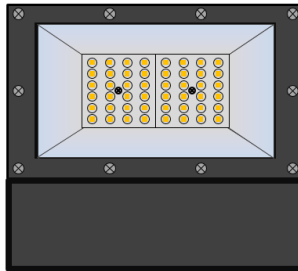
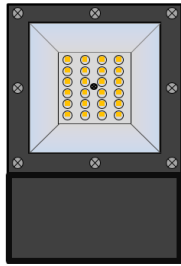
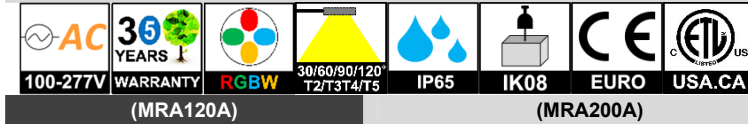
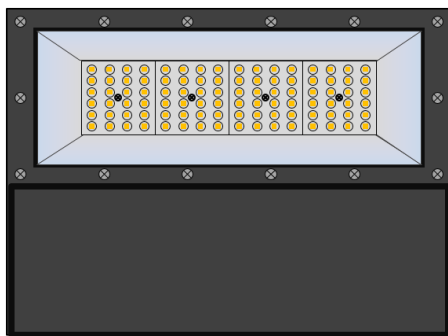


KNUT: LED GARDEN LIGHT



(MRA300A)



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: Module PC Lens
Baffle: Tilt Baffle Reflecting
Diffuser: Clear Tempered Glass
Diffuser: Clear Tempered Diffuser

INSTALLATION

Suitable for Garden, Park, Plaza.....
[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/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]: **WM40°C~50°C**
[SFH]: Custom Housing Finish By RAL Code
[SFB]: Custom Baffle Finish By RAL Code

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

MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	CUSTOM DIMMING	INPUT [V]
KNUT-MRA120A2B	20W [30W] [12W]	24x2W SMD3030	G2500K	RA90	1300	>0.9	[Symmetric] BL30D:30° BL60D:60° BL90D:90° BL120D:120° T5: 150°	[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%)	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V] [+CV DC42V]
			G2700K	RA90	1450				
			G3000K	RA90	1560				
			G3500K	RA90	1560				
			G4000K	RA90	1680				
			G5000K	RA90	1680				
			G5700K	RA90	1680				
2C@20W	TWG	G2700K	G6500K	RA90	1450	>0.9			
4C@20W	RGBWG	620nm 520nm 465nm G2700K	\	1450	>0.9				
4C@20W	RGBA	620nm 520nm 465nm 590nm	\	1450	>0.9				
KNUT-MRA200A2B	40W [50W] [30W] [20W]	48x2W SMD3030	G2500K	RA90	2610	>0.9	[Oval] BLV60x120D BLV90x120D [Asymmetric] T2M:V65xH145° T3M:V80xH150° T4M:V85xH150°	[CSL]: Photocell Lux Sensor  [CSPD]: Big-level PIR Motion Sensor  [CSMD]: Big-level Microwave Motion Sensor 	
			G2700K	RA90	2900				
			G3000K	RA90	3130				
			G3500K	RA90	3130				
			G4000K	RA90	3350				
			G5000K	RA90	3350				
			G5700K	RA90	3350				
G6500K	RA90	3280							
2C@40W	TWG	G2700K	G6500K	RA90	2900	>0.9			
4C@40W	RGBWG	620nm 520nm 465nm G2700K	\	2900	>0.9				
4C@40W	RGBA	620nm 520nm 465nm 590nm	\	2900	>0.9				
KNUT-MRA300A2B	80W [100W] [50W] [40W]	96x2W SMD3030	G2500K	RA90	5210	>0.9	[BDM] OPAL BDM:120°	Following by Remote Driver [Outside Fixture] [CRZ]:ZIGBEE(1%) [CRF]:2.4G RF(1%) [CRB]:Bluetooth(1%)	
			G2700K	RA90	5790				
			G3000K	RA90	6250				
			G3500K	RA90	6250				
			G4000K	RA90	6700				
			G5000K	RA90	6700				
			G5700K	RA90	6700				
G6500K	RA90	6560							
2C@80W	TWG	G2700K	G6500K	RA90	5790	>0.9			
4C@80W	RGBWG	620nm 520nm 465nm G2700K	\	5790	>0.9				
4C@80W	RGBA	620nm 520nm 465nm 590nm	\	5790	>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.

