INTRODUCTION

GTG2109A-MCA: GIMBAL LED GAREN SPOTLIGHT

FEATURE
- Durable Optimized LED Lighting
- Skilled Manufacturing Technology
- Long Lifespan ＞50,000hours
- Working Temperature: -30℃~50℃

MAIN MATERIAL
- LED Brand: GUBO
- Driver Brand: GUBO
- Housing: Die-casted Aluminum
- Optics: High Efficiency PC Lens
- Diffuser: Clear Tempered Glass Diffuser

INSTALLATION
- Tilt Adjustable ±45°, Horizontal Rotation 355°
- Suitable for Architecture Illumination, Like Balcony, Veranda, External Wall…
- **[FFS]**: Flush Surface Mounted
- **[FPS]**: Stem Pendant
- **[FPC]**: Catenary Pendant
- **[FWA]**: Wall Surface Mounted
- **[FWH]**: Up&Down Wall Surface Mouted Light
- **[FJP]**: Fixing Plate on JBOX/Outlet Box

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

STANDARD
- Designed and Manufactured to Comply with TUV/CB/CE/RoHS/SAA/Erp/cETL/FCC
- IP65 Protection, Class Ⅰ Electrical

OPTION
- LED CCT: 1,600K~10,000K/R/G/B/Y
- Personal Eye Protection Standard: RG0 (EN166:2001)
- LED Grown Light: **Full Spectrum** 380nm~840nm
- [CRI]: [E] RA80, [G] RA90, [H] RA97(RG0)
- [SFH]: Custom Housing Finish Colors by RAL Code
- [SFB]: Custom Baffle Finish Colors by RAL Code

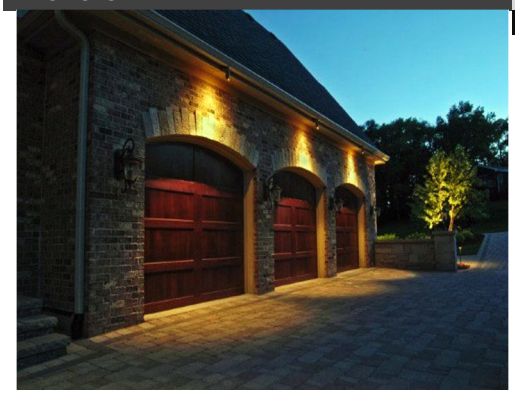
WHITE	BLACK	DARK GREY	GREY	PEARL GREY
RAL9010P	RAL9005P	RAL7016P	RAL7043P	RAL9022P

AC 100-277V | 30 YEARS WARRANTY | RGBW | 15/24/36/60° | IP65 | IK06 | CE EURO | ETL c US USA.CA

[FFS] [FFS] [FPS] [FWH] UP&DOWN

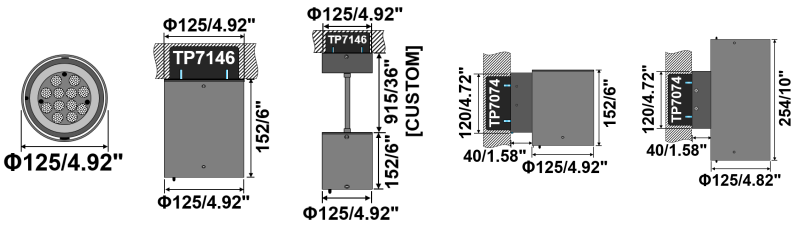
(MCA125A)

CASE STUDY



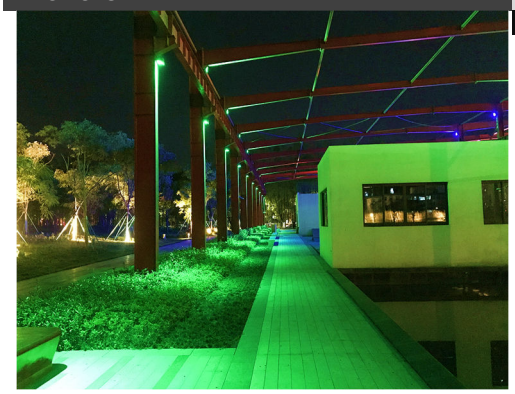
DIMENSION: 【UNIT: MM】

FRONTVIEW [FFS] [FPS] [FWA] [FWH]



