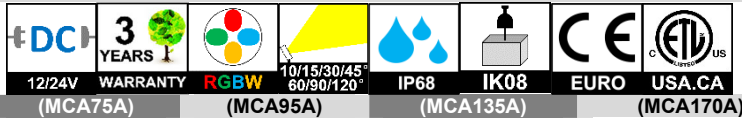


GTG9104A: LED UNDERWATER PROJECTOR

INTRODUCTION



FEATURE

Durable Corrosion Resistant Structure
Advanced Patent LED Technology
Long Lifespan > 50,000hours
Working Temperature: -30°C~50°C

MAIN MATERIAL

LED Brand: GUBO
Driver Brand: GUBO
Housing: Stainless Steel SUS304
Optics: High Efficiency PC Lens
Diffuser: Clear Tempered Glass Diffuser
Pre-wired: 0.5meters 2C18AWG Power Cord

INSTALLATION

Cannot Be Operated for Over 10min Out of Water!

Suitable for Pool, Fountain.....
Maximum Diving Depth: 5meters
[FBU]: U-type Fixing Bracket
[FHCRI]: Pole Mounting Retractable Hoop

STANDARD

Designed and Manufactured to Comply with
CE/RoHS/CB/cETL/SAA/SASO Standard
IP68 and IK8 Protection, Class III Electric

OPTION

LED CCT: 1,800K~10,000K/R/G/B/Y
[CRI]: RA80, [G] RA90, [H] RA97



MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	CONTROL MODE	INPUT [V]			
GTG9104A-MCA75A2B	3W	3x2W SMD3030	G2700K	RA90	230	>0.4	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° BL90D:90° BL120D:120°	[CDP]: PWM(1%) [CDX]: DMX512(1%)	CV DC24V [CV DC12V]			
			G3000K	RA90	250							
			G4000K	RA90	260							
			G6500K	RA90	260							
			2C@3W	TWG	G2700K G6500K					RA90	230	>0.9
3C@3W	RGB	620nm 520nm 460nm	/	230	>0.9							
GTG9104A-MCA95A2B	6W	6x2W SMD3030	G2700K	RA90	380	>0.4				[Oval] BLV15x45° BLV15x60° BLV20x60°	[Following by Remote Driver] [CDT]: TRIAC(10%) [CDV]: 0/1~10V(8%) [CDV0]: 0~10V(1%) [CDV1]: 1~10V(10%) [CDA]: DALI(1%) [CDZ]: ZIGBEE(1%)	
			G3000K	RA90	410							
			G4000K	RA90	440							
			G6500K	RA90	430							
			2C@6W	TWG	G2700K G6500K		RA90	380	>0.9			
3C@6W	RGB	620nm 520nm 460nm	/	380	>0.9							
GTG9104A-MC135A2B	10W	12x2W SMD3030	G2700K	RA90	610	>0.4	[Frosted] BDF:120°					
			G3000K	RA90	660							
			G4000K	RA90	710							
			G6500K	RA90	690							
			2C@10W	TWG	G2700K G6500K					RA90	610	>0.9
3C@10W	RGB	620nm 520nm 460nm	/	610	>0.9							
GTG9104A-MC145A2B	15W	18x2W SMD3030	G2700K	RA90	920	>0.9				[Prismatic] BDP:110°		
			G3000K	RA90	990							
			G4000K	RA90	1060							
			G6500K	RA90	1040							
			2C@15W	TWG	G2700K G6500K		RA90	920	>0.9			
3C@15W	RGB	620nm 520nm 460nm	/	920	>0.9							
GTG9104A-MCA170A2B	20W	24x2W SMD3030	G2700K	RA90	1230	>0.6	[Louver] BGL LM-20%					
			G3000K	RA90	1320							
			G4000K	RA90	1420							
			G6500K	RA90	1390							
			2C@20W	TWG	G2700K G6500K					RA90	1230	>0.9
3C@20W	RGB	620nm 520nm 460nm	/	1230	>0.9							
GTG9104A-MC190A2B	25W	30x2W SMD3030	G2700K	RA90	1530	>0.9						
			G3000K	RA90	1650							
			G4000K	RA90	1770							
			G6500K	RA90	1730							
			2C@25W	TWG	G2700K G6500K		RA90	1530	>0.9			
3C@25W	RGB	620nm 520nm 460nm	/	1530	>0.9							
GTG9104A-MC215A2B MC230A2B	30W	36x2W SMD3030	G2700K	RA90	1840	>0.9						
			G3000K	RA90	1980							
			G4000K	RA90	2130							
			G6500K	RA90	2080							
			2C@30W	TWG	G2700K G6500K					RA90	1840	>0.9
3C@30W	RGB	620nm 520nm 460nm	/	1840	>0.9							
GTG9104A-MC250A2B	40W	48x2W SMD3030	G2700K	RA90	2450	>0.9						
			G3000K	RA90	2650							
			G4000K	RA90	2840							
			G6500K	RA90	2780							
			2C@40W	TWG	G2700K G6500K		RA90	2450	>0.9			
3C@40W	RGB	620nm 520nm 460nm	/	2450	>0.9							
GTG9104A-MCA300A2B	50W	72x2W SMD3030	G2700K	RA90	3070	>0.9						
			G3000K	RA90	3310							
			G3500K	RA90	3310							
			G4000K	RA90	3550							
			G6500K	RA90	3470							
2C@50W	TWG	G2700K G6500K	RA90	3070	>0.9							
3C@50W	RGB	620nm 520nm 460nm	/	3070	>0.9							

