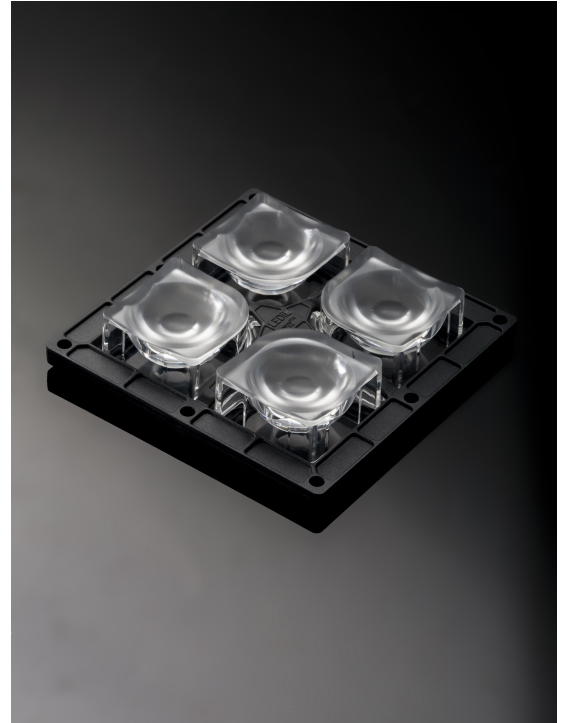


HB-2X2MXS-M

~30° wide beam

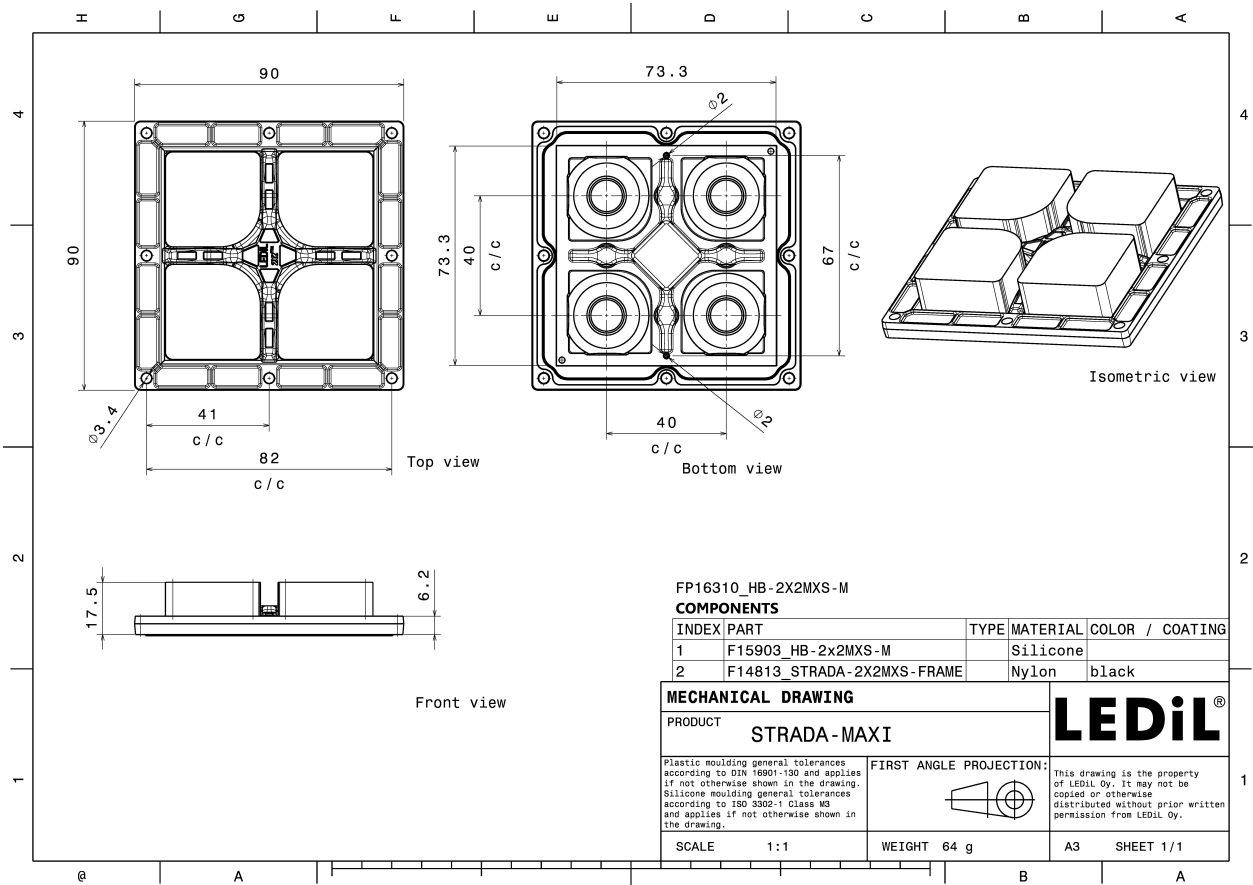
TECHNICAL SPECIFICATIONS:

Dimensions	90.0 mm
Height	18 mm
Fastening	screw
Colour	black
Box size	398 x 298 x 265 mm
Box weight	10.5 kg
Quantity in Box	156 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

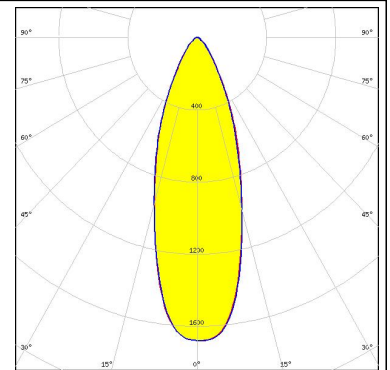
Component	Type	Material	Colour
HB-2X2MXS-M	Multi-lens	Silicone	clear
STRADA-2X2MXS-FRAME	Holder	PA66	black



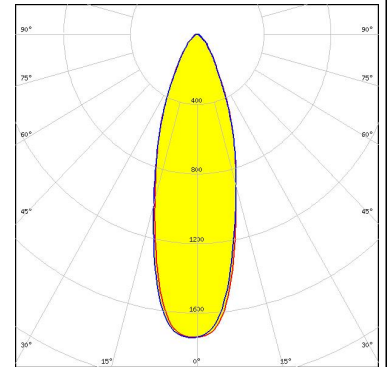
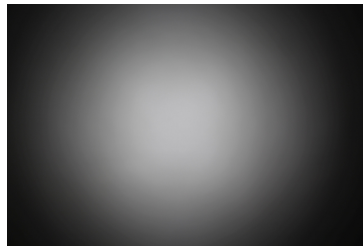
PHOTOMETRIC DATA (MEASURED):



LED LUXEON M/MX
FWHM 34.0°
Efficiency 91 %
Peak intensity 1.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



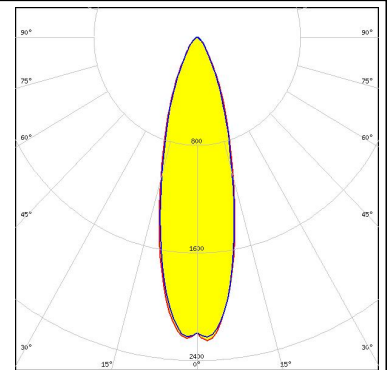
LED HiLOM SC16 (LH181B)
FWHM 32.0°
Efficiency 89 %
Peak intensity 1.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

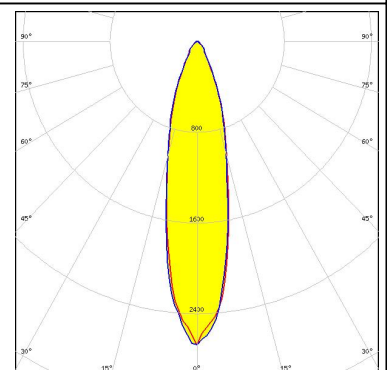
CITIZEN

LED CLU700/701
 FWHM 29.0°
 Efficiency 88 %
 Peak intensity 2.207 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 434 Typ 2x2MX HV



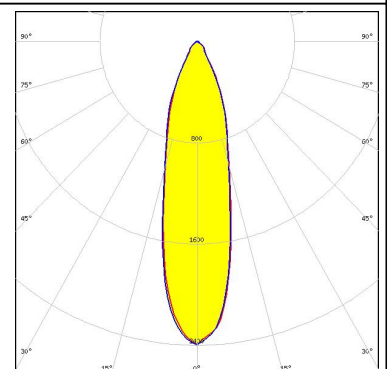
CREE

LED MHB-A/B
 FWHM 24.0°
 Efficiency 90 %
 Peak intensity 2.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



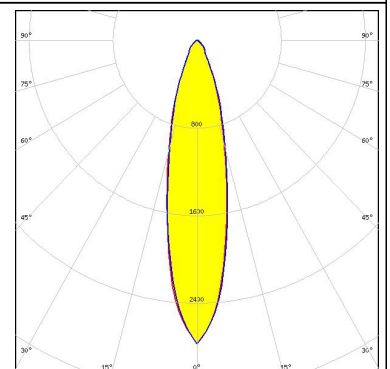
CREE

LED XHP50
 FWHM 26.4°
 Efficiency 92 %
 Peak intensity 2.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

LED NFMW48xA
 FWHM 24.0°
 Efficiency 90 %
 Peak intensity 2.770 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.

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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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