

PRODUCT DATASHEET CS15767_HB-2X2MX-8-M

HB-2X2MX-8-M

~30° wide beam. New revision.

SPECIFICATION:

Dimensions	90.0 x 90.0
Height	16.4 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



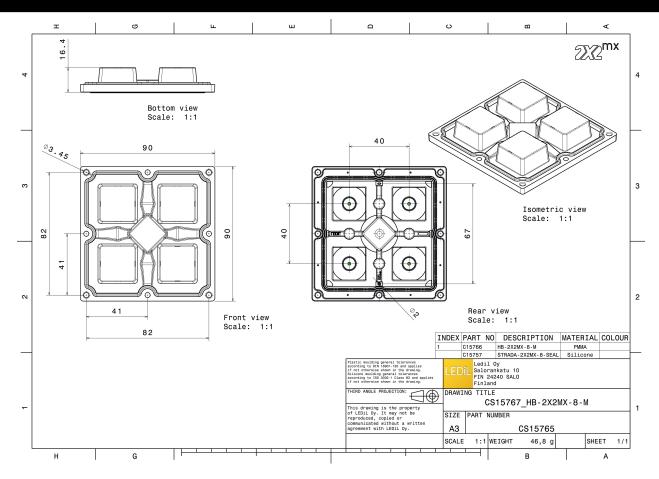
MATERIALS:

Component	Туре	Material	Colour	Finish	Length (mm)
HB-2X2MX-8-M	Multi-lens	PMMA	clear		
STRADA-2X2MX-8-SEAL	Seal	Silicone	clear		

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					



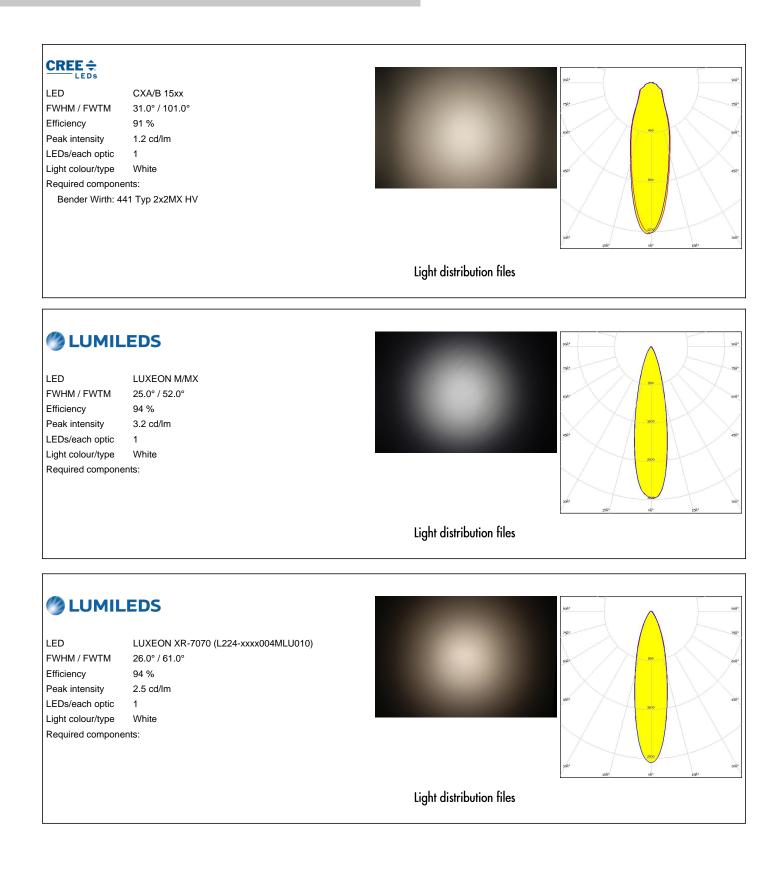


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See also our general installation guide: www.ledil.com/installation_guide

