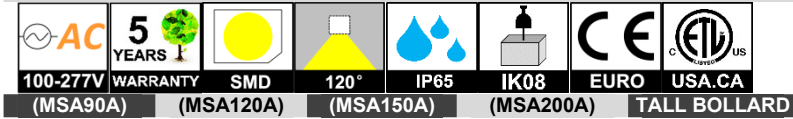


GTG5146A: LED GARDEN LIGHT

INTRODUCTION



FEATURE

Perfect Luminaires for Driveways and Footpaths
Pleasantly Uniform Light Effects
Suitable for Areas Without Risk of Vandalism
Long Lifespan Design >50,000hours
Working Temperature: -30°C~50°C

MAIN MATERIAL

LED Brand: GUBO
Remote Driver Brand: GUBO
Housing: Die-casted Aluminum
Optics: Nano Opal PC Lens
[BDC]Diffuser: Anti-UV PC Clear Diffuser
[BDM]Diffuser: Anti-UV PC Opal Diffuser

INSTALLATION

Suitable for Interior & Exterior Lighting
[FWA]: Wall Surface Mounted
[FWH]: Updown Lighting Wall Surface Mounted
[FSC]: Slip Fitter Mounted
[FJP]: Fixing Plate on JBOX/Outlet Box
[PSA]: Aluminum Straight Bollard

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

STANDARD

Designed and Manufactured to Comply with CE/RoHS/CB/cETL/SAA/SASO Standard
IP65 Protection, Class I Electric

OPTIONS

LED CCT: 1,600K~10,000K/R/G/B/Y
[CRI]: [E] RA80, [G] RA90, [H] RA97(RG0)(RG0)
Working Temperature[M40C]: -40°C~50°C
F1: Custom Housing Finish Colors by RAL Code

WHITE RAL9010P	BLACK RAL9005P	DARK GREY RAL7016P	GREY RAL7043P	PEARL GREY RAL9022P
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MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	OPTIONAL DIMMING	INPUT [V]
GTG5146A-MSA90A5R	12W [15W] [10W] [7W]	CXM-6 COB	G2700K	RA90	310	>0.9	[Asymmetric] BAS24D:24° BAS38D:38° BAS60D:60° BAS90D:90°	Following by Remote Driver [Inside Bollard] [CDN]: Non-dimmable [CDT]: TRIAC(10%) [CDV]: 0/1~10V(8%) [CDV0]: 0~10V(1%) [CDV1]: 1~10V(10%) [CDA]: DALI(1%) [CDX]: DMX512(1%) [+CDP]: PWM(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz
			G3000K	RA90	320				
			G3500K	RA90	320				
			G4000K	RA90	340				
			G5000K	RA90	340				
			G6000K	RA90	320				
GTG5146A-MSA120A5R	20W [30W] [25W]	CXM-9 COB	G2700K	RA90	520	>0.9	[Asymmetric] BAS24D:24° BAS38D:38° BAS60D:60° BAS90D:90°	Following [Sensor] [CSL]: Photocell Lux Sensor	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz
			G3000K	RA90	540				
			G3500K	RA90	540				
			G4000K	RA90	570				
			G5000K	RA90	570				
			G6000K	RA90	540				
GTG5146A-MSA150A5R	40W [50W] [30W] [25W] [20W]	CXM-14 COB	G2700K	RA90	1040	>0.9	[Asymmetric] BAS24D:24° BAS38D:38° BAS60D:60° BAS90D:90°	[CSPD]: Big-level PIR Motion Sensor	[+CV DC12V] [+CV DC24V] [+CV DC42V]
			G3000K	RA90	1080				
			G3500K	RA90	1080				
			G4000K	RA90	1130				
			G5000K	RA90	1130				
			G6000K	RA90	1050				
GTG5146A-MSA200A5R	60W [80W] [50W] [40W] [30W]	CXM-14 COB	G2700K	RA90	1560	>0.9	[Asymmetric] BAS24D:24° BAS38D:38° BAS60D:60° BAS90D:90°	Following by Remote Driver [Outside Bollard] [CDX]: DMX512(1%) [CDS]: SPI(1%) [CRZ]: ZIGBEE(1%) [CRF]: 2.4G RF(1%) [CRB]: Bluetooth(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz
			G3000K	RA90	1630				
			G3500K	RA90	1630				
			G4000K	RA90	1700				
			G5000K	RA90	1700				
			G6000K	RA90	1630				
2C@12W	TWG	G2700K	G6000K	RA90	230	>0.9			
2C@20W	TWG	G2700K	G6000K	RA90	460	>0.9			
2C@40W	TWG	G2700K	G6000K	RA90	930	>0.9			
2C@60W	TWG	G2700K	G6000K	RA90	1390	>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.

