



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## HB-2X2MXS-WWW

~85° wide beam

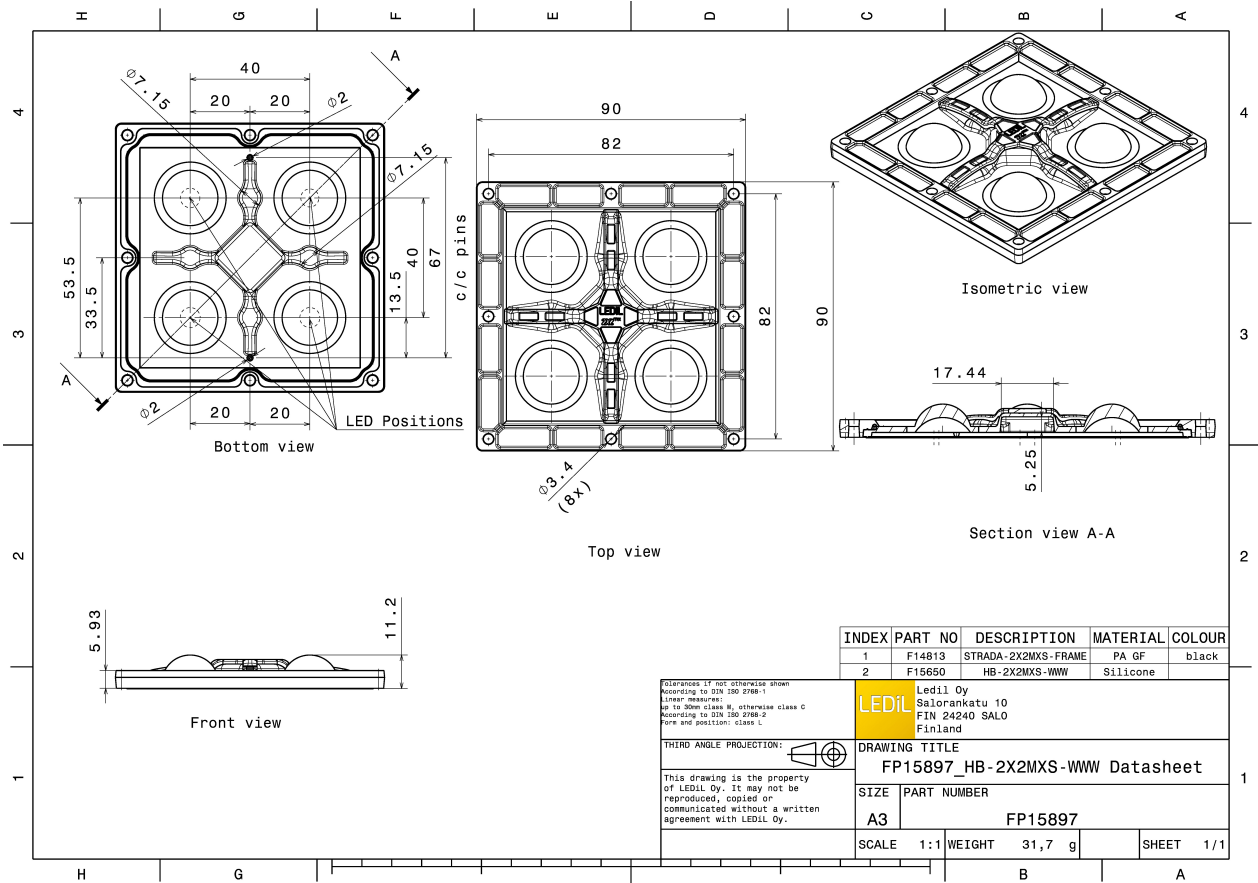
### TECHNICAL SPECIFICATIONS:

Dimensions	90x90 mm
Height	11.5 mm
Fastening	screw
Colour	black
Box size	398 x 298 x 265 mm
Box weight	12.5 kg
Quantity in Box	240 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
STRADA-2X2MXS-FRAME	Holder	PA66	black
HB-2X2MXS-WWW	Lens array	Silicone	clear

