

**INTRODUCTION**

**FEATURE**

GUBO Unique Modular Waterproof Design  
 Optimized Low-glare Garden Lighting(**UGR16**)  
 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: High Efficiency PMMA Lens  
 Diffuser: Clear Tempered Glass

**INSTALLATION**

Suitable for Interior & Exterior Lighting  
**[FFS]**: Flush Surface Mounted  
**[FPS]**: Stem Pendant  
**[FPC]**: Catenary 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/CB/cETL/SAA/SASO Standard  
 IP65 Protection, Class I Electric

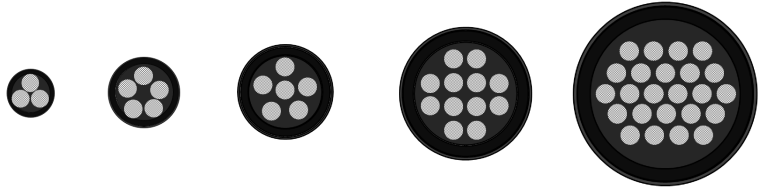
**CUSTOM OPTION**

LED CCT: 1,600K~10,000K/R/G/B/Y  
**[CRI]**: [E] RA80, [G] RA90, [H] RA97(RG0)  
**[SFH]**: Custom Housing Finish Colors by RAL Code  
**[SFB]**: Custom Baffle Finish Colors by RAL Code

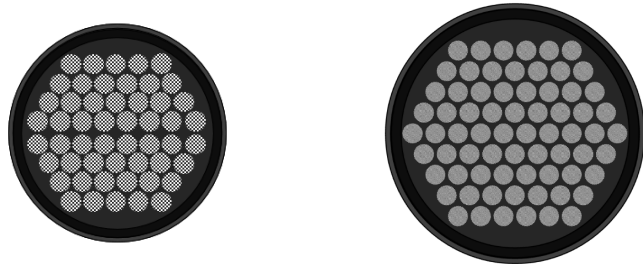
WHITE RAL9010P	BLACK RAL9005P	DARK GREY RAL7016P	GREY RAL7043P	PEARL GREY RAL9022P
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**GTG2101A-MCA: ROUND LED GAREN SPOTLIGHT**

(MCA35A)	(MCA50A)	(MCA65A)	(MCA95A)	(MCA125A)			



(MCA160A) (MCA200A)



**CUSTOM ACCESSOIRES**

<b>[BGL]</b> Louver	<b>[BGG]</b> Protetion Grid	<b>[BGSB]</b> Bevel Shiled	<b>[BGSC]</b> Cylinder Shiled	<b>[BGHD-C]</b> Dome Hood: Φ6"/12"/18"/24"
				 (C152A):95/3.7" (C305A):188/7.42" (C458A):283/11.12" (C610A):376/14.8"  (C152A):Φ152/6" (C305A):Φ305/12" (C458A):Φ458/18" (C610A):Φ610/24"

**[BGC] Custom Lighting Guide Column**










<b>[BGCC]</b> Clear	<b>[BGCF]</b> Frosted	<b>[BGCB]</b> Clear Bulbble	<b>[BGCS]</b> Clear Stripe	<b>DIMENSION: [UNIT: MM]</b>
				 BL25/1" BL51/2" BL76/3" BL102/4" BL152/6" BL254/10" BL381/15" BL458/18"

**Module Top Profile [Factory Set]**

<b>[MTT] Tilt Top</b>		<b>[MTD] Dome Top</b>	
<b>Module Model [Φ]</b>	<b>Height Adder [H]</b>	<b>Module Model [Φ]</b>	<b>Height Adder [H]</b>
MCA35A-MTT	15mm	MCA35A-MTD	18mm
MCA50A-MTT	15mm	MCA50A-MTD	25mm
MCA65A-MTT	15mm	MCA65A-MTD	30mm
MCA95A-MTT	15mm	MCA95A-MTD	45mm
MCA125A-MTT	15mm	MCA125A-MTD	60mm
MCA160A-MTT	15mm	MCA160A-MTD	80mm
MCA200A-MTT	15mm	MCA200A-MTD	100mm