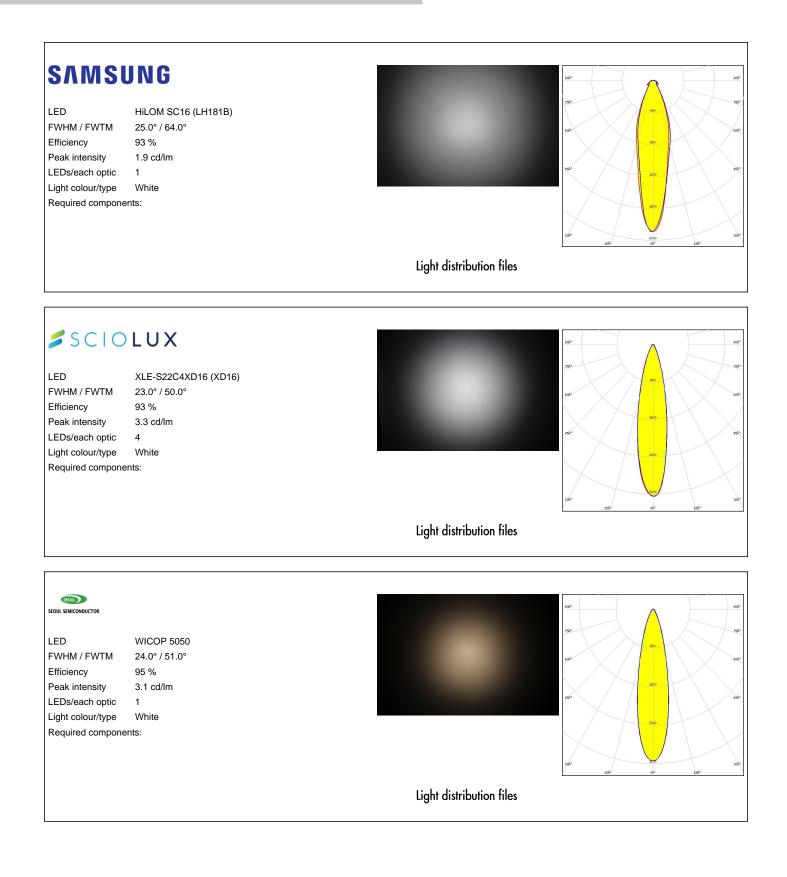


OPTICAL RESULTS (MEASURED):





OPTICAL RESULTS (MEASURED):





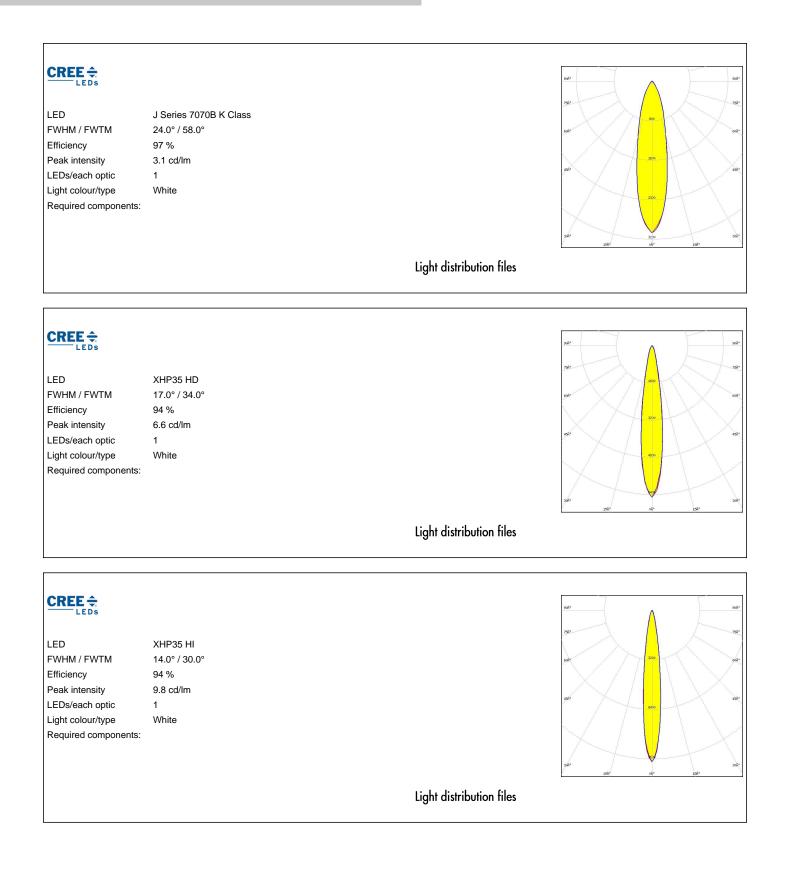
OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR					760
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	Z8Y22 27.0° / 63.0° 91 % 2.1 cd/lm 4 White nts:				
			Light	distribution files	



bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Bridgelux SMD 5050 19.0° / 43.0° 94 % 5.3 cd/lm 1 White	544 244 544 544 544 244	1000 1000 1000 1000 1000 1000 1000 100
		Light distribution files	
CITIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: Bender Wirth: 434 Ty	CLU700/701/702/703 22.0° / 58.0° 92 % 2.9 cd/lm 1 White	Light distribution files	
CREECS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: Bender Wirth: 448 Ty	CMA1303 16.0° / 44.0° 96 % 5.7 cd/lm 1 White	Light distribution files	1600 1600 1600 1600 1600 1600 1600 1600





