

## HB-2X2MXS-WWW

~85° wide beam

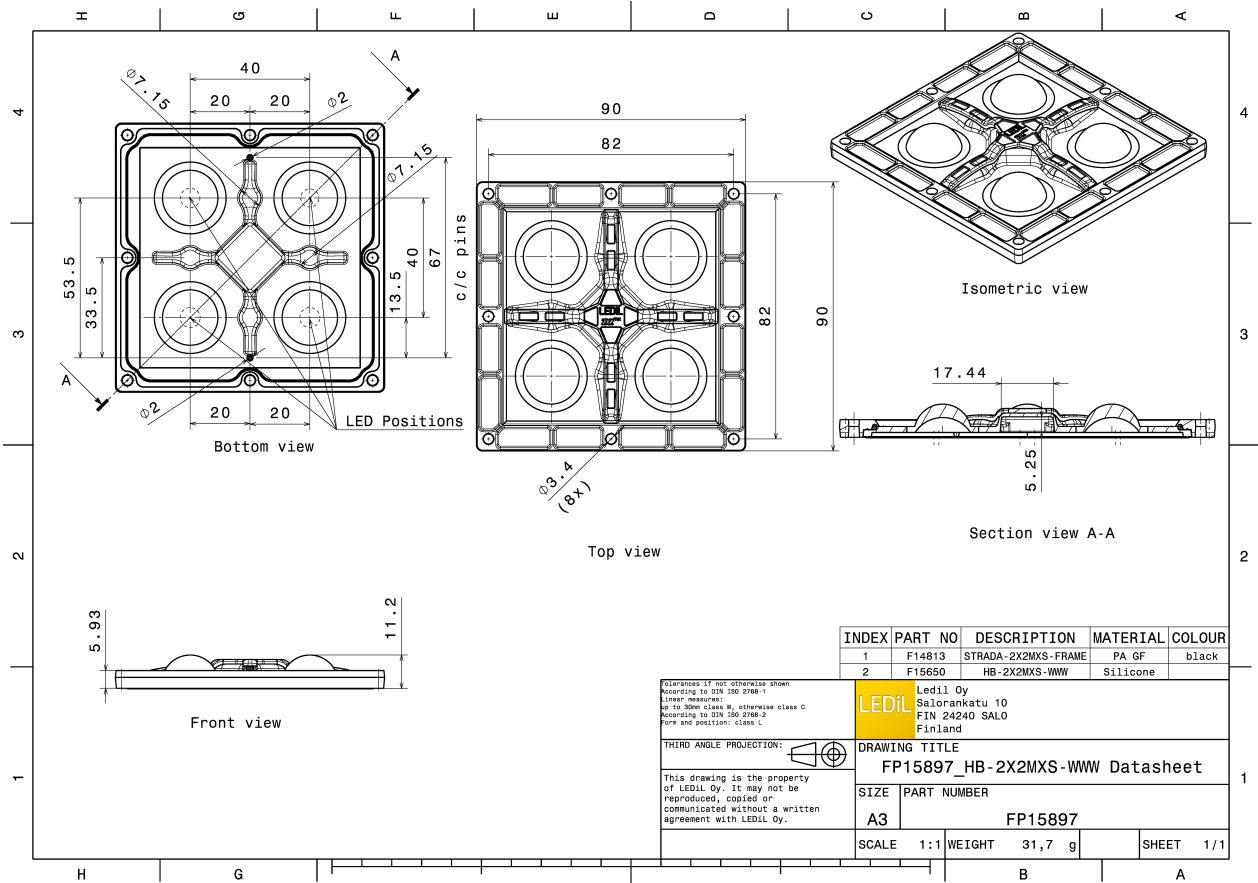
### TECHNICAL SPECIFICATIONS:

Dimensions	90.0 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:

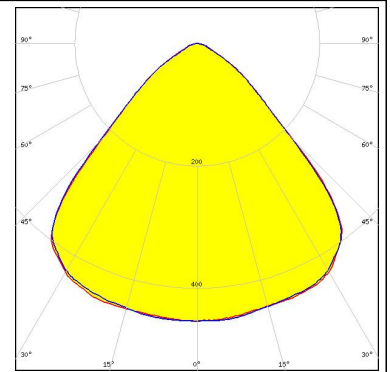
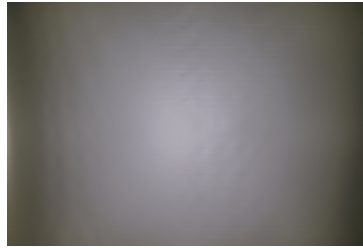
Component	Type	Material	Colour
HB-2X2MXS-WWW	Multi-lens	Silicone	clear
STRADA-2X2MXS-FRAME	Holder	PA66	black



#### PHOTOMETRIC DATA (MEASURED):

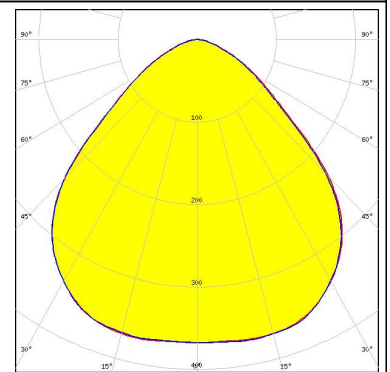
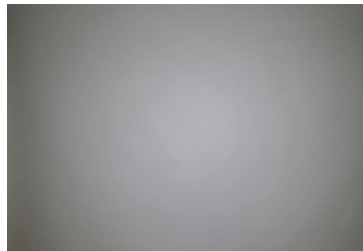
#### LUMILEDS

LED LUXEON M/MX  
FWHM 90.0°  
Efficiency 94 %  
Peak intensity 0.480 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



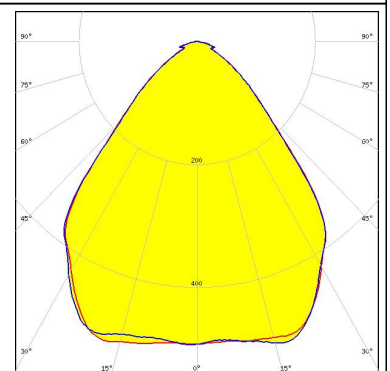
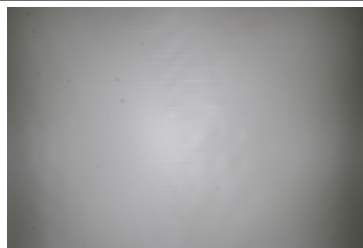
#### NICHIA

LED NV9W149AM  
FWHM 100.0°  
Efficiency 91 %  
Peak intensity 0.370 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:


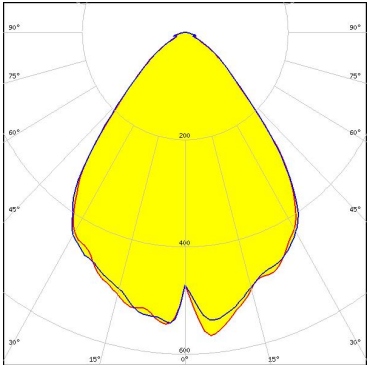
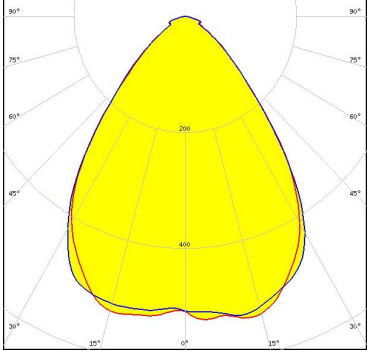

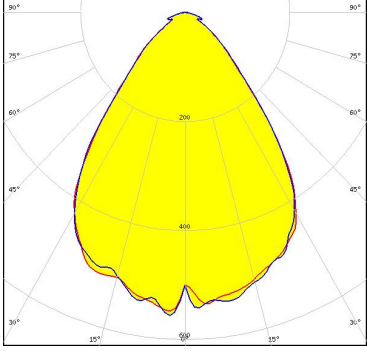

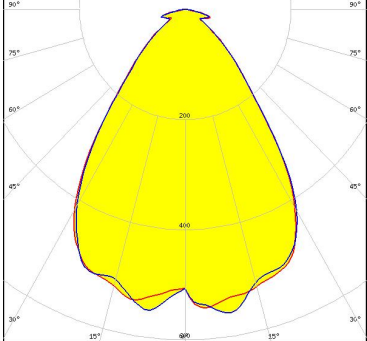


#### SAMSUNG

LED HiLOM SC16 (LH181B)  
FWHM 84.0°  
Efficiency 94 %  
Peak intensity 0.510 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

<p> <b>bridgelux</b></p> <p>LED                      Bridgelux SMD 5050            FWHM                  79.0°            Efficiency              94 %            Peak intensity        0.570 cd/lm            LEDs/each optic    1            Light colour          White            Required components:</p>	
<p><b>CITIZEN</b></p> <p>LED                      CLU700/701            FWHM                  77.0°            Efficiency              89 %            Peak intensity        0.540 cd/lm            LEDs/each optic    1            Light colour          White            Required components:                Bender Wirth: 434 Typ 2x2MX HV</p>	
<p> <b>CREE</b></p> <p>LED                      MHB-A/B            FWHM                  75.0°            Efficiency              91 %            Peak intensity        0.600 cd/lm            LEDs/each optic    1            Light colour          White            Required components:</p>	
<p> <b>NICHIA</b></p> <p>LED                      NFMW48xA            FWHM                  73.0°            Efficiency              91 %            Peak intensity        0.560 cd/lm            LEDs/each optic    1            Light colour          White            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.

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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