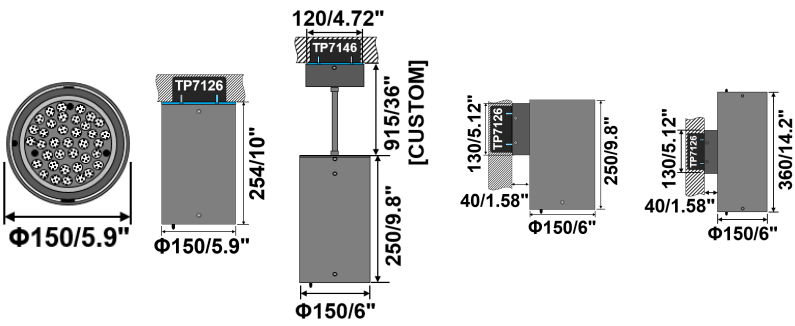
(MCA150A)

CASE STUDY



DIMENSION: 【UNIT: MM】

FRONTVIEW [FFS] [FPS] [FWA] [FWH]



SPECIFICATION

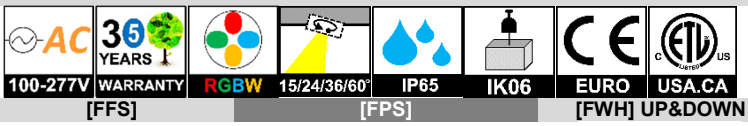
GTG2109A-MCA: GIMBAL LED GAREN SPOTLIGHT