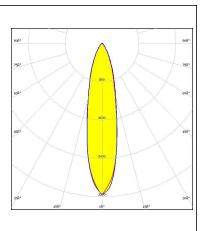


		-900
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	XHP50.2 22.0° / 44.0° 94 % 4.4 cd/lm 1 White	54° 500 54° 500 54° 500 500 500 500 500 500 500 500 500 500
		Light distribution files
CREE \$ LEDs		*Bic
LED FWHM / FWTM Efficiency Peak intensity	XHP70.2 30.0° / 62.0° 91 % 2.2 cd/lm	53° - 200
LEDs/each optic Light colour/type Required components:	1 White	300
Protective plat	e, glass	Light distribution files
		508°
		750
LED FWHM / FWTM	XHP70.3 HD 28.0° / 56.0°	50 ⁴
Efficiency	96 %	$r \times / \square \setminus \times $
Peak intensity	2.8 cd/lm	
LEDs/each optic Light colour/type	1 White	
Required components:	WING	200
		1587 08° 158°

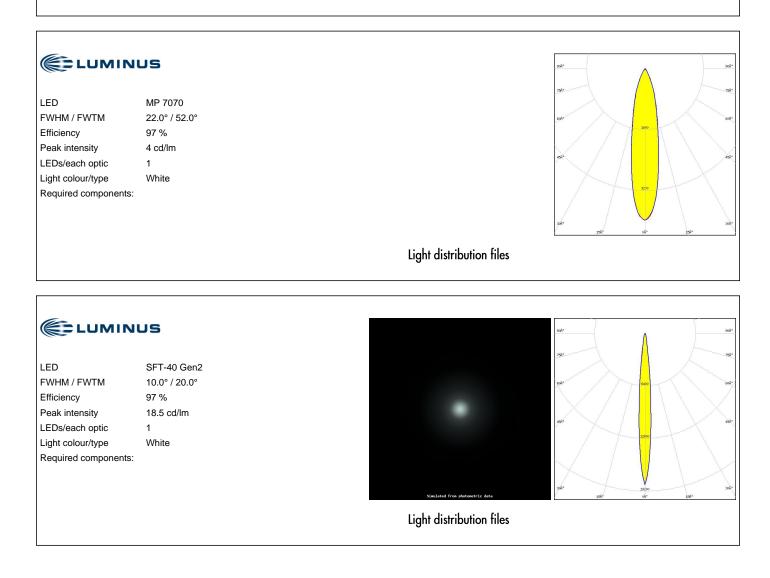


LUMILEDS

LED	LUXEON 7070
FWHM / FWTM	24.0° / 58.0°
Efficiency	96 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files





I FD SFT-40-WCS FWHM / FWTM 10.0° / 20.0° Efficiency 97 % Peak intensity 17.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files 90Å SFT-70X-WCS I FD FWHM / FWTM 12.0° / 26.0° Efficiency 97 % Peak intensity 12.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files **MNICHIA** LED NF2x757G FWHM / FWTM 34.0° / 66.0 + 67.0° Efficiency 97 % Peak intensity 2 cd/lm LEDs/each optic 4 Light colour/type White Required components:

Light distribution files



ΜΝΙCΗΙΛ I FD NFMW48xA FWHM / FWTM 19.0° / 42.0° Efficiency 94 % Peak intensity 5.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files **Μ**ΝΙCΗΙΛ NV4WB35AM I FD 16.0° / 34.0° FWHM / FWTM Efficiency 97 % Peak intensity 7.8 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files **MNICHIA** NVSxE21A LED FWHM / FWTM 14.0° / 28.0° Efficiency 94 % Peak intensity 10.4 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files

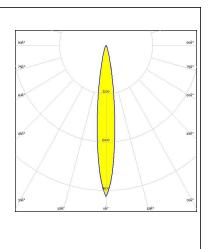


		Light distribution files
SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	LH181B 14.0° / 28.0° 96 % 11 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	97 % 3.3 cd/lm 4 White	Light distribution files
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	OSCONIQ C 2424 28.0° / 52.0° 97 %	
		Light distribution files
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Duris S10 20.0° / 43.0° 94 % 4.9 cd/lm 1 White	968 9 7961



SAMSUNG

LED	LH231B
FWHM / FWTM	14.0° / 30.0°
Efficiency	96 %
Peak intensity	10 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



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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