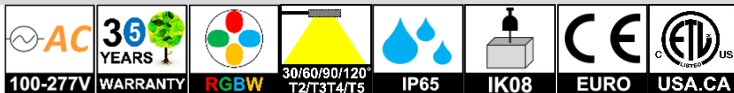


LARS: LED GARDEN LIGHT



(MRA120A)-[PSA]

(MRA200A)-[FWA]

(MRA120A)-[FWA]



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
Diffuser: Clear Tempered Glass

INSTALLATION

Suitable for Garden, Park, Plaza.....

[FFS]: Flush Surface Mounted

[FWA]: 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/TUV/CB/cETL/SAA 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)

Working Temperature[M40C]: -40°C~50°C

[F1]: Custom Housing Finish Colors by RAL Code

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

DIMMING	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	CUSTOM DIMMING	INPUT [V]	
LARS-MRA120A	12W	24x2W SMD3030	G2500K	RA90	650	>0.9	[Symmetric] BL15D:15° BL30D:30° BL30D:45° BL60D:60° BL90D:90° BL120D:120° T5:130° [Oval] BLV15x60D BLV30x90D BLV60x120D BLV90x120D BLV100x160D [Asymmetric] T1S:V50xH145° T2S:V80xH150° T2M:V75xH150° T3S: V60xH100° T3M:V80xH150° T4M:V80xH150° [BDF] 120°	Following by 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%) [CDX]:DMX512(1%) [+CDP]:PWM(1%) Following [Sensor] [CSL] : Photocell Lux Sensor  [CSPD] : Big-level PIR Motion Sensor  [CSMD] : Big-level Microwave Motion Sensor  Following by Remote Driver [Outside Bollard] [CDX]:DMX512(1%) [CDS]:SPI(1%) [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	720					
			G3000K	RA90	780					
			G3500K	RA90	780					
			G4000K	RA90	840					
			G5000K	RA90	840					
			G5700K	RA90	840					
	G6500K	RA90	820							
	2C@12W	TWG	G2700K	G6500K	RA90	580				>0.9
	4C@12W	RGBWG	620nm 520nm 465nm G2700K	\	580	>0.9				
	4C@12W	RGBA	620nm 520nm 465nm 590nm	\	580	>0.9				
	LARS-MRA200A	20W	24x2W SMD3030	G2500K	RA90	1100				>0.9
G2700K				RA90	1210					
G3000K				RA90	1300					
G3500K				RA90	1300					
G4000K				RA90	1400					
G5000K				RA90	840					
G5700K				RA90	1400					
G6500K		RA90	1370							
2C@20W		TWG	G2700K	G6500K	RA90	1050	>0.9			
4C@20W		RGBWG	620nm 520nm 465nm G2700K	\	1050	>0.9				
4C@20W		RGBA	620nm 520nm 465nm 590nm	\	1050	>0.9				
LARS-MRA200A		30W	48x2W SMD3030	G2500K	RA90	1640	>0.9			
	G2700K			RA90	1820					
	G3000K			RA90	1960					
	G3500K			RA90	1960					
	G4000K			RA90	2100					
	G5000K			RA90	840					
	G5700K			RA90	2100					
	G6500K	RA90	2060							
	2C@30W	TWG	G2700K	G6500K	RA90	1520	>0.9			
	4C@30W	RGBWG	620nm 520nm 465nm G2700K	\	1520	>0.9				
	4C@30W	RGBA	620nm 520nm 465nm 590nm	\	1520	>0.9				
	LARS-MRA200A	50W	48x2W SMD3030	G2500K	RA90	2840	>0.9			
G2700K				RA90	3150					
G3000K				RA90	3150					
G3500K				RA90	3390					
G4000K				RA90	3390					
G5000K				RA90	840					
G5700K				RA90	3640					
G6500K		RA90	3570							
2C@50W		TWG	G2700K	G6500K	RA90	2340	>0.9			
4C@50W		RGBWG	620nm 520nm 465nm G2700K	\	2340	>0.9				
4C@50W		RGBA	620nm 520nm 465nm 590nm	\	2340	>0.9				

