

STEVE: LED GARDEN LIGHT

100-277V	WARRANTY	RGBW	30/60/90/120° T2/T3/T4/T5	IP65	IK08	EURO	USA.CA
(MRA80A)-[FWA]	(MRA80A)-[FWH]	(MRA80A)-[FWD]	(MRA80A)-[FWU]	(MRA120A)-[FWA]	(MRA120A)-[FWH]	(MRA120A)-[FWD]	(MRA120A)-[FWU]
(MRA150A)-[FWA]	(MRA150A)-[FWH]	(MRA150A)-[FWD]	(MRA150A)-[FWU]				



(MRA200A)-[FWA]	(MRA300A)-[FWA]
(MRA200A)-[FWH]	(MRA300A)-[FWH]
(MRA200A)-[FWD]	(MRA300A)-[FWD]
(MRA200A)-[FWU]	(MRA300A)-[FWU]



INTRODUCTION

FEATURE

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

MAIN MATERIAL

LED Brand: GUBO
Driver Brand: GUBO
Housing: Aluminum Profile
Optics: Nano Opal PC Lens
BGB: Tapering Horn Baffle Reflecting
[BDC]Diffuser: Anti-UV PC Clear Diffuser
[BDM]Diffuser: Anti-UV PC Opal Diffuser

INSTALLATION

Suitable for Garden, Park, Plaza.....
[FFS]: Flush Surface Mounted
[FPS]: Stem Pendant
[FPC]: Catenary Pendant
[FWA]: Wall Surface Mounted
[FSC]: Slip Fitter Mounted
[FJP]: Fixing Plate on JBOX/Outlet Box
[PSA]: Aluminum Straight Bollard

STANDARD

Designed and Manufactured to Comply with
CE/RoHS/TUV/CB/cETL/SAA Standard

IP65 Protection, Class I Electric

OPTION

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
HF1: Custom Housing Finish Colors by RAL Code

WHITE	BLACK	GREY	DARK GREY	BRASS
RAL9010P	RAL9005P	RAL7042P	RAL7016P	RAL1024P

MODEL	POWER 【W】	LED TYPE	CCT 【K】	CRI	FLUX 【LM】			POWER FACTOR	BEAM ANGLE	OPTIONAL DIMMING	INPUT 【V】
					FRONT	UP	DOWN				
STEVE- MRA80A	FRONT: 12W UP: 6W DOWN: 6W	18x2W SMD3030 6x2W SMD3030 6x2W SMD3030	G2500K	RA90	360	300	300	> 0.9	[FRONT] T2M:V75xH90° [UP&DOWN] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° BL90D:90° BL120D:120° BLV15x45° BLV15x60° BLV30x70°	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%) [+CDP]:PWM(1%) [+CDX]:DMX512(1%) [+CDS]:SPI(1%) Following [Sensor] [CSL]: Photocell Lux Sensor [CSP]: PIR Motion Sensor [CSM]: Micro Motion Sensor [CSMD]: Bi-level Microwave Motion Sensor Following by Remote Driver [Outside Fixture] [CRZ]:ZIGBEE(1%) [CRF]:2.4G RF(1%) [CRB]:Bluetooth(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V] [+CV DC42V]
			G2700K	RA90	460	370	370				
			G3000K	RA90	500	410	410				
			G3500K	RA90	500	410	410				
			G4000K	RA90	530	450	450				
			G5000K	RA90	530	450	450				
			G5700K	RA90	530	450	450				
	G6000K	RA90	520	440	440						
	2C@12W	TWG	G2700K	G6000K	RA90	460	370	370			
4C@12W	RGBW	620nm	520nm	465nm	G2700K	\	460	370	370	> 0.5	
4C@12W	RGBA	620nm	520nm	465nm	590nm	\	460	370	370	> 0.5	
STEVE- MRA120A	FRONT: 20W UP: 9W DOWN: 9W	48x2W SMD3030 12x2W SMD3030 12x2W SMD3030	G2500K	RA90	620	500	500	> 0.9			
			G2700K	RA90	770	630	630				
			G3000K	RA90	830	690	690				
			G3500K	RA90	830	690	690				
			G4000K	RA90	890	750	750				
			G5000K	RA90	890	750	750				
			G5700K	RA90	890	750	750				
	G6000K	RA90	870	740	740						
	2C@20W	TWG	G2700K	G6000K	RA90	770	630	630	> 0.7		
4C@20W	RGBW	620nm	520nm	465nm	G2700K	\	770	630	630	> 0.6	
4C@20W	RGBA	620nm	520nm	465nm	590nm	\	770	630	630	> 0.6	
STEVE- MRA150A MRA150B MRA150C	FRONT: 30W [20W] UP: 12W DOWN: 12W	48x2W SMD3030 18x2W SMD3030 18x2W SMD3030	G2500K	RA90	850	610	610	> 0.9			
			G2700K	RA90	1070	760	760				
			G3000K	RA90	1160	830	830				
			G3500K	RA90	1160	830	830				
			G4000K	RA90	1240	900	900				
			G5000K	RA90	1240	900	900				
			G5700K	RA90	1240	900	900				
	G6000K	RA90	1220	880	880						
	2C@30W	TWG	G2700K	G6000K	RA90	1070	760	760	> 0.7		
4C@30W	RGBW	620nm	520nm	465nm	G2700K	\	1070	760	760	> 0.6	
4C@30W	RGBA	620nm	520nm	465nm	590nm	\	1070	760	760	> 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 ±5.

