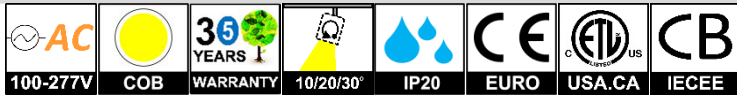
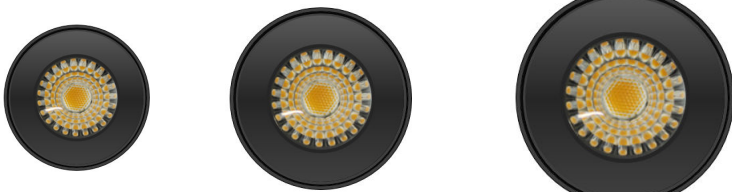


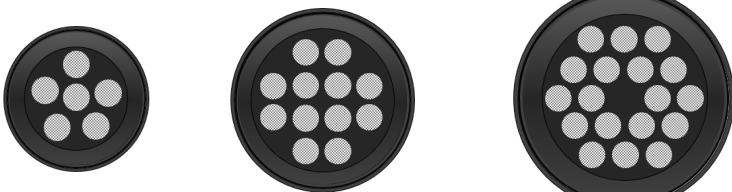
**GTR4102A: LED SPOTLIGHT**



MCA70A5L	MCA90A5L	MCA110A5L MCA110B5L
BL10°/20°/30°	BL10°/20°/30°	BL10°/20°/30°



MCA70A3B	MCA90A3B	MCA110A3B MCA110B3B
BL15°/30°/60°/90° BLV15x45° BLV15x60°	BL15°/30°/60°/90° BLV15x45° BLV15x60°	BL15°/30°/60°/90° BLV15x45° BLV15x60°



MCA90A2ES	MCA110A2ES MCA110B2ES
BL60°/90°	BL60°/90°



MCA90A2ES	MCA110A2ES MCA110B2ES
BLV60x90°	BLV60x90°



**INTRODUCTION**

**FEATURES**

Optimized Antiglare Deep Baffled Spotlight  
 Long Lifespan Design > 50,000hours  
 Working Ambient Temperature: -30°C~+50°C

**MATERIALS & FINISH**

LED Brand: LUMINUS&GUBO  
 Internal Driver Brand: GUBO  
 Housing: Aluminum Radiator Housing  
 Optics: Clear PMMA Lens  
 [FTK3] Fitment: 3-Wire Single Circuit

**INSTALLATION**

Suitable for Interior Ceiling Light, like Shop.....  
 Tilt Adjustable +90°, Horizontal Swivel 350°  
 [FTK2] Fitment: 2-Wire Single Circuit  
 [FTK4] Fitment: 4-Wire Three Circuit  
 [FTK4D] Fitment: 4-Wire Single Circuit, Dimming  
 [FTK6D] Fitment: 6-Wire Three Circuit, Dimming  
 [FRTS]: Recessed Trim Fixture  
 [FFS]: Flush Surface Mounted  
 [FPS]: Stem Pendant  
 [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/EMF/TUV/SA/Erp/cETL/FCC  
 IP20 Protection, Class II Electric

**OPTION**

LED CCT: 1800K~6500K/R/G/B/A  
 [CRI]: [E] RA80, [G] RA90, [H] RA97(RG0)  
 [CDV1-KB]: 0~10V Dimming Knob  
 [CDV2-KB]: 0~10V TW Dimming Knob

**F1: Custom Housing Color Finish: Colors by RAL code**

WHITE	BLACK	GREY	DARK GREY	BRASS
RAL9010P	RAL9005P	RAL7042P	RAL7016P	RAL1024P



**F3: Custom Baffle Color Finish: Colors by RAL code**

WHITE	BLACK	GREY	DARK GREY	BRASS
RAL9010P	RAL9005P	RAL7042P	RAL7016P	RAL1024P



**OPTIONAL ACCESSOIRES**

[BGL] Louver	[BGSC] Cylinder Shiled	[FFS] Surface Mounted	[FJP] Mounting Plate	[FRTS] Recessed Trim	[FTK] Track Fitment

**[BGC] Custom Lighting Guide Column**

[BGCC] Clear	[BGCF] Frosted	[BGCB] Clear Bulbble	[BGCS] Clear Stripe	DIMENSION: [UNIT: MM]