GTG5146A: LED GARDEN LIGHT

SPECIFICATION




MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	OPTIONAL DIMMING	INPUT [V]
GTG5146A-MSA90A1	12W [15W] [10W] [7W]	48x0.5W SMD2835	G1800K	RA90	340	>0.9	[Asymmetric] BAS90D:90°	Following by Remote Driver [Inside Bollard] [CDN]: Non-dimmable [CDT]: TRIAC(10%) [CDV]: 0/1~10V(8%) [CDV0]: 0~10V(1%) [CDV1]: 1~10V(10%) [CDA]: DALI(1%) [CDX]: DMX512(1%) [+CDP]: PWM(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V] [+CV DC42V]
			G2200K	RA90	380				
			G2500K	RA90	420				
			G2700K	RA90	440				
			G3000K	RA90	470				
			G3500K	RA90	470				
			G4000K	RA90	500				
			G5000K	RA90	500				
			G6000K	RA90	490				
			2C@12W	TWG	G2700K				
4C@12W	RGBWG	620nm	520nm	465nm	G2700K	\	440	>0.9	
4C@12W	RGBA	620nm	520nm	465nm	590nm	\	440	>0.9	
GTG5146A-MSA120A1	20W [30W] [20W] [15W]	120x0.5W SMD2835	G1800K	RA90	570	>0.9	[Asymmetric] BAS90D:90°	Following by Remote Driver [Inside Bollard] [CDN]: Non-dimmable [CDT]: TRIAC(10%) [CDV]: 0/1~10V(8%) [CDV0]: 0~10V(1%) [CDV1]: 1~10V(10%) [CDA]: DALI(1%) [CDX]: DMX512(1%) [+CDP]: PWM(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V] [+CV DC42V]
			G2200K	RA90	630				
			G2500K	RA90	700				
			G2700K	RA90	740				
			G3000K	RA90	790				
			G3500K	RA90	790				
			G4000K	RA90	830				
			G5000K	RA90	830				
			G6000K	RA90	820				
			2C@20W	TWG	G2700K				
4C@20W	RGBWG	620nm	520nm	465nm	G2700K	\	740	>0.9	
4C@20W	RGBA	620nm	520nm	465nm	590nm	\	740	>0.9	
GTG5146A-MSA150A1	40W [50W] [30W] [25W] [20W]	216x0.5W SMD2835	G1800K	RA90	1140	>0.9	[Asymmetric] BAS90D:90°	Following by Remote Driver [Inside Bollard] [CDN]: Non-dimmable [CDT]: TRIAC(10%) [CDV]: 0/1~10V(8%) [CDV0]: 0~10V(1%) [CDV1]: 1~10V(10%) [CDA]: DALI(1%) [CDX]: DMX512(1%) [+CDP]: PWM(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V] [+CV DC42V]
			G2200K	RA90	1260				
			G2500K	RA90	1400				
			G2700K	RA90	1480				
			G3000K	RA90	1570				
			G3500K	RA90	1570				
			G4000K	RA90	1660				
			G5000K	RA90	1660				
			G6000K	RA90	1640				
			2C@40W	TWG	G2700K				
4C@40W	RGBWG	620nm	520nm	465nm	G2700K	\	1480	>0.9	
4C@40W	RGBA	620nm	520nm	465nm	590nm	\	1480	>0.9	
GTG5146A-MSA200A1	60W [80W] [50W] [40W] [30W]	288x0.5W SMD2835	G1800K	RA90	1710	>0.9	[Asymmetric] BAS90D:90°	Following by Remote Driver [Inside Bollard] [CDN]: Non-dimmable [CDT]: TRIAC(10%) [CDV]: 0/1~10V(8%) [CDV0]: 0~10V(1%) [CDV1]: 1~10V(10%) [CDA]: DALI(1%) [CDX]: DMX512(1%) [+CDP]: PWM(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V] [+CV DC42V]
			G2200K	RA90	1900				
			G2500K	RA90	2110				
			G2700K	RA90	2220				
			G3000K	RA90	2360				
			G3500K	RA90	2360				
			G4000K	RA90	2500				
			G5000K	RA90	2500				
			G6000K	RA90	2460				
			2C@60W	TWG	G2700K				
4C@60W	RGBWG	620nm	520nm	465nm	G2700K	\	2220	>0.9	
4C@60W	RGBA	620nm	520nm	465nm	590nm	\	2220	>0.9	
GTG5146A-MSA250A1	80W [100W] [60W] [50W] [40W]	360x0.5W SMD2835	G1800K	RA90	2280	>0.9	[Asymmetric] BAS90D:90°	Following by Remote Driver [Inside Bollard] [CDN]: Non-dimmable [CDT]: TRIAC(10%) [CDV]: 0/1~10V(8%) [CDV0]: 0~10V(1%) [CDV1]: 1~10V(10%) [CDA]: DALI(1%) [CDX]: DMX512(1%) [+CDP]: PWM(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V] [+CV DC42V]
			G2200K	RA90	2530				
			G2500K	RA90	2810				
			G2700K	RA90	2960				
			G3000K	RA90	2960				
			G3500K	RA90	3150				
			G4000K	RA90	3150				
			G5000K	RA90	3330				
			G6000K	RA90	3330				
			2C@40W	TWG	G2700K				
4C@40W	RGBWG	620nm	520nm	465nm	G2700K	\	2960	>0.9	
4C@40W	RGBA	620nm	520nm	465nm	590nm	\	2960	>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.


