

INTRODUCTION
GTR1701A: RECESSED LED DOWNLIGHT
FEATURE

Concise Optimized LED Lighting Structure
 Optimized Waterproof Structure
 Long Lifespan Design > 50,000 hours
 Working Temperature: -30°C ~ 50°C

MATERIAL & FINISH

LED Brand: GUBO [LM80]
 Remote Driver Brand: GUBO
 Housing: Patent Die-casted Aluminum Radiator
 Optics: Nano Paper Reflector
 Diffuser: Frosted PC Diffuser

INSTALLATION

Installation: False Ceiling Recessed
 Suitable for Interior & Exterior Ceiling Light

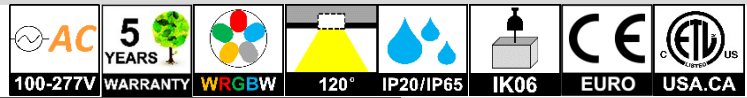
STANDARD

Designed and Manufactured to Comply with
 TUV/CB/CE/RoHS/EMF/SA/Erp/cETL/FCC
 Withstand Voltage: 3.75KV, Surge Protection: 1.0KV
 IP20 Protection, Class II Electric

OPTION

LED CCT: 1,800K~10,000K/R/G/B/Y/A
 Personal Eye Protection Standard: RG0 (EN166:2001)
 LED Grown Light: **Full Spectrum** 380nm~840nm
 [CRI]: [E] RA80, [G] RA90, [H] RA97
 [IP65] Protection Class With Glass Diffuser.
 [F2] Custom Trim Finish: Colors by RAL Code

WHITE **BLACK** **GREY** **DARK GREY** **GOLDEN**
 RAL9010P RAL9005P RAL7042P RAL7016P RAL1004P

CASE STUDY


MODEL	IMAGE	IMAGE	DIMENSION: [UNIT: MM]
(MCA80A)			 51/2" Φ95/3.74" [CUTOUT] Φ80/3.15"
(MCA80A)			 55/2.17" Φ115/4.53" [CUTOUT] Φ95/3.74"
(MCA115A)			 67/2.64" Φ155/6.1" [CUTOUT] Φ115/4.53"
(MCA165A)			 30/1.2" 60/2.36" Φ195/7.68" [CUTOUT] Φ165/6.5"
(MCA200A)			 30/1.2" 65/2.56" Φ235/9.25" [CUTOUT] Φ200/7.88"

MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	LUMEN [LM]	POWER FACTOR	BEAM ANGLE	OPTIONAL DIMMING	INPUT [V]				
GTR1701A-MCA80A MCA80A-IP65	10W [6W] [12W]	50x0.5W SMD2835	H2500K	RA97	740	> 0.9	120°	[*+CDT]: TRIAC(10%) [CDV]: 0/1~10V(8%) [*+CDV0]: 0~10V(1%) [CDV1]: 1~10V(15%) [+CDX]: DMX512(1%) [+CDA]: DALI(1%) [+CDP]: PWM(1%) [+CRZ]: ZIGBEE(1%) [+CRF]: 2.4G RF(1%)	*AC100~277V [AC220~240V] [AC100~347V] [AC180~528V] 50/60Hz [CV DC12V] [+CV DC12V] [CV DC36V] [CV DC42V]				
			H2700K	RA97	820								
			H3000K	RA97	880								
			H3500K	RA97	880								
			H4000K	RA97	940								
			H5000K	RA97	940								
			H6000K	RA97	920								
			2C@10W	TWH	H2700K					H6000K	RA97	820	> 0.9
			3C@10W	RGB	620nm					520nm	460nm	\	820
4C@10W	RGBWH	620nm	520nm	460nm	H2700K	\	820	> 0.5					
4C@10W	RGBA	620nm	520nm	460nm	590nm	\	820	> 0.5					
5C@10W	RGBTWH	620nm	520nm	460nm	H2700K	H6000K	\	820	> 0.5				
GTR1701A-MCA95A MCA95A-IP65	15W [10W]	84x0.5W SMD2835	H2500K	RA97	1030	> 0.9	120°	[*+CDT]: TRIAC(10%) [CDV]: 0/1~10V(8%) [*+CDV0]: 0~10V(1%) [CDV1]: 1~10V(15%) [+CDX]: DMX512(1%) [+CDA]: DALI(1%) [+CDP]: PWM(1%) [+CRZ]: ZIGBEE(1%) [+CRF]: 2.4G RF(1%)	*AC100~277V [AC220~240V] [AC100~347V] [AC180~528V] 50/60Hz [CV DC12V] [+CV DC12V] [CV DC36V] [CV DC42V]				
			H2700K	RA97	1140								
			H3000K	RA97	1230								
			H3500K	RA97	1230								
			H4000K	RA97	1320								
			H5000K	RA97	1320								
			H6000K	RA97	1290								
			2C@15W	TWH	H2700K					H6000K	RA97	1140	> 0.7
			3C@15W	RGB	620nm					520nm	460nm	\	1140
4C@15W	RGBWH	620nm	520nm	460nm	H2700K	\	1140	> 0.5					
4C@15W	RGBA	620nm	520nm	460nm	590nm	\	1140	> 0.5					
5C@15W	RGBTWH	620nm	520nm	460nm	H2700K	H6000K	\	1140	> 0.5				
GTR1701A-MCA115A MCA115A-IP65	20W [15W] [10W]	0x0.5W SMD2835	H2500K	RA97	1460	> 0.9	120°	[*+CDT]: TRIAC(10%) [CDV]: 0/1~10V(8%) [*+CDV0]: 0~10V(1%) [CDV1]: 1~10V(15%) [+CDX]: DMX512(1%) [+CDA]: DALI(1%) [+CDP]: PWM(1%) [+CRZ]: ZIGBEE(1%) [+CRF]: 2.4G RF(1%)	*AC100~277V [AC220~240V] [AC100~347V] [AC180~528V] 50/60Hz [CV DC12V] [+CV DC12V] [CV DC36V] [CV DC42V]				
			H2700K	RA97	1630								
			H3000K	RA97	1750								
			H3500K	RA97	1750								
			H4000K	RA97	1880								
			H5000K	RA97	1880								
			H6000K	RA97	1840								
			2C@20W	TWH	H2700K					H6000K	RA97	1630	> 0.8
			3C@20W	RGB	620nm					520nm	460nm	\	1630
4C@20W	RGBWH	620nm	520nm	460nm	H2700K	\	1630	> 0.6					
4C@20W	RGBA	620nm	520nm	460nm	590nm	\	1630	> 0.6					
5C@20W	RGBTWH	620nm	520nm	460nm	H2700K	H6000K	\	1630	> 0.6				