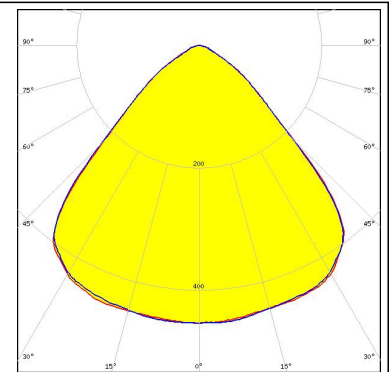
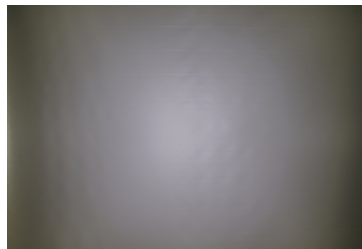




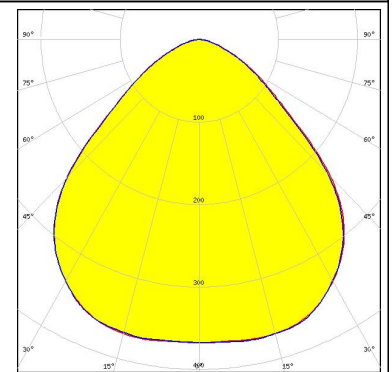
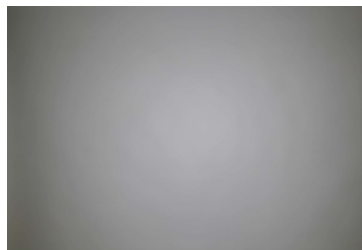
#### PHOTOMETRIC DATA (MEASURED):



LED LUXEON M/MX  
FWHM 90.0°  
Efficiency 94 %  
Peak intensity 0.480 cd/lm  
Required components:



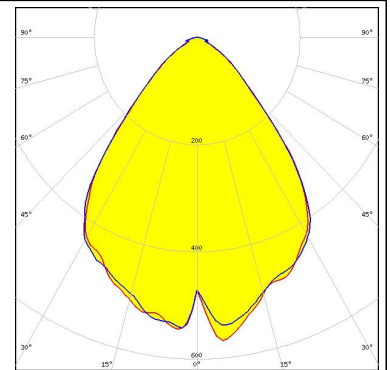
LED NV9W149AM  
FWHM 100.0°  
Efficiency 91 %  
Peak intensity 0.370 cd/lm  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

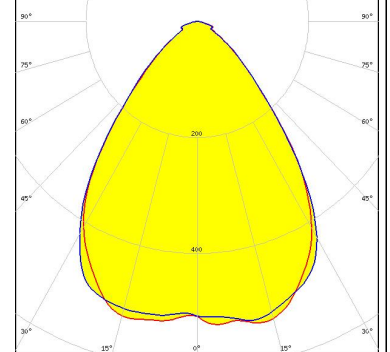
bridgelux

LED SMD 5050  
FWHM 79.0°  
Efficiency 94 %  
Peak intensity 0.570 cd/lm  
Required components:



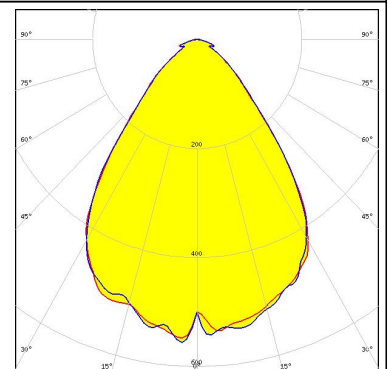
#### CITIZEN

LED CLU700/701  
FWHM 77.0°  
Efficiency 89 %  
Peak intensity 0.540 cd/lm  
Required components:  
Bender Wirth: 434 Typ 2x2MX HV



#### CREE

LED MHB-A/B  
FWHM 75.0°  
Efficiency 91 %  
Peak intensity 0.600 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.

#### 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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#### Shipping locations

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Hong Kong, China

#### Distribution Partners

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