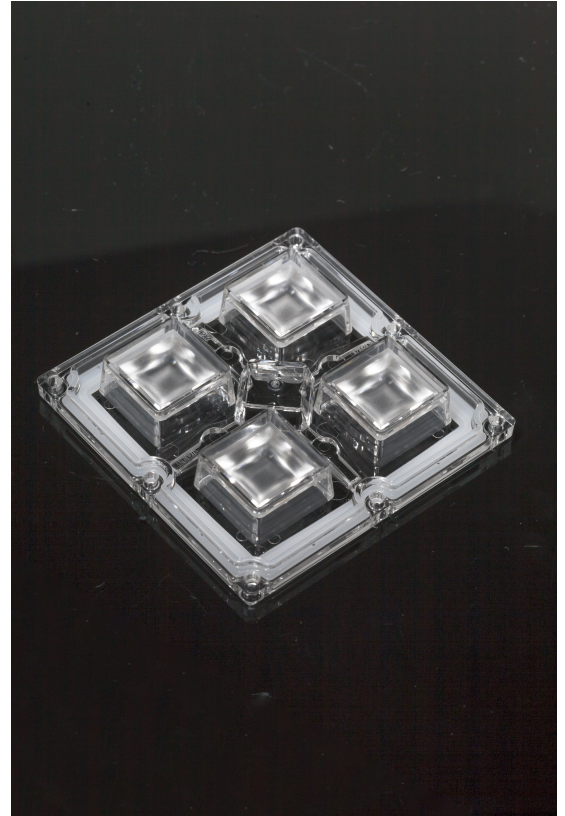


#### HB-2X2MX-8-WWW

~65° wide beam. New revision.

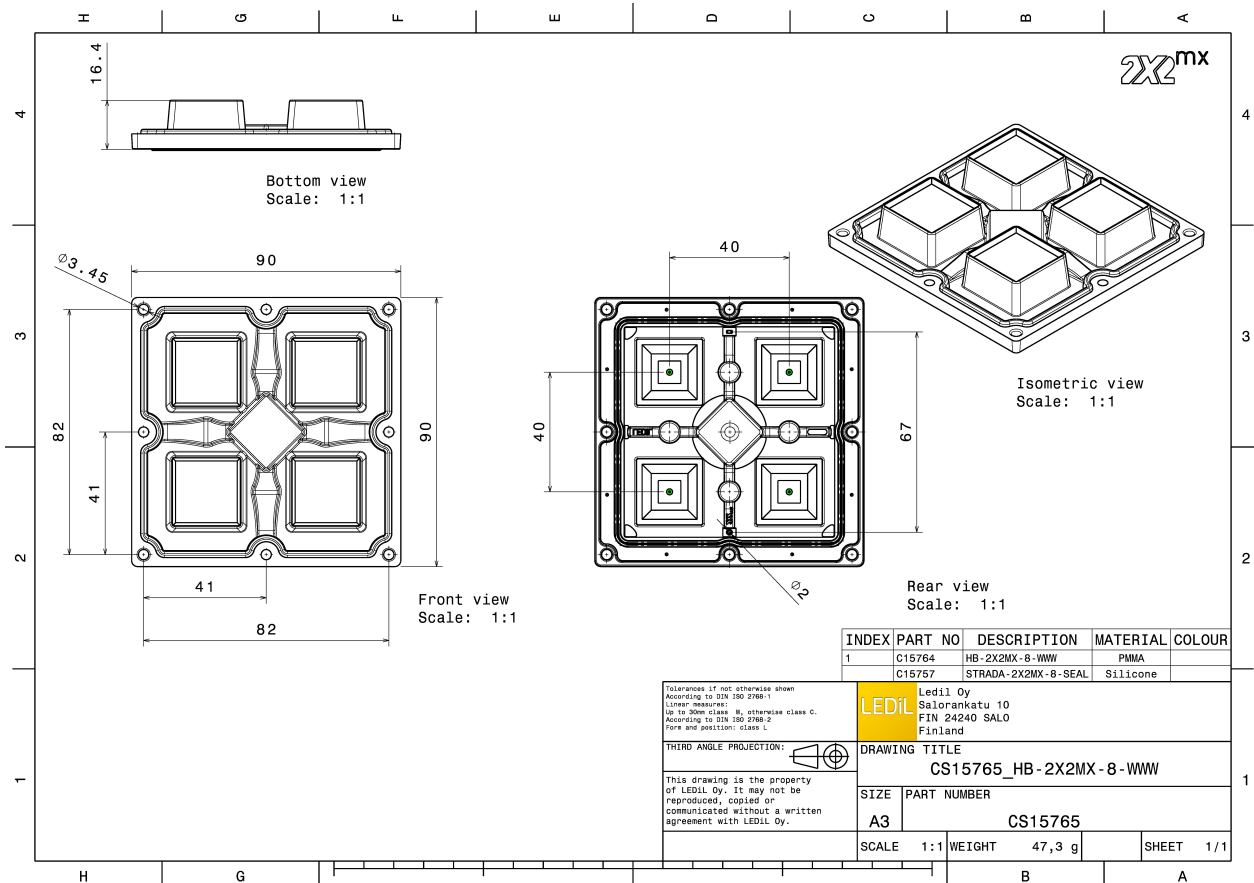
#### TECHNICAL SPECIFICATIONS:

Dimensions	90.0 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:

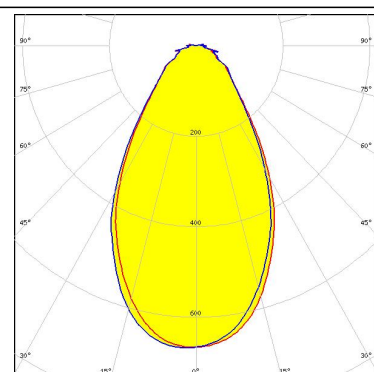
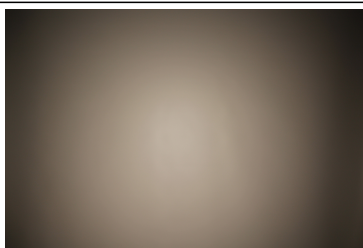
Component	Type	Material	Colour
HB-2X2MX-8-WWW	Multi-lens	PMMA	clear
STRADA-2X2MX-8-SEAL	Seal	Silicone	clear



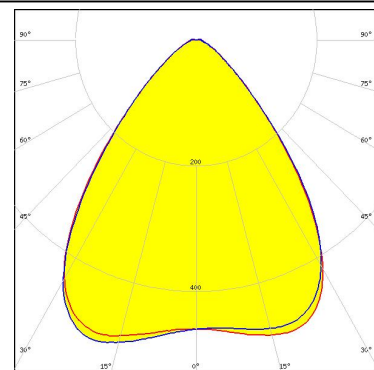
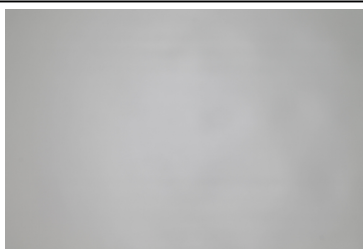
#### PHOTOMETRIC DATA (MEASURED):



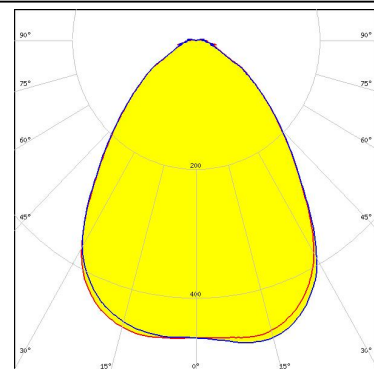
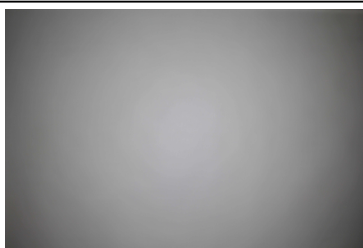
LED CXA/B 15xx  
FWHM 62.0°  
Efficiency 92 %  
Peak intensity 0.670 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 441 Typ 2x2MX HV