[FFS] Flush Surface Mounted

DIMENSION: [UNIT: MM]

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

(MRA120A)-[FFS]		[FNE]	[FJP]
		[FNE] L35/1.5" 85/3.35" 180/7.1" 120/4.73"	[FJP] TP7126 TP7126 68/2.7" 85/3.35" 180/7.1" 120/4.73"
(MRA200A)-[FFS]		[FNE]	[FJP]
		[FNE] 85/3.35" 200/7.88" 165/6.5"	[FJP] TP7126 TP7126 68/2.7" 85/3.35" 200/7.88" 180/7.1"
(MRA300A)-[FFS]		[FNE]	
		[FNE] L75/3" 125/4.92" 300/11.8" 225/8.86"	

[FWA] Wall Surface Mounted

DIMENSION: [UNIT: MM]

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

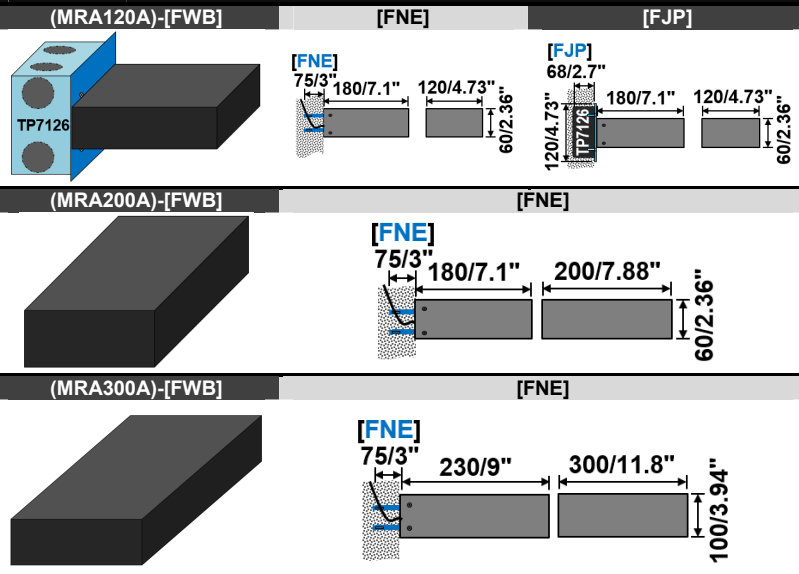
(MRA120A)-[FFS]		[FNE]	[FJP]
		[FNE] 75/3" 180/7.1" 120/4.73" 120/4.73" 30/1.18" 210/8.3"	[FJP] 68/2.7" 180/7.1" 120/4.73" 120/4.73" 30/1.18" 210/8.3"
(MRA200A)-[FFS]		[FNE]	[FJP]
		[FNE] 75/3" 180/7.1" 200/7.88" 120/4.73" 30/1.18" 210/8.3"	[FJP] 68/2.7" 180/7.1" 200/7.88" 120/4.73" 30/1.18" 210/8.3"
(MRA300A)-[FFS]		[FNE]	
		[FNE] 75/3" 230/9" 300/11.8" 120/4.73" 30/1.18" 250/9.84"	

