

HB-2X2MXS-WW

~55° wide beam

SPECIFICATION:

Dimensions 90.0 x 90.0 mm

Height 16.5 mm

Fastening screw

Ingress protection classes IP67

ROHS compliant yes 1



MATERIALS:

ComponentTypeMaterialColourFinishHB-2X2MXS-WWMulti-lensSiliconeclearSTRADA-2X2MXS-FRAMEHolderPA66black

ORDERING INFORMATION:

 Component
 Qty in box
 MOQ
 MPQ
 Box weight (kg)

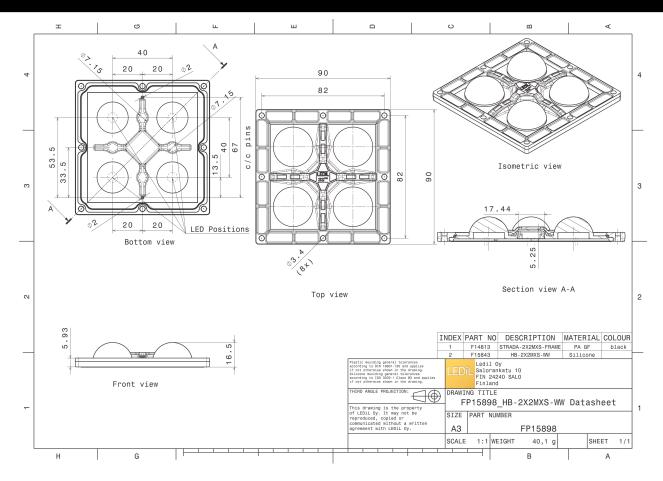
 FP15898_HB-2X2MXS-WW
 Multi-lens
 168
 24
 12
 8.6