STEVE: LED GARDEN LIGHT

SPECIFICATION

MODEL	POWER 【W】	LED TYPE	CCT 【K】	CRI	FLUX 【LM】			POWER FACTOR	BEAM ANGLE	OPTIONAL DIMMING	INPUT 【V】
					FRONT	UP	DOWN				
STEVE- MRA200A- MRA200B- MRA200C	FRONT: 40W [30W] [60W] UP: 18W DOWN: 18W	72x2W SMD3030	G2500K	RA90	1220	900	900	>0.9	[FRONT] T2M:V65xH145° T3M:V80xH150° T4M:V85xH150°	[CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%) [CDX]:DMX512(1%) [CDA]:DALI(1%) [CDP]:PWM(1%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz
			G2700K	RA90	1530	1130	1130				
			G3000K	RA90	1650	1240	1240				
			G3500K	RA90	1650	1240	1240				
			G4000K	RA90	1770	1350	1350				
			G5000K	RA90	1770	1350	1350				
			G5700K	RA90	1770	1350	1350				
			G6000K	RA90	1740	1320	1320				
	2C@50W	TWG	G2700K	G6000K	RA90	1530	1130	>0.8	[UP&DOWN] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° BL90D:90° BL120D:120° BLV15x45° BLV15x60° BLV30x70°	[SENSOR] [CSL]:Lux Sensor Following by Remote Driver	[CV DC12V] [CV DC24V] [CV DC36V] [CV DC48V]
	4C@50W	RGBW	620nm	520nm	465nm	G2700K	\	>0.7			
	4C@50W	RGBA	620nm	520nm	465nm	590nm	\	>0.7			
STEVE- MRA300A- MRA300B- MRA300C-	FRONT: 60W [80W] [100W] UP: 24W DOWN: 24W	120x2W SMD3030	G2500K	RA90	1840	1280	1280	>0.9	[FRONT] T2M:V65xH145° T3M:V80xH150° T4M:V85xH150°	[CDT]:TRIAC(1%) [CDV]:0~10V(1%) [CDX]:DMX512(1%) [CDA]:DALI(1%) [CRZ]:Zigbee(1%) [CRB]:Bluetooth(1%)	[CV DC12V] [CV DC24V] [CV DC36V] [CV DC48V]
			G2700K	RA90	2300	1510	1510				
			G3000K	RA90	2480	1650	1650				
			G3500K	RA90	2480	1650	1650				
			G4000K	RA90	2660	1790	1790				
			G5000K	RA90	2660	1790	1790				
			G5700K	RA90	2660	1790	1790				
			G6000K	RA90	2600	1760	1760				
	2C@60W	TWG	G2700K	G6000K	RA90	2300	1510	>0.8	[UP&DOWN] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° BL90D:90° BL120D:120° BLV15x45° BLV15x60° BLV30x70°	[SENSOR] [CSL]:Lux Sensor Following by Remote Driver	[CV DC12V] [CV DC24V] [CV DC36V] [CV DC48V]
	4C@60W	RGBW	620nm	520nm	465nm	G2700K	\	>0.7			
	4C@60W	RGBA	620nm	520nm	465nm	590nm	\	>0.7			

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.

