PRODUCT DATASHEET CS15767_HB-2X2MX-8-M

HB-2X2MX-8-M

~30° wide beam. New revision.

SPECIFICATION:

Dimensions 90.0 x 90.0 mm

Height 16.4 mm

Fastening screw

Ingress protection classes IP67

ROHS compliant yes 1



MATERIALS:

ComponentTypeMaterialColourFinishHB-2X2MX-8-MMulti-lensPMMAclearSTRADA-2X2MX-8-SEALSealSiliconeclear

ORDERING INFORMATION:

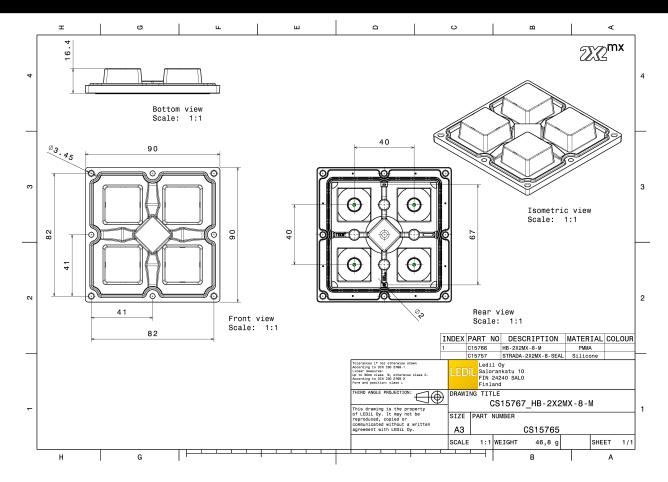
 Component
 Qty in box
 MOQ
 MPQ
 Box weight (kg)

