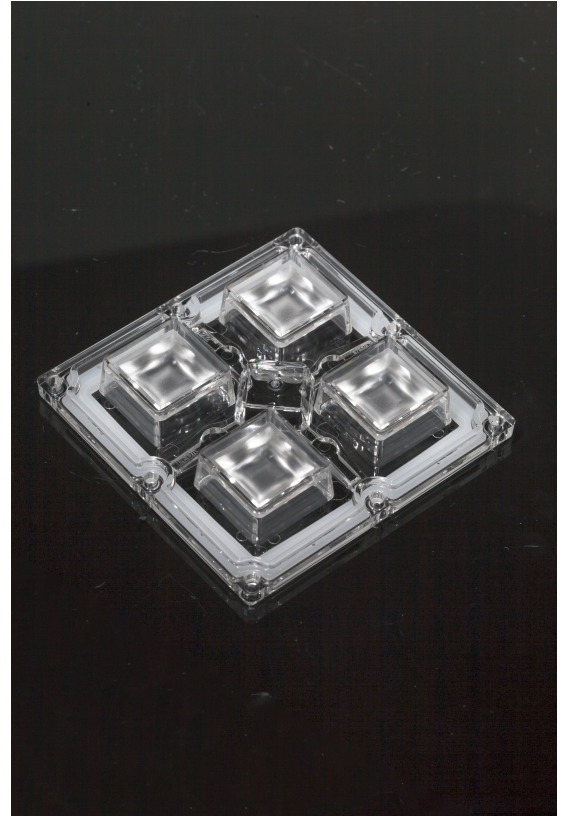


#### HB-2X2MX-8-WWW

~65° wide beam. New revision.

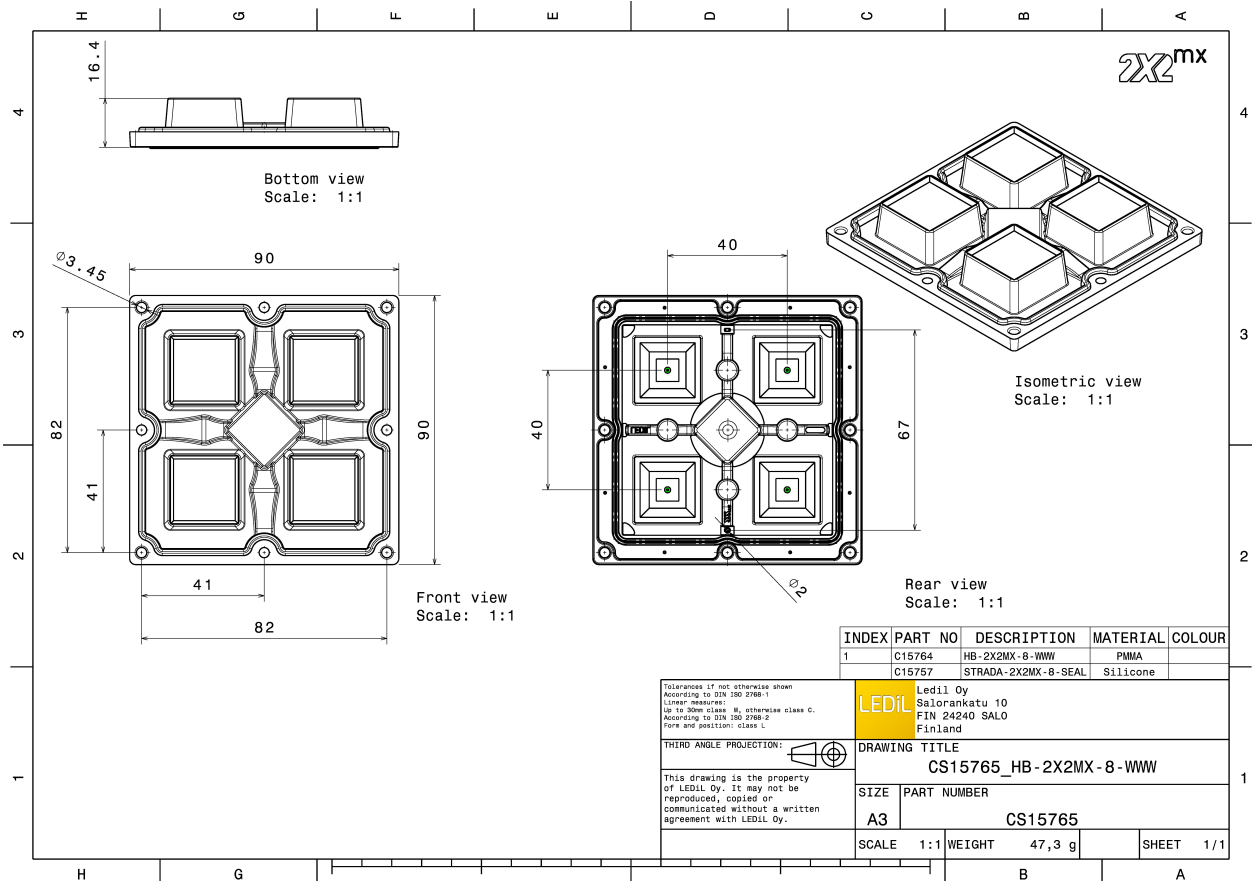
#### TECHNICAL SPECIFICATIONS:

|                 |                    |
|-----------------|--------------------|
| Dimensions      | 90x90 mm           |
| Height          | 16.4 mm            |
| Fastening       | screw              |
| Colour          | clear              |
| Box size        | 480 x 280 x 300 mm |
| Box weight      | 8.4 kg             |
| Quantity in Box | 156 pcs            |
| ROHS compliant  | yes ⓘ              |