**GTG2101A-MCA: ROUND LED GAREN SPOTLIGHT**

**SPECIFICATION**

MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	CUSTOM DIMMING	INPUT [V]
GTG2101A-MCA35A2B MCH35A2B	3W [5W]	3x2W SMD3030	G2200K	RA90	170	>0.5	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° [Oval] BLV15x45°	[CDN]:Non-dimmable [+CDP]:PWM(1%)  [OTHERS by Remote Driver]	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V]
			G2500K	RA90	190				
			G2700K	RA90	210				
			G3000K	RA90	220				
			G3500K	RA90	220				
			G4000K	RA90	240				
			G5000K	RA90	240				
			G6500K	RA90	240				
	2C@3W	TWG	G2700K	G6500K	RA90	150	>0.3		
	3C@3W	RGB	620nm	520nm	460nm	\	150	>0.3	
GTG2101A-MCA50A2B MCH50A2B	5W [7W]	5x2W SMD3030	G2200K	RA90	290	>0.5	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° [Oval] BLV15x45°	[CDN]:Non-dimmable [CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [+CDP]:PWM(1%)  [OTHERS by Remote Driver]	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V] [+CV DC42V]
			G2500K	RA90	320				
			G2700K	RA90	350				
			G3000K	RA90	370				
			G3500K	RA90	370				
			G4000K	RA90	400				
			G5000K	RA90	400				
			G6500K	RA90	390				
	2C@5W	TWG	G2700K	G6500K	RA90	250	>0.3		
	3C@5W	RGB	620nm	520nm	460nm	\	250	>0.3	
GTG2101A-MCA65A2B MCH65A2B	6W [10W]	6x2W SMD3030	G2200K	RA90	330	>0.5	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° [Oval] BLV15x45°	[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]
			G2500K	RA90	375				
			G2700K	RA90	415				
			G3000K	RA90	450				
			G3500K	RA90	450				
			G4000K	RA90	480				
			G5000K	RA90	480				
			G6500K	RA90	470				
	2C@6W	TWG	G2700K	G6500K	RA90	300	>0.3		
	3C@6W	RGB	620nm	520nm	460nm	\	300	>0.3	
GTG2101A-MCA95A2B MCH95A2B	12W [15W] [10W]	12x2W SMD3030	G2200K	RA90	670	>0.9	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° [Oval] BLV10x45° BLV15x45° BLV25x45° BLV10x60° BLV20x60°	[CDX]:DMX512(1%) [CRZ]:ZIGBEE(1%) [CRF]:2.4G RF(1%) [CRB]:Bluetooth(1%) [CDS]:SP1(1%)  [+CDP]:PWM(1%)  Following [Sensor]	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V] [+CV DC42V]
			G2500K	RA90	750				
			G2700K	RA90	830				
			G3000K	RA90	890				
			G3500K	RA90	890				
			G4000K	RA90	960				
			G5000K	RA90	960				
			G6500K	RA90	940				
	2C@12W	TWG	G2700K	G6500K	RA90	600	>0.5		
	3C@12W	RGB	620nm	520nm	460nm	\	600	>0.5	
GTG2101A-MCA125A2B MCH125A2B	25W [30W] [20W] [15W]	24x2W SMD3030	G2200K	RA90	1350	>0.9	[BGL] Louver LM-15%	[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]
			G2500K	RA90	1490				
			G2700K	RA90	1660				
			G3000K	RA90	1780				
			G3500K	RA90	1780				
			G4000K	RA90	1920				
			G5000K	RA90	1920				
			G6500K	RA90	1880				
	2C@25W	TWG	G2700K	G6500K	RA90	1200	>0.7		
	3C@25W	RGB	620nm	520nm	460nm	\	1200	>0.7	
GTG2101A-MCA160A2B MCH160A2B	50W [40W] [30W]	48x2W SMD3030	G2200K	RA90	2680	>0.9	[BGL] Louver LM-15%	[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]
			G2500K	RA90	2980				
			G2700K	RA90	3310				
			G3000K	RA90	3570				
			G3500K	RA90	3570				
			G4000K	RA90	3830				
			G5000K	RA90	3830				
			G6500K	RA90	3750				
	2C@50W	TWG	G2700K	G6500K	RA90	2400	>0.8		
	3C@50W	RGB	620nm	520nm	460nm	\	2400	>0.8	
GTG2101A-MCA200A2B MCH200A2B	75W [60W] [50W]	72x2W SMD3030	G2200K	RA90	4030	>0.9	[BGL] Louver LM-15%	[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]
			G2500K	RA90	4470				
			G2700K	RA90	4970				
			G3000K	RA90	5360				
			G3500K	RA90	5360				
			G4000K	RA90	5750				
			G5000K	RA90	5750				
			G6500K	RA90	5630				
	2C@75W	TWG	G2700K	G6500K	RA90	3600	>0.7		
	3C@75W	RGB	620nm	520nm	460nm	\	3600	>0.7	

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.