 CS15767_HB-2X2MX-8-M
 Multi-lens
 156
 52
 52
 8.3

 » Box size: 480 x 280 x 300 mm



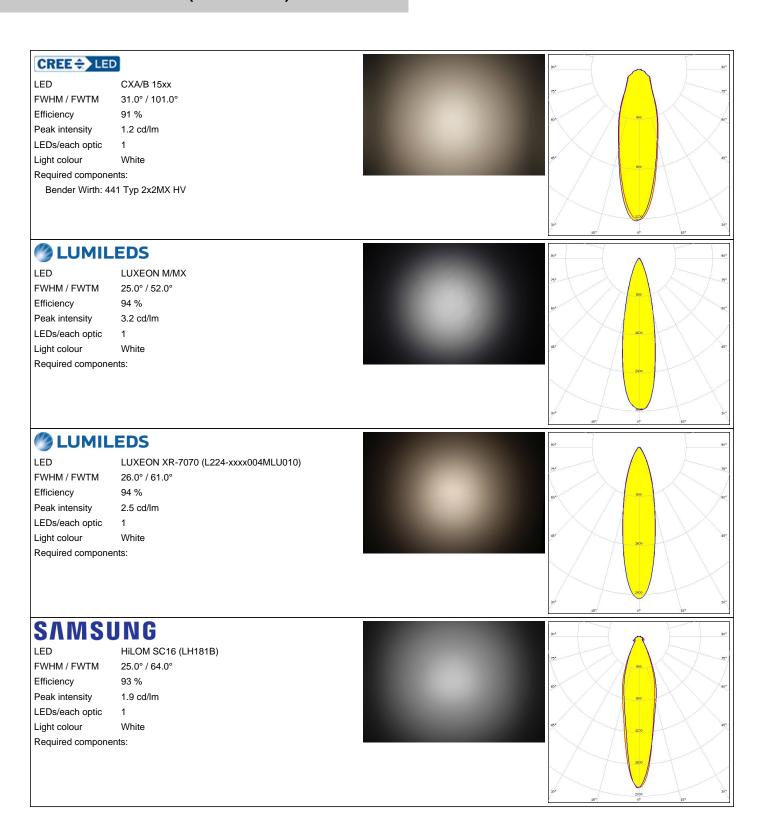
PRODUCT DATASHEET CS15767_HB-2X2MX-8-M



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

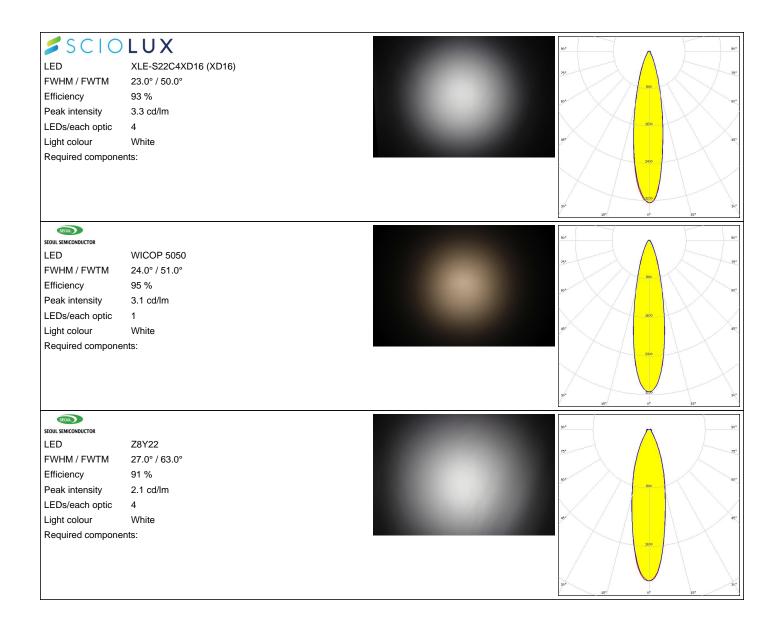


OPTICAL RESULTS (MEASURED):





OPTICAL RESULTS (MEASURED):



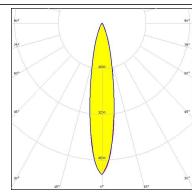




LED Bridgelux SMD 5050

FWHM / FWTM 19.0° / 43.0°
Efficiency 94 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:



CITIZEN

LED CLU700/701/702/703

FWHM / FWTM 22.0° / 58.0°

Efficiency 92 %

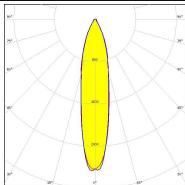
Peak intensity 2.9 cd/lm

LEDs/each optic 1

Light colour White

Required components:

Bender Wirth: 434 Typ 2x2MX HV



CREE = LED

LED CMA1303 FWHM / FWTM 16.0° / 44.0°

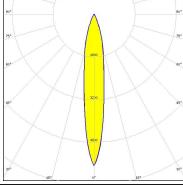
Efficiency 96 %

Peak intensity 5.7 cd/lm

LEDs/each optic 1

Light colour White Required components:

Bender Wirth: 448 Typ 2x2MX HV

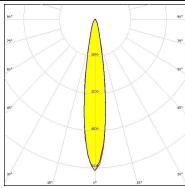


CREE & LED

LED XHP35 HD FWHM / FWTM 17.0° / 34.0°

Efficiency 94 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:



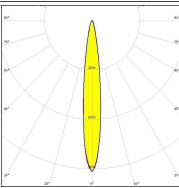




LED XHP35 HI $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 14.0° / 30.0° Efficiency 94 % Peak intensity 9.8 cd/lm

LEDs/each optic Light colour White

Required components:



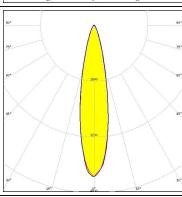
CREE - LED

XHP50.2 LED FWHM / FWTM 22.0° / 44.0° Efficiency 94 % Peak intensity 4.4 cd/lm LEDs/each optic 1

White

Required components:

Light colour

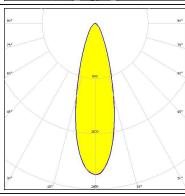


CREE + LED

LED XHP70.2 FWHM / FWTM 30.0° / 62.0° Efficiency 91 % Peak intensity 2.2 cd/lm LEDs/each optic 1

Light colour White Required components:

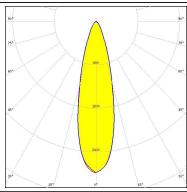
Protective plate, glass



CREE & LED

XHP70.3 HD FWHM / FWTM 28.0° / 56.0° Efficiency 96 % Peak intensity 2.8 cd/lm LEDs/each optic White Light colour

Required components:







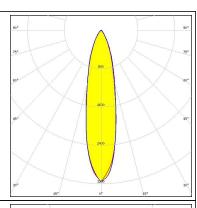
 LED
 LUXEON 7070

 FWHM / FWTM
 24.0° / 58.0°

 Efficiency
 96 %

Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White

Required components:



ELUMINUS

 LED
 SFT-40-WCS

 FWHM / FWTM
 10.0° / 20.0°

 Efficiency
 97 %

 Peak intensity
 17.7 cd/lm

LEDs/each optic 1
Light colour White
Required components:

ELUMINUS

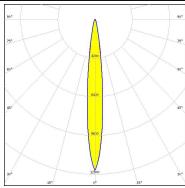
 LED
 SFT-70X-WCS

 FWHM / FWTM
 12.0° / 26.0°

 Efficiency
 97 %

 Peak intensity
 12.5 cd/lm

LEDs/each optic 1
Light colour White
Required components:

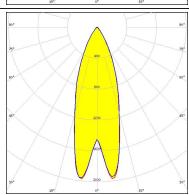


WNICHIA

LED NF2x757G FWHM / FWTM 34.0° / 66.0 + 67.0°

Efficiency 97 %
Peak intensity 2 cd/lm
LEDs/each optic 4
Light colour White

Required components:





WNICHIA

LED NFMW48xA
FWHM / FWTM 19.0° / 42.0°
Efficiency 94 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White

WNICHIA

Required components:

LED NV4WB35AM
FWHM / FWTM 16.0° / 34.0°
Efficiency 97 %
Peak intensity 7.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

WNICHIA

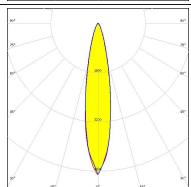
Required components:

Required components:

LED NVSxE21A
FWHM / FWTM 14.0° / 28.0°
Efficiency 94 %
Peak intensity 10.4 cd/lm
LEDs/each optic 1
Light colour White

OSRAM

LED Duris \$10
FWHM / FWTM 20.0° / 43.0°
Efficiency 94 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour White





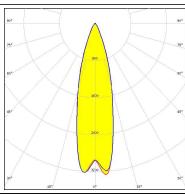
OSRAM

LED OSCONIQ C 2424 FWHM / FWTM 28.0° / 52.0°

Efficiency 97 %
Peak intensity 3.3 cd/lm

LEDs/each optic 4
Light colour White

Required components:

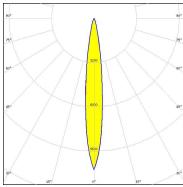


SAMSUNG

LED LH181B FWHM / FWTM 14.0° / 28.0°

Efficiency 96 %
Peak intensity 11 cd/lm
LEDs/each optic 1
Light colour White

Required components:



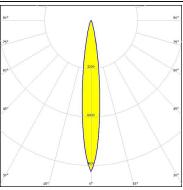
SAMSUNG

LED LH231B
FWHM / FWTM 14.0° / 30.0°
Efficiency 96 %

Peak intensity 10 cd/lm LEDs/each optic 1

White

Light colour
Required components:





PRODUCT DATASHEET CS15767_HB-2X2MX-8-M

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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