[FW]: Wall Light

DIMENSION 【UNIT: MM】

MR80A:80/3.15"
MR120A:120/4.72"
MR150A:150/4.72"
MR200A:200/7.88"
MR300A:300/11.8"

MR80A:60/2.36"
MR120A:80/3.15"
MR150A:100/3.94"
MR200A:100/3.94"
MR300A:120/4.72"

CASE STUDY: MR150D-FWA

[FWRT]: Wall Recessed Light

DIMENSION 【UNIT: MM】

MR80A:80/3.15"
MR120A:120/4.72"
MR150A:150/4.72"
MR200A:200/7.88"
MR300A:300/11.8"

MR80A:100/3.94"
MR120A:100/3.94"
MR150A:100/3.94"
MR200A:100/3.94"
MR300A:120/4.72"

CASE STUDY: MR80A-FWRT

STEVE: LED GARDEN LIGHT

SPECIFICATION

[FW]: Wall Light	DIMENSION [UNIT: MM]	CASE STUDY:
[FWA] [FWH] [FWU] [FWD]	MR200B: 200/7.88" 150/3.94" MR300B: 300/11.8" 150/3.94"	

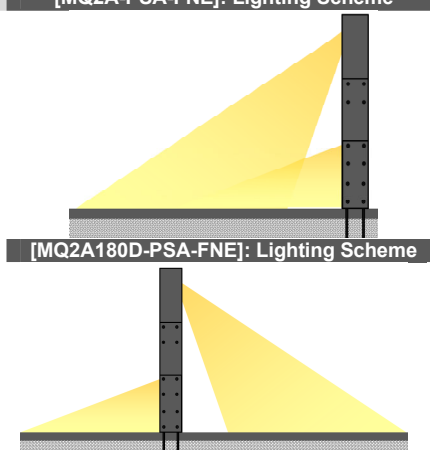
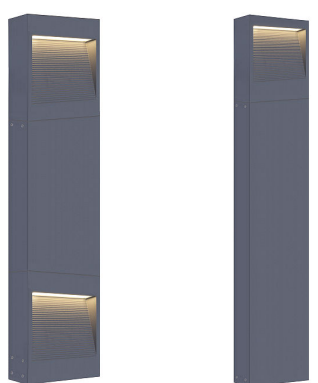
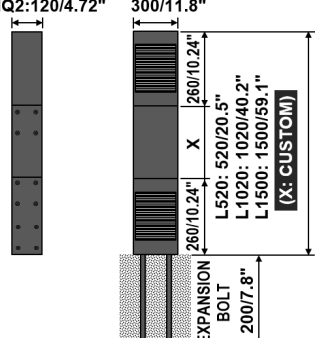
[FWRT]: Wall Recessed Light	DIMENSION [UNIT: MM]	CASE STUDY: MR80A-FWRT
(MR200B)-[FWRT] (MR300B)-[FWRT]	MR200B: 200/7.88" 150/3.94" MR300B: 300/11.8" 150/3.94"	

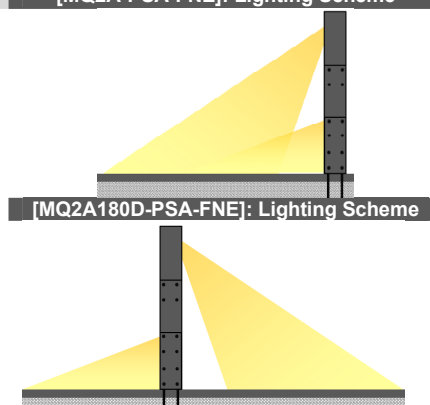
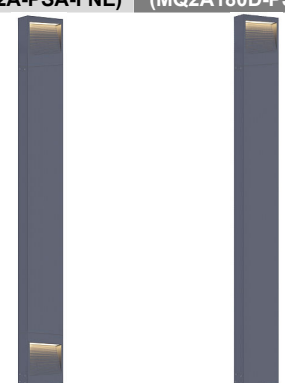
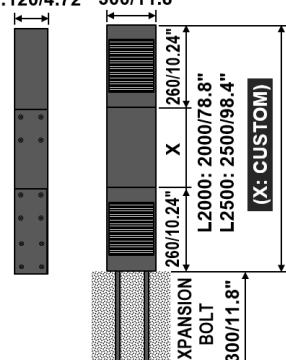
[PSA-FNE]: Bollard	DIMENSION [UNIT: MM]	CASE STUDY: L3600
(MR80A-PSA-FNE) (MR120A-PSA-FNE) (MR150A-PSA-FNE) (MR200A-PSA-FNE) (MR300A-PSA-FNE)	MR80A: 60/2.36" 260/10.24" MR120A: 80/3.15" 260/10.24" MR150A: 100/3.94" 260/10.24" MR200A: 100/3.94" 260/10.24" MR300A: 120/4.72" 260/10.24" EXPANSION BOLT: 200/7.8"	