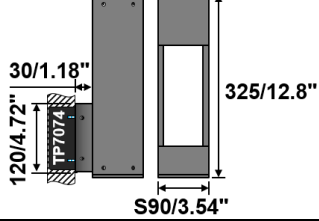

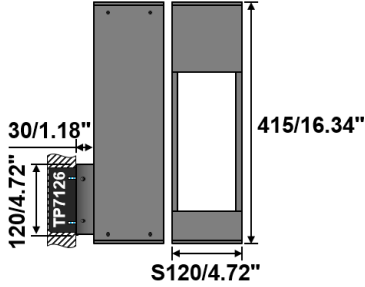


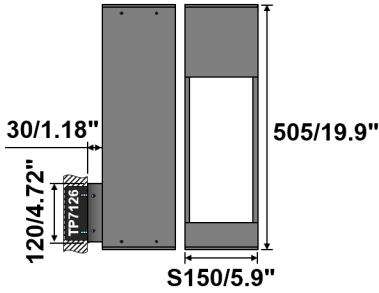

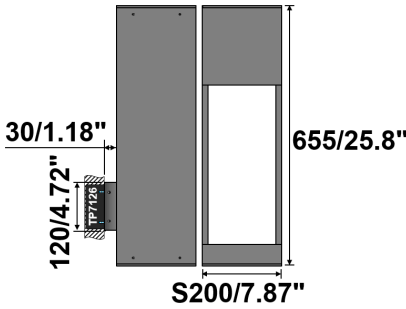
GTG5146A: LED GARDEN LIGHT

SPECIFICATION

MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	OPTIONAL DIMMING	INPUT [V]
GTG5146A-MSA90A2A	12W [15W] [10W] [7W]	24x2W SMD3030	G1800K	RA90	250	>0.9			
			G2200K	RA90	280				
			G2500K	RA90	310				
			G2700K	RA90	330				
			G3000K	RA90	350				
			G3500K	RA90	350				
			G4000K	RA90	380				
			G5000K	RA90	380				
			G6000K	RA90	370				
			2C@12W	TWG	G2700K				
4C@12W	RGBWG	620nm	520nm	465nm	G2700K	\	330	>0.9	
4C@12W	RGBA	620nm	520nm	465nm	590nm	\	330	>0.9	
GTG5146A-MSA120A2A	20W [30W] [20W] [15W]	24x2W SMD3030	G1800K	RA90	420	>0.9		Following by Remote Driver [Inside Bollard] [CDN]: Non-dimmable [CDT]: TRIAC(10%) [CDV]: 0/1~10V(8%) [CDV0]: 0~10V(1%) [CDV1]: 1~10V(10%) [CDA]: DALI(1%) [CDX]: DMX512(1%) [+CDP]: PWM(1%)	
			G2200K	RA90	460				
			G2500K	RA90	520				
			G2700K	RA90	550				
			G3000K	RA90	590				
			G3500K	RA90	590				
			G4000K	RA90	630				
			G5000K	RA90	630				
			G6000K	RA90	620				
			2C@20W	TWG	G2700K				
4C@20W	RGBWG	620nm	520nm	465nm	G2700K	\	550	>0.9	
4C@20W	RGBA	620nm	520nm	465nm	590nm	\	550	>0.9	
GTG5146A-MSA150A2A	40W [50W] [30W] [25W] [20W]	60x2W SMD3030	G1800K	RA90	840	>0.9	[Asymmetric] BAS30D:30° BAS60D:60° BAS90D:90°	Following [Sensor] [CSL]: Photocell Lux Sensor  [CSPD]: Big-level PIR Motion Sensor  [CSMD]: Big-level Microwave Motion Sensor 	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V] [+CV DC42V]
			G2200K	RA90	930				
			G2500K	RA90	1040				