**GTG2101A-MCA: ROUND LED GAREN SPOTLIGHT**

**SPECIFICATION**

MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	CUSTOM DIMMING	INPUT [V]		
GTG2101A-MCA35A3B MCH35A3B	5W [3W]	3x10W SMD3535	G2700K	RA90	300	>0.5	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60°  [Oval] BLV10x45° BLV15x45° BLV25x45° BLV10x60° BLV20x60°	[CDN]:Non-dimmable [+CDP]:PWM(1%)	AC100~277V [AC100~347V] 50/60Hz		
			G3000K	RA90	310						
			G3500K	RA90	310						
			G4000K	RA90	350						
			G5000K	RA90	350						
	G6500K	RA90	330								
	2C@5W	TWG	G2700K	G6500K	RA90	250		>0.4	[OTHERS by Remote Driver]	[+CV DC12V] [+CV DC24V]	
3C@3W	RGB	620nm	520nm	460nm	\	150	>0.4				
4C@3W	RGBW	620nm	520nm	460nm	2700K	\	150	>0.4			
4C@3W	RGBA	620nm	520nm	460nm	590nm	\	150	>0.4			
GTG2101A-MCA50A3B MCH50A3B	10W [5W]	5x10W SMD3535	G2700K	RA90	510	>0.5	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60°  [Oval] BLV10x45° BLV15x45° BLV25x45° BLV10x60° BLV20x60°	[CDN]:Non-dimmable [CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [+CDP]:PWM(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz		
			G3000K	RA90	530						
			G3500K	RA90	530						
			G4000K	RA90	600						
			G5000K	RA90	600						
	G6500K	RA90	580								
	2C@10W	TWG	G2700K	G6500K	RA90	400		>0.4	[OTHERS by Remote Driver]	[+CV DC12V] [+CV DC24V]	
3C@5W	RGB	620nm	520nm	460nm	\	250	>0.4				
4C@5W	RGBW	620nm	520nm	460nm	2700K	\	250	>0.4			
4C@5W	RGBA	620nm	520nm	460nm	590nm	\	250	>0.4			
GTG2101A-MCA65A3B MCH65A3B	15W [20W] [12W]	6x10W SMD3535	E2700K	RA80	1160	>0.9	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60°  [Oval] BLV10x45° BLV15x45° BLV25x45° BLV10x60° BLV20x60°  [BGL] Louver LM-15%	[CDN]:Non-dimmable	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz		
			E3000K	RA80	1230						
			E3500K	RA80	1230						
			E4000K	RA80	1330						
			E5000K	RA80	1330						
	E6500K	RA80	1320								
	15W [20W] [12W]	6x10W SMD3535	G2700K	RA90	730	>0.9		[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60°  [Oval] BLV10x45° BLV15x45° BLV25x45° BLV10x60° BLV20x60°  [BGL] Louver LM-15%	[CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%) [CDA]:DALI(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz	
			G3000K	RA90	750						
			G3500K	RA90	750						
			G4000K	RA90	840						
			G5000K	RA90	840						
	G6500K	RA90	810								
	2C@12W	TWG	G2700K	G6500K	RA90	600			>0.5	[OTHERS by Remote Driver]	[+CV DC12V] [+CV DC24V]
3C@6W	RGB	620nm	520nm	460nm	\	300	>0.5				
4C@6W	RGBW	620nm	520nm	460nm	2700K	\	300		>0.5		
4C@6W	RGBA	620nm	520nm	460nm	590nm	\	300		>0.5		
GTG2101A-MCA95A3B MCH95A3B	20W [30W] [15W]	12x10W SMD3535	E2700K	RA80	1480	>0.9	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60°  [Oval] BLV10x45° BLV15x45° BLV25x45° BLV10x60° BLV20x60°  [BGL] Louver LM-15%		[CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%) [CDA]:DALI(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz	
			E3000K	RA80	1580						
			E3500K	RA80	1580						
			E4000K	RA80	1720						
			E5000K	RA80	1720						
	E6500K	RA80	1700								
	20W [30W] [15W]	12x10W SMD3535	G2700K	RA90	930	>0.9		[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60°  [Oval] BLV10x45° BLV15x45° BLV25x45° BLV10x60° BLV20x60°  [BGL] Louver LM-15%	[+CDP]:PWM(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz	
			G3000K	RA90	960						
			G3500K	RA90	960						
			G4000K	RA90	1080						
G5000K			RA90	1080							
G6500K	RA90	1040									
2C@20W	TWG	G2700K	G6500K	RA90	900	>0.5	[OTHERS by Remote Driver]		[+CV DC12V] [+CV DC24V]		
3C@12W	RGB	620nm	520nm	460nm	\	600				>0.5	
4C@12W	RGBW	620nm	520nm	460nm	2700K	\				600	>0.5
4C@12W	RGBA	620nm	520nm	460nm	590nm	\				600	>0.5
GTG2101A-MCA125A3B MCH125A3B	30W [40W] [25W] [15W]	24x10W SMD3535	G2700K	RA90	1560	>0.9	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60°  [Oval] BLV10x45° BLV15x45° BLV25x45° BLV10x60° BLV20x60°  [BGL] Louver LM-15%	[CDX]:DMX512(1%) [CRZ]:ZIGBEE(1%) [CRF]:2.4G RF(1%) [CRB]:Bluetooth(1%) [CDS]:SPI(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz		
			G3000K	RA90	1610						
			G3500K	RA90	1610						
			G4000K	RA90	1810						
			G5000K	RA90	1810						
G6500K	RA90	1740									
2C@30W	TWG	G2700K	G6500K	RA90	1260	>0.8	[OTHERS by Remote Driver]	[+CV DC12V] [+CV DC24V] [+CV DC42V]			
3C@30W	RGB	620nm	520nm	460nm	\	1200			>0.8		
4C@30W	RGBW	620nm	520nm	460nm	2700K	\			1200	>0.7	
4C@30W	RGBA	620nm	520nm	460nm	590nm	\			1200	>0.7	
GTG2101A-MCA160A3B MCH160A3B	50W [60W] [40W] [30W]	36x10W SMD3535	G2700K	RA90	2600	>0.9	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60°  [Oval] BLV10x45° BLV15x45° BLV25x45° BLV10x60° BLV20x60°  [BGL] Louver LM-15%	[CSL]: Photocell Lux Sensor	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz		
			G3000K	RA90	2680						
			G3500K	RA90	2680						
			G4000K	RA90	3060						
			G5000K	RA90	3060						
	G6500K	RA90	2900								
2C@50W	TWG	G2700K	G6500K	RA90	2260	>0.8	[OTHERS by Remote Driver]	[+CV DC12V] [+CV DC24V] [+CV DC42V]			
3C@50W	RGB	620nm	520nm	460nm	\	2260			>0.8		
4C@50W	RGBW	620nm	520nm	460nm	2700K	\			2260	>0.7	
4C@50W	RGBA	620nm	520nm	460nm	590nm	\			2260	>0.7	
GTG2101A-MCA200A3B MCH200A3B	60W [80W] [50W] [40W]	48x10W SMD3535	G2700K	RA90	3080	>0.9	[Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60°  [Oval] BLV10x45° BLV15x45° BLV25x45° BLV10x60° BLV20x60°  [BGL] Louver LM-15%	[CSMD]: Big-level Microwave Motion Sensor	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz		
			G3000K	RA90	3180						
			G3500K	RA90	3180						
			G4000K	RA90	3510						
			G5000K	RA90	3510						
	G6500K	RA90	3410								
2C@60W	TWG	G2700K	G6500K	RA90	3080	>0.8	[OTHERS by Remote Driver]	[+CV DC12V] [+CV DC24V] [+CV DC42V]			
3C@60W	RGB	620nm	520nm	460nm	\	3080			>0.8		
4C@60W	RGBW	620nm	520nm	460nm	2700K	\			3080	>0.7	
4C@60W	RGBA	620nm	520nm	460nm	590nm	\			3080	>0.7	

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.