KNUT: LED GARDEN LIGHT

SPECIFICATION

[FWB] WALL SCONE

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



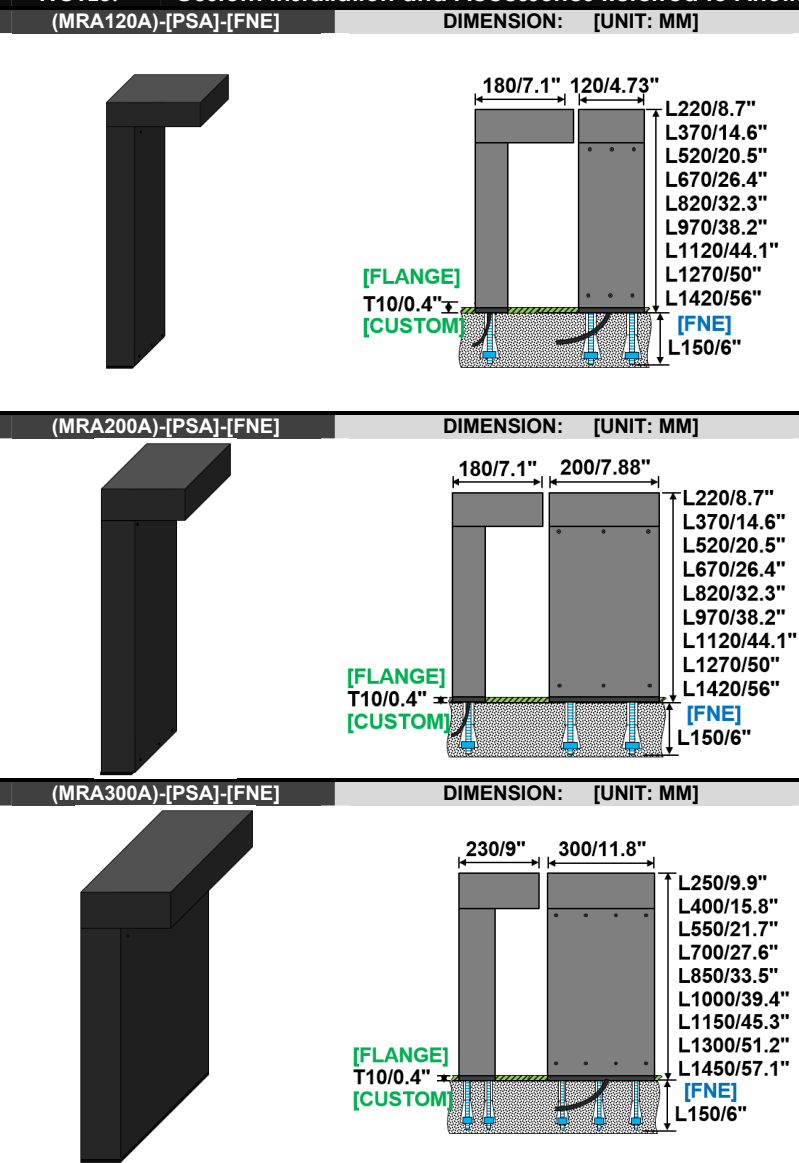
DIMENSION: [UNIT: MM]

CASE STUDY:



[PSA]-[FNE]: Bollard Fixed Expansion Bolt

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



DIMENSION: [UNIT: MM]

CASE STUDY:

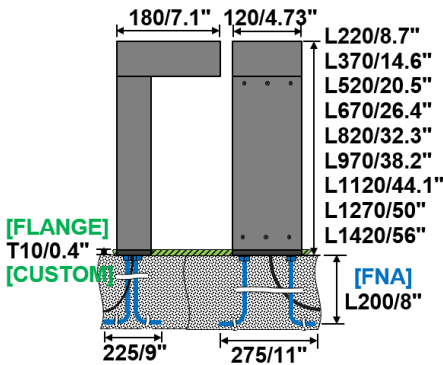
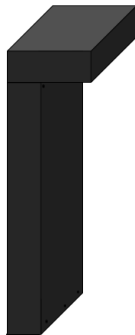
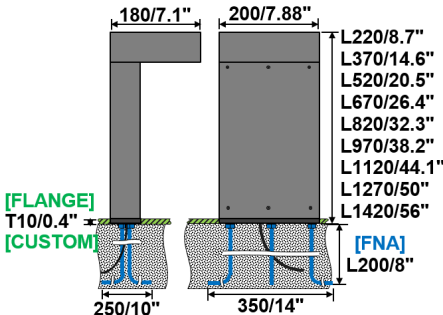
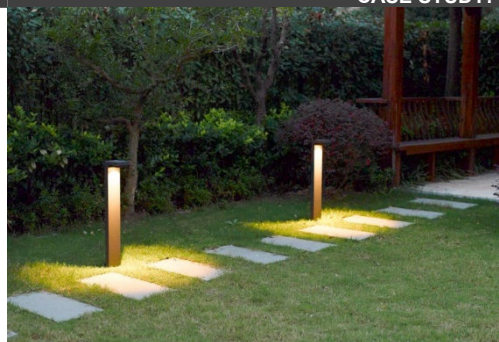
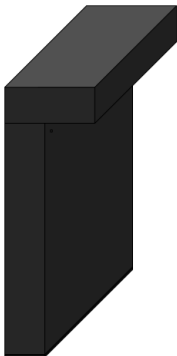
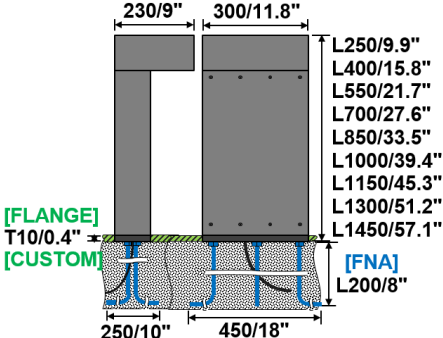


