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Model:	MG11DB
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Model. MGTTDB							
) c ID 0 •	140[5.51]	18017.09]	22018.66]	260110.24]	300[11.81]	Remark	
70[2.76]	1423	1255	1118	1006	912		
150[5.91]	648	565	504	454	408	double-sided	
190[7.48]	1	451	394	357	346	light box layout	
230[9.06]	1	1	326	293	274		
) c ID 0	140[5.51]	18017.09]	22018.66]	260110.24]	300[11.81]	Remark	
70[2.76]	1137	1007	895	822	790		
110[4.33]	779	649	581	537	486	2m[6.5611]	
150[5.91]	1	482	427	378	354	double-sided light box	
190[7.48]	1	359	318	288	265	layout	
230[9.06]	1	1	1	258	226		
() c ID 0	140[5.51]	18017.09]	22018.66]	260110.24]	300[11.81]	Remark	
70[2.76]	2654	2326	2028	1821	1659	2m*1.5m	
110[4.33]	1779	1502	1367	1178	1097	[6.56*4.9211]	
150[5.91]	1200	1033	905	829	746	double-sided	
190[7.48]	1	836	721	659	616	light box layout	
Model: MG01X	_{BB} /	1	589	545	496	ayout	

) (ID •	140[5.51]	18017.09]	22018.66]	260110.24]	300[11.81]	Remark
	70[2.76]	915	885	798	692	640	
	110[4.33]	654	568	487	436	394	1.5m[4.92ft]
	150[5.91]	475	390	337	306	297	double-sided light box
	190[7.48]	/	318	267	244	219	layout
	230[9.06]	1	1	209	189	177	
_) c ID 0	140[5.51]	18017.09]	22018.66]	260110.24]	300[11.81]	Remark
_	70[2.76]	1684	1644	1454	1298	1199	2m*1.5m
	110[4.33]	1257	1094	930	854	778	[6.56*4.9211]
	150[5.91]	931	778	672	590	544	double-sided
							lovout
	230[9.06]	1	1	418	379	346	layout

Remark:

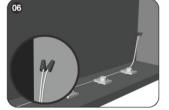
1. Above illumination is average illumination when surface is uniform;

2. This light box adopt 3M-P2; light transmittance 40%;

3.All above layout data are tested from product with 6000K color temperature; 4."/" means uneven lighting:

5.All above data are for reference.

A	Installation Steps	- Clean the installing surface.	Troubles St	supp wire' first the c corre anti-	n connect to external power bly, please ensure that the s anode & cathode in the module are connected with table of power supply ectly, waterproof and corrosion.	 1.3 he maximum cascade quantity of MG01DB/MG11DB is 15PCS, and the maximum cascade quantity of MG01XBB is 5 units (15pcs in total); e maximum casca e quantity of M921DB is 25 pcs, prohibited to exceed this limitation in actual using. 1.4 Please dispose the exposed wire and the joints with insulation, waterproof and anti-corrosion. Cautions for other parts selected: 1.1 Please ensure that the output voltage of using power supply is 12±5%VDC, and the rated power must be reserved 20% than the actual loading. 2.2 The using power supply must pass safety certification which have protection function in short-circuit, over-voltage and over-current. 3.3 During installing, please ask qualified person to count and select the suitable cable according to diameter and length when the connecting cable need to be extended, otherwise, low inputvoltage to product, fire hazard due to overheat cable will be caused. 	
	02	 Mark the installing place for modules and determine the 	Malfunction & Solution Table				
		needed quantity, remain centered installation.	Malfunctions	Possible Causes	Solutions	 Prohibited to disassemble, modify this product. 	
			All LEDs don't work	1. The power supply didn't connect to the power grid.	Power on.	 Prohibited to operate the product during power on. Prohibited to use any organic chemical solvents to contact this product directly or indirectly. 	
				2. The power supply is auto prote cted because output is short circuit.	Remove the malfunction and power on again.	 Installation, repair, maintain must be operated by professional persons. Prohibited to operate it by unprofessional person. Prohibited to use any acidor alkaline adhesive to fix this product. 	
B	03	 Peel off the release paper of 		3.The input of modules to the output of power supply are connected reversely.	Check the connecting and ensure the wires are connected correctly.	 This product will generate heat during working, must choose material with good cooling performance and installation density must be taken into consideration. These products are suitable for use in dry, damp and wet locations. 	
		double-sided adhesive tape in the backing of modules, then, stick modules on the installing surface for preliminary mounting.	Part of LEDs don't work	1. Some power supplies have no output.	Check the power supply and remove malfunctions.	 These products are onl suitable for connection to a circuit from a ass 2 power source. This is hi h ower module which is not available in double-ended feed from ower su These products have not been evaluated for use when connected to a power source 	
				2. Part of modules is wrongly connected to power supply.		 These products have not been evaluated to use when connected a power source that does not comply with Class 2 voltage and energy limited supplies. For wet location products, "These products are not required to be enclosed or 	
				3. Several modules are connected reversely.	Connect the wires correctly.	protected from weather".	
				1. The loading of power supply is overloaded.	Use more supplies or replace it with high-power supply.	Warranty:	
	• Adjust the modules to the best position, then, press the double-sided adhesive tape tightly and fasten it by screws.		Brightness of LED is dark or not even	2. The line losing of the power supply's wire is too big, or exist the bigger difference for each electrical circuit.	Ensure input voltage to modules are within ±5% of rated voltage (1. Shorten the length of wires between the modules to power supply or use wires of big diameter; 2. Check and ensure the cascaded quantity of modules can•t exceed the maximum cascade quantity which allowed; and the quantity for each electrical circuit are the same or the difference can't	Model No. Warranty M921DB/MG01DB/MG11 DB/ MG01XBB 5years or 22000 hours.whichever come first! Additional Remarks: Above warranty period are only for products which are used in inside of light box. Declaration: • • If the external flexible cable of light box is damaged, please replace it by the manufacturers or theirs service agent or the qualified persons to avoid a hazard. • The given data in this manual is based on our standard product. There may be existed varies with the actual delivery products. Please subject to the measure data for the	
С	et and the second secon	 Cut off modules to the desired qty, and peel off the insulation 			exceed3modulesbetweenstrings.	 All illustrations in this user manual are for reference only. Please subject to the 	
		skin of wire about 10mm. &Note: Please cut the wire in the middle; When cut wires of		3.Modules cascaded too many per the strings.	Lessen the cascaded qty for the modules and ensure the quantity for each electrical circuit is within the maximum cascade quantity which allowed.	received goods.The product subject to change or modify without prior notice.	
			LEDs are blinking	1. Poor contacted in the joints.	Find out the malfunction and remove it immediately.		
				2. Failures in the power supply.	Replace the power supply.		
	06	 When the wires exposed in the last module, please peel off the instruction of the second secon	Cautions:				



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last module, please peel off the insulation skin of wire about 10mm, then, connect it by

terminals according to the wire's anode & cathode, and

please dispose the joints with waterproof and anti-corrosion. 1. Cautions for Installation and Using:

1.1 Please check and ensure that the anode &cathode for the module's wires are connected to power supply output's anode & cathode accordingly. Otherwise, the product can not work normally.

product can not work normally.

 2 Double-sided adhesive tape is only used for preliminary fixing. Please use the screws or the neutral silicon sealant to fasten the modules, otherwise, defects will be caused, such as product shift, fall off and so on.

LED Modules User Manual







M921DB

MG01DB

MG11DB





MG01XBB





Please carefully read this manual before use our products and keeping properly V 1.0