**GTG2101A-MCA: ROUND LED GAREN SPOTLIGHT**

**SPECIFICATION**

MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	CUSTOM DIMMING	INPUT [V]
GTG2101A-MCA65A3C MCH65A3C	10W	3x10W SMD3535	E2700K	RA80	730	> 0.5			
			E3000K	RA80	750				
			E3500K	RA80	750				
			E4000K	RA80	830				
			E5000K	RA80	830				
			E6500K	RA80	820				
	10W	3x10W SMD3535	G2700K	RA90	460	> 0.5			
			G3000K	RA90	480				
			G3500K	RA90	480				
			G4000K	RA90	530				
			G5000K	RA90	530				
			G6500K	RA90	510				
2C@10W	TWG	G2700K	G6500K	RA90	460	> 0.5			
3C@10W	RGB	620nm	520nm	460nm	\	460	> 0.5		
4C@10W	RGBW	620nm	520nm	460nm	2700K	\	460	> 0.5	
4C@10W	RGBA	620nm	520nm	460nm	590nm	\	460	> 0.5	
GTG2101A-MCA95A3C MCH95A3C	20W [15W]	6x10W SMD3535	E2700K	RA80	1460	> 0.9			
			E3000K	RA80	1510				
			E3500K	RA80	1510				
			E4000K	RA80	1660				
			E5000K	RA80	1660				
			E6500K	RA80	1640				
	20W [15W]	6x10W SMD3535	G2700K	RA90	920	> 0.9			
			G3000K	RA90	950				
			G3500K	RA90	950				
			G4000K	RA90	1050				
			G5000K	RA90	1050				
			G6500K	RA90	1020				
2C@20W	TWG	G2700K	G6500K	RA90	920	> 0.8			
3C@20W	RGB	620nm	520nm	460nm	\	920	> 0.8		
4C@20W	RGBW	620nm	520nm	460nm	2700K	\	920	> 0.7	
4C@20W	RGBA	620nm	520nm	460nm	590nm	\	920	> 0.7	
GTG2101A-MCA125A3C MCH125A3C	30W [40W] [25W] [15W]	12x10W SMD3535	E2700K	RA80	2480	> 0.9			
			E3000K	RA80	2630				
			E3500K	RA80	2630				
			E4000K	RA80	2860				
			E5000K	RA80	2860				
			E6500K	RA80	2860				
	30W [40W] [25W] [15W]	12x10W SMD3535	G2700K	RA90	1560	> 0.9			
			G3000K	RA90	1610				
			G3500K	RA90	1610				
			G4000K	RA90	1810				
			G5000K	RA90	1810				
			G6500K	RA90	1740				
2C@30W	TWG	G2700K	G6500K	RA90	1260	> 0.8			
3C@30W	RGB	620nm	520nm	460nm	\	1260	> 0.8		
4C@30W	RGBW	620nm	520nm	460nm	2700K	\	1260	> 0.7	
4C@30W	RGBA	620nm	520nm	460nm	590nm	\	1260	> 0.7	
GTG2101A-MCA160A3C MCH160A3C	50W [40W]	18x10W SMD3535	E2700K	RA80	4120	> 0.9			
			E3000K	RA80	4380				
			E3500K	RA80	4380				
			E4000K	RA80	4770				
			E5000K	RA80	4770				
			E6500K	RA80	4750				
	50W [40W]	18x10W SMD3535	G2700K	RA90	2600	> 0.9			
			G3000K	RA90	2680				
			G3500K	RA90	2680				
			G4000K	RA90	3060				
			G5000K	RA90	3060				
			G6500K	RA90	2900				
2C@50W	TWG	G2700K	G6500K	RA90	2260	> 0.8			
3C@50W	RGB	620nm	520nm	460nm	\	2260	> 0.8		
4C@50W	RGBW	620nm	520nm	460nm	2700K	\	2260	> 0.7	
4C@50W	RGBA	620nm	520nm	460nm	590nm	\	2260	> 0.7	
GTG2101A-MCA200A3C MCH200A3C	60W [50W] [40W]	24x10W SMD3535	E2700K	RA80	4850	> 0.9			
			E3000K	RA80	5020				
			E3500K	RA80	5020				
			E4000K	RA80	5560				
			E5000K	RA80	5560				
			E6500K	RA80	5450				
	60W [50W] [40W]	24x10W SMD3535	G2700K	RA90	3080	> 0.9			
			G3000K	RA90	3180				
			G3500K	RA90	3180				
			G4000K	RA90	3510				
			G5000K	RA90	3510				
			G6500K	RA90	3410				
2C@60W	TWG	G2700K	G6500K	RA90	3080	> 0.8			
3C@60W	RGB	620nm	520nm	460nm	\	3080	> 0.8		
4C@60W	RGBW	620nm	520nm	460nm	2700K	\	3080	> 0.7	
4C@60W	RGBA	620nm	520nm	460nm	590nm	\	3080	> 0.7	

[Symmetric]  
 BL6D:6°  
 BL10D:10°  
 BL15D:15°  
 BL25D:25°  
 BL30D:30°  
 BL45D:45°  
 BL60D:60°

[Oval]  
 BLV10x45°  
 BLV15x45°  
 BLV25x45°  
 BLV10x60°  
 BLV20x60°

[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


[CDX]: DMX512(1%)  
 [CRZ]: ZIGBEE(1%)  
 [CRF]: 2.4G RF(1%)  
 [CRB]: Bluetooth(1%)  
 [CDS]: SPI(1%)

[+CV DC12V]  
 [+CV DC24V]  
 [+CV DC42V]


[CSL]: Photocell Lux Sensor



[CSPD]: Big-level PIR Motion Sensor



[CSMD]: Big-level Microwave Motion Sensor



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.



[FFS] Flush Surface Mounted Light

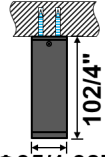
DIMENSION: [UNIT: MM]

NOTES:

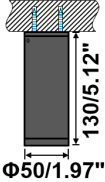
Custom "Pendant" Installation and Accessories Referred to Another Catalogue of Fixing Kits.

MCA35A-[FFS]

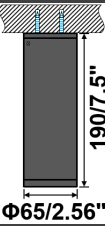
CASE STUDY:



MCA50A-[FFS]



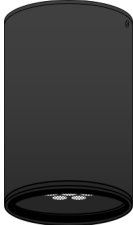
MCA65A-[FFS]



MCA95A-[FFS]



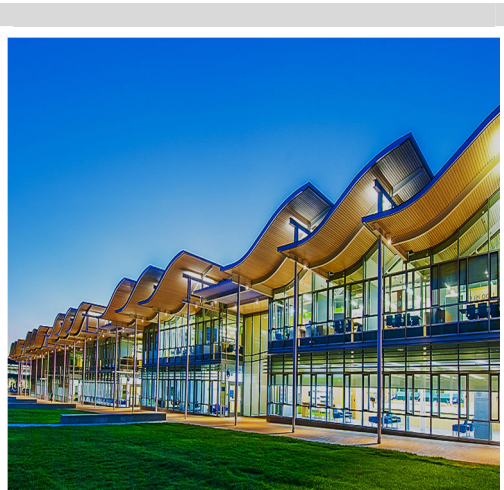
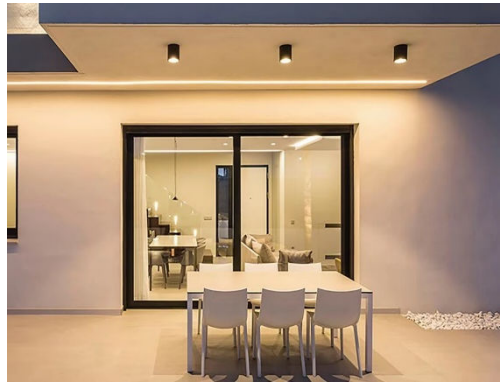
MCA125A-[FFS]



MCA160A-[FFS]



MCA200A-[FFS]



[FPS] Stem Pendant

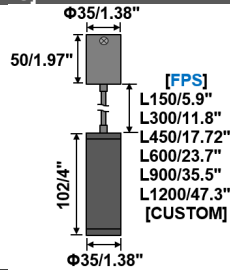
DIMENSION: [UNIT: MM]

NOTES:

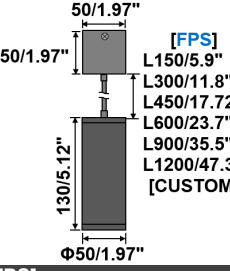
Custom "Pendant" Installation and Accessories Referred to Another Catalogue of Fixing Kits.

