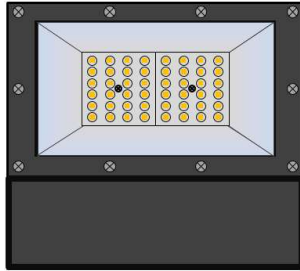
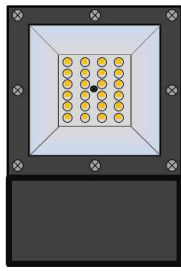
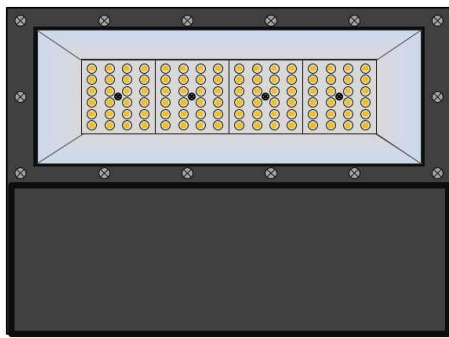


KNUT: LED GARDEN LIGHT

(MRA120A)				(MRA200A)			



(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 RAL9010P	BLACK RAL9005P	DARK GREY RAL7016P	GREY RAL7043P	PEARL GREY RAL9022P
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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]:0~10V(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	
			G2700K	RA90	1450					
			G3000K	RA90	1560					
			G3500K	RA90	1560					
			G4000K	RA90	1680					
			G5000K	RA90	1680					
			G5700K	RA90	1680					
			G6500K	RA90	1640					
2C@20W	TWG	G2700K G6500K	RA90	1450	>0.9	[Oval] BLV60x120D BLV90x120D	Following [Sensor] [CSL]: Photocell Lux Sensor	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz		
4C@20W	RGBWG	620nm 520nm 465nm G2700K	\	1450	>0.9					
4C@20W	RGBA	620nm 520nm 465nm 590nm	\	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	[Asymmetric] T2M:V65xH145° T3M:V80xH150° T4M:V85xH150°	[CSL]: Photocell Lux Sensor	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz	
			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	[BDM] OPAL BDM:120°	Following [Sensor] [CSPD]: Big-level PIR Motion Sensor	AC100~277V [AC100~240V] [AC100~347V] 50/60Hz		
4C@40W	RGBWG	620nm 520nm 465nm G2700K	\	2900	>0.9					
4C@40W	RGBA	620nm 520nm 465nm 590nm	\	2900	>0.9					
4C@40W	RGBA	620nm 520nm 465nm 590nm	\	2900	>0.9					
KNUT-MRA300A2B	75W [100W] [50W] [40W]	96x2W SMD3030	G2500K	RA90	5210	>0.9	[BDM] OPAL BDM:120°	[CSMD]: Big-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
			G2700K	RA90	5790					
			G3000K	RA90	6250					
			G3500K	RA90	6250					
			G4000K	RA90	6700					
			G5000K	RA90	6700					
			G5700K	RA90	6700					
			G6500K	RA90	6560					
2C@75W	TWG	G2700K G6500K	RA90	5790	>0.9	[BDM] OPAL BDM:120°	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		
4C@75W	RGBWG	620nm 520nm 465nm G2700K	\	5790	>0.9					
4C@75W	RGBA	620nm 520nm 465nm 590nm	\	5790	>0.9					
4C@75W	RGBA	620nm 520nm 465nm 590nm	\	5790	>0.9					

