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)

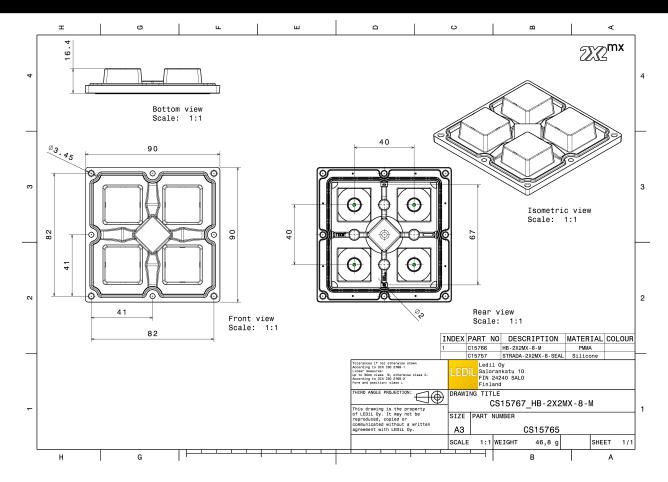
 CS15767_HB-2X2MX-8-M
 Multi-lens
 156
 52
 52
 8.3

 » Box size: 480 x 280 x 300 mm

Published: 15/05/2019



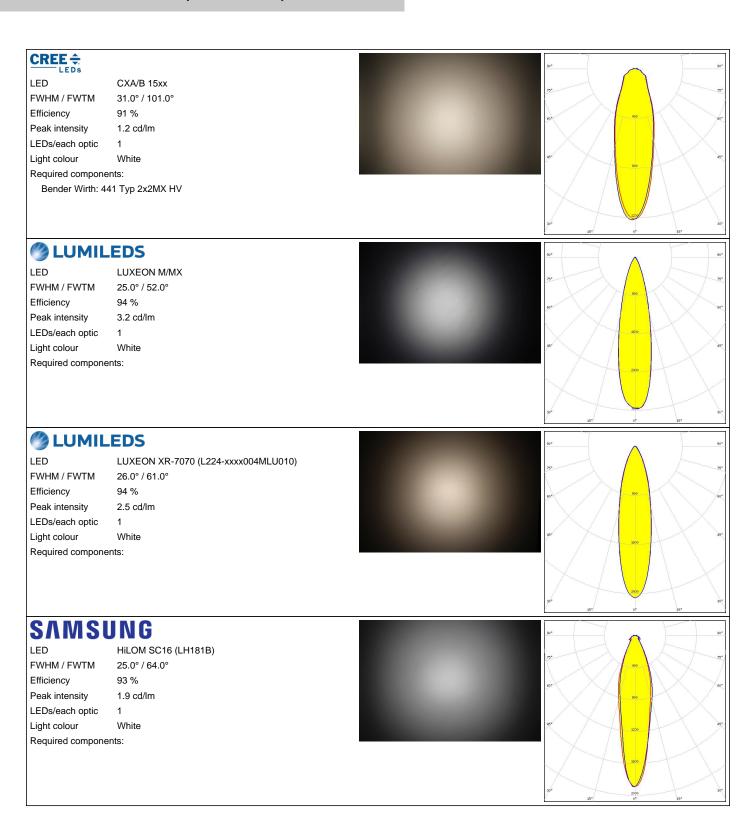
PRODUCT CS15767_HB-2X2MX-8-M



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

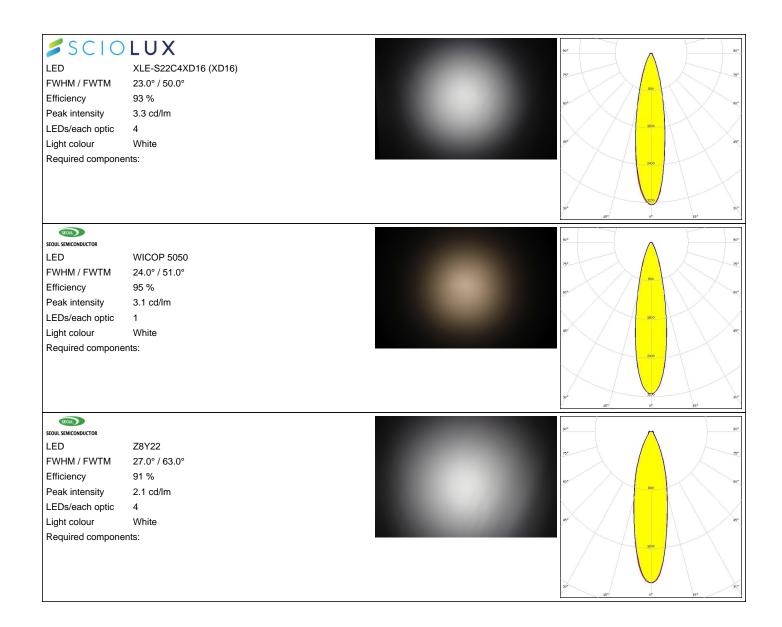


OPTICAL RESULTS (MEASURED):





OPTICAL RESULTS (MEASURED):



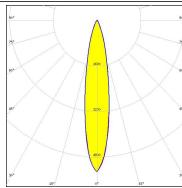




LED Bridgelux SMD 5050

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

Required components:

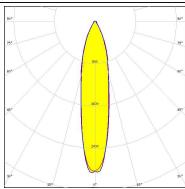


CITIZEN

LED CLU700/701/702/703

FWHM / FWTM 22.0° / 58.0° Efficiency 92 % Peak intensity 2.9 cd/lm LEDs/each optic 1 White Light colour Required components:

Bender Wirth: 434 Typ 2x2MX HV



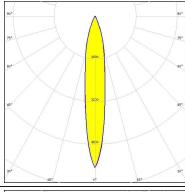
CREE \$

LED CMA1303 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 16.0° / 44.0°

Efficiency 96 % Peak intensity 5.7 cd/lm LEDs/each optic

Light colour White Required components:

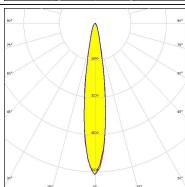
Bender Wirth: 448 Typ 2x2MX HV



CREE &

