

HB-2X2MX-8-M

~30° wide beam. New revision.

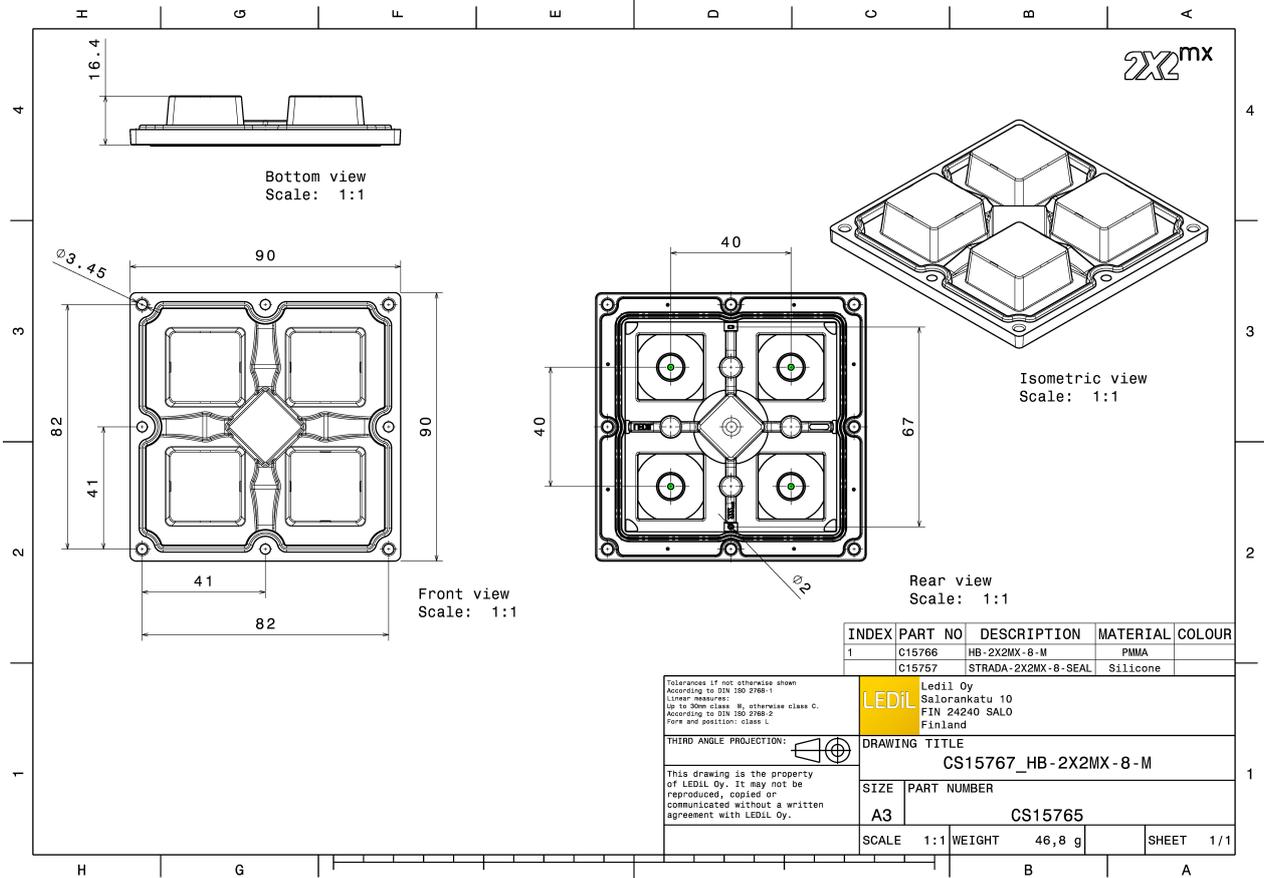
TECHNICAL SPECIFICATIONS:

Dimensions	90.0 mm
Height	16.4 mm
Fastening	screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	8.3 kg
Quantity in Box	156 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

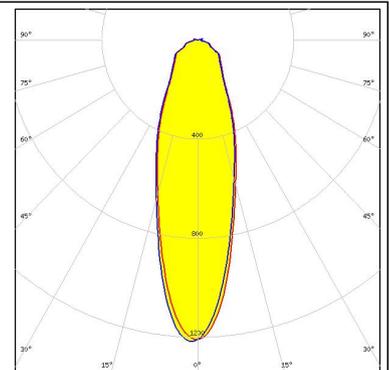
Component	Type	Material	Colour
HB-2X2MX-8-M	Multi-lens	PMMA	clear
STRADA-2X2MX-8-SEAL	Seal	Silicone	clear