(MCA35A)-[FPS]

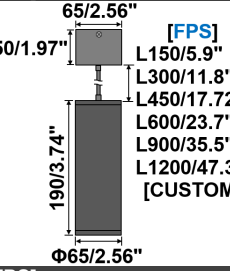
CASE STUDY:



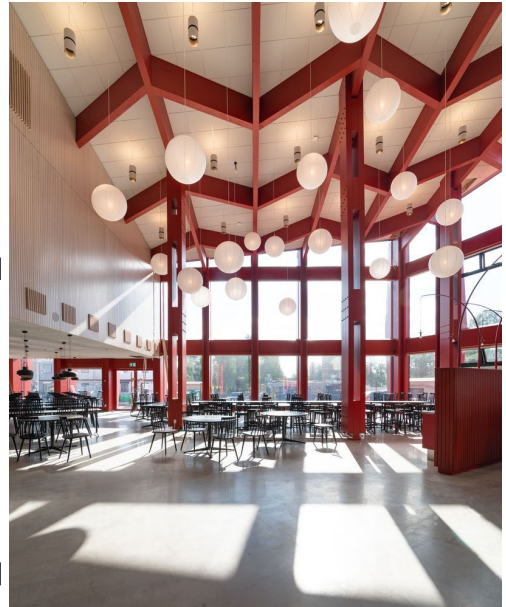
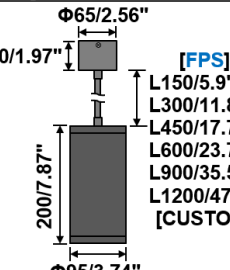
(MCA50A)-[FPS]



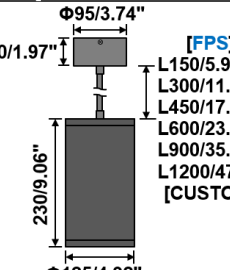
(MCA65A)-[FPS]



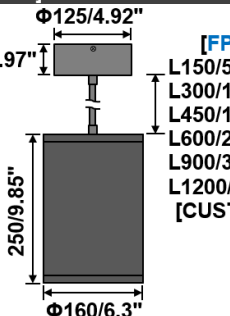
(MCA95A)-[FPS]



(MCA125A)-[FPS]



(MCA160A)-[FPS]



[FPS] Stem Pendant

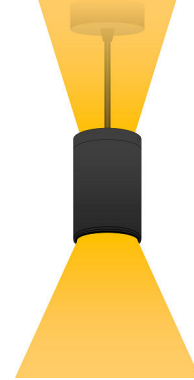
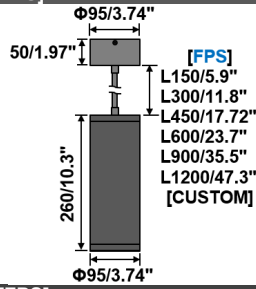
DIMENSION: [UNIT: MM]

NOTES:

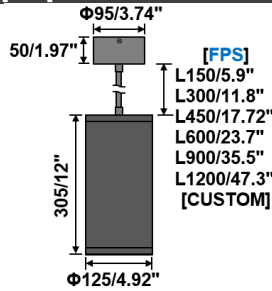
Custom "Pendant" Installation and Accessories Referred to Another Catalogue of Fixing Kits.

MCH95A-[FPS]

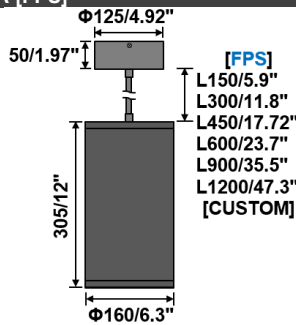
CASE STUDY:



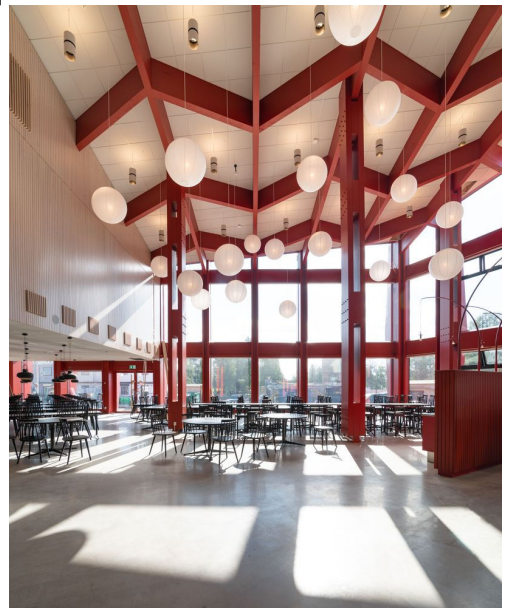
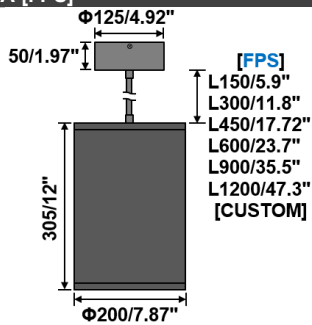
MCH125A-[FPS]



MCH160A-[FPS]



MCH200A-[FPS]