			G2700K	RA90	1090				
			G3000K	RA90	1180				
			G3500K	RA90	1180				
			G4000K	RA90	1260				
			G5000K	RA90	1260				
			G6000K	RA90	1240				
			2C@40W	TWG	G2700K				
4C@40W	RGBWG	620nm	520nm	465nm	G2700K	\	1090	>0.9	
4C@40W	RGBA	620nm	520nm	465nm	590nm	\	1090	>0.9	
GTG5146A-MSA200A2A	60W [80W] [50W] [40W] [30W]	96x2W SMD3030	G1800K	RA90	1260	>0.9		Following by Remote Driver [Outside Bollard] [CDX]: DMX512(1%) [CDS]: SPI(1%) [CRZ]: ZIGBEE(1%) [CRF]: 2.4G RF(1%) [CRB]: Bluetooth(1%)	
			G2200K	RA90	1400				
			G2500K	RA90	1550				
			G2700K	RA90	1640				
			G3000K	RA90	1760				
			G3500K	RA90	1760				
			G4000K	RA90	1900				
			G5000K	RA90	1900				
			G6000K	RA90	1850				
			2C@60W	TWG	G2700K				
4C@60W	RGBWG	620nm	520nm	465nm	G2700K	\	1640	>0.9	
4C@60W	RGBA	620nm	520nm	465nm	590nm	\	1640	>0.9	
GTG5146A-MSA250A2A	80W [100W] [60W] [50W] [40W]	144x2W SMD3030	G1800K	RA90	1680	>0.9			
			G2200K	RA90	1870				
			G2500K	RA90	2070				
			G2700K	RA90	2180				
			G3000K	RA90	2350				
			G3500K	RA90	2350				
			G4000K	RA90	2520				
			G5000K	RA90	2520				
			G6000K	RA90	2470				
			2C@40W	TWG	G2700K				
4C@40W	RGBWG	620nm	520nm	465nm	G2700K	\	2180	>0.9	
4C@40W	RGBA	620nm	520nm	465nm	590nm	\	2180	>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.


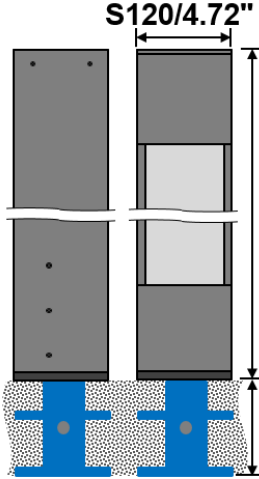

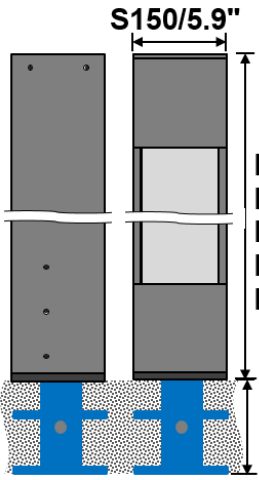

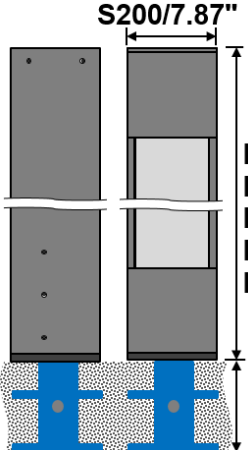
[FWA] Wall Surface Mounted Light		DIMENSION:[UNIT: MM]
NOTES: Customs Engraved Pattern and Glare shield Referred to Another Specifications. NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.		
(MSA90A)-[FWA]	DIMENSION	
		