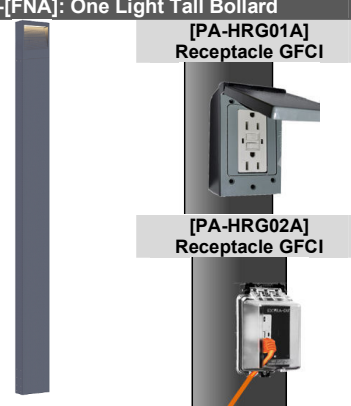
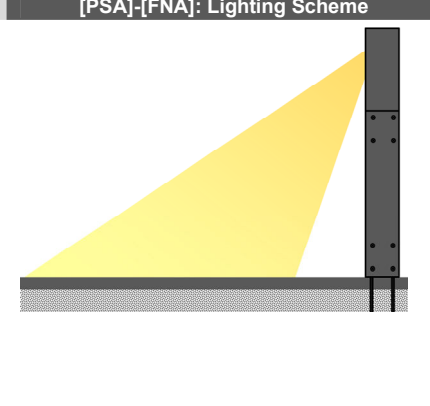
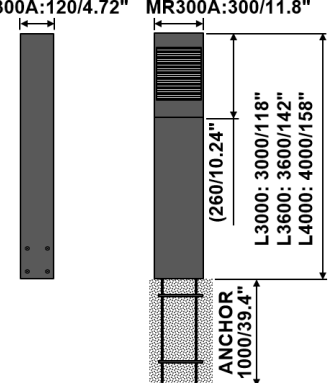
[PSA-FNE]: Tall Bollard	DIMENSION [UNIT: MM]	[PSA-FNE]: Lighting Scheme
	MR200A: 100/3.94" 260/10.24" MR300A: 120/4.72" 260/10.24" EXPANSION BOLT: 300/11.8"	

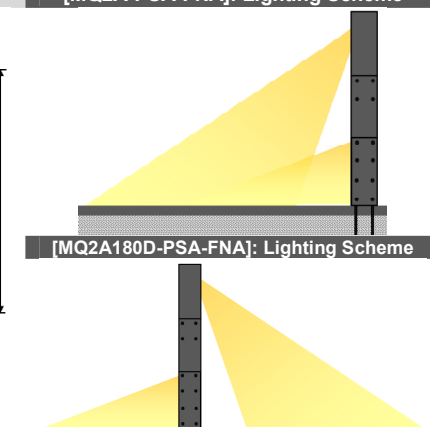
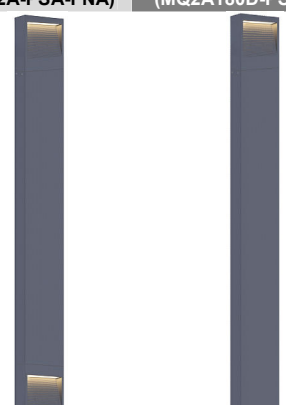
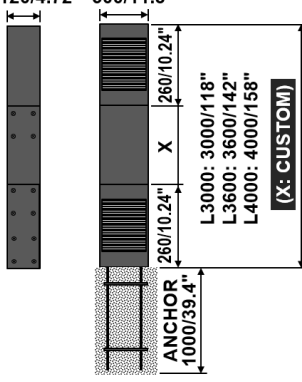
GTG5141D: LED GARDEN LIGHT

SPECIFICATION

[PSA]-[FNE]: Double Light Bollard		DIMENSION [UNIT: MM]		[MQ2A-PSA-FNE]: Lighting Scheme
(MQ2A-PSA-FNE)	(MQ2A180D-PSA-FNE)	MR120A-MQ2:80/3.15"	120/4.72"	
		MR150A-MQ2:100/3.94"	150/4.72"	
		MR200A-MQ2:100/3.94"	200/7.88"	
		MR300A-MQ2:120/4.72"	300/11.8"	
				

[PSA]-[FNE]: Double Light Tall Bollard		DIMENSION [UNIT: MM]		[MQ2A-PSA-FNE]: Lighting Scheme
(MQ2A-PSA-FNE)	(MQ2A180D-PSA-FNE)	MR200A-MQ2:100/3.94"	200/7.88"	
		MR300A-MQ2:120/4.72"	300/11.8"	
				

[PSA]-[FNA]: One Light Tall Bollard		DIMENSION [UNIT: MM]		[PSA]-[FNA]: Lighting Scheme
		MR200A:100/3.94"	MR200A:200/7.88"	
		MR300A:120/4.72"	MR300A:300/11.8"	
				

[PSA]-[FNA]: Double Light Tall Bollard		DIMENSION [UNIT: MM]		[MQ2A-PSA-FNA]: Lighting Scheme
(MQ2A-PSA-FNA)	(MQ2A180D-PSA-FNA)	MR200A-MQ2:100/3.94"	200/7.88"	
		MR300A-MQ2:120/4.72"	300/11.8"	
				

STEVE: LED GARDEN LIGHT

SPECIFICATION

[PSA]-[FNE]: Bollard	DIMENSION [UNIT: MM]	CASE STUDY: MRA150C-L185
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