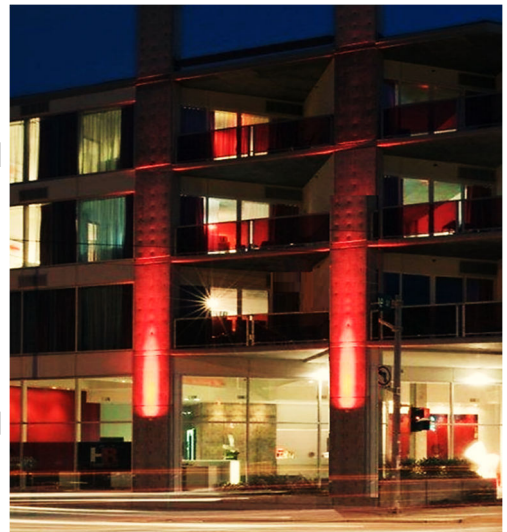
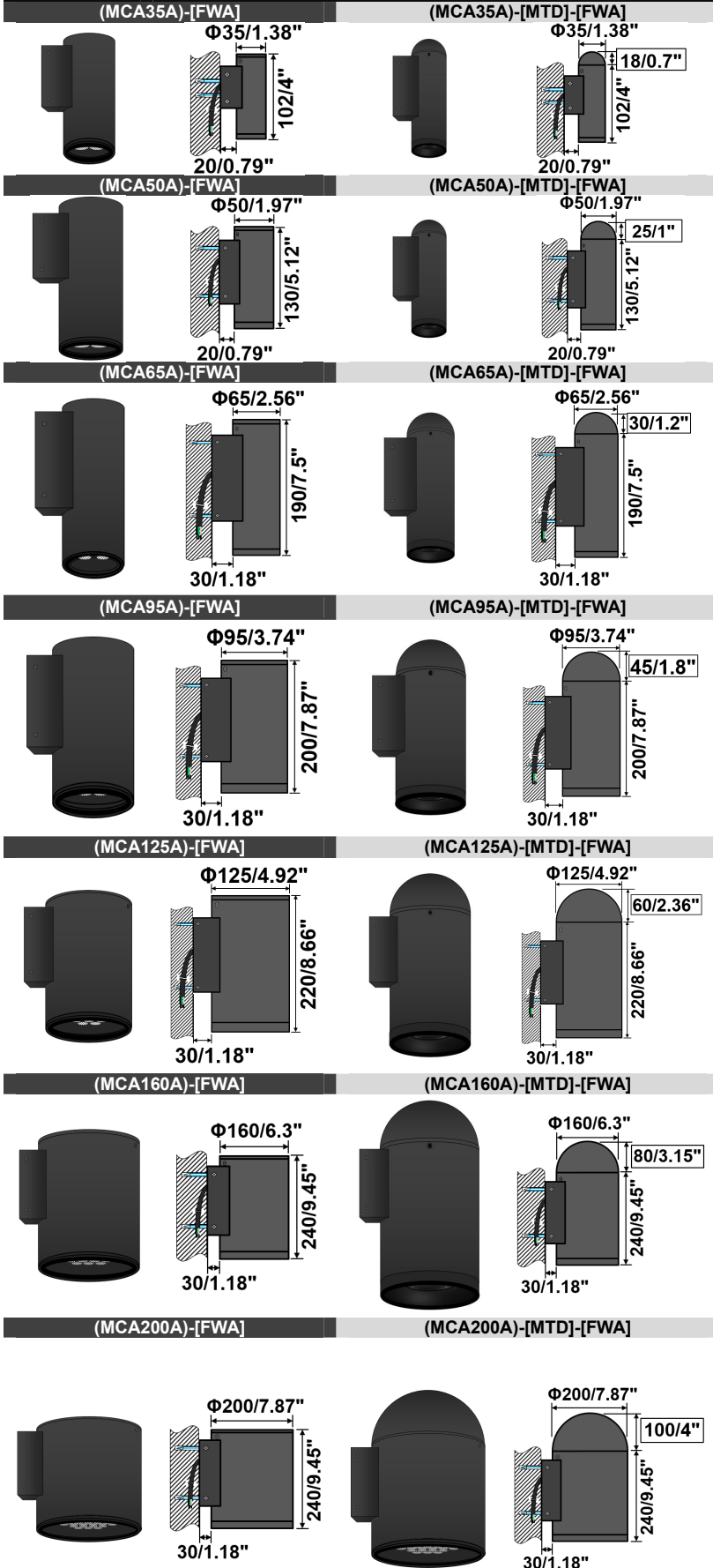


[FWA] Wall Mounted Light

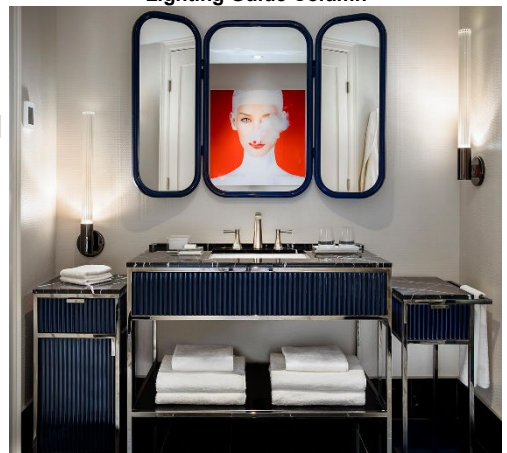
DIMENSION: [UNIT: MM]

NOTES: Custom "Fixing Plate on Outlet Box" Referred to Another Catalogue of Fixing Kits.

CASE STUDY:



MCA50A-[BGCS-C50A-L458]  
Lighting Guide Column





[FWH] Wall Mounted Light

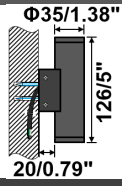
DIMENSION: [UNIT: MM]

NOTES:

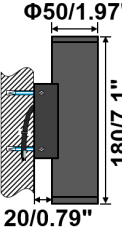
Custom "Fixing Plate on Outlet Box" Referred to Another Catalogue of Fixing Kits.