MODEL	POWER【W】	LED TYPE	CCT【K】	CRI	FLUX【LM】	POWER FACTOR	BEAM ANGLE	CUSTOM DIMMING	INPUT【V】
GTG2109A-**MCA125A1N**	20W [12W]	96x1W SMD2835	E2700K	RA80	2290	>0.9	[OPAL] BDM:120°	[CDN]:Non-Dim	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz
			E3000K	RA80	2880			[CDT]:TRIAC(10%)	
			E4000K	RA80	3090			[CDV]:0/1~10V(8%)	
			E5000K	RA80	3090			[CDV0]:0~10V(1%)	
			E6500K	RA80	3020			[CDV1]:1~10V(10%)	
	2C@20W	TWE	E2700K E6500K	RA80	1980	>0.9		[CDA]:DALI(1%)	
	4C@20W	RGBW	620nm 520nm 460nm E2700K	\	1980	>0.9		[✚CDP]:PWM(1%)	
	20W [12W]	96x1W SMD2835	G2700K	RA90	1890	>0.9	[Prismatic] BDP:110°		
			G3000K	RA90	2000				
			G3500K	RA90	2000				
			G4000K	RA90	2170				
			G5000K	RA90	2170				
			G6500K	RA90	2140				
	2C@20W	TWG	G2700K G6500K	RA90	1680	>0.9		Following by Remote Driver	
GTG2109A-**MCA125A2B**	15W [12W]	12x2W SMD3030	E2700K	RA80	1260	>0.9	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° BL90D:90° BL120D:120°	[CDX]:DMX512(1%) [CRZ]:ZIGBEE(1%) [CRF]:2.4G RF(1%) [CRB]:Bluetooth(1%) [CDS]:SPI(1%)	[✚CV DC12V] [✚CV DC24V] [✚CV DC42V]
			E3000K	RA80	1340				
			E4000K	RA80	1420				
			E5000K	RA80	1420				
			E6500K	RA80	1390				
	2C@15W	TWE	E2700K E6500K	RA80	860	>0.9		Following [Sensor]	
	15W [12W]	12x2W SMD3030	G2700K	RA90	1000	>0.9		[CSL]: Photocell Lux Sensor	
			G3000K	RA90	1080				
			G3500K	RA90	1080				
			G4000K	RA90	1170				
			G5000K	RA90	1170				
			G6500K	RA90	1140				
	2C@15W	TWG	G2700K G6500K	RA90	780	>0.9			
GTG2109A-**MCA125A3B**	20W [12W]	12x10W SMD3535	E2700K	RA80	1830	>0.9	[Oval] BLV15x45° BLV15x60°	[CSPD]: Big-level PIR Motion Sensor	
			E3000K	RA80	1950				
			E4000K	RA80	2060				
			E5000K	RA80	2060				
			E6500K	RA80	2030				
	2C@20W	TWE	E2700K E6500K	RA80	1110	>0.9	[LOUVER] BGL		
	3C@20W	RGB	620nm 520nm 460nm	\	1110	>0.9	LM-25%	[CSMD]: Big-level Microwave Motion Sensor	
	4C@20W	RGBW	620nm 520nm 460nm E2700K	\	1110	>0.9			
	20W [12W]	12x10W SMD3535	G2700K	RA90	1350	>0.9			
			G3000K	RA90	1370				
			G3500K	RA90	1370				
			G4000K	RA90	1550				
			G5000K	RA90	1550				
			G6500K	RA90	1510				
	2C@20W	TWG	G2700K G6500K	RA90	1000	>0.9			
GTG2109A-**MCA150A1N**	50W [40W] [25W]	144x1W SMD2835	E2700K	RA80	5490	>0.9	[OPAL] BDM:120°	[CDN]:Non-Dim	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz
			E3000K	RA80	5770			[CDT]:TRIAC(10%)	
			E4000K	RA80	6180			[CDV]:0/1~10V(8%)	
			E5000K	RA80	6180			[CDV0]:0~10V(1%)	
			E6500K	RA80	6040			[CDV1]:1~10V(10%)	
	2C@50W	TWE	E2700K E6500K	RA80	4460	>0.9		[CDA]:DALI(1%)	
	4C@50W	RGBW	620nm 520nm 460nm E2700K	\	3540	>0.9		[✚CDP]:PWM(1%)	
	50W [40W] [25W]	144x1W SMD2835	G2700K	RA90	4530	>0.9	[Prismatic] BDP:110°		
			G3000K	RA90	4810				
			G3500K	RA90	4810				
			G4000K	RA90	5220				
			G5000K	RA90	5220				
			G6500K	RA90	5140				
	2C@50W	TWG	G2700K G6500K	RA90	3790	>0.9		Following by Remote Driver	
GTG2109A-**MCA150A2B**	35W [30W] [25W] [20W]	36x2W SMD3030	E2700K	RA80	3240	>0.9	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° BL90D:90° BL120D:120°	[CDX]:DMX512(1%) [CRZ]:ZIGBEE(1%) [CRF]:2.4G RF(1%) [CRB]:Bluetooth(1%) [CDS]:SPI(1%)	[✚CV DC12V] [✚CV DC24V] [✚CV DC42V]
			E3000K	RA80	3440				
			E4000K	RA80	3650				
			E5000K	RA80	3650				
			E6500K	RA80	3580				
	35W [30W] [25W] [20W]	36x2W SMD3030	G2700K	RA90	2300	>0.9		Following [Sensor]	
			G3000K	RA90	2330			[CSL]: Photocell Lux Sensor	
			G3500K	RA90	2330				
			G4000K	RA90	2630				
			G5000K	RA90	2630				
			G6500K	RA90	2570				
GTG2109A-**MCA150A3B**	50W [40W] [25W]	36x10W SMD3535	E2700K	RA80	4150	>0.9	[Oval] BLV15x45° BLV15x60°	[CSPD]: Big-level PIR Motion Sensor	
			E3000K	RA80	4410				
			E4000K	RA80	4670				
			E5000K	RA80	4670				
			E6500K	RA80	4590				
	2C@50W	TWE	E2700K E6500K	RA80	2100	>0.9	[LOUVER] BGL		
	3C@50W	RGB	620nm 520nm 460nm	\	2100	>0.9	LM-25%	[CSMD]: Big-level Microwave Motion Sensor	
	4C@50W	RGBW	620nm 520nm 460nm E2700K	\	2100	>0.9			
	50W [40W] [25W]	36x10W SMD3535	G2700K	RA90	3060	>0.9			
			G3000K	RA90	3110				
			G3500K	RA90	3110				
			G4000K	RA90	3500				
			G5000K	RA90	3500				
			G6500K	RA90	3580				
	2C@50W	TWG	G2700K G6500K	RA90	1900	>0.9			