NOTE:

All parameters are measured at 25°C ambient temperature, 35% humidity experimental environment.
Tolerances of power and luminous flux are ±10%, tolerance of color rendering index is ±5.

GTG9104A-MCA: ROUND LED UNDERWATER PROJECTOR

SPECIFICATION

MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	REMOTE CONTROL	INPUT [V]
GTG9104A-MCA75A3C	3W	3x10W SMD3535	E2700K	RA80	290	> 0.9	[Symmetric] BL6D:6° BL10D:10° BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° [Oval] BLV15x45° BLV15x60° BLV30x70° [BGL] Louver LM-15%	[CDN]:Non-dimmable [CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%) [CDA]:DALI(1%) [+CDP]:PWM(1%) Following by Remote Driver	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V] [+CV DC42V]
			E3000K	RA80	310				
			E3500K	RA80	310				
			E4000K	RA80	330				
			E5000K	RA80	330				
			E6500K	RA80	325				
	3W	3x10W SMD3535	G2700K	RA90	210	> 0.9			
			G3000K	RA90	220				
			G3500K	RA90	220				
			G4000K	RA90	240				
			G5000K	RA90	240				
			G6500K	RA90	230				
2C@3W	TWG	G2700K	G6500K	RA90	190	> 0.9			
3C@3W	RGB	620nm	520nm	460nm	\	190	> 0.9		
4C@3W	RGBW	620nm	520nm	460nm	2700K	\	190	> 0.9	
4C@3W	RGBA	620nm	520nm	460nm	590nm	\	190	> 0.9	
GTG9104A-MCA95A3C	5W [3W]	3x10W SMD3535	E2700K	RA80	410	> 0.9			
			E3000K	RA80	430				
			E3500K	RA80	430				
			E4000K	RA80	460				
			E5000K	RA80	460				
			E6500K	RA80	450				
	5W [3W]	3x10W SMD3535	G2700K	RA90	300	> 0.9			
			G3000K	RA90	310				
			G3500K	RA90	310				
			G4000K	RA90	340				
			G5000K	RA90	340				
			G6500K	RA90	330				
2C@20W	TWG	G2700K	G6500K	RA90	270	> 0.9			
3C@20W	RGB	620nm	520nm	460nm	\	270	> 0.9		
4C@20W	RGBW	620nm	520nm	460nm	2700K	\	270	> 0.9	
4C@20W	RGBA	620nm	520nm	460nm	590nm	\	270	> 0.9	
GTG9104A-MCA135A3C	6W	6x10W SMD3535	E2700K	RA80	520	> 0.9			
			E3000K	RA80	550				
			E3500K	RA80	550				
			E4000K	RA80	600				
			E5000K	RA80	600				
			E6500K	RA80	590				
	6W	6x10W SMD3535	G2700K	RA90	380	> 0.9			
			G3000K	RA90	400				
			G3500K	RA90	400				
			G4000K	RA90	440				
			G5000K	RA90	440				
			G6500K	RA90	430				
2C@6W	TWG	G2700K	G6500K	RA90	350	> 0.9			
3C@6W	RGB	620nm	520nm	460nm	\	350	> 0.9		
4C@6W	RGBW	620nm	520nm	460nm	2700K	\	350	> 0.9	
4C@6W	RGBA	620nm	520nm	460nm	590nm	\	350	> 0.9	
GTG9104A-MCA145A3C	10W	9x10W SMD3535	E2700K	RA80	880	> 0.9			
			E3000K	RA80	920				
			E3500K	RA80	920				
			E4000K	RA80	1000				
			E5000K	RA80	1000				
			E6500K	RA80	980				
	10W	9x10W SMD3535	G2700K	RA90	640	> 0.9			
			G3000K	RA90	660				
			G3500K	RA90	660				
			G4000K	RA90	730				
			G5000K	RA90	730				
			G6500K	RA90	720				
2C@10W	TWG	G2700K	G6500K	RA90	580	> 0.9			
3C@10W	RGB	620nm	520nm	460nm	\	580	> 0.9		
4C@10W	RGBW	620nm	520nm	460nm	2700K	\	580	> 0.9	
4C@10W	RGBA	620nm	520nm	460nm	590nm	\	580	> 0.9	
GTG9104A-MCA170A3C	15W	12x10W SMD3535	E2700K	RA80	1270	> 0.9			
			E3000K	RA80	1320				
			E3500K	RA80	1320				
			E4000K	RA80	1440				
			E5000K	RA80	1440				
			E6500K	RA80	1410				
	15W	12x10W SMD3535	G2700K	RA90	920	> 0.9			
			G3000K	RA90	960				
			G3500K	RA90	960				
			G4000K	RA90	1050				
			G5000K	RA90	1050				
			G6500K	RA90	1030				
2C@15W	TWG	G2700K	G6500K	RA90	840	> 0.9			
3C@15W	RGB	620nm	520nm	460nm	\	840	> 0.9		
4C@15W	RGBW	620nm	520nm	460nm	2700K	\	840	> 0.9	
4C@15W	RGBA	620nm	520nm	460nm	590nm	\	840	> 0.9	