MCH35A-[FWH]

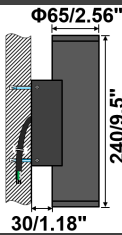
CASE STUDY:



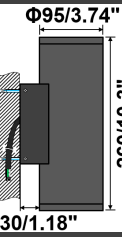
MCH50A-[FWH]



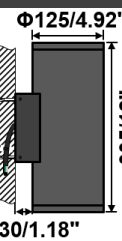
MCH65A-[FWH]



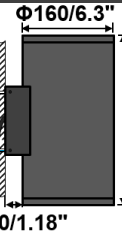
MCH95A-[FWH]



MCH125A-[FWH]



MCH160A-[FWH]



MCH200A-[FWH]



[FSC-A] Slip Fitter		DIMENSION: [UNIT: MM]	
NOTES: Custom "FSC" Installation and Accessories Referred to Another Catalogue of Fixing Kits.			
<b>MCA35A-[FSC25A]</b> 	<b>MCA50A-[FSC25A]</b> 	<b>CASE STUDY:</b> <b>MCA35A-MQ2A180D</b> <b>FSC25A-PSA-C35A</b> 	
<b>MCA65A-[FSC25A]</b> 	<b>MCA95A-[FSC25A]</b> 	<b>MCA50A-MQ2A90D</b> <b>MCA35A-MQ2S</b> <b>FSC25A-PSA-C125A</b> 	
<b>MCA95A-[FSC50A]</b> 	<b>MCA125A-[FSC25A]</b> 		
<b>MCA125A-[FSC50A]</b> 	<b>MCA125A-[FSC60A]</b> 		
<b>MCA160A-[FSC50A]</b> 	<b>MCA160A-[FSC60A]</b> 		
<b>MCA200A-[FSC50A]</b> 	<b>MCA200A-[FSC60A]</b> 		