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 ±3.

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GTR1701A: RECESSED LED DOWNLIGHT

MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	LUMEN [LM]	POWER FACTOR	BEAM ANGLE	OPTIONAL DIMMING	INPUT [V]		
GTR1701A-MCA165A-MCA165A-IP65	25W [20W] [15W]	144x0.5W SMD2835	H2500K	RA97	1760	> 0.9	120°	[**+CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [**+CDV0]:0~10V(1%) [CDV1]:1~10V(15%) [+CDX]:DMX512(1%) [+CDA]:DALI(1%) [+CDP]:PWM(1%) [+CRZ]:ZIGBEE(1%) [+CRF]:2.4G RF(1%)	*AC100~277V [AC220~240V] [AC100~347V] [AC180~528V] 50/60Hz		
			H2700K	RA97	1960						
			H3000K	RA97	2100						
			H3500K	RA97	2100						
			H4000K	RA97	2260						
			H5000K	RA97	2260						
	H6000K	RA97	2260								
	2C@25W	TWH	H2700K	H6000K	RA97	1960				>0.9	
	3C@25W	RGB	620nm	520nm	460nm	\				1960	>0.6
	4C@25W	RGBWH	620nm	520nm	460nm	H2700K				\	1960
4C@25W	RGBA	620nm	520nm	460nm	590nm	\	1960	>0.5			
5C@25W	RGBTWH	620nm	520nm	460nm	H2700K	H6000K	\	1960	>0.5		
GTR1701A-MCA200A-MCA200A-IP65	30W [25W] [20W] [15W]	240x0.5W SMD2835	H2500K	RA97	2200	> 0.9	120°	[**+CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [**+CDV0]:0~10V(1%) [CDV1]:1~10V(15%) [+CDX]:DMX512(1%) [+CDA]:DALI(1%) [+CDP]:PWM(1%) [+CRZ]:ZIGBEE(1%) [+CRF]:2.4G RF(1%)	[CV DC12V] [+CV DC12V] [CV DC36V] [CV DC42V]		
			H2700K	RA97	2440						
			H3000K	RA97	2630						
			H3500K	RA97	2630						
			H4000K	RA97	2820						
			H5000K	RA97	2820						
	H6000K	RA97	2760								
	2C@30W	TWH	H2700K	H6000K	RA97	2440				>0.9	
	3C@30W	RGB	620nm	520nm	460nm	\				2440	>0.8
	4C@30W	RGBWH	620nm	520nm	460nm	H2700K				\	2440
4C@30W	RGBA	620nm	520nm	460nm	590nm	\	2440	>0.6			
5C@30W	RGBTWH	620nm	520nm	460nm	H2700K	H6000K	\	2440	>0.5		

NOTE:

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Tolerances of power and luminous flux are ±10%, tolerance of color rendering index is ±3.

MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	LUMEN [LM]	POWER FACTOR	BEAM ANGLE	OPTIONAL DIMMING	INPUT [V]		
GTR1701A-MCA80A-MCA80A-IP65	10W [6W]	50x0.5W SMD2835	G2500K	RA90	900	> 0.9	120°	[**+CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [**+CDV0]:0~10V(1%) [CDV1]:1~10V(15%) [+CDX]:DMX512(1%) [+CDA]:DALI(1%) [+CDP]:PWM(1%) [+CRZ]:ZIGBEE(1%) [+CRF]:2.4G RF(1%)	*AC100~277V [AC220~240V] [AC100~347V] [AC180~528V] 50/60Hz		
			G2700K	RA90	1000						
			G3000K	RA90	1060						
			G3500K	RA90	1060						
			G4000K	RA90	1130						
			G5000K	RA90	1130						
G6000K	RA90	1100									
2C@10W	TWG	G2700K	G6000K	RA90	1000	>0.9					
4C@10W	RGBWG	620nm	520nm	460nm	G2700K	\				1000	>0.5
5C@10W	RGBTWG	620nm	520nm	460nm	G2700K	G6000K				\	1000
GTR1701A-MCA95A-MCA95A-IP65	15W [10W]	84x0.5W SMD2835	G2500K	RA90	1260	> 0.9	120°	[**+CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [**+CDV0]:0~10V(1%) [CDV1]:1~10V(15%) [+CDX]:DMX512(1%) [+CDA]:DALI(1%) [+CDP]:PWM(1%) [+CRZ]:ZIGBEE(1%) [+CRF]:2.4G RF(1%)	[CV DC12V] [+CV DC12V] [CV DC36V] [CV DC42V]		
			G2700K	RA90	1400						
			G3000K	RA90	1490						
			G3500K	RA90	1490						
			G4000K	RA90	1580						
			G5000K	RA90	1580						
G6000K	RA90	1530									
2C@15W	TWG	G2700K	G6000K	RA90	1400	>0.7					
4C@15W	RGBWG	620nm	520nm	460nm	G2700K	\				1400	>0.5
5C@15W	RGBTWG	620nm	520nm	460nm	G2700K	G6000K				\	1400
GTR1701A-MCA115A-MCA115A-IP65	20W [15W] [10W]	0x0.5W SMD2835	G2500K	RA90	1800	> 0.9	120°	[**+CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [**+CDV0]:0~10V(1%) [CDV1]:1~10V(15%) [+CDX]:DMX512(1%) [+CDA]:DALI(1%) [+CDP]:PWM(1%) [+CRZ]:ZIGBEE(1%) [+CRF]:2.4G RF(1%)	*AC100~277V [AC220~240V] [AC100~347V] [AC180~528V] 50/60Hz		
			G2700K	RA90	2000						
			G3000K	RA90	2130						
			G3500K	RA90	2130						
			G4000K	RA90	2260						
			G5000K	RA90	2260						
G6000K	RA90	2200									
2C@20W	TWG	G2700K	G6000K	RA90	2000	>0.8					
4C@20W	RGBWG	620nm	520nm	460nm	G2700K	\				2000	>0.6
5C@20W	RGBTWG	620nm	520nm	460nm	G2700K	G6000K				\	2000
GTR1701A-MCA165A-MCA165A-IP65	25W [20W] [15W]	144x0.5W SMD2835	G2500K	RA90	2160	> 0.9	120°	[**+CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [**+CDV0]:0~10V(1%) [CDV1]:1~10V(15%) [+CDX]:DMX512(1%) [+CDA]:DALI(1%) [+CDP]:PWM(1%) [+CRZ]:ZIGBEE(1%) [+CRF]:2.4G RF(1%)	[CV DC12V] [+CV DC12V] [CV DC36V] [CV DC42V]		
			G2700K	RA90	2400						
			G3000K	RA90	2560						
			G3500K	RA90	2560						
			G4000K	RA90	2710						
			G5000K	RA90	2710						
G6000K	RA90	2640									
2C@25W	TWG	G2700K	G6000K	RA90	2400	>0.7					
4C@25W	RGBWG	620nm	520nm	460nm	G2700K	\				2400	>0.5
5C@25W	RGBTWG	620nm	520nm	460nm	G2700K	G6000K				\	2400
GTR1701A-MCA200A-MCA200A-IP65	30W [25W] [20W] [15W]	0x0.5W SMD2835	G2500K	RA90	2700	> 0.9	120°	[**+CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [**+CDV0]:0~10V(1%) [CDV1]:1~10V(15%) [+CDX]:DMX512(1%) [+CDA]:DALI(1%) [+CDP]:PWM(1%) [+CRZ]:ZIGBEE(1%) [+CRF]:2.4G RF(1%)	[CV DC12V] [+CV DC12V] [CV DC36V] [CV DC42V]		
			G2700K	RA90	3000						
			G3000K	RA90	3200						
			G3500K	RA90	3200						
			G4000K	RA90	3380						
			G5000K	RA90	3380						
G6000K	RA90	3290									
2C@30W	TWG	G2700K	G6000K	RA90	3000	>0.8					
4C@30W	RGBWG	620nm	520nm	460nm	G2700K	\				3000	>0.6
5C@30W	RGBTWG	620nm	520nm	460nm	G2700K	G6000K				\	3000

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