NOTE:

All parameters are measured at 25°C ambient temperature, 35% humidity experimental environment. Tolerances of power and luminous flux are ±10%, tolerance of color rendering index is ±5.

GTG9104A-MCA: ROUND LED UNDERWATER PROJECTOR

SPECIFICATION

MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	REMOTE CONTROL	INPUT [V]
GTG9104A-MCA190A3C	20W	18x10W SMD3535	E2700K	RA80	1750	> 0.9	[Symmetric] BL6D:6° BL10D:10° BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° [Oval] BLV15x45° BLV15x60° BLV30x70° [BGL] Louver LM-15%	[CDN]:Non-dimmable [CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%) [CDA]:DALI(1%) Following by Remote Driver [CDX]:DMX512(1%) [CRZ]:ZIGBEE(1%) [CRF]:2.4G RF(1%) [CRB]:Bluetooth(1%) [CDS]:SPI(1%) Following [Sensor] [CSL]: Photocell Lux Sensor [CSM]: Micro Motion Sensor [CSMD]: Bi-level Microwave Motion Sensor	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V] [+CV DC42V]
			E3000K	RA80	1830				
			E3500K	RA80	1830				
			E4000K	RA80	2000				
			E5000K	RA80	2000				
			E6500K	RA80	1980				
	20W	18x10W SMD3535	G2700K	RA90	1270	> 0.9			
			G3000K	RA90	1330				
			G3500K	RA90	1330				
			G4000K	RA90	1460				
			G5000K	RA90	1460				
			G6500K	RA90	1430				
2C@20W	TWG	G2700K	G6500K	RA90	1160	> 0.9			
3C@20W	RGB	620nm	520nm	460nm	\	1160	> 0.9		
4C@20W	RGBW	620nm	520nm	460nm	2700K	\	1160	> 0.9	
4C@20W	RGBA	620nm	520nm	460nm	590nm	\	1160	> 0.9	
GTG9104A-MCA215A3C	25W	18x10W SMD3535	E2700K	RA80	2340	> 0.9			
			E3000K	RA80	2450				
			E3500K	RA80	2450				
			E4000K	RA80	2660				
			E5000K	RA80	2660				
			E6500K	RA80	2630				
	25W	18x10W SMD3535	G2700K	RA90	1700	> 0.9			
			G3000K	RA90	1770				
			G3500K	RA90	1770				
			G4000K	RA90	1940				
			G5000K	RA90	1940				
			G6500K	RA90	1920				
2C@25W	TWG	G2700K	G6500K	RA90	1550	> 0.9			
3C@25W	RGB	620nm	520nm	460nm	\	1550	> 0.9		
4C@25W	RGBW	620nm	520nm	460nm	2700K	\	1550	> 0.9	