XHP35 HD FWHM / FWTM 17.0° / 34.0° Efficiency 94 % Peak intensity 6.6 cd/lm

LEDs/each optic White Light colour Required components:



Published: 15/05/2019



CREE &

LED

XHP35 HI

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$

14.0° / 30.0°

Efficiency Peak intensity 94 %

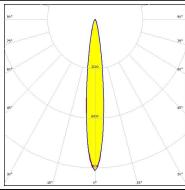
LEDs/each optic

9.8 cd/lm

Light colour

White

Required components:



CREE &

LED

XHP50.2

FWHM / FWTM Efficiency

22.0° / 44.0°

Peak intensity

94 %

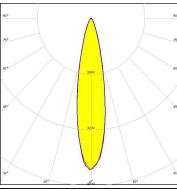
LEDs/each optic

4.4 cd/lm 1

Light colour

White

Required components:



CREE +

LED

XHP70.2

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$

30.0° / 62.0°

Efficiency

91 %

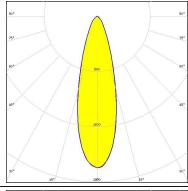
Peak intensity LEDs/each optic 2.2 cd/lm

Light colour

1 White

Required components:

Protective plate, glass



CREE \$

FWHM / FWTM

XHP70.3 HD

Efficiency

28.0° / 56.0° 96 %

Peak intensity LEDs/each optic

Required components:

2.8 cd/lm

Light colour

White



White



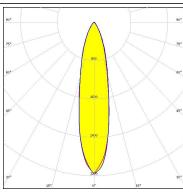
LED LUXEON 7070 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 24.0° / 58.0°