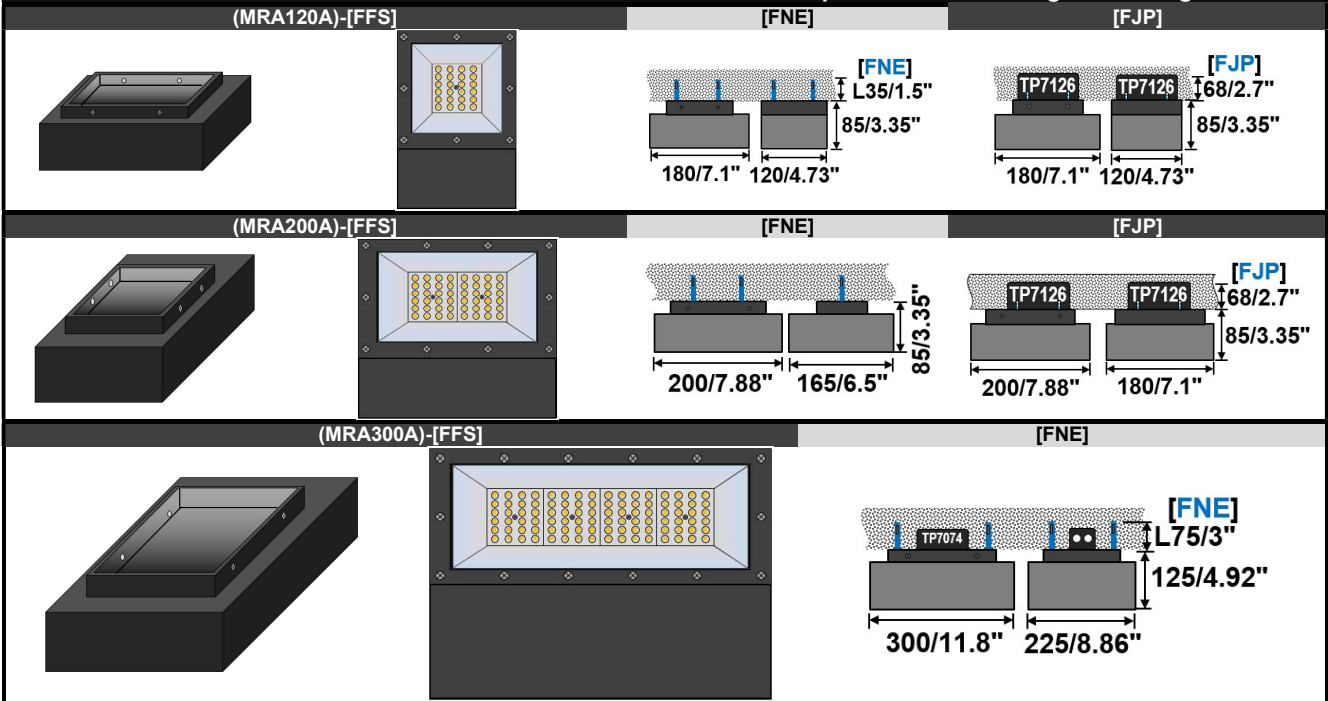
NOTE:

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

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

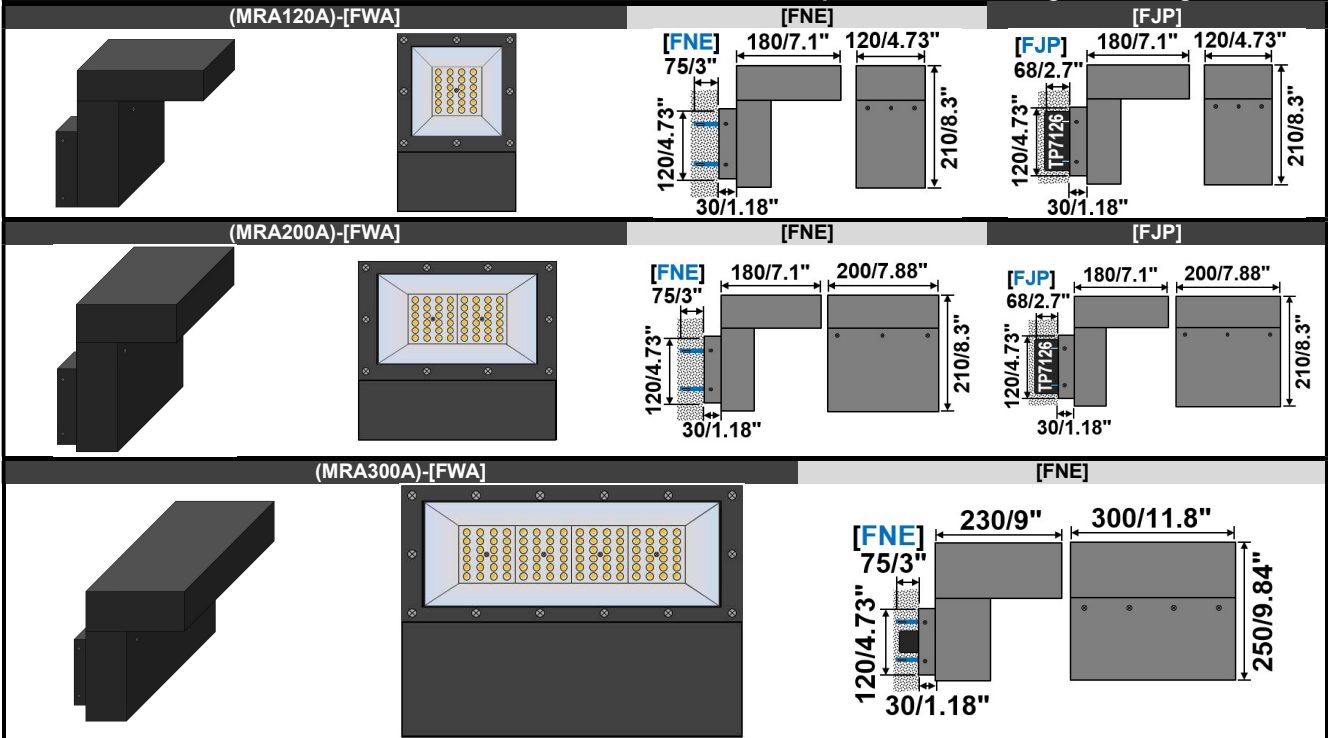
DIMENSION: [UNIT: MM]



[FWA] Wall Surface Mounted

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

DIMENSION: [UNIT: MM]

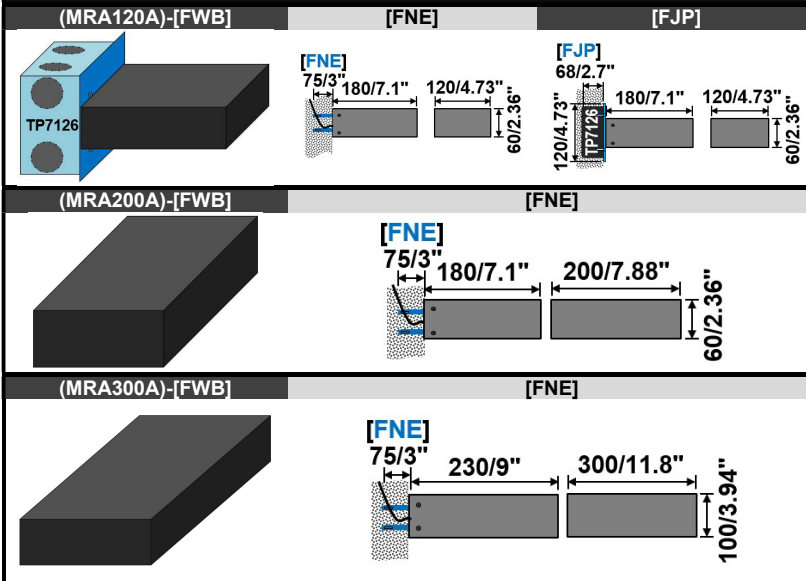


[FWB] WALL SCONE

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

DIMENSION: [UNIT: MM]

CASE STUDY:

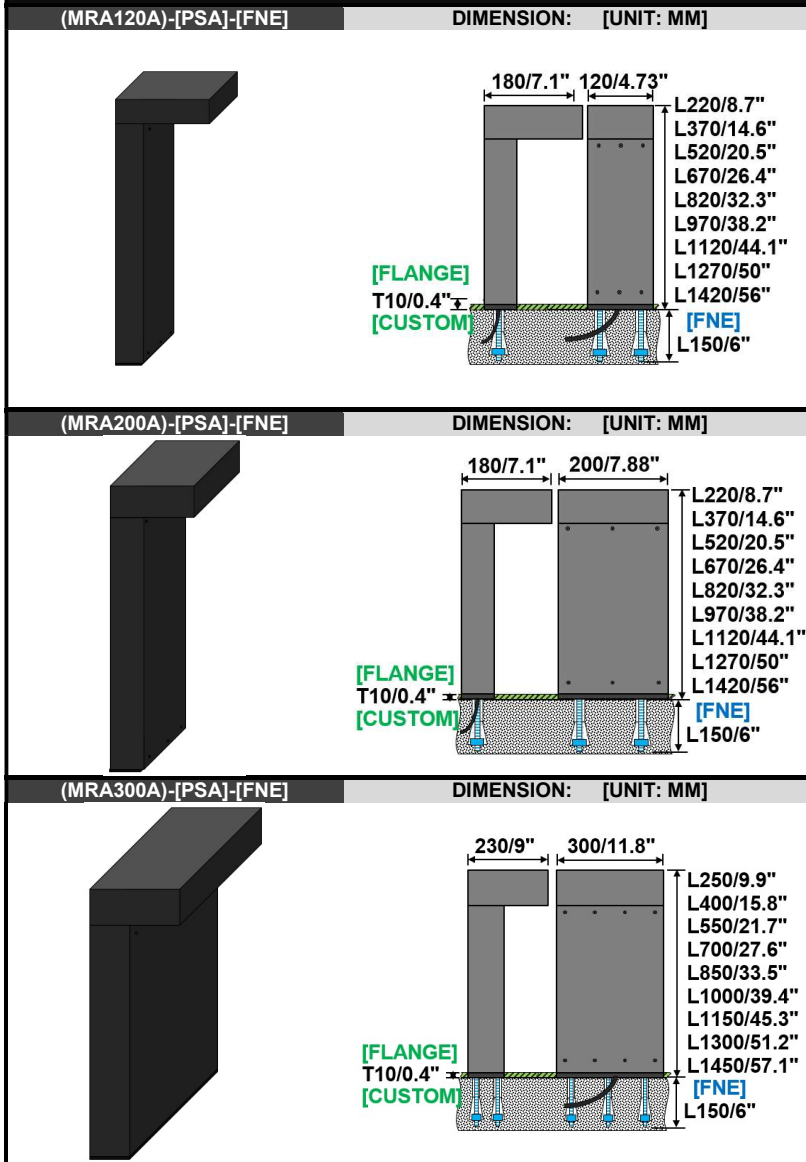


[PSA]-[FNE]: Bollard Fixed Expansion Bolt

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

DIMENSION: [UNIT: MM]


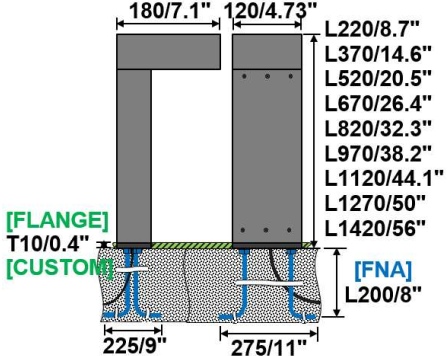


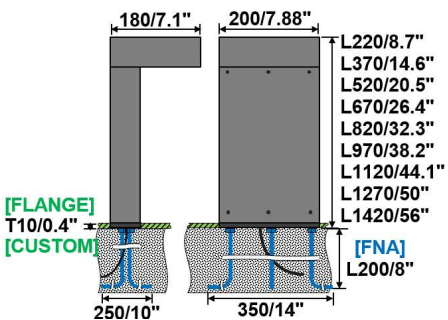

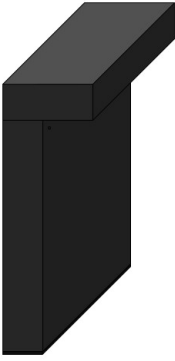
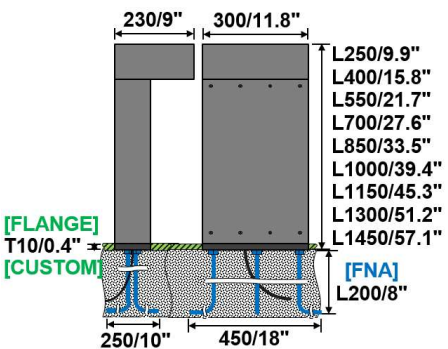

CASE STUDY:



[PSA]-[FNA] Bollard Fixed by Pre-buried Anchor

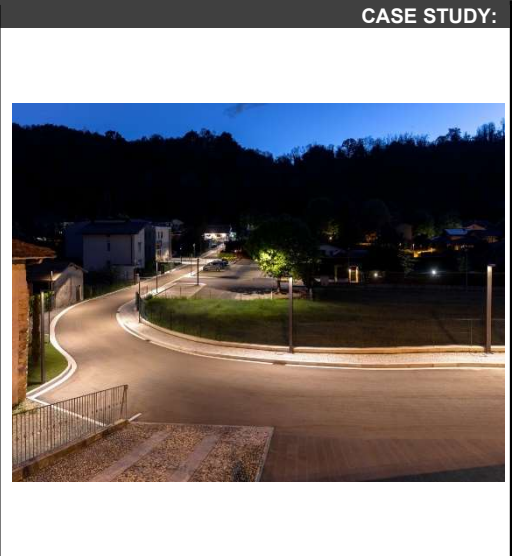
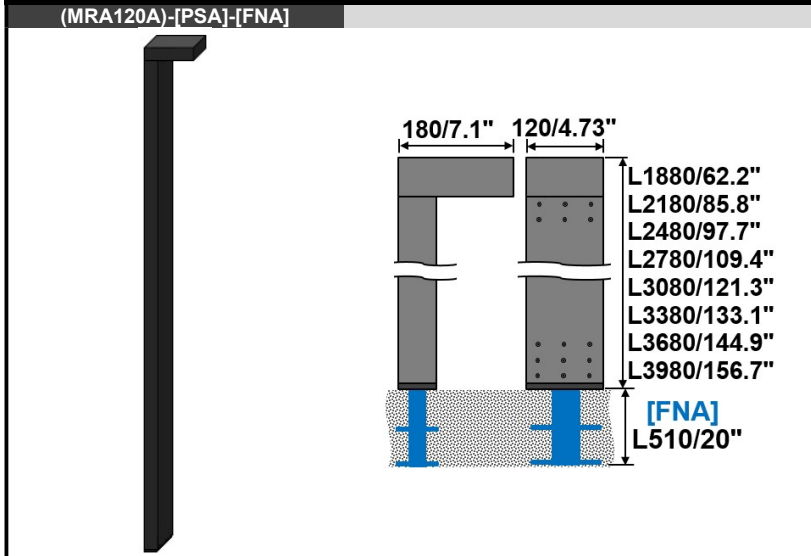
DIMENSION: [UNIT: MM]

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

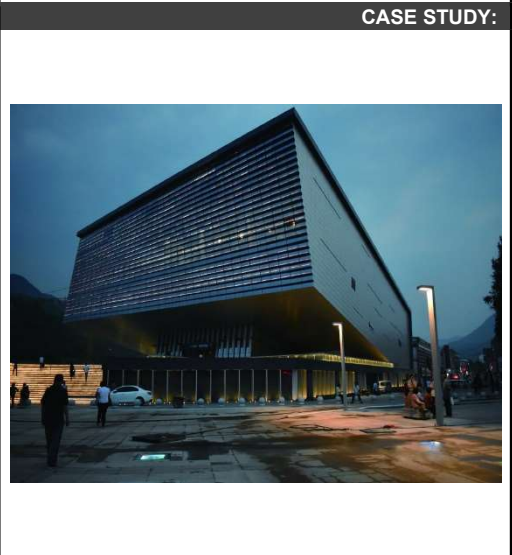
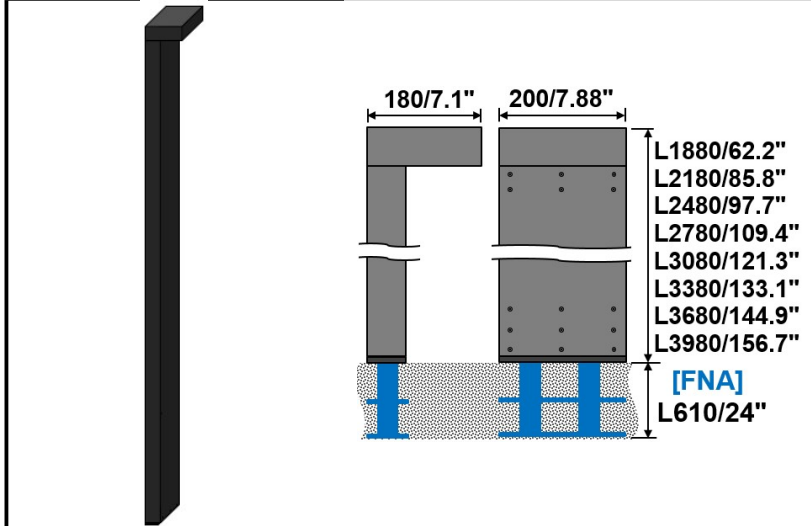
(MRA120A)-[PSA]-[FNE]	DIMENSION: [UNIT: MM]	CASE STUDY:
		
		
		

[PSA]-[FNA] Tall Bollard **DIMENSION: [UNIT: MM]**

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



(MRA200A)-[PSA]-[FNA] **DIMENSION: [UNIT: MM]**



(MRA300A)-[PSA]-[FNA] **DIMENSION: [UNIT: MM]**