 » Box size: 398 x 298 x 265 mm

1/8



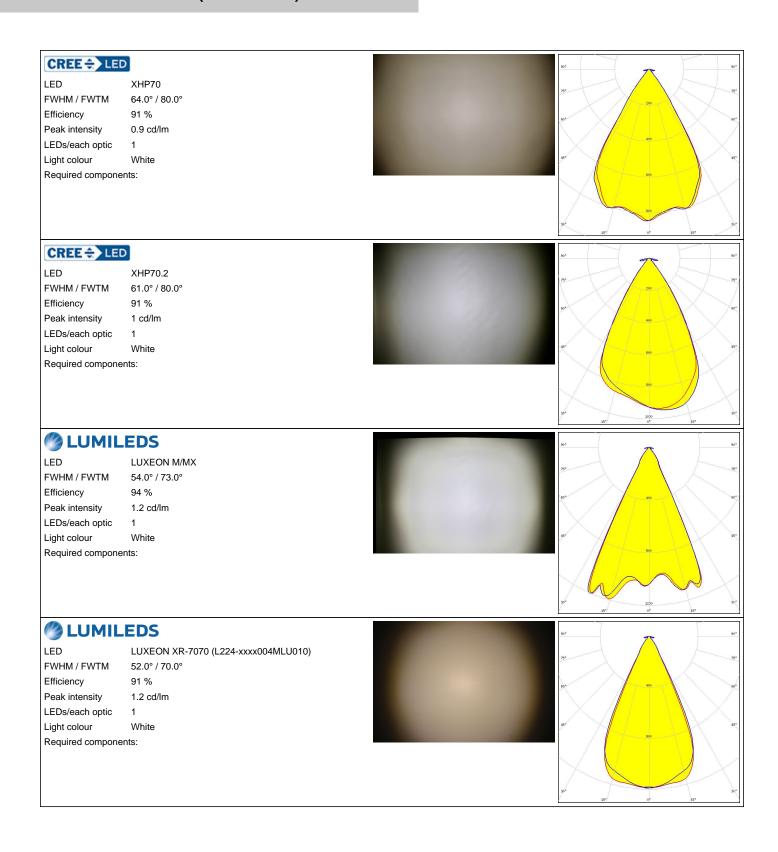
PRODUCT DATASHEET FP15898_HB-2X2MXS-WW



See also our general installation guide: www.ledil.com/installation_guide

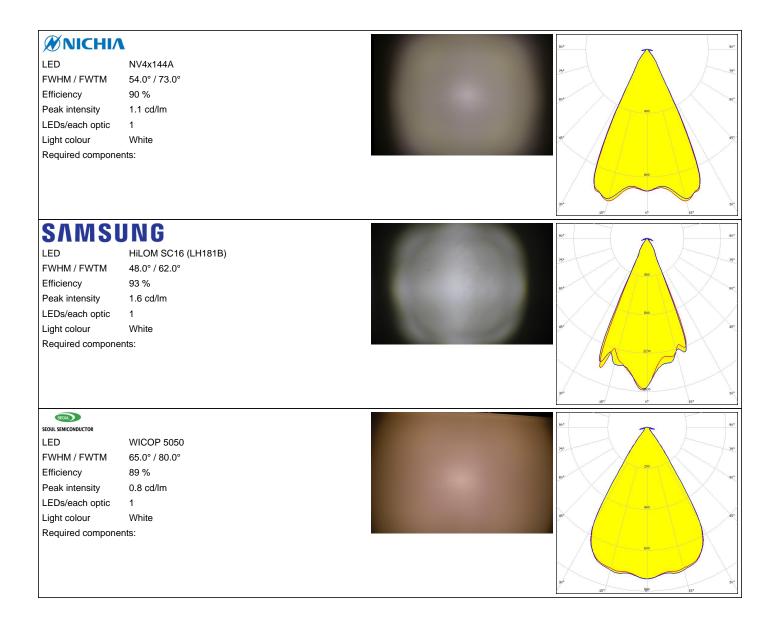


OPTICAL RESULTS (MEASURED):





OPTICAL RESULTS (MEASURED):





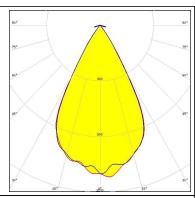
OPTICAL RESULTS (SIMULATED):

bridgelux

LED Bridgelux SMD 5050

FWHM / FWTM 57.0° / 73.0° Efficiency 92 % Peak intensity 1.1 cd/lm LEDs/each optic Light colour White

Required components:

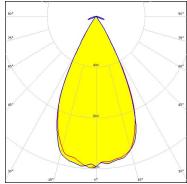


CITIZEN

LED CLU700/701/702/703

FWHM / FWTM 52.0° / 68.0° Efficiency 89 % Peak intensity 1.2 cd/lm LEDs/each optic 1 White Light colour

Bender Wirth: 434 Typ 2x2MX HV



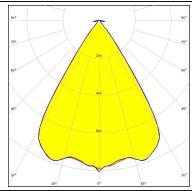
CREE + LED

Required components:

LED XHP70.3 HD FWHM / FWTM 66.0° / 78.0° Efficiency 91 %

Peak intensity 0.8 cd/lm LEDs/each optic Light colour White

Required components:

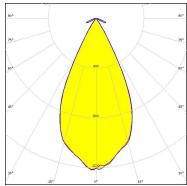


MUMILEDS

LED LUXEON 7070 FWHM / FWTM 50.0° / 66.0° Efficiency 86 % Peak intensity 1.3 cd/lm

LEDs/each optic White Light colour

Required components:





OPTICAL RESULTS (SIMULATED):



LED SFT-40-WCS

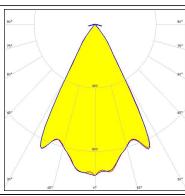
FWHM / FWTM 58.0° / 76.0° Efficiency 92 %

Efficiency 92 %
Peak intensity 1.1 cd/lm

LEDs/each optic 1

Light colour White

Required components:



ELUMINUS

LED SFT-70X-WCS

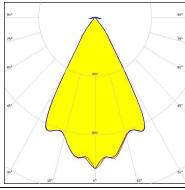
FWHM / FWTM 58.0° / 76.0°

Efficiency 93 %

Peak intensity 1 cd/lm LEDs/each optic 1

Light colour White

Required components:



WNICHIA

LED NFMW48xA

FWHM / FWTM 48.0° / 66.0°

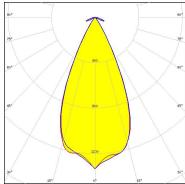
Efficiency 92 %

Peak intensity 1.3 cd/lm

LEDs/each optic 1

Light colour White

Required components:



WNICHIA

LED NV4WB35AM

FWHM / FWTM 58.0° / 76.0°

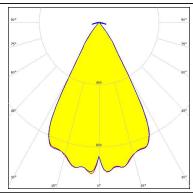
Efficiency 91 %

Peak intensity 1 cd/lm

Light colour White

Required components:

LEDs/each optic





OPTICAL RESULTS (SIMULATED):

OSRAM Opto Semiconductors

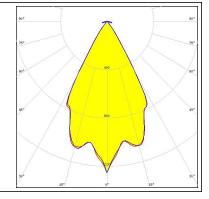
 LED
 OSCONIQ C 2424

 FWHM / FWTM
 58.0° / 72.0°

 Efficiency
 92 %

Peak intensity 1.3 cd/lm
LEDs/each optic 4
Light colour White

Required components:





PRODUCT DATASHEET FP15898_HB-2X2MXS-WW

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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8/8

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