Efficiency 96 % Peak intensity 3.2 cd/lm

LEDs/each optic

Required components:

Light colour

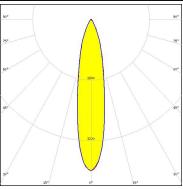


ELUMINUS

LED MP 7070 FWHM / FWTM 22.0° / 52.0°

Efficiency 97 % Peak intensity 4 cd/lm LEDs/each optic 1 White Light colour

Required components:

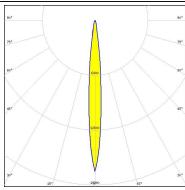


ELUMINUS

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:

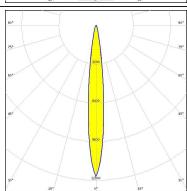


ELUMINUS

SFT-70X-WCS FWHM / FWTM 12.0° / 26.0°

97 % Efficiency Peak intensity 12.5 cd/lm

LEDs/each optic 1 White Light colour Required components:





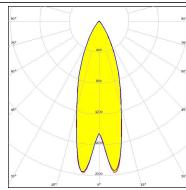


LED NF2x757G

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 34.0° / 66.0 + 67.0°

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

Required components:

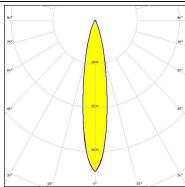


WNICHIA

LED NFMW48xA FWHM / FWTM 19.0° / 42.0°

Efficiency 94 % Peak intensity 5.5 cd/lm LEDs/each optic 1 White Light colour

Required components:



WNICHIA

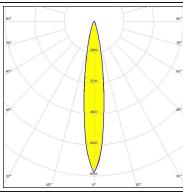
LED NV4WB35AM FWHM / FWTM 16.0° / 34.0°

Efficiency 97 % Peak intensity 7.8 cd/lm LEDs/each optic

Light colour White

1 Required components:

White



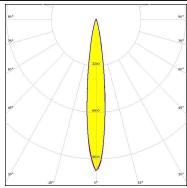
WNICHIA

LED NVSxE21A FWHM / FWTM 14.0° / 28.0° Efficiency 94 %

Peak intensity 10.4 cd/lm LEDs/each optic

Required components:

Light colour





OSRAM

LED

Duris S10

94 %

FWHM / FWTM

20.0° / 43.0°

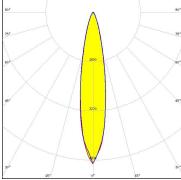
Efficiency Peak intensity

4.9 cd/lm

LEDs/each optic

White

Light colour Required components:



OSRAM

LED OSCONIQ C 2424

FWHM / FWTM

28.0° / 52.0°

Efficiency

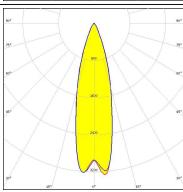
97 %

Peak intensity LEDs/each optic 3.3 cd/lm

Light colour

4 White

Required components:



SAMSUNG

LED

LH181B

FWHM / FWTM

14.0° / 28.0°

Efficiency

96 %

Peak intensity

11 cd/lm

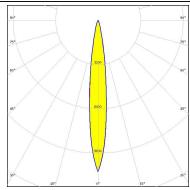
LEDs/each optic

1

Light colour

White

Required components:



SAMSUNG

LH231B

FWHM / FWTM

14.0° / 30.0°

Efficiency

96 %

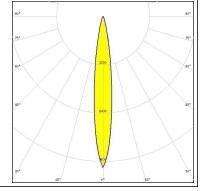
Peak intensity

10 cd/lm

LEDs/each optic Light colour

White

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDIL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405, Block B **Casic Motor Building** Shenzhen 518057 P.R.CHINA

Local sales and technical support

www.ledil.com/ where to buy

Shipping locations

Salo, Finland Hong Kong, China

Distribution Partners

www.ledil.com/ where_to_buy