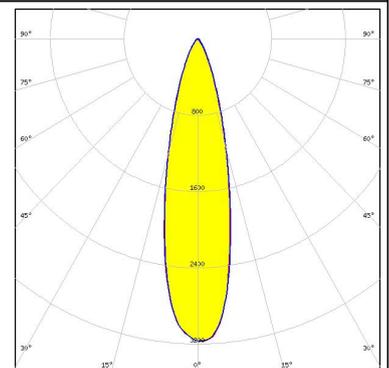
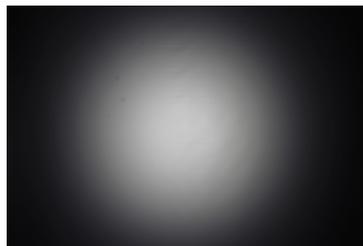
PHOTOMETRIC DATA (MEASURED):



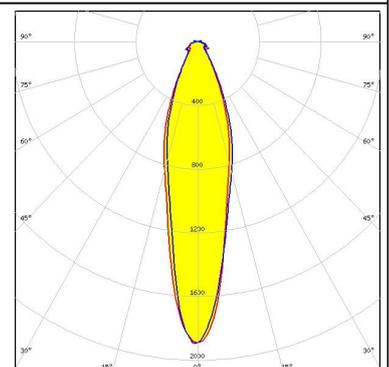
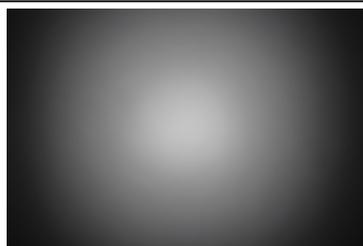
LED CXA/B 15xx
 FWHM 31.0°
 Efficiency 91 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 441 Typ 2x2MX HV



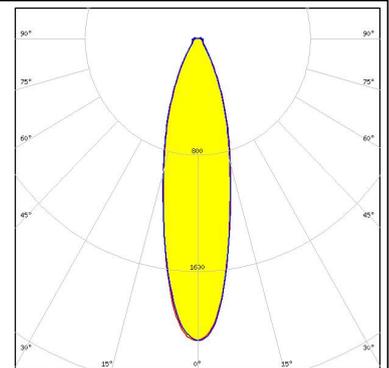
LED LUXEON M/MX
 FWHM 25.0°
 Efficiency 94 %
 Peak intensity 3.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



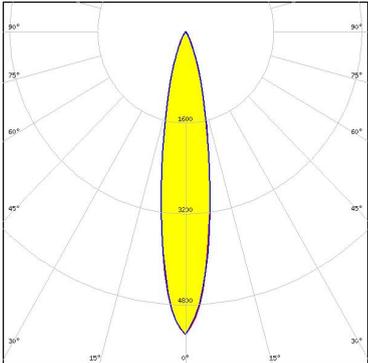
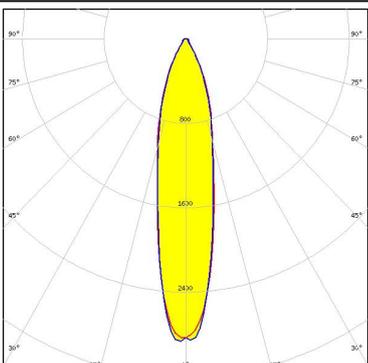
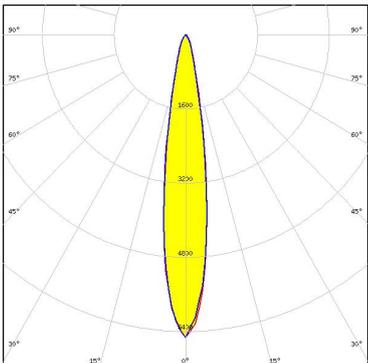
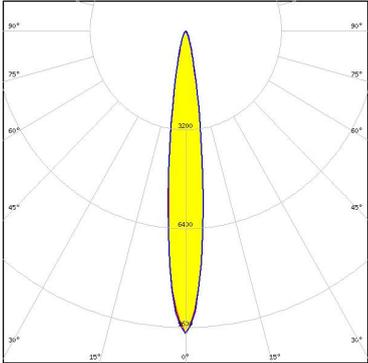
LED HiLOM SC16 (LH181B)
 FWHM 25.0°
 Efficiency 93 %
 Peak intensity 1.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Z8Y22
 FWHM 27.0°
 Efficiency 91 %
 Peak intensity 2.075 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