(MSA120A)-[FWA]	DIMENSION	
		
(MSA150A)-[FWA]	DIMENSION	
		
(MSA20A)-[FWA]	DIMENSION	
		




SPECIFICATION

GTG5146A-MSA: SQUARE LED GAREN LIGHT

[FWR] Wall Recessed Light		DIMENSION:[UNIT: MM]
<p>NOTES: Customs Engraved Pattern and Glare shield Referred to Another Specifications.</p> <p>NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.</p>		
(MSA90A)-[FWR]	DIMENSION	
	<p>[FNE] L75/3"</p> <p>S90/3.54"</p> <p>[FWR]</p> <ul style="list-style-type: none"> L325/12.8" L505/19.9" L685/27" L865/34" L1045/41.2" L1225/48.3" L1585/62.4" L1945/76.6" L2304/90.8" 	
(MSA120A)-[FWR]	DIMENSION	
	<p>[FNE] L75/3"</p> <p>S120/4.72"</p> <p>[FWR]</p> <ul style="list-style-type: none"> L415/16.4" L655/25.8" L895/35.3" L1375/54.2" L1615/63.6" L2095/82.5" L2575/101.4" 	
(MSA150A)-[FWR]	DIMENSION	
	<p>[FNE] L75/3"</p> <p>S150/5.9"</p> <p>[FWR]</p> <ul style="list-style-type: none"> L355/14" L505/19.9" L655/25.8" L805/31.7" L955/37.6" L1105/43.5" L1555/61.2" L2005/80" L2455/96.7" 	
(MSA200A)-[FWR]	DIMENSION	
	<p>[FNE] L75/3"</p> <p>S200/7.87"</p> <p>[FWR]</p> <ul style="list-style-type: none"> L455/18" L655/25.8" L855/33.7" L1055/41.6" L1255/49.5" L1455/57.3" L1855/73" L2455/96.7" L3055/120.3" L3455/136" 	

[FLC]-[FNE] Bollard Light		DIMENSION:[UNIT: MM]
NOTES: Customs Engraved Pattern and Glare shield Referred to Another Specifications. NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.		
(MSA90A)-[FLC]-[FNE]	DIMENSION	CASE STUDY
	S90/3.54" [FLC] L330/13" L510/20.1" L690/27.2" L870/34.3" L1050/41.4" L1230/48.4" [FNE] L125/5"	
(MSA120A)-[FLC]-[FNE]	DIMENSION	CASE STUDY
	S120/4.72" [FLC] L420/16.5" L660/26" L900/35.4" L1140/44.9" L1380/54.3" L1620/63.8" [FNE] L125/5"	
(MSA150A)-[FLC]-[FNE]	DIMENSION	CASE STUDY
	S150/5.9" [FLC] L510/20.1" L810/31.9" L1110/43.7" L1410/55.5" [FNE] L125/5"	
(MSA200A)-[FLC]-[FNE]	DIMENSION	CASE STUDY
	S200/7.87" [FLC] L460/18" L660/26" L1060/41.7" L1460/57.5" [FNE] L125/5"	

[FLC]-[FNA] Tall Bollard Light		DIMENSION:[UNIT: MM]	
NOTES:	Customs Engraved Pattern and Glare shield Referred to Another Specifications.		
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.		
(MSA120A)-[FLC]-[FNA]	DIMENSION	CASE STUDY	
	 <p>[FLC] L2040/80.4" L2400/94.5" L3000/118.1"</p> <p>[FNA] L380/15"</p>		
(MSA150A)-[FLC]-[FNA]	DIMENSION	CASE STUDY	
	 <p>[FLC] L1800/70.9" L2100/82.7" L2400/94.5" L3000/118.1" L3600/141.7"</p> <p>[FNA] L510/20"</p>		
(MSA200A)-[FLC]-[FNA]	DIMENSION	CASE STUDY	
	 <p>[FLC] L1800/70.9" L2000/78.7" L2400/94.5" L3000/118.1" L3600/141.7"</p> <p>[FNA] L510/20"</p>		

[FLC]-[PSA]-[FNA] Tall Bollard Light		DIMENSION:[UNIT: MM]	
NOTES:	Customs Engraved Pattern and Glare shield Referred to Another Specifications.		
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.		
(MSA120A)-[FLC]-[PSA]-[FNA]	DIMENSION	CASE STUDY	
	<p>S120/4.72"</p> <p>[FLC] L655/25.8" L895/35.3" L1375/54.2" L1615/63.6" L2095/82.5" L2575/101.4"</p> <p>[PSA] L620/24.4" L920/36.2" L1220/48" L1520/60" L1820/71.7"</p> <p>[FNA] L380/15"</p>		
(MSA150A)-[FLC]-[PSA]-[FNA]	DIMENSION	CASE STUDY	
	<p>S150/5.9"</p> <p>[FLC] L655/25.8" L955/37.6" L1105/43.5" L1555/61.2" L2005/80" L2455/96.7"</p> <p>[PSA] L620/24.4" L920/36.2" L1220/48" L1520/60" L1820/71.7"</p> <p>[FNA] L510/20"</p>		
(MSA200A)-[FLC]-[PSA]-[FNA]	DIMENSION	CASE STUDY	
	<p>S200/7.87"</p> <p>[FLC] L655/25.8" L855/33.7" L1055/41.6" L1255/49.5" L1455/57.3" L1855/73" L2455/96.7"</p> <p>[PSA] L620/24.4" L920/36.2" L1220/48" L1520/60" L1820/71.7"</p> <p>[FNA] L510/20"</p>		