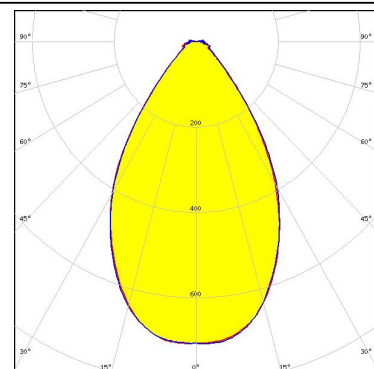
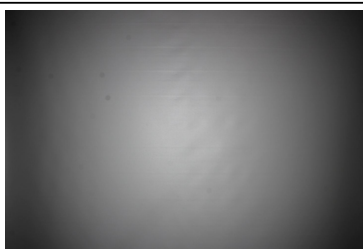
LED LUXEON M/MX  
FWHM 82.0°  
Efficiency 94 %  
Peak intensity 0.510 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NV9W149AM  
FWHM 81.0°  
Efficiency 94 %  
Peak intensity 0.480 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED HiLOM SC16 (LH181B)  
FWHM 65.0°  
Efficiency 94 %  
Peak intensity 0.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



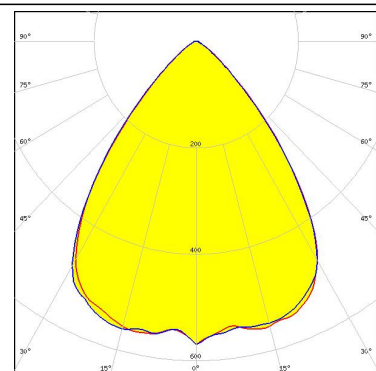
#### PHOTOMETRIC DATA (MEASURED):



### PHOTOMETRIC DATA (SIMULATED):

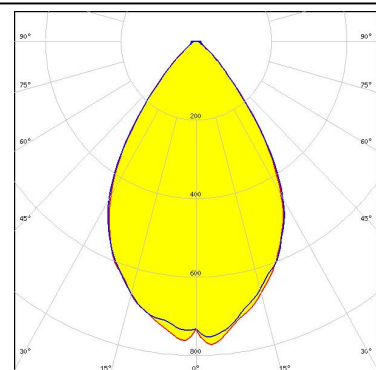


LED Bridgelux SMD 5050  
 FWHM 78.0°  
 Efficiency 94 %  
 Peak intensity 0.580 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

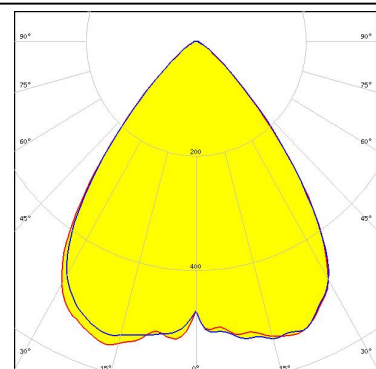


### CITIZEN

LED CLU700/701  
 FWHM 66.0°  
 Efficiency 92 %  
 Peak intensity 0.770 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 434 Typ 2x2MX HV

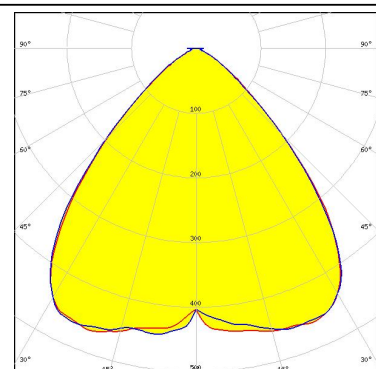


LED NFMW48xA  
 FWHM 79.0°  
 Efficiency 94 %  
 Peak intensity 0.560 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHILIPS

LED Fortimo FastFlex LED 2x2 70x70 DC G4  
 FWHM 86.0°  
 Efficiency 94 %  
 Peak intensity 0.470 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 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.

#### 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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Local sales and technical support

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

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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