CASE STUDY:



CASE STUDY:



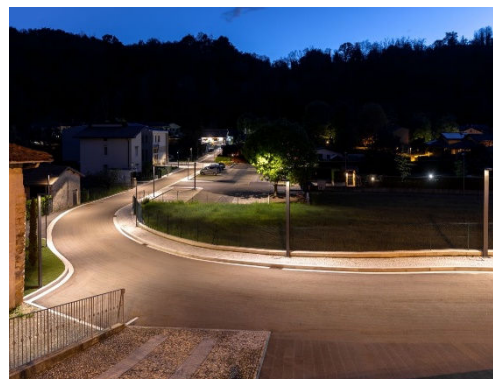
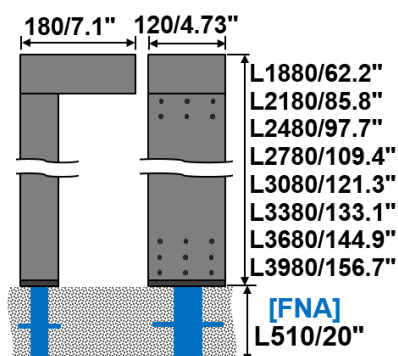
[PSA]-[FNA] Bollard Fixed by Pre-buried Anchor		[UNIT: MM]	
NOTES: Custom Installation and Accessories Referred to Another Specification Catalogue of Fixing Kits.		CASE STUDY:	
(MRA120A)-[PSA]-[FNE]	  180/7.1" 120/4.73" L220/8.7" L370/14.6" L520/20.5" L670/26.4" L820/32.3" L970/38.2" L1120/44.1" L1270/50" L1420/56" [FLANGE] T10/0.4" [CUSTOM] [FNA] L200/8" 225/9" 275/11"		
(MRA200A)-[PSA]-[FNE]	  180/7.1" 200/7.88" L220/8.7" L370/14.6" L520/20.5" L670/26.4" L820/32.3" L970/38.2" L1120/44.1" L1270/50" L1420/56" [FLANGE] T10/0.4" [CUSTOM] [FNA] L200/8" 250/10" 350/14"		
(MRA300A)-[PSA]-[FNE]	  230/9" 300/11.8" L250/9.9" L400/15.8" L550/21.7" L700/27.6" L850/33.5" L1000/39.4" L1150/45.3" L1300/51.2" L1450/57.1" [FLANGE] T10/0.4" [CUSTOM] [FNA] L200/8" 250/10" 450/18"		

[PSA]-[FNA] Tall Bollard

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

(MRA120A)-[PSA]-[FNA]

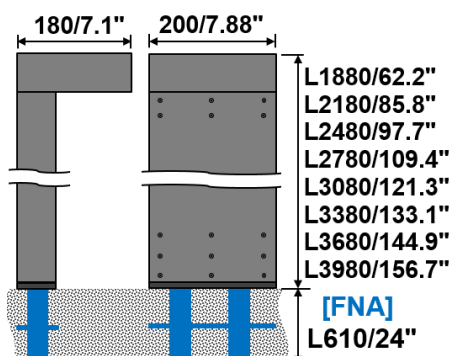
CASE STUDY:



(MRA200A)-[PSA]-[FNA]

DIMENSION: [UNIT: MM]

CASE STUDY:



(MRA300A)-[PSA]-[FNA]

DIMENSION: [UNIT: MM]

CASE STUDY:

