

INTRODUCTION

FEATURE

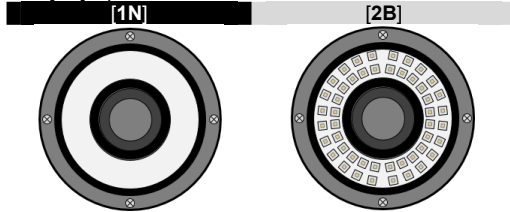
Perfect Luminaires for Driveways and Footpaths
Pleasantly Uniform Light Effects
Suitable for Areas Without Risk of Vandalism
Long Lifespan >50,000hours
Working Temperature: -30°C~50°C

MAIN MATERIAL

LED Brand: GUBO
Driver Brand: GUBO
Housing: Aluminum Profile

[1N] Optics: Opal PC Lens.

[2B] Optics: PC Lens with Clear Glass 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)

[WM40C]: Working Temperature -40°C~50°C

[SFH]: Custom Housing Finish by RAL Code

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

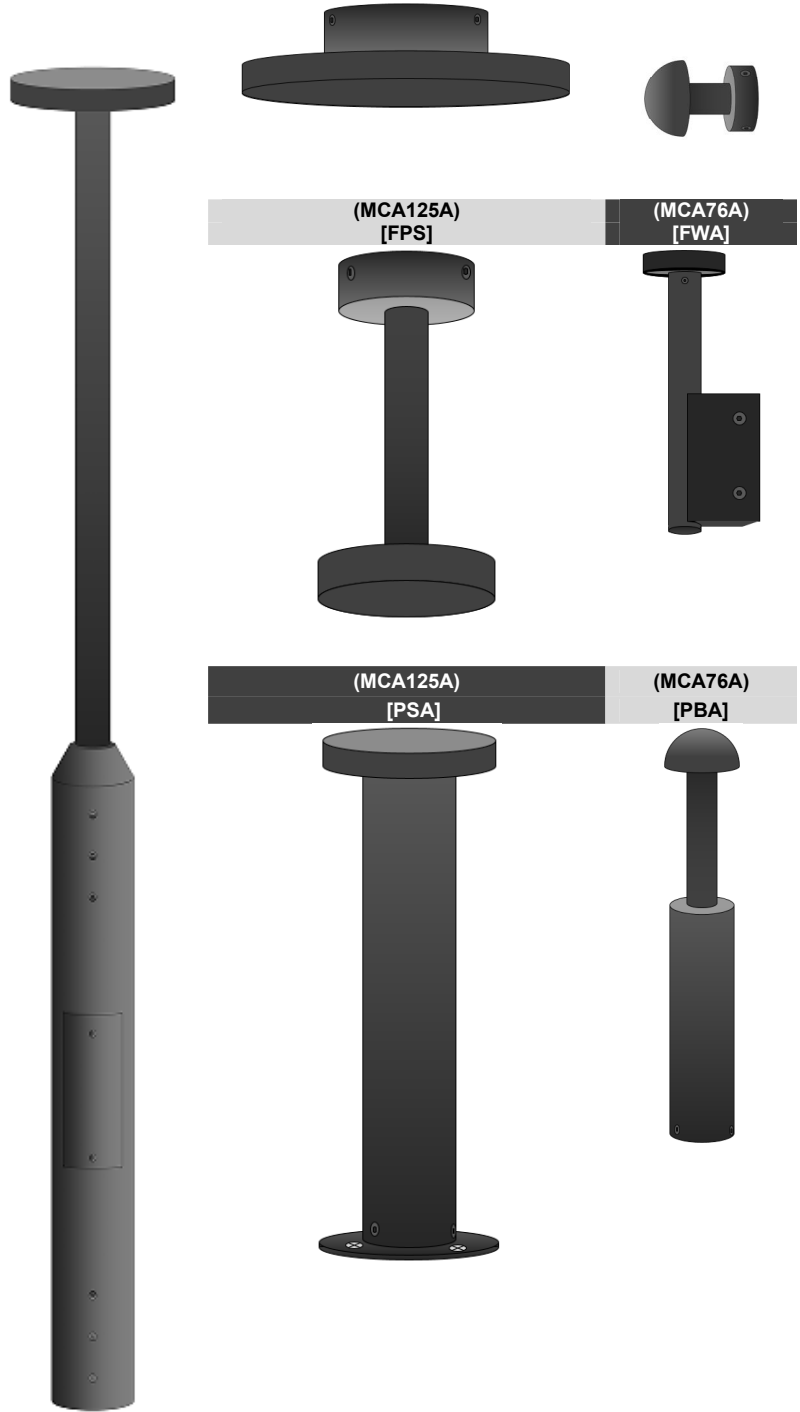
Custom Top Profile

[MTF] Flat Top	[MTD] Dome Top	[MTT] Tilt Top
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ERMA: LED GARDEN LIGHT

100-277V	WARRANTY	RGBW	30/60/90° 120150°	IP65	IK06	EURO	USA.CA
(MCA300A)			(MCA300A)			(MCA76A)	
[PBA] Tall			[FFS]			[FFS]	



SPECIFICATION

ERMA-MCA: LED GARDEN LIGHT

MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	CUSTOM DIMMING	INPUT [V]
ERMA-MCA76A1N	6W [3W]	36x0.5W SMD2835	G2700K	RA90	440	>0.9	[Opal] BDM:120°	[AC100~347V] [CDN]:Non-dim [CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%) [CDA]:DALI(1%) [DC12~48V] [CDN]:Non-dim [+CDP]:PWM(1%) [+CDX]:DMX512(1%) [+CDS]:SPI(1%) Following [Sensor] [CSL]: Photocell Lux Sensor  [CSPD]: Big-level PIR Motion Sensor  [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 [+CV DC12V] [+CV DC24V] [+CV DC42V]
			G3000K	RA90	460				
			G3500K	RA90	460				
			G4000K	RA90	490				
			G5000K	RA90	490				
G6500K	RA90	490							
2C@6W	TWG	G2700K G6500K	RA90	440	>0.9				
4C@6W	RGBWG	620nm 520nm 460nm 2700K	\	440	>0.9				
ERMA-MCA76B1N MCA95A1N	10W [6W]	60x0.5W SMD2835	G2700K	RA90	730	>0.9			
			G3000K	RA90	770				
			G3500K	RA90	770				
			G4000K	RA90	820				
			G5000K	RA90	820				
G6500K	RA90	820							
2C@10W	TWG	G2700K G6500K	RA90	730	>0.9				
4C@10W	RGBWG	620nm 520nm 460nm 2700K	\	730	>0.9				
ERMA-MCA95B1N MCA125A1N	15W [20W] [12W]	72x0.5W SMD2835	G2700K	RA90	1010	>0.9			
			G3000K	RA90	1100				
			G3500K	RA90	1100				
			G4000K	RA90	1140				
			G5000K	RA90	1140				
G6500K	RA90	1140							
2C@15W	TWG	G2700K G6500K	RA90	1010	>0.9				
4C@15W	RGBWG	620nm 520nm 460nm 2700K	\	1010	>0.9				
ERMA-MCA125B1N MCA160A1N	20W [30W] [12W]	96x0.5W SMD2835	G2700K	RA90	1450	>0.9			
			G3000K	RA90	1550				
			G3500K	RA90	1550				
			G4000K	RA90	1630				
			G5000K	RA90	1630				
G6500K	RA90	1630							
2C@20W	TWG	G2700K G6500K	RA90	1450	>0.9				
4C@20W	RGBWG	620nm 520nm 460nm 2700K	\	1450	>0.9				
ERMA-MCA200A1N	30W [40W] [20W] [12W]	144x0.5W SMD2835	G2700K	RA90	2180	>0.9			
			G3000K	RA90	2310				
			G3500K	RA90	2310				
			G4000K	RA90	2450				
			G5000K	RA90	2450				
G6500K	RA90	2450							
2C@30W	TWG	G2700K G6500K	RA90	2180	>0.9				
4C@30W	RGBWG	620nm 520nm 460nm 2700K	\	2180	>0.9				
ERMA-MCA160B1N MCA250A1N	40W [50W] [30W] [20W]	192x0.5W SMD2835	G2700K	RA90	2910	>0.9			
			G3000K	RA90	3100				
			G3500K	RA90	3100				
			G4000K	RA90	3270				
			G5000K	RA90	3270				
G6500K	RA90	3270							
2C@40W	TWG	G2700K G6500K	RA90	2910	>0.9				
4C@40W	RGBWG	620nm 520nm 460nm 2700K	\	2910	>0.9				
ERMA-MCA200B1N MCA300A1N	50W [60W] [40W] [30W]	240x0.5W SMD2835	G2700K	RA90	3510	>0.9			
			G3000K	RA90	3730				
			G3500K	RA90	3730				
			G4000K	RA90	3950				
			G5000K	RA90	3950				
G6500K	RA90	3950							
2C@50W	TWG	G2700K G6500K	RA90	3510	>0.9				
4C@50W	RGBWG	620nm 520nm 460nm 2700K	\	3510	>0.9				
ERMA-MCA350A1N	60W [75W] [50W] [40W] [30W]	288x0.5W SMD2835	G2700K	RA90	4360	>0.9			
			G3000K	RA90	4630				
			G3500K	RA90	4630				
			G4000K	RA90	4900				
			G5000K	RA90	4900				
G6500K	RA90	4900							
2C@60W	TWG	G2700K G6500K	RA90	4360	>0.9				
4C@60W	RGBWG	520nm 460nm 2700K \	4360	4360	>0.9				
ERMA-MCA300B1N MCA400A1N	75W [100W] [50W]	360x0.5W SMD2835	G2700K	RA90	5260	>0.9			
			G3000K	RA90	5590				
			G3500K	RA90	5590				
			G4000K	RA90	5920				
			G5000K	RA90	5920				
G6500K	RA90	5920							
2C@75W	TWG	G2700K G6500K	RA90	5260	>0.9				
4C@75W	RGBWG	620nm 520nm 460nm 2700K	\	5260	>0.9				
ERMA-MCA500A1N MCA500B1N	120W [150W] [100W] [75W] [50W]	480x0.5W SMD2835	G2700K	RA90	8710	>0.9			
			G3000K	RA90	9250				
			G3500K	RA90	9250				
			G4000K	RA90	9800				
			G5000K	RA90	9800				
G6500K	RA90	9800							
2C@120W	TWG	G2700K G6500K	RA90	8710	>0.9				
4C@120W	RGBWG	620nm 520nm 460nm 2700K	\	8710	>0.9				

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.

SPECIFICATION

ERMA-MCA: LED GARDEN LIGHT

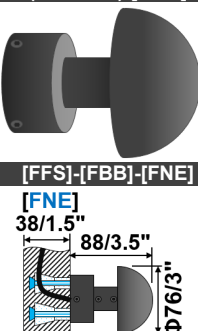
MODEL	POWER [W]	LED TYPE	CCT [K]		CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	CUSTOM DIMMING	INPUT [V]	
ERMA-MCA76A2B	6W [3W]	6x2W SMD3030	G2700K		RA90	440	>0.9	[Symmetric] BL30D:30° BL60D:60° BL90D:90° BL120D:120° [Louver] BGL LM-25% 	[AC100~347V] [CDN]:Non-dim [CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%) [CDA]:DALI(1%) [DC12~48V] [CDN]:Non-dim [+CDP]:PWM(1%) [+CDX]:DMX512(1%) [+CDS]:SPI(1%) Following [Sensor] [CSL]: Photocell Lux Sensor  [CSPD]: Big-level PIR Motion Sensor  [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 [+CV DC12V] [+CV DC24V] [+CV DC42V]	
			G3000K		RA90	460					
			G3500K		RA90	460					
			G4000K		RA90	490					
G5000K		RA90	490								
G6500K		RA90	490								
2C@6W	TWG	G2700K	G6500K	RA90	440	>0.9					
4C@6W	RGBWG	620nm	520nm	460nm	2700K	\	440				>0.9
ERMA-MCA76B2B MCA95A2B	10W [6W]	12x2W SMD3030	G2700K		RA90	730	>0.9				
			G3000K		RA90	770					
			G3500K		RA90	770					
			G4000K		RA90	820					
G5000K		RA90	820								
G6500K		RA90	820								
2C@10W	TWG	G2700K	G6500K	RA90	730	>0.9					
4C@10W	RGBWG	620nm	520nm	460nm	2700K	\	730				>0.9
ERMA-MCA95B2B MCA125A2B	15W [20W] [10W] [6W]	24x2W SMD3030	G2700K		RA90	1010	>0.9				
			G3000K		RA90	1100					
			G3500K		RA90	1100					
			G4000K		RA90	1140					
G5000K		RA90	1140								
G6500K		RA90	1140								
2C@15W	TWG	G2700K	G6500K	RA90	1010	>0.9					
4C@15W	RGBWG	620nm	520nm	460nm	2700K	\	1010	>0.9			
ERMA-MCA125B2B MCA160A2B	20W [30W] [10W]	24x2W SMD3030	G2700K		RA90	1450	>0.9				
			G3000K		RA90	1550					
			G3500K		RA90	1550					
			G4000K		RA90	1630					
G5000K		RA90	1630								
G6500K		RA90	1630								
2C@20W	TWG	G2700K	G6500K	RA90	1450	>0.9					
4C@20W	RGBWG	620nm	520nm	460nm	2700K	\	1450	>0.9			
ERMA-MCA200A2B	30W [40W] [20W] [12W]	36x2W SMD3030	G2700K		RA90	2180	>0.9				
			G3000K		RA90	2310					
			G3500K		RA90	2310					
			G4000K		RA90	2450					
G5000K		RA90	2450								
G6500K		RA90	2450								
2C@30W	TWG	G2700K	G6500K	RA90	2180	>0.9					
4C@30W	RGBWG	620nm	520nm	460nm	2700K	\	2180	>0.9			
ERMA-MCA160B2B MCA250A2B	40W [50W] [30W] [20W]	48x2W SMD3030	G2700K		RA90	2910	>0.9				
			G3000K		RA90	3100					
			G3500K		RA90	3100					
			G4000K		RA90	3270					
G5000K		RA90	3270								
G6500K		RA90	3270								
2C@40W	TWG	G2700K	G6500K	RA90	2910	>0.9					
4C@40W	RGBWG	620nm	520nm	460nm	2700K	\	2910	>0.9			
ERMA-MCA200B2B MCA300A2B	50W [60W] [40W] [30W]	60x2W SMD3030	G2700K		RA90	3510	>0.9				
			G3000K		RA90	3730					
			G3500K		RA90	3730					
			G4000K		RA90	3950					
G5000K		RA90	3950								
G6500K		RA90	3950								
2C@50W	TWG	G2700K	G6500K	RA90	3510	>0.9					
4C@50W	RGBWG	620nm	520nm	460nm	2700K	\	3510	>0.9			
ERMA-MCA350A2B	60W [75W] [50W] [40W] [30W]	96x2W SMD3030	G2700K		RA90	4360	>0.9				
			G3000K		RA90	4630					
			G3500K		RA90	4630					
			G4000K		RA90	4900					
G5000K		RA90	4900								
G6500K		RA90	4900								
2C@60W	TWG	G2700K	G6500K	RA90	4360	>0.9					
4C@60W	RGBWG	620nm	520nm	460nm	2700K	\	4360	>0.9			
ERMA-MCA300B2B MCA400A2B	75W [100W] [50W]	180x2W SMD3030	G2700K		RA90	5260	>0.9				
			G3000K		RA90	5590					
			G3500K		RA90	5590					
			G4000K		RA90	5920					
G5000K		RA90	5920								
G6500K		RA90	5920								
2C@75W	TWG	G2700K	G6500K	RA90	5260	>0.9					
4C@75W	RGBWG	620nm	520nm	460nm	2700K	\	5260	>0.9			
ERMA-MCA500A2B MCA500B2B	120W [150W] [100W] [75W] [50W]	240x2W SMD3030	G2700K		RA90	8710	>0.9				
			G3000K		RA90	9250					
			G3500K		RA90	9250					
			G4000K		RA90	9800					
G5000K		RA90	9800								
G6500K		RA90	9800								
2C@120W	TWG	G2700K	G6500K	RA90	8710	>0.9					
4C@120W	RGBWG	620nm	520nm	460nm	2700K	\	8710	>0.9			

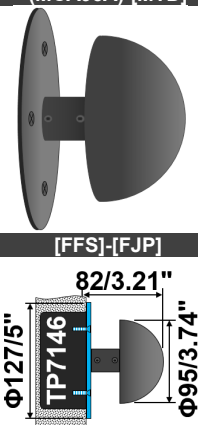
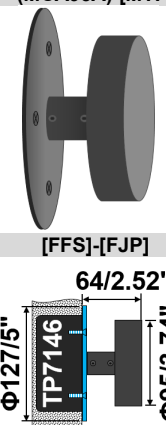
NOTE:

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.

SPECIFICATION

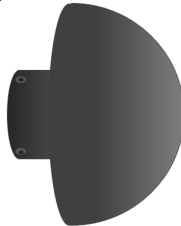
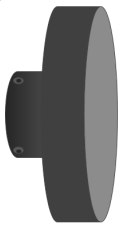
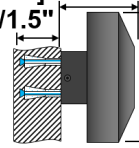
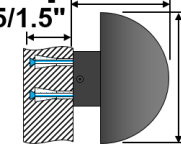
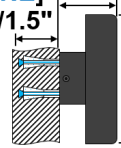
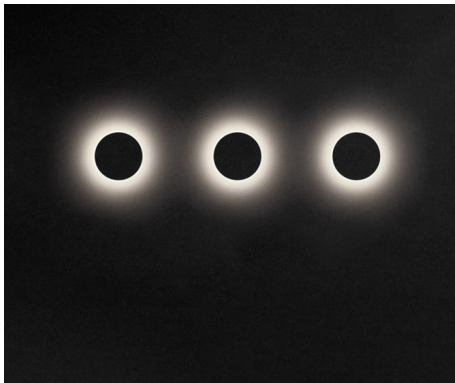
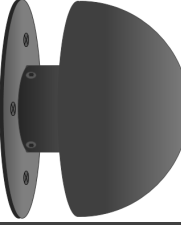
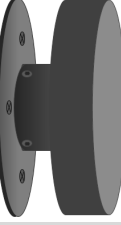
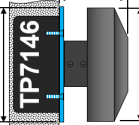
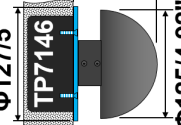
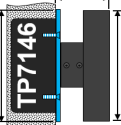
ERMA-MCA: LED GARDEN LIGHT

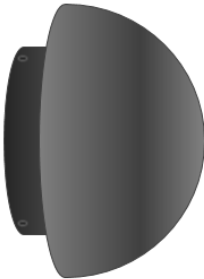
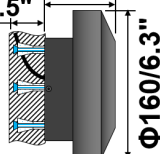
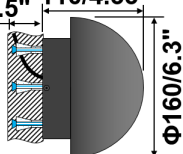
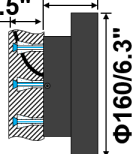
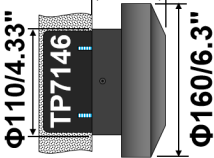
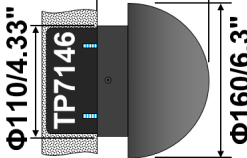
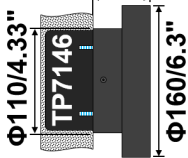
DIMENSION:[UNIT: MM]		(MCA76A)-[FFS] Flush Surface Mounted Light		
NOTES:	Remote Mounting LED driver (outside of the fixture).			
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.			
CASE STUDY:		(MCA76A)-[MTT]	(MCA76A)-[MTD]	(MCA76A)-[MTF]
				
	[FFS]-[FBB]-[FNE]		[FFS]-[FBB]-[FNE]	
	[FNE] 38/1.5" 88/3.5" Φ76/3"		[FNE] 38/1.5" 88/3.5" Φ76/3"	
CASE STUDY:		(MCA76A)-[MTT]	(MCA76A)-[MTD]	(MCA76A)-[MTF]
				
	[FFS]-[FJP]		[FFS]-[FJP]	
	67/2.64" Φ127/5" TP7146 Φ76/3"		67/2.64" Φ127/5" TP7146 Φ76/3"	
				
			[FFS]-[FJP] 54/2.13" Φ127/5" TP7146 Φ76/3"	

DIMENSION:[UNIT: MM]		(MCA95A)-[FFS] Flush Surface Mounted Light		
NOTES:	Remote Mounting LED driver (outside of the fixture).			
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.			
CASE STUDY:		(MCA95A)-[MTT]	(MCA95A)-[MTD]	(MCA95A)-[MTF]
				
	[FFS]-[FBB]-[FNE]		[FFS]-[FBB]-[FNE]	
	[FNE] 38/1.5" 100/3.94" Φ95/3.74"		[FNE] 38/1.5" 103/4.04" Φ95/3.74"	
CASE STUDY:		(MCA95A)-[MTT]	(MCA95A)-[MTD]	(MCA95A)-[MTF]
				
	[FFS]-[FJP]		[FFS]-[FJP]	
	79/3.11" Φ127/5" TP7146 Φ95/3.74"		82/3.21" Φ127/5" TP7146 Φ95/3.74"	
				
			[FFS]-[FJP] 64/2.52" Φ127/5" TP7146 Φ95/3.74"	

SPECIFICATION

ERMA-MCA: LED GARDEN LIGHT

DIMENSION:[UNIT: MM]		(MCA125A)-[FFS] Flush Surface Mounted Light		
NOTES:	Remote Mounting LED driver (outside of the fixture).			
NOTES:	LED driver (≤12W) can be Integrated inside the 4" Jbox.			
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.			
CASE STUDY:	(MCA125A)-[MTT]	(MCA125A)-[MTD]	(MCA125A)-[MTF]	
				
	[FFS]-[FNE] [FNE] 70/2.76" 35/1.5" Φ125/4.92"	[FFS]-[FNE] [FNE] 88/3.44" 35/1.5" Φ125/4.92"	[FFS]-[FNE] [FNE] 55/2.17" 35/1.5" Φ125/4.92"	
				
	(MCA125A)-[MTT]	(MCA125A)-[MTD]	(MCA125A)-[MTF]	
				
	[FFS]-[FJP] 74/2.91" Φ127/5" TP7146 Φ125/4.92"	[FFS]-[FJP] 92/3.6" Φ127/5" TP7146 Φ125/4.92"	[FFS]-[FJP] 59/2.32" Φ127/5" TP7146 Φ125/4.92"	
				

DIMENSION:[UNIT: MM]		(MCA160A)-[FFS] Flush Surface Mounted Light		
NOTES:	LED driver (≤12W) can be Integrated inside the box. Others needs be Remote Mounting.			
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.			
CASE STUDY:	(MCA160A)-[MTT]	(MCA160A)-[MTD]	(MCA160A)-[MTF]	
				
	[FFS]-[FNE]	[FFS]-[FNE]	[FFS]-[FNE]	
	[FNE] 35/1.5" 75/2.95"  Φ160/6.3"	[FNE] 35/1.5" 110/4.33"  Φ160/6.3"	[FNE] 35/1.5" 60/2.36"  Φ160/6.3"	
	[FFS]-[FJP]	[FFS]-[FJP]	[FFS]-[FJP]	
	TP7146 110/4.33" 75/2.95"  Φ160/6.3"	TP7146 110/4.33" 110/4.33"  Φ160/6.3"	TP7146 110/4.33" 60/2.36"  Φ160/6.3"	

SPECIFICATION

ERMA-MCA: LED GARDEN LIGHT

DIMENSION:[UNIT: MM]

(MCA200A)-[FFS] Flush Surface Mounted Light

NOTES: LED driver ($\leq 30W$) can be Integrated inside the box. Others needs be Remote Mounting.

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

CASE STUDY:

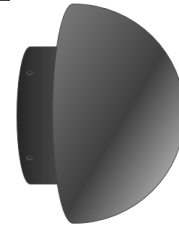
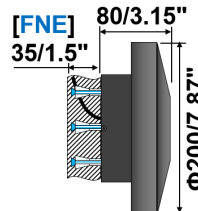
(MCA200A)-[MTT]

(MCA200A)-[MTD]

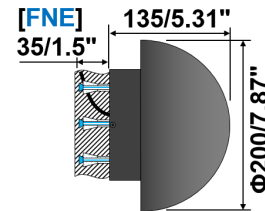
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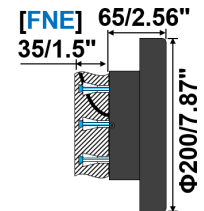
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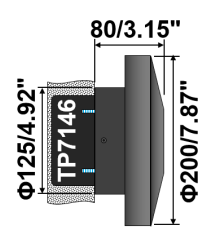
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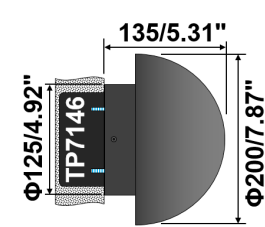
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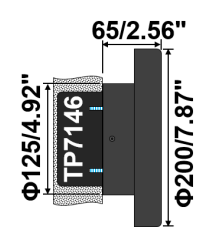
[FFS]-[FJP]



[FFS]-[FJP]



[FFS]-[FJP]



DIMENSION:[UNIT: MM]

(MCA250A)-[FFS] Flush Surface Mounted Light

NOTES: LED driver ($\leq 30W$) can be Integrated inside the box. Others needs be Remote Mounting.

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

CASE STUDY:

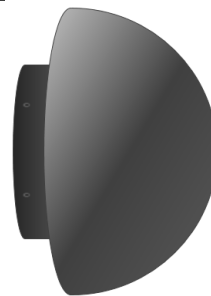
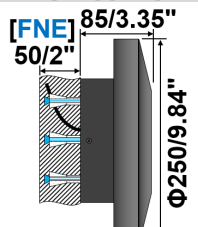
(MCA250A)-[MTT]

(MCA250A)-[MTD]

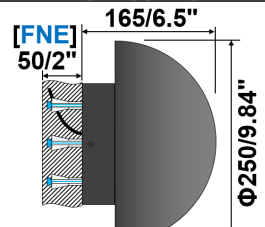
(MCA250A)-[MTF]



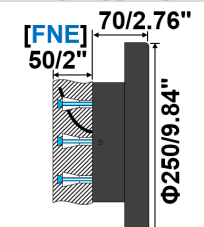
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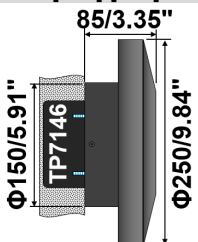
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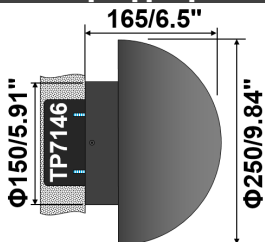
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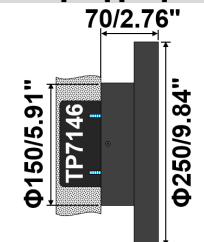
[FFS]-[FJP]



[FFS]-[FJP]



[FFS]-[FJP]



SPECIFICATION

ERMA-MCA: LED GARDEN LIGHT

DIMENSION:[UNIT: MM]

(MCA300A)-[FFS] Flush Surface Mounted Light

NOTES: LED driver (≤40W) can be Integrated inside the box. Others needs be Remote Mounting.

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

CASE STUDY:

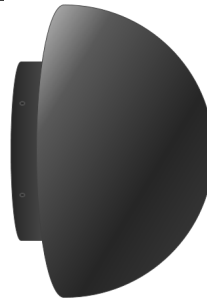
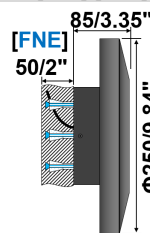
(MCA300A)-[MTT]

(MCA300A)-[MTD]

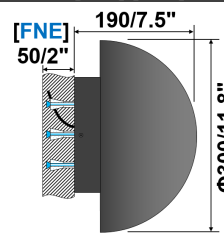
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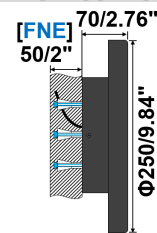
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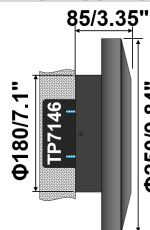
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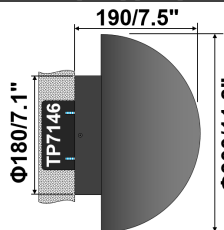
[FFS]-[FNE]



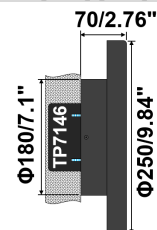
[FFS]-[FJP]



[FFS]-[FJP]



[FFS]-[FJP]



DIMENSION:[UNIT: MM]

(MCA350A)-[FFS] Flush Surface Mounted Light

NOTES: LED driver (≤50W) can be Integrated inside the box. Others needs be Remote Mounting.

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

CASE STUDY:

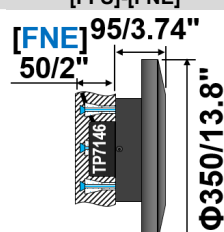
(MCA350A)-[MTT]

(MCA350A)-[MTD]

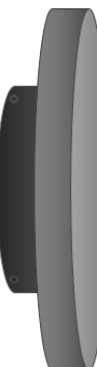
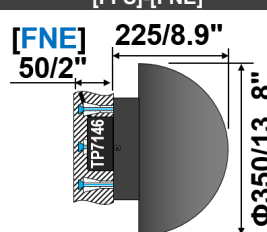
(MCA350A)-[MTF]



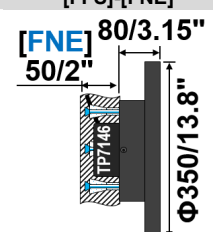
[FFS]-[FNE]



[FFS]-[FNE]



[FFS]-[FNE]



SPECIFICATION

ERMA-MCA: LED GARDEN LIGHT

DIMENSION:[UNIT: MM]

(MCA76A)-[FWA] Wall Surface Mounted Light

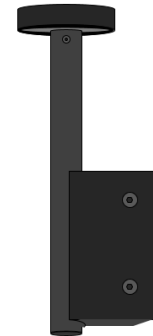
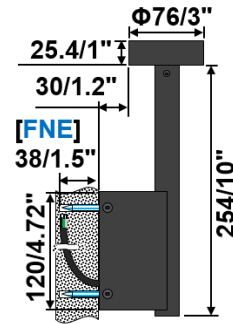
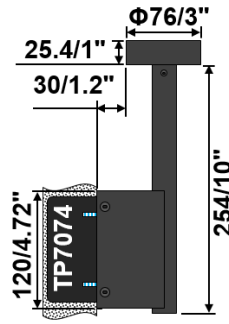
NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.

CASE STUDY:

[FWA]-[FJP]

[FWA]-[FNE]

(MCA76A)-[MTF]

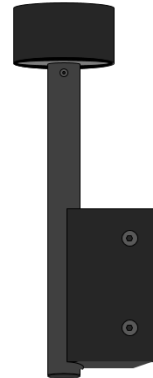
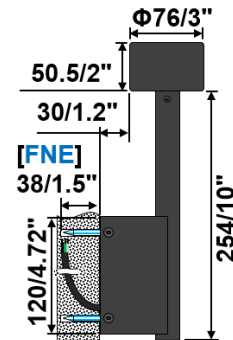
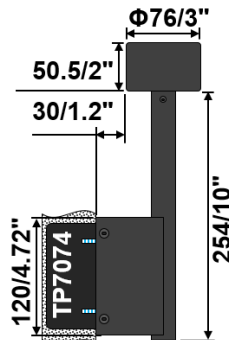


CASE STUDY:

[FWA]-[FJP]

[FWA]-[FNE]

(MCA76B)-[MTF]

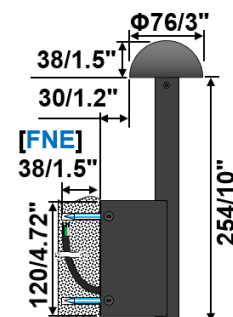
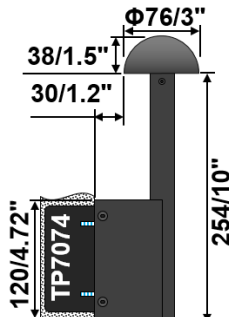


CASE STUDY:

[FWA]-[FJP]

[FWA]-[FNE]

(MCA76A)-[MTD]

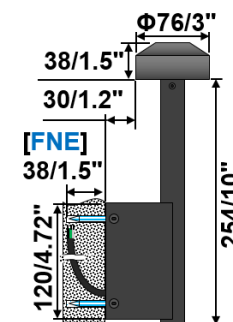
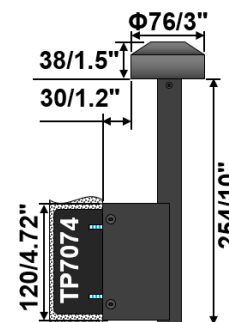


CASE STUDY:

[FWA]-[FJP]

[FWA]-[FNE]

(MCA76A)-[MTT]



SPECIFICATION

ERMA-MCA: LED GARDEN LIGHT

DIMENSION:[UNIT: MM]		(MCA95A)-[FWA] Wall Surface Mounted Light	
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.		
CASE STUDY:	[FWA]-[FJP]	[FWA]-[FNE]	(MCA95A)-[MTF]
CASE STUDY:	[FWA]-[FJP]	[FWA]-[FNE]	(MCA95B)-[MTF]
CASE STUDY:	[FWA]-[FJP]	[FWA]-[FNE]	(MCA95A)-[MTD]
CASE STUDY:	[FWA]-[FJP]	[FWA]-[FNE]	(MCA95A)-[MTT]

SPECIFICATION

ERMA-MCA: LED GARDEN LIGHT

DIMENSION:[UNIT: MM]		(MCA125A)-[FWA] Wall Surface Mounted Light		
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.			
CASE STUDY:	[FWA]-[FJP]	[FWA]-[FNE]	(MCA125A)-[MTF]	
CASE STUDY:	[FWA]-[FJP]	[FWA]-[FNE]	(MCA125B)-[MTF]	
CASE STUDY:	[FWA]-[FJP]	[FWA]-[FNE]	(MCA125A)-[MTD]	
CASE STUDY:	[FWA]-[FJP]	[FWA]-[FNE]	(MCA125A)-[MTT]	

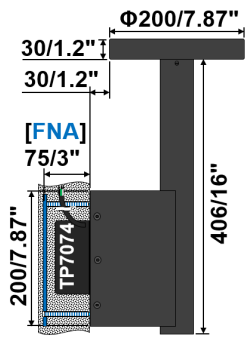
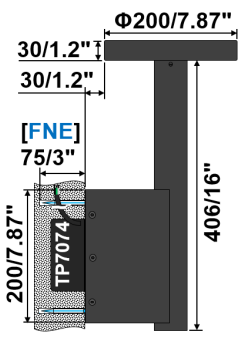
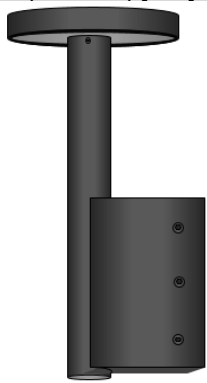
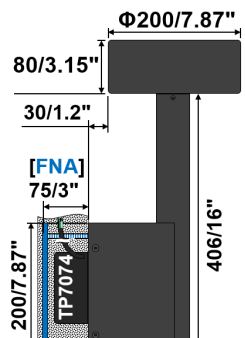
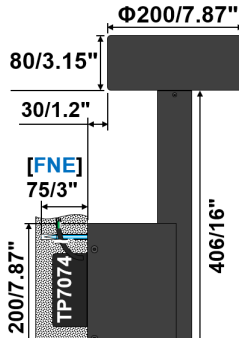