#### MATERIAL SPECIFICATIONS:

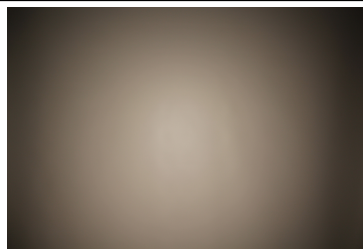
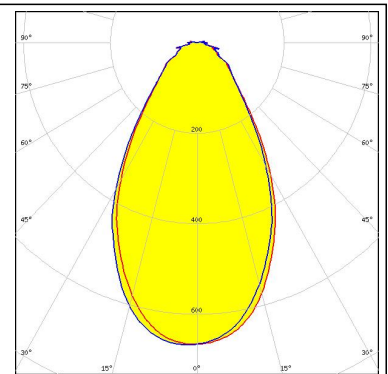
| Component           | Type       | Material | Colour |
|---------------------|------------|----------|--------|
| HB-2X2MX-8-WWW      | Lens array | PMMA     | clear  |
| STRADA-2X2MX-8-SEAL | Seal       | Silicone | clear  |



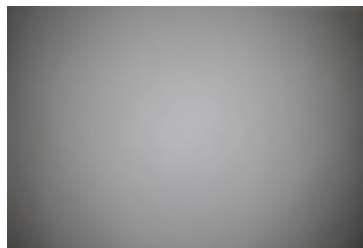
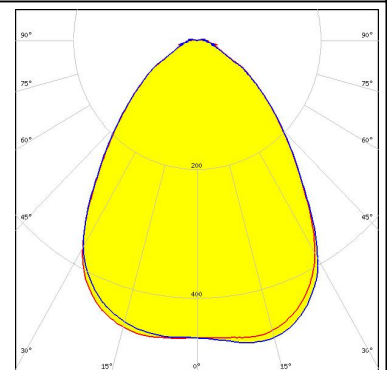
### PHOTOMETRIC DATA (MEASURED):



LED CXA/B 15xx  
FWHM 62.0°  
Efficiency 92 %  
Peak intensity 0.670 cd/lm  
Required components:  
Bender Wirth: 441 Typ 2x2MX HV



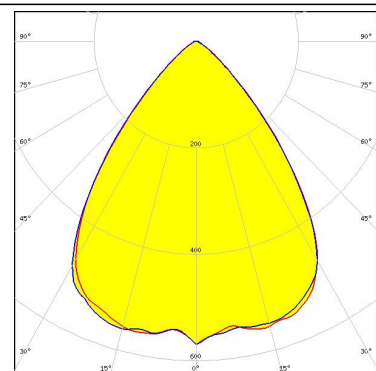
LED NV9W149AM  
FWHM 81.0°  
Efficiency 94 %  
Peak intensity 0.480 cd/lm  
Required components:



### PHOTOMETRIC DATA (SIMULATED):

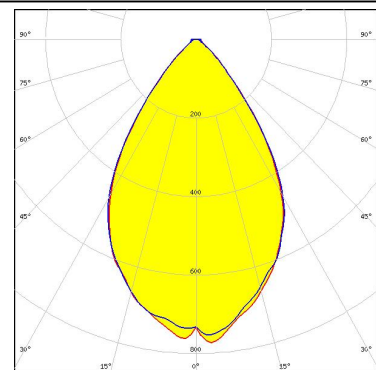


LED SMD 5050  
FWHM 78.0°  
Efficiency 94 %  
Peak intensity 0.580 cd/lm  
Required components:



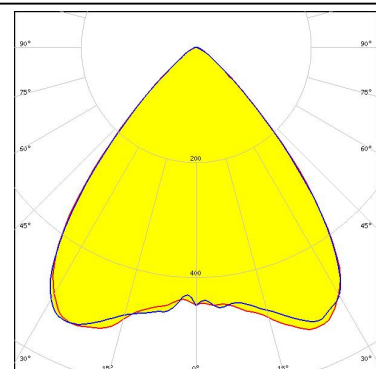
### CITIZEN

LED CLU700/701  
FWHM 66.0°  
Efficiency 92 %  
Peak intensity 0.770 cd/lm  
Required components:  
Bender Wirth: 434 Typ 2x2MX HV



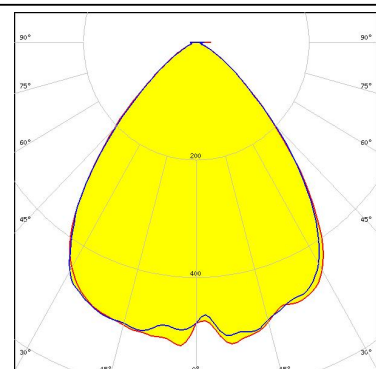
### CITIZEN

LED PSL440  
FWHM 81.0°  
Efficiency 94 %  
Peak intensity 0.530 cd/lm  
Required components:



### CITIZEN

LED PSL445  
FWHM 83.0°  
Efficiency 94 %  
Peak intensity 0.520 cd/lm  
Required components:



## PHOTOMETRIC DATA (SIMULATED):



|                      |             |
|----------------------|-------------|
| LED                  | LUXEON M/MX |
| FWHM                 | 84.0°       |
| Efficiency           | 93 %        |
| Peak intensity       | 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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

#### 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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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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