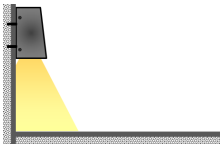
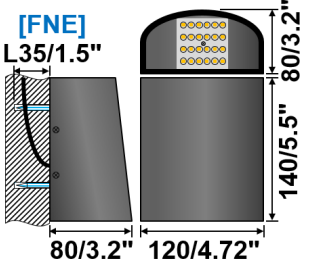
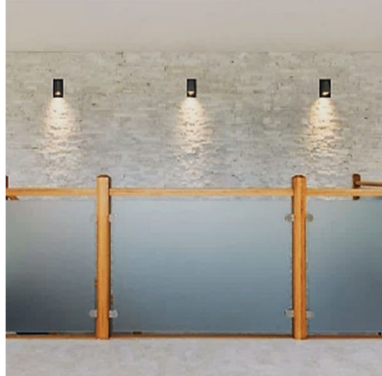
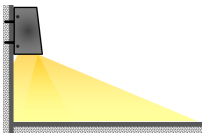
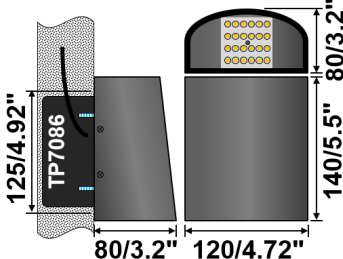
NOTE:

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.

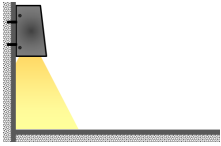
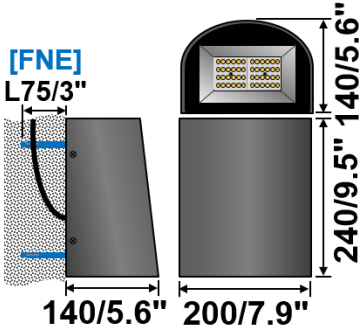
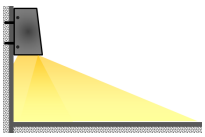
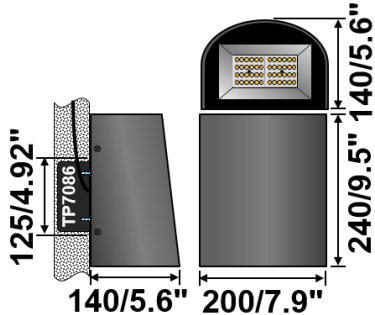
(MRA120A)-[FWA] Wall Surface Mounted Light

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

(MRA120A)	OPTICS [BL30D]	DIMENSION:[UNIT: MM] [FWA]-[FNE] Solid Surface Mounted	CASE STUDY
		 [FNE] L 35/1.5" 80/3.2" 120/4.72" 140/5.5" 80/3.2"	
	[T4M] 	[FWA]-[FJP] JBOX Mounted  125/4.92" TP7086 80/3.2" 120/4.72" 140/5.5" 80/3.2"	

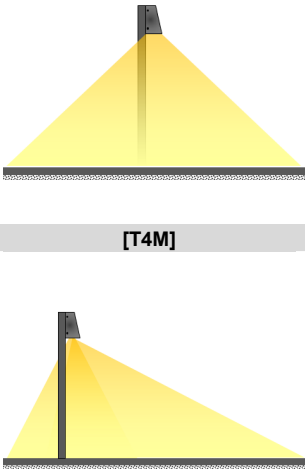
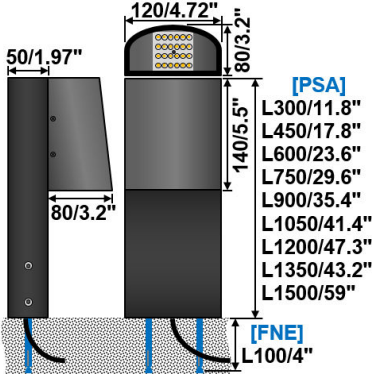
(MRA200A)-[FWA] Wall Surface Mounted Light

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

(MRA200A)	OPTICS [BL30D]	DIMENSION:[UNIT: MM] [FWA]-[FNE] Solid Surface Mounted	CASE STUDY
		 [FNE] L 75/3" 140/5.6" 200/7.9" 240/9.5" 140/5.6"	
	[T4M] 	[FWA]-[FJP] JBOX Mounted  125/4.92" TP7086 140/5.6" 200/7.9" 240/9.5" 140/5.6"	

LARS: LED GARDEN LIGHT

SPECIFICATION

(MRA120A)-[PSA]-[FNE] Bollard Light			
NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.			
(MRA120A)	OPTICS [BL120D]	DIMENSION:[UNIT: MM] [PSA]-[FNE] Solid Ground Mounted	CASE STUDY
			

(MRA200A)-[PSA]-[FNE] Bollard Light			
NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.			
(MRA200A)	OPTICS [BL120D]	DIMENSION:[UNIT: MM] [PSA]-[FNE] Solid Ground Mounted	CASE STUDY
	