4C@25W	RGBA	620nm	520nm	460nm	590nm	\	1550	> 0.9	
GTG9104A-MCA230A3C	25W	18x10W SMD3535	E2700K	RA80	2340	> 0.9			
			E3000K	RA80	2450				
			E3500K	RA80	2450				
			E4000K	RA80	2660				
			E5000K	RA80	2660				
			E6500K	RA80	2630				
	25W	18x10W SMD3535	G2700K	RA90	1700	> 0.9			
			G3000K	RA90	1770				
			G3500K	RA90	1770				
			G4000K	RA90	1940				
			G5000K	RA90	1940				
			G6500K	RA90	1920				
2C@25W	TWG	G2700K	G6500K	RA90	1550	> 0.9			
3C@25W	RGB	620nm	520nm	460nm	\	1550	> 0.9		
4C@25W	RGBW	620nm	520nm	460nm	2700K	\	1550	> 0.9	
4C@25W	RGBA	620nm	520nm	460nm	590nm	\	1550	> 0.9	
GTG9104A-MCA250A3C	30W	24x10W SMD3535	E2700K	RA80	2730	> 0.9			
			E3000K	RA80	2850				
			E3500K	RA80	2850				
			E4000K	RA80	3100				
			E5000K	RA80	3100				
			E6500K	RA80	3070				
	30W	24x10W SMD3535	G2700K	RA90	1980	> 0.9			
			G3000K	RA90	2060				
			G3500K	RA90	2060				
			G4000K	RA90	2270				
			G5000K	RA90	2270				
			G6500K	RA90	2230				
2C@30W	TWG	G2700K	G6500K	RA90	1810	> 0.9			
3C@30W	RGB	620nm	520nm	460nm	\	1810	> 0.9		
4C@30W	RGBW	620nm	520nm	460nm	2700K	\	1810	> 0.9	
4C@30W	RGBA	620nm	520nm	460nm	590nm	\	1810	> 0.9	
GTG9104A-MCA300A3C	40W	36x10W SMD3535	E2700K	RA80	3500	> 0.9			
			E3000K	RA80	3660				
			E3500K	RA80	3660				
			E4000K	RA80	4000				
			E5000K	RA80	4000				
			E6500K	RA80	3950				
	40W	36x10W SMD3535	G2700K	RA90	2550	> 0.9			
			G3000K	RA90	2650				
			G3500K	RA90	2650				
			G4000K	RA90	2910				
			G5000K	RA90	2910				
			G6500K	RA90	2870				
2C@40W	TWG	G2700K	G6500K	RA90	2320	> 0.9			
3C@40W	RGB	620nm	520nm	460nm	\	2320	> 0.9		
4C@40W	RGBW	620nm	520nm	460nm	2700K	\	2320	> 0.9	
4C@40W	RGBA	620nm	520nm	460nm	590nm	\	2320	> 0.9	

NOTE:








All parameters are measured at 25°C ambient temperature, 35% humidity experimental environment. Tolerances of power and luminous flux are ±10%, tolerance of color rendering index is ±5.

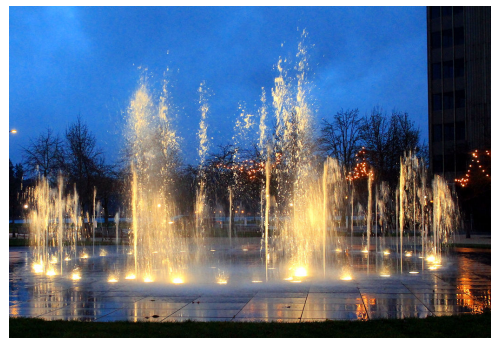
[FBU] U-type bracket Fixing Bracket


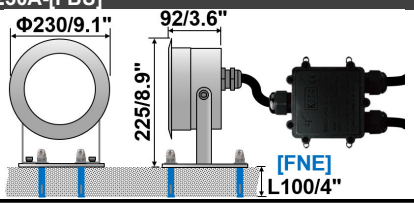
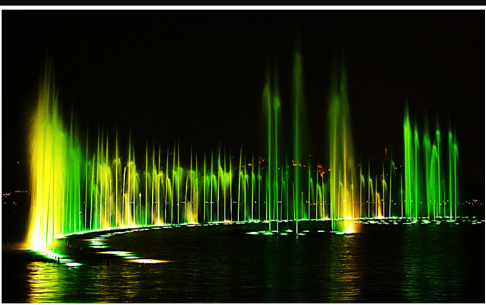

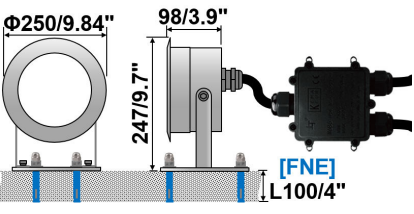

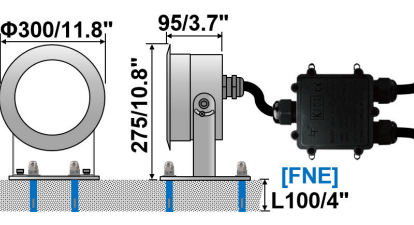
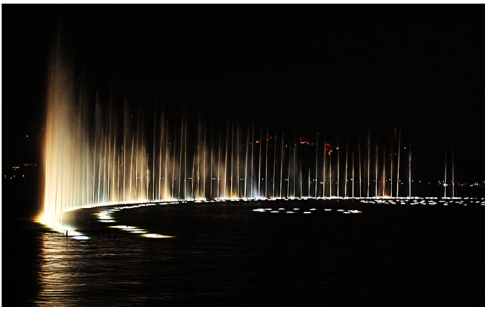
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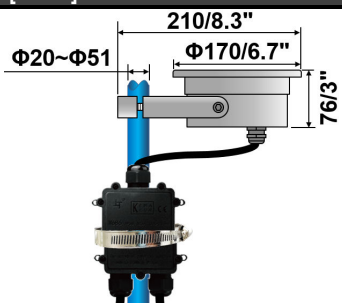
NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.

CASE STUDY:

	<p>MCA76A-[FBU]</p> <p>Φ75/2.95" 66/2.6" 86/3.4" [FNE] L75/3"</p>
	<p>MCA95A-[FBU]</p> <p>Φ95/3.74" 85/3.4" 108/4.3" [FNE] L75/3"</p>
	<p>MCA135A-[FBU]</p> <p>Φ135/5.32" 63/2.5" 142/5.6" [FNE] L75/3"</p>
	<p>MCA145A-[FBU]</p> <p>Φ145/5.7" 90/3.5" 177/7" [FNE] L75/3"</p>
	<p>MCA170A-[FBU]</p> <p>Φ170/6.7" 76/3" 177/7" [FNE] L75/3"</p>
	<p>MCA190A-[FBU]</p> <p>Φ190/7.5" 85/3.35" 198/7.8" [FNE] L100/4"</p>
	<p>MCA215A-[FBU]</p> <p>Φ215/8.5" 97/3.9" 218/8.6" [FNE] L100/4"</p>



[FBU] U-type bracket Fixing Bracket		DIMENSION: [UNIT: MM]	
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.		
MCA230A-[FBU]			
			
MCA250A-[FBU]			
			
MCA300A-[FBU]			
			

[FHCR] Retractable Fixing Hoop		DIMENSION: [UNIT: MM]	
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.		
CASE STUDY:			
MCA145A-[FHCR]			
			
MCA170A-[FHCR]			
			
MCA190A-[FHCR]			
			