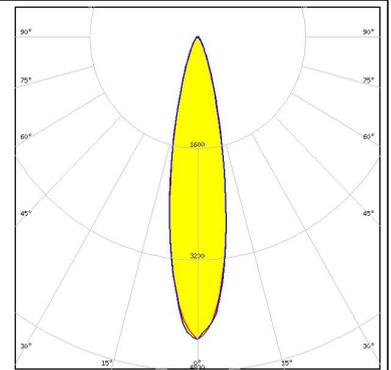
PHOTOMETRIC DATA (SIMULATED):

<p> bridgelux</p> <p>LED Bridgelux SMD 5050 FWHM 19.0° Efficiency 94 % Peak intensity 5.320 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CITIZEN</p> <p>LED CLU700/701 FWHM 22.0° Efficiency 92 % Peak intensity 2.870 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 434 Typ 2x2MX HV</p>	
<p> CREE</p> <p>LED XHP35 HD FWHM 17.0° Efficiency 94 % Peak intensity 6.600 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p> CREE</p> <p>LED XHP35 HI FWHM 14.0° Efficiency 94 % Peak intensity 9.800 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

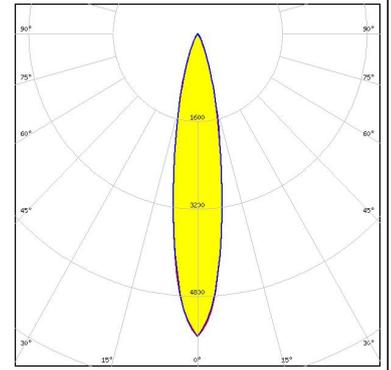
PHOTOMETRIC DATA (SIMULATED):



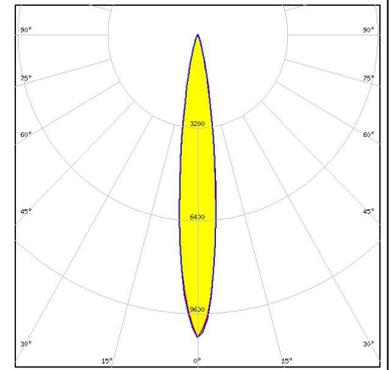
LED XHP50.2
FWHM 22.0°
Efficiency 94 %
Peak intensity 4.370 cd/lm
LEDs/each optic 1
Light colour White
Required components:



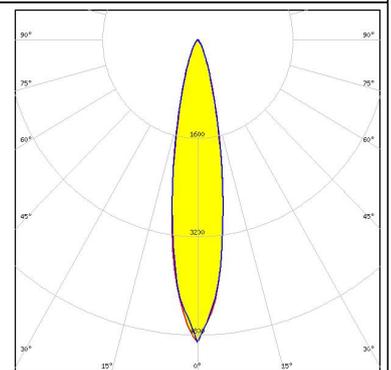
LED NFMW48xA
FWHM 19.0°
Efficiency 94 %
Peak intensity 5.530 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxE21A
FWHM 14.0°
Efficiency 94 %
Peak intensity 10.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



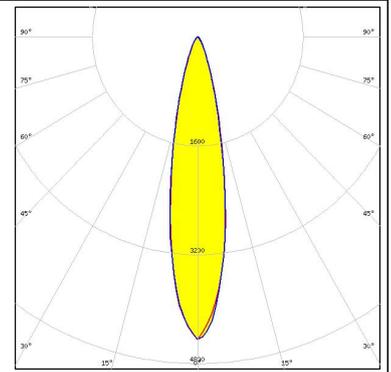
LED Duris S10
FWHM 20.0°
Efficiency 94 %
Peak intensity 4.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

PHILIPS

LED Fortimo FastFlex LED 2x2 70x70 DC G4
FWHM 21.0°
Efficiency 94 %
Peak intensity 4.450 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.

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