**GTR4102A: LED SPOTLIGHT**

**INTRODUCTION**

MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	LUMEN [LM]	POWER FACTOR	BEAM ANGLE	CONTROL MODE	INPUT [V]
GTR4102A-MCA70A5L	10W [7W]	CXM-6 COB	G2700K	RA90	840	> 0.9	[[Symmetric] BL10D:10° BL20D:20° BL30D:30°	[CDN]:Non-dimmable [+CDP]:PWM(1%) [CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%)	*AC100~277V [AC100~240V] [AC110~130V] [AC100~347V] 50/60Hz
			G3000K	RA90	880				
			G3500K	RA90	880				
			G4000K	RA90	920				
			G5000K	RA90	920				
	10W [7W]	CXM-6 COB	H2700K	RA97	760	> 0.9			
			H3000K	RA97	790				
			H3500K	RA97	790				
			H5000K	RA97	860				
			H6000K	RA97	860				
2C@10W	TWH	H2700K	H6000K	RA97	560	> 0.9			
2C@10W	RGBTWH	620nm 520nm 460nm	H2700K H6000K	/	560	> 0.5			
GTR4102A-MCA90A5L	15W [12W] [10W]	CXM-9 COB	G2700K	RA90	1170	> 0.9	[[Symmetric] BL30D:30°	[CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%) [CDX]:DMX512(1%) [CDA]:DALI(1%) [CDP]:PWM(1%) [CDS]:SPI (1%) [CRF]:2.4G RF(1%) [CRB]:Bluetooth(1%)	[+CV DC24V] [+CV DC42V]
			G3000K	RA90	1230				
			G3500K	RA90	1230				
			G4000K	RA90	1280				
			G5000K	RA90	1280				
	15W [12W] [10W]	CXM-9 COB	G6000K	RA90	1250	> 0.9			
			H2700K	RA97	1060				
			H3000K	RA97	1100				
			H3500K	RA97	1100				
			H4000K	RA97	1210				
2C@15W	TWH	H2700K	H6000K	RA97	780	> 0.9			
2C@15W	RGBTWH	620nm 520nm 460nm	H2700K H6000K	/	780	> 0.5			
GTR4102A-MCA110A5L	25W [20W] [15W]	CXM-9 COB	G2700K	RA90	1940	> 0.9	[[Symmetric] BL10D:10° BL20D:20° BL30D:30°	[CDN]:Non-dimmable [+CDP]:PWM(1%) [CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%)	*AC100~277V [AC100~240V] [AC110~130V] [AC100~347V] 50/60Hz
			G3000K	RA90	2020				
			G3500K	RA90	2020				
			G4000K	RA90	2100				
			G5000K	RA90	2100				
	25W [20W] [15W]	CXM-9 COB	G6000K	RA90	2050	> 0.9			
			H2700K	RA97	1820				
			H3000K	RA97	1880				
			H3500K	RA97	1880				
			H5000K	RA97	2070				
2C@25W	TWH	H2700K	H6000K	RA97	1350	> 0.9			
2C@25W	RGBTWH	620nm 520nm 460nm	H2700K H6000K	/	1350	> 0.5			
GTR4102A-MCA110B5L	35W [30W] [25W]	CXM-9 COB	G2700K	RA90	2900	> 0.9	[[Symmetric] BL30D:30°	[CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%) [CDX]:DMX512(1%) [CDA]:DALI(1%) [CDP]:PWM(1%) [CDS]:SPI (1%) [CRF]:2.4G RF(1%) [CRB]:Bluetooth(1%)	[+CV DC24V] [+CV DC42V]
			G3000K	RA90	3030				
			G3500K	RA90	3030				
			G4000K	RA90	3150				
			G5000K	RA90	3150				
	35W [30W] [25W]	CXM-9 COB	G6000K	RA90	3080	> 0.9			
			H2700K	RA97	2730				
			H3000K	RA97	2830				
			H3500K	RA97	2830				
			H4000K	RA97	3100				
2C@35W	TWH	H2700K	H6000K	RA97	2020	> 0.9			
2C@35W	RGBTWH	620nm 520nm 460nm	H2700K H6000K	/	2020	> 0.5			

MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	REMOTE CONTROL	INPUT [V]	
GTR4102A-MCA90A2ES	15W [12W] [10W]	24x2W SMD3030	E2700K	RA80	1580	> 0.9	[[Symmetric] BL60D:60° BL90D:90°	[CDN]:Non-dimmable [+CDP]:PWM(1%) [CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz	
			E3000K	RA80	1680					
			E3500K	RA80	1680					
			E4000K	RA80	1780					
			E5000K	RA80	1780					
	15W [12W] [10W]	24x2W SMD3030	SMD3030	E6500K	RA80	1750				> 0.9
				G2700K	RA90	1260				
				G3000K	RA90	1360				
				G3500K	RA90	1460				
				G4000K	RA90	1460				
2C@15W	TWG	G2700K	G6500K	RA90	1130	> 0.5				
3C@15W	RGB	620nm 520nm 460nm	2700K	/	1130	> 0.5				
4C@15W	RGBW	620nm 520nm 460nm	2700K	/	1130	> 0.5				
4C@15W	RGBA	620nm 520nm 460nm 590nm	/	1130	> 0.5					
GTR4102A-MCA110B2ES	35W [25W] [20W]	36x2W SMD3030	E2700K	RA80	3830	> 0.9	[[Oval] BLV60x90°	[CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%) [CDX]:DMX512(1%) [CDA]:DALI(1%) [CDP]:PWM(1%) [CDS]:SPI (1%) [CRF]:2.4G RF(1%) [CRB]:Bluetooth(1%)	[+CV DC12V] [+CV DC24V] [+CV DC36V] [+CV DC42V]	
			E3000K	RA80	4070					
			E3500K	RA80	4070					
			E4000K	RA80	4320					
			E5000K	RA80	4320					
	35W [25W] [20W]	36x2W SMD3030	SMD3030	E6500K	RA80	4240				> 0.9
				G2700K	RA90	3060				
				G3000K	RA90	3310				
				G3500K	RA90	3310				
				G4000K	RA90	3550				
2C@35W	TWG	G2700K	G6500K	RA90	2630	> 0.5				
3C@25W	RGB	620nm 520nm 460nm	/	2000	> 0.5					
4C@25W	RGBW	620nm 520nm 460nm 2700K	/	2000	> 0.5					
4C@25W	RGBA	620nm 520nm 460nm 590nm	/	2000	> 0.5					

**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.

MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	REMOTE CONTROL	INPUT [V]			
GTR4102A-MCA70A3B	10W [7W]	6x10W SMD3535	E2700K	RA80	1080	>0.9						
			E3000K	RA80	1150							
			E3500K	RA80	1150							
			E4000K	RA80	1250							
			E5000K	RA80	1250							
			E6500K	RA80	1240							
	10W [7W]	6x10W SMD3535	G2700K	RA90	790	>0.9						
			G3000K	RA90	820							
			G3500K	RA90	820							
			G4000K	RA90	890							
			G5000K	RA90	890							
			G6500K	RA90	870							
2C@10W	TWG	G2700K	G6500K	RA90	550	>0.5						
3C@10W	RGB	620nm	520nm	460nm	\	550	>0.5					
4C@10W	RGBW	620nm	520nm	460nm	2700K	\	550	>0.5				
4C@10W	RGBA	620nm	520nm	460nm	590nm	\	550	>0.5				
GTR4102A-MCA90A3B	15W [12W] [10W]	12x10W SMD3535	E2700K	RA80	1510	>0.9	<b>[Symmetric]</b> BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° BL90D:90°  <b>[Oval]</b> BLV15x45° BLV15x60° BLV20x60°					
			E3000K	RA80	1610							
			E3500K	RA80	1610							
			E4000K	RA80	1750							
			E5000K	RA80	1750							
			E6500K	RA80	1790							
	15W [12W] [10W]	12x10W SMD3535	G2700K	RA90	950	>0.9						
			G3000K	RA90	980							
			G3500K	RA90	980							
			G4000K	RA90	1100							
			G5000K	RA90	1100							
			G6500K	RA90	1060							
	2C@15W	TWG	G2700K	G6500K	RA90	920				>0.5		
	3C@15W	RGB	620nm	520nm	460nm	\				920	>0.5	
	4C@15W	RGBW	620nm	520nm	460nm	2700K				\	920	>0.5
	4C@15W	RGBA	620nm	520nm	460nm	590nm				\	920	>0.5
GTR4102A-MCA110B3B	35W [25W] [20W]	18x10W SMD3535	E2700K	RA80	3880	>0.9						
			E3000K	RA80	4120							
			E3500K	RA80	4120							
			E4000K	RA80	4490							
			E5000K	RA80	4490							
			E6500K	RA80	4470							
	35W [25W] [20W]	18x10W SMD3535	G2700K	RA90	2440	>0.9						
			G3000K	RA90	2520							
			G3500K	RA90	2520							
			G4000K	RA90	2830							
			G5000K	RA90	2830							
			G6500K	RA90	2730							
2C@35W	TWG	G2700K	G6500K	RA90	1970	>0.5						
3C@25W	RGB	620nm	520nm	460nm	\	1970	>0.5					
4C@25W	RGBW	620nm	520nm	460nm	2700K	\	1970	>0.5				
4C@25W	RGBA	620nm	520nm	460nm	590nm	\	1970	>0.5				

**NOTE:**


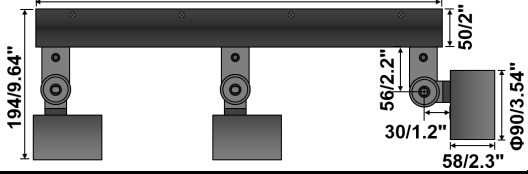

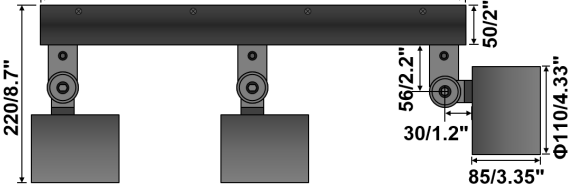
All parameters are measured at 25°C ambient temperature, 35% humidity experimental environment. Tolerances of power and luminous flux are ±10%, tolerance of color rendering index is ±5.




[CDN]:Non-dimmable  
 [+CDP]:PWM(1%)  
 [CDT]:TRIAC(10%)  
 [CDV]:0/1~10V(8%)  
 [CDV0]:0~10V(1%)  
 [CDV1]:1~10V(10%)  
  
**[TW/RGBW]**  
**[Following by Remote Driver]**  
 [CDV]:0/1~10V(8%)  
 [CDV0]:0~10V(1%)  
 [CDV1]:1~10V(10%)  
 [CDX]:DMX512(1%)  
 [CDA]:DALI(1%)  
 [CDP]:PWM(1%)  
 [CDS]:SPI (1%)  
 [CRF]:2.4G RF(1%)  
 [CRB]:Bluetooth(1%)

AC100~277V  
 [AC100~240V]  
 [AC100~347V]  
 50/60Hz  
  
 [+CV DC12V ]  
 [+CV DC24V ]  
 [+CV DC36V ]  
 [+CV DC42V ]

[FFS] Flush Surface Mounted		DIMENSION: [UNIT: MM]	
NOTES: Custom "PENDANT" Installation and Accessories Referred to Another Catalogue of Fixing Kits.			
MODEL: MCA70A	MCA70A-[FFS-C70H54A]	MCA70A-[FJP-C125A]	
MODEL: MCA70A	MCA90A-[FFS-C90H52A]	MCA90A-[FJP-C125A]	
MODEL: MCA110A	MCA110A-[FFS-C110H51A]	MCA110A-[FJP-C125A]	
MODEL: MCA110B	MCA110B-[FFS-C110H65A]	MCA110B-[FJP-C125A]	

[FSC25D-FCP-RA] Rectangle Driver Canopy		DIMENSION: [UNIT: MM]	
NOTES: Can Load Dimmable Drivers including DMX/CDV/CRF for [TW/RGBW/RGBCW]			
MODEL: MCA90A	[FSC25D-FCP-RA230W120A]	MODEL: MCA90A-MQ2S	[FSC25D-FCP-RA230W120A]
MODEL: MCA110B	[FSC25D-FCP-RA230W120A]	MODEL: MCA110B-MQ2S	[FSC25D-FCP-RA230W120A]

[FSC25D-FCP-RA] Rectangle Driver Canopy		DIMENSION: [UNIT: MM]
NOTES: Can Load Dimmable Drivers including DMX/CDV/CRF for [TW/RGBW/RGBCW]		
MODEL: MCA90A-MQ3S	[FSC25D-FCP-RA533W120A]	
		
MODEL: MCA110B-MQ3S	[FSC25D-FCP-RA533W120A]	
		

CASE GALLERY	DIMENSION: [UNIT: MM]
<p>[FFS]</p> 	<p>[FFS]</p> 
<p>[FTK]</p> 	<p>MQ3S-[FSC25D-FCP-RA533W120]</p> 
<p>[FJP]</p> 	<p>[FTK]</p> 