

PRODUCT DATASHEET FP15898_HB-2X2MXS-WW

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 🛈



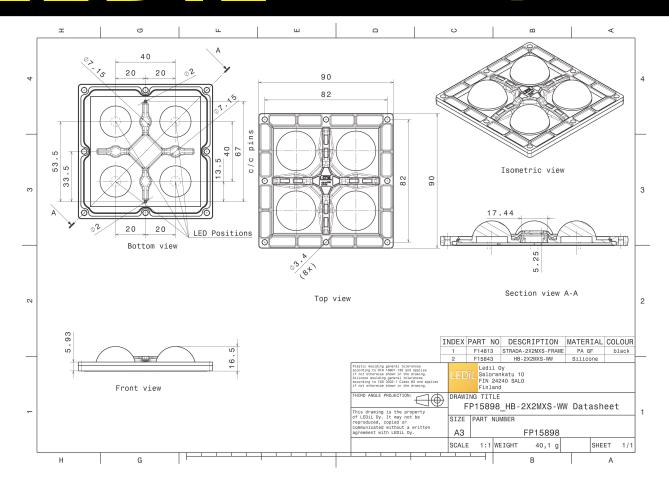
MATERIALS:

Component	Туре	Material	Colour	Finish
HB-2X2MXS-WW	Multi-lens	Silicone	clear	
STRADA-2X2MXS-FRAME	Holder	PA66	black	

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					

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



OPTICAL RESULTS (MEASURED):

		50 ⁴ 50 ³
LED	XHP70	
FWHM / FWTM	64.0° / 80.0°	75
Efficiency	91 %	80°
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	at at
Required compone	ents:	
		840
		»·
LED	XHP70.2	
FWHM / FWTM	AHP70.2 61.0° / 80.0°	75
Efficiency	91 %	
Peak intensity	1 cd/lm	ere ere
LEDs/each optic	1	
Light colour	White	gr ag
Required compone		
		34
		15 ⁵ d ⁴ 15 ⁵
🥙 LUMIL	.EDS	90° 90°
LED	LUXEON M/MX	
FWHM / FWTM	54.0° / 73.0°	
Efficiency	94 %	60° (************************************
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		30 ⁴ 2250 30 ⁴
	EDS	50°
LED	LUXEON XR-7070 (L224-xxxx004MLU010)	
FWHM / FWTM	52.0° / 70.0°	
Efficiency	91 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
LEDS/each oplic		
Light colour	White	
Light colour		
Light colour		
Light colour		



OPTICAL RESULTS (MEASURED):

ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NV4x144A 54.0° / 73.0° 90 % 1.1 cd/lm 1 White ents:	
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC16 (LH181B) 48.0° / 62.0° 93 % 1.6 cd/lm 1 White	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	WICOP 5050 65.0° / 80.0° 89 % 0.8 cd/lm 1 White ents:	



OPTICAL RESULTS (SIMULATED):

bridgelux.		50°
LED	Bridgelux SMD 5050	75°
FWHM / FWTM	57.0° / 73.0°	
Efficiency	92 %	60° 400
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	a. a.
Required components:		
		\times \sim \times
		30° 30° 35°
CITIZEN		90° 90°
LED	CLU700/701/702/703	
FWHM / FWTM	52.0° / 68.0°	75.
Efficiency	89 %	
Peak intensity	1.2 cd/lm	60°
LEDs/each optic	1	$ \times // \times $
Light colour	White	43.
Required components:		exe
Bender Wirth: 434 Ty	p 2x2MX HV	
-		
		15° 0° 15°
		90° 0° 12° 90°
LED	XHP70.3 HD	35. 26. 27. 27. 27. 27. 27. 27. 27. 27. 27. 27
LED FWHM / FWTM	66.0° / 78.0°	
LED FWHM / FWTM Efficiency	66.0° / 78.0° 91 %	
LED FWHM / FWTM Efficiency Peak intensity	66.0° / 78.0° 91 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	66.0° / 78.0° 91 % 0.8 cd/lm 1	77 78 79 79 79 79 79 79 79 79 79 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	66.0° / 78.0° 91 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	66.0° / 78.0° 91 % 0.8 cd/lm 1	77 78 79 79 79 79 79 79 79 79 79 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	66.0° / 78.0° 91 % 0.8 cd/lm 1	77 78 79 79 79 79 79 79 79 79 79 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	66.0° / 78.0° 91 % 0.8 cd/lm 1	77 66 60 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	66.0° / 78.0° 91 % 0.8 cd/lm 1	77 78 79 79 79 79 79 79 79 79 79 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	66.0° / 78.0° 91 % 0.8 cd/lm 1 White	77 78 79 79 79 79 79 79 79 79 79 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	66.0° / 78.0° 91 % 0.8 cd/lm 1 White	77 78 79 79 79 79 79 79 79 79 79 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	66.0° / 78.0° 91 % 0.8 cd/lm 1 White	77 78 79 79 79 79 79 79 79 79 79 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	66.0° / 78.0° 91 % 0.8 cd/lm 1 White	77 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	66.0° / 78.0° 91 % 0.8 cd/lm 1 White	77 78 79 79 79 79 79 79 79 79 79 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COMPARENT LED FWHM / FWTM Efficiency	66.0° / 78.0° 91 % 0.8 cd/lm 1 White	77 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	66.0° / 78.0° 91 % 0.8 cd/lm 1 White VNite UXEON 7070 50.0° / 66.0° 86 % 1.3 cd/lm	77 78 79 79 79 79 79 79 79 79 79 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Components: Compone	66.0° / 78.0° 91 % 0.8 cd/lm 1 White VNite LUXEON 7070 50.0° / 66.0° 86 % 1.3 cd/lm 1	77 78 79 79 79 79 79 79 79 79 79 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	66.0° / 78.0° 91 % 0.8 cd/lm 1 White VNite LUXEON 7070 50.0° / 66.0° 86 % 1.3 cd/lm 1	77 78 79 79 79 79 79 79 79 79 79 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	66.0° / 78.0° 91 % 0.8 cd/lm 1 White VNite LUXEON 7070 50.0° / 66.0° 86 % 1.3 cd/lm 1	77 78 79 79 79 79 79 79 79 79 79 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	66.0° / 78.0° 91 % 0.8 cd/lm 1 White VNite LUXEON 7070 50.0° / 66.0° 86 % 1.3 cd/lm 1	77 60 60 60 60 60 60 60 60 60 60 60



OPTICAL RESULTS (SIMULATED):

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SFT-40-WCS 58.0° / 76.0° 92 % 1.1 cd/lm 1 White	P ² 72 91 92 92 90 90 90 90 90 90 90 90 90 90
	JS	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SFT-70X-WCS 58.0° / 76.0° 93 % 1 cd/lm 1 White	22. 6. 6. 6. 6. 6. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7
Μ ΝΙCΗΙΛ		50* 50*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NFMW48xA 48.0° / 66.0° 92 % 1.3 cd/lm 1 White	200 00 00 00 00 00 00 00 00 00
WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 58.0° / 76.0° 91 % 1 cd/lm 1 White	90° 90° 73° 90° 60° 400 90° 90° 90° 90° 90° 90° 90° 90° 90° 9



OPTICAL RESULTS (SIMULATED):

OSRAM Opto Semiconductors

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSCONIQ C 2424 58.0° / 72.0° 92 % 1.3 cd/lm 4 White