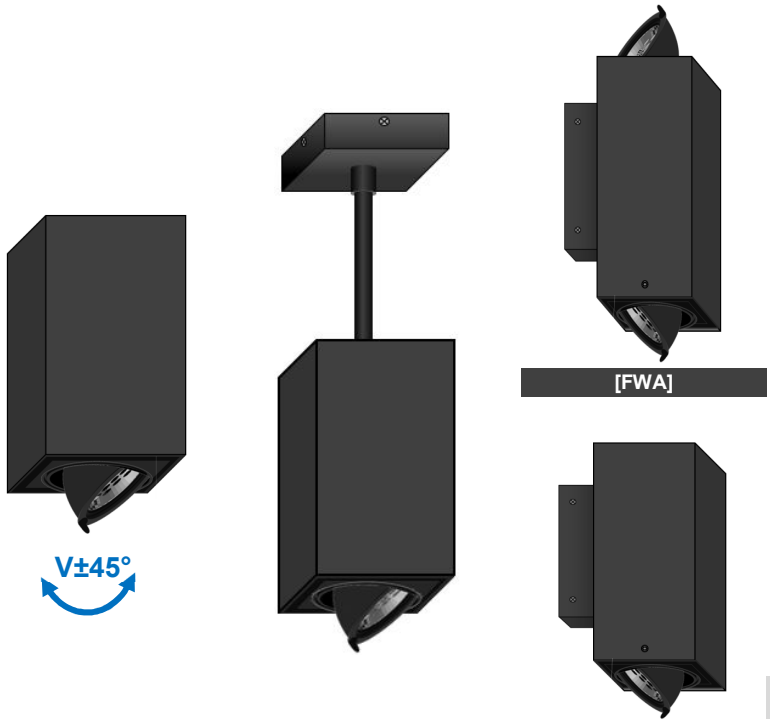
NOTE:

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

GTG2109A-MSA: GIMBAL LED GAREN SPOTLIGHT



[FFS] [FPS] [FWH] UP&DOWN



INTRODUCTION

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- Skilled Manufacturing Technology
- Long Lifespan ＞50,000hours
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MAIN MATERIAL
- LED Brand: GUBO
- Driver Brand: GUBO
- Housing: Die-casted Aluminum
- Optics: High Efficiency PC Lens
- Diffuser: Clear Tempered Glass Diffuser

INSTALLATION
- Tilt Adjustable ±45°, Horizontal Rotation 355°
- Suitable for Architecture Illumination, Like Balcony, Veranda, External Wall…
- **[FFS]**: Flush Surface Mounted
- **[FPS]**: Stem Pendant
- **[FPC]**: Catenary Pendant
- **[FWA]**: Wall Surface Mounted
- **[FWH]**: Up&Down Wall Surface Mouted Light
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NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.

STANDARD
- Designed and Manufactured to Comply with TUV/CB/CE/RoHS/SAA/Erp/cETL/FCC
- IP65 Protection, Class Ⅰ Electrical

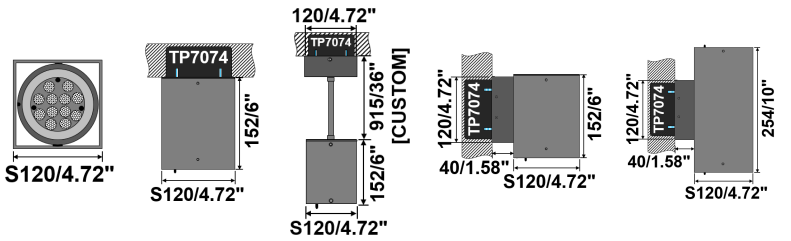
OPTION
- LED CCT: 1,600K~10,000K/R/G/B/Y
- Personal Eye Protection Standard: RG0 (EN166:2001)
- LED Grown Light: **Full Spectrum** 380nm~840nm
- [CRI]: [E] RA80, [G] RA90, [H] RA97(RG0)
- [SFH]: Custom Housing Finish Colors by RAL Code
- [SFB]: Custom Baffle Finish Colors by RAL Code

WHITE	BLACK	DARK GREY	GREY	PEARL GREY
RAL9010P	RAL9005P	RAL7016P	RAL7043P	RAL9022P

(MSA120A)

DIMENSION: 【UNIT: MM】

FRONTVIEW [FFS] [FPS] [FWA] [FWH]