MCA125A-MTD-[FSC50A]  
 FIXTURE: FSC50-PSA-C90A-L3600



MCA125A-[FSC50A]  
 FIXTURE: FSC50-M2A180D-PSA-C90A-L3600



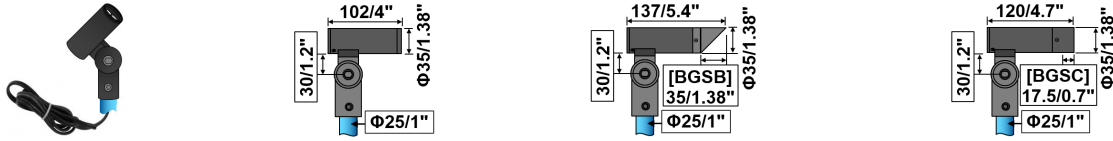


**[FSC-D] Slip Fitter**

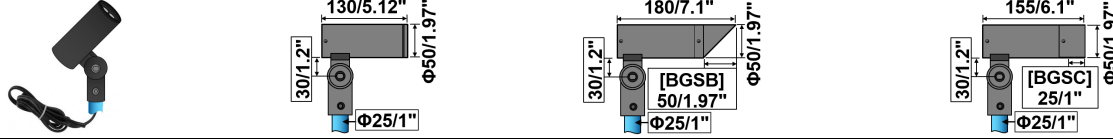
**DIMENSION: [UNIT: MM]**

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

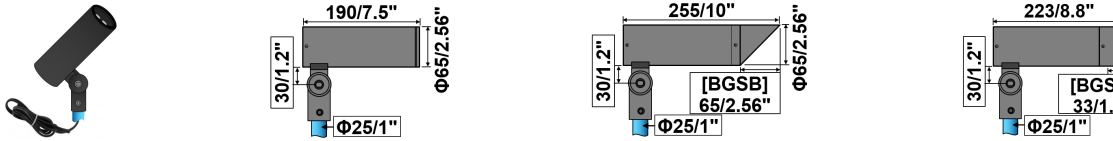
**MODEL: MCA35A-[FSC25D]**



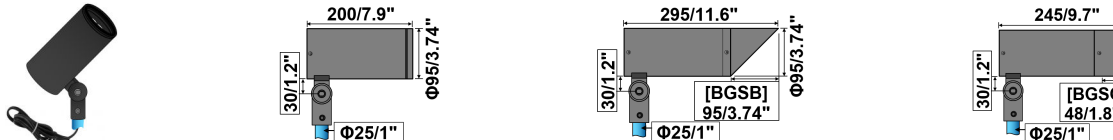
**MODEL: MCA50A-[FSC25D]**



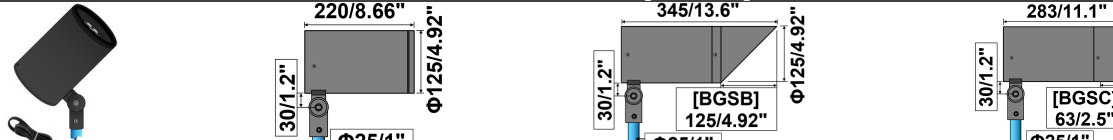
**MODEL: MCA65A-[FSC25D]**



**MODEL: MCA95A-[FSC25D]**

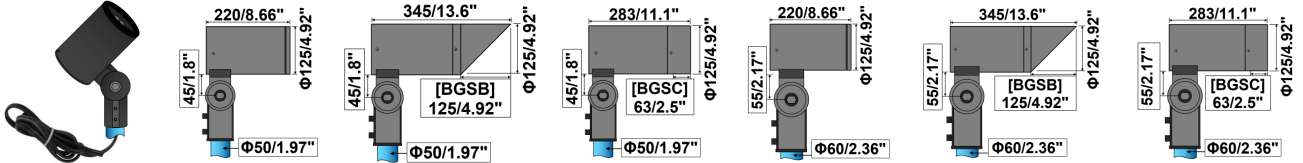


**MODEL: MCA125A-[FSC25D]**



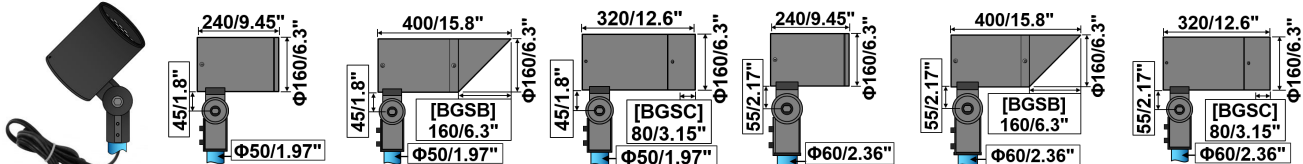
**MODEL: MCA125A-[FSC50D]**

**MODEL: MCA125A-[FSC60D]**



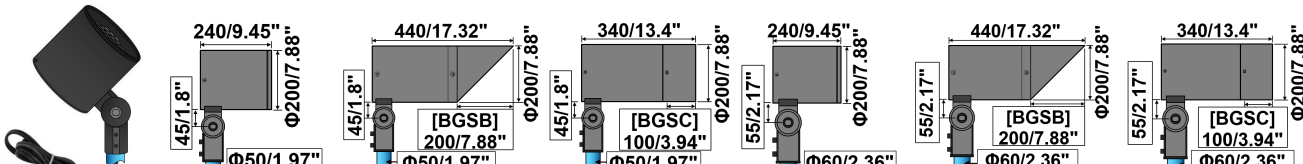
**MODEL: MCA160A-[FSC50D]**

**MODEL: MCA160A-[FSC60D]**



**MODEL: MCA200A-[FSC50D]**

**MODEL: MCA200A-[FSC60D]**



**CASE STUDY**

**FIXTURE: [FSC25D-PSA-C125A]**



**FIXTURE: [FSC25D-FBB]**



**FIXTURE: [FSC25D-FBS]**











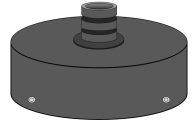


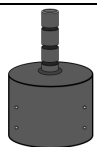


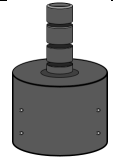


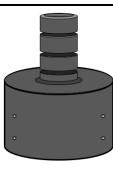


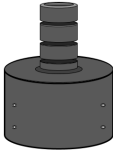


[FSC-FB]: Base FIXING KITS				
NOTES: Custom Specifics according to Lighting Fixture				FIGURE
[FSC25A-FBS] SlipFitter → Spike	[FSC25A-FBB] SlipFitter → Box	[FSC25A-FBB-FBS] SlipFitter → Box → Spike	[FSC25A-ASA-FBB] SlipFitter → ARM → Box	[FSC25A-ASA-FBB-FBS] SlipFitter → ARM → Box → Spike

[FSC-FBS]: Fixing Spike With Tenon Adaptor				CASE STUDY
NOTES: Custom Specifics according to Lighting Fixture				
MODEL:	DIMENSION: [MM]		EXAMPLE	
	FSC18-FBS1A	FSC25-FBS1A	MC95A-FSC25A-FBS	
	<p>Φ18/0.7"</p> <p>[BS1A]</p> <p>L160/6.3"</p> <p>L210/8.3"</p> <p>L265/10.5"</p> <p>L400/15.8"</p> <p>L500/19.7"</p> <p>L600/23.7"</p>	<p>Φ25/1"</p> <p>[BS1A]</p> <p>L160/6.3"</p> <p>L210/8.3"</p> <p>L265/10.5"</p> <p>L400/15.8"</p> <p>L500/19.7"</p> <p>L600/23.7"</p>		
	FSC40-FBS1A	FSC42-FBS1A	MC95A-FSC42-FBS	
	<p>Φ40/1.58"</p> <p>[BS1A]</p> <p>L265/10.5"</p> <p>L400/15.8"</p> <p>L500/19.7"</p> <p>L600/23.7"</p>	<p>Φ42/1.66"</p> <p>[BS1A]</p> <p>L265/10.5"</p> <p>L400/15.8"</p> <p>L500/19.7"</p> <p>L600/23.7"</p>		
	FSC48A-FBS1A		MC150A-FSC48A-FBS	
	<p>Φ48/1.89"</p> <p>[BS1A]</p> <p>L265/10.5"</p> <p>L400/15.8"</p> <p>L500/19.7"</p> <p>L600/23.7"</p>			

[FSC-FBB] FIXING BOX WITH TENON ADAPTOR

SPECIFICATION

[FSC-FBB]: Fixing Box With Tenon Adaptor			EXAMPLE	
NOTES: Custom Specifics according to Lighting Fixture				
<b>[FBB] Fixing Box</b>	DIMENSION: [MM]		MC35-FSC25-FBB	MC65-FSC25-FBB
MODEL:	FSC18-FBB-C65H51A	FSC25-FBB-C65H51A		
	$\Phi 18/0.7"$ $\Phi 65/2.56"$ 51/2" 75/3"	$\Phi 25/1"$ $\Phi 65/2.56"$ 51/2" 75/3"		
<b>[FBB] Fixing Box</b>	DIMENSION: [MM]		MC95-FSC25-FBB	MC140-FSC25-FBB
MODEL:	FSC25-FBB-C95H51A	FSC40-FBB-C95H51A		
	$\Phi 25/1"$ $\Phi 95/3.74"$ 51/2" 100/4"	$\Phi 40/1.57"$ $\Phi 95/3.74"$ 51/2" 100/4"		
<b>[FBB] Fixing Box</b>	DIMENSION: [MM]		MC125-FSC25-FBB	MC160-FSC25-FBB
MODEL:	FSC25-FBB-C125H51A	FSC40-FBB-C125H51A		
	$\Phi 25/1"$ $\Phi 125/4.92"$ 51/2" 150/6"	$\Phi 40/1.57"$ $\Phi 125/4.92"$ 51/2" 150/6"		
<b>[FBB] Fixing Box</b>	DIMENSION: [MM]		MC125-FSC25-FBB	MC160-FSC25-FBB
MODEL:	FSC18-FBB-C125H102A	FSC25-FBB-C125H102A		
	$\Phi 18/0.7"$ $\Phi 125/4.92"$ 102/4" 150/6"	$\Phi 25/1"$ $\Phi 125/4.92"$ 102/4" 150/6"		
<b>[FBB] Fixing Box</b>	DIMENSION: [MM]		MC225-FSC42-FBB	MC280-FSC42-FBB
MODEL:	FSC40-FBB-C125H102A			
	$\Phi 40/1.58"$ $\Phi 125/4.92"$ 102/4" 150/6"			
<b>[FBB] Fixing Box</b>	DIMENSION: [MM]		MC225-FSC42-FBB	MC280-FSC42-FBB
MODEL:	FSC42-FBB-C125H102A			
	$\Phi 42/1.58"$ $\Phi 125/4.92"$ 102/4" 150/6"			
<b>[FBB] Fixing Box</b>	DIMENSION: [MM]		MC175-FSC48-FBB	MC280-FSC48-FBB
MODEL:	FSC52-FBB-C150H102A			
	$\Phi 48/1.89"$ $\Phi 150/5.9"$ 102/4" 200/8"			

CASE STUDY