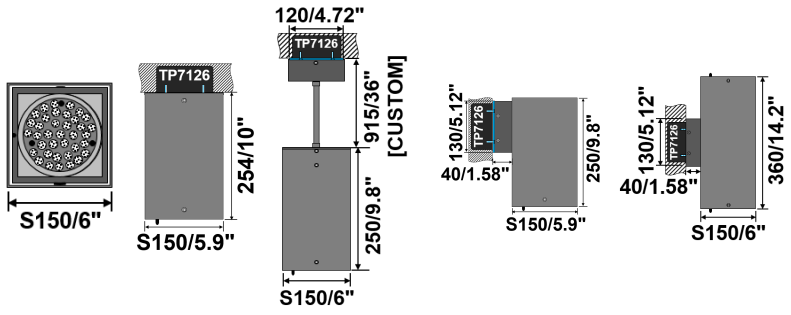


CASE STUDY

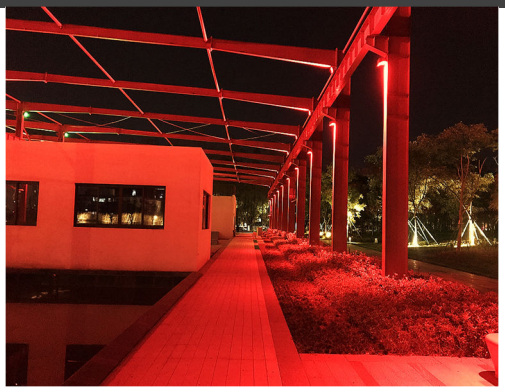
(MSA150A)

DIMENSION: 【UNIT: MM】

FRONTVIEW [FFS] [FPS] [FWA] [FWH]

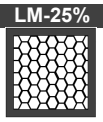
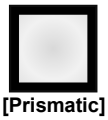


CASE STUDY



GTG2109A-MSA: GIMBAL LED GAREN SPOTLIGHT

INTRODUCTION

MODEL	POWER【W】	LED TYPE	CCT【K】	CRI	FLUX【LM】	POWER FACTOR	BEAM ANGLE	CUSTOM DIMMING	INPUT【V】
GTG2109A-**MSA120A1N**	20W [12W]	96x1W SMD2835	E2700K	RA80	2290	>0.9	[OPAL] BDM:120°  **[Prismatic]** **BDP**:110° 	[CDN]:Non-Dim [CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%) [CDA]:DALI(1%) [✚CDP]:PWM(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [✚CV DC12V] [✚CV DC24V] [✚CV DC42V]
			E3000K	RA80	2880				
			E4000K	RA80	3090				
			E5000K	RA80	3090				
			E6500K	RA80	3020				
	2C@20W	TWE	E2700K E6500K	RA80	1980	>0.9			
	4C@20W	RGBW	620nm 520nm 460nm E2700K	\	1980	>0.9			
	20W [12W]	96x1W SMD2835	G2700K	RA90	1890	>0.9			
			G3000K	RA90	2000				
			G3500K	RA90	2000				
			G4000K	RA90	2170				
			G5000K	RA90	2170				
			G6500K	RA90	2140				
	2C@20W	TWG	G2700K G6500K	RA90	1680	>0.9			
GTG2109A-**MSA120A2B**	15W [12W]	12x2W SMD3030	E2700K	RA80	1260	>0.9	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° BL90D:90° BL120D:120°	Following by Remote Driver [CDX]:DMX512(1%) [CRZ]:ZIGBEE(1%) [CRF]:2.4G RF(1%) [CRB]:Bluetooth(1%) [CDS]:SPI(1%)	
			E3000K	RA80	1340				
			E4000K	RA80	1420				
			E5000K	RA80	1420				
			E6500K	RA80	1390				
	2C@15W	TWE	E2700K E6500K	RA80	860	>0.9			
	15W [12W]	12x2W SMD3030	G2700K	RA90	1000	>0.9		**Following [Sensor]** **[CSL]**: Photocell Lux Sensor  **[CSPD]**: Big-level PIR Motion Sensor  **[CSMD]**: Big-level Microwave Motion Sensor 	
			G3000K	RA90	1080				
			G3500K	RA90	1080				
			G4000K	RA90	1170				
			G5000K	RA90	1170				
			G6500K	RA90	1140				
	2C@15W	TWG	G2700K G6500K	RA90	780	>0.9			
GTG2109A-**MSA120A3B**	20W [12W]	12x10W SMD3535	E2700K	RA80	1830	>0.9	[Oval] BLV15x45° BLV15x60° [**LOUVER**] BGL **LM-25%** 		
			E3000K	RA80	1950				
			E4000K	RA80	2060				
			E5000K	RA80	2060				
			E6500K	RA80	2030				
	2C@20W	TWE	E2700K E6500K	RA80	1110	>0.9			
	3C@20W	RGB	620nm 520nm 460nm	\	1110	>0.9			
	4C@20W	RGBW	620nm 520nm 460nm E2700K	\	1110	>0.9			
	20W [12W]	12x10W SMD3535	G2700K	RA90	1350	>0.9			
			G3000K	RA90	1370				
			G3500K	RA90	1370				
			G4000K	RA90	1550				
			G5000K	RA90	1550				
			G6500K	RA90	1510				
	2C@20W	TWG	G2700K G6500K	RA90	1000	>0.9			
GTG2109A-**MSA150A1N**	50W [40W] [30W]	144x1W SMD2835	E2700K	RA80	5490	>0.9	[OPAL] BDM:120°  **[Prismatic]** **BDP**:110° 	[CDN]:Non-Dim [CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%) [CDA]:DALI(1%) [✚CDP]:PWM(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [✚CV DC12V] [✚CV DC24V] [✚CV DC42V]
			E3000K	RA80	5770				
			E4000K	RA80	6180				
			E5000K	RA80	6180				
			E6500K	RA80	6040				
	2C@50W	TWE	E2700K E6500K	RA80	4460	>0.9			
	4C@50W	RGBW	620nm 520nm 460nm E2700K	\	3540	>0.9			
	50W [40W] [30W]	144x1W SMD2835	G2700K	RA90	4530	>0.9			
			G3000K	RA90	4810				
			G3500K	RA90	4810				
			G4000K	RA90	5220				
			G5000K	RA90	5220				
			G6500K	RA90	5140				
	2C@50W	TWG	G2700K G6500K	RA90	3790	>0.9			
GTG2109A-**MSA150A2B**	35W [30W] [25W] [20W]	36x2W SMD3030	E2700K	RA80	3240	>0.9	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° BL90D:90° BL120D:120°	Following by Remote Driver [CDX]:DMX512(1%) [CRZ]:ZIGBEE(1%) [CRF]:2.4G RF(1%) [CRB]:Bluetooth(1%) [CDS]:SPI(1%)	
			E3000K	RA80	3440				
			E4000K	RA80	3650				
			E5000K	RA80	3650				
			E6500K	RA80	3580				
	35W [30W] [25W] [20W]	36x2W SMD3030	G2700K	RA90	2300	>0.9		**Following [Sensor]** **[CSL]**: Photocell Lux Sensor  **[CSPD]**: Big-level PIR Motion Sensor  **[CSMD]**: Big-level Microwave Motion Sensor 	
			G3000K	RA90	2330				
			G3500K	RA90	2330				
			G4000K	RA90	2630				
			G5000K	RA90	2630				
			G6500K	RA90	2570				
GTG2109A-**MSA150A3B**	50W [40W]	36x10W SMD3535	E2700K	RA80	4150	>0.9	[Oval] BLV15x45° BLV15x60° [**LOUVER**] BGL **LM-25%** 		
			E3000K	RA80	4410				
			E4000K	RA80	4670				
			E5000K	RA80	4670				
			E6500K	RA80	4590				
	2C@50W	TWE	E2700K E6500K	RA80	2100	>0.9			
	3C@50W	RGB	620nm 520nm 460nm	\	2100	>0.9			
	4C@50W	RGBW	620nm 520nm 460nm E2700K	\	2100	>0.9			
	50W [40W]	36x10W SMD3535	G2700K	RA90	3060	>0.9			
			G3000K	RA90	3110				
			G3500K	RA90	3110				
			G4000K	RA90	3500				
			G5000K	RA90	3500				
			G6500K	RA90	3580				
	2C@50W	TWG	G2700K G6500K	RA90	1900	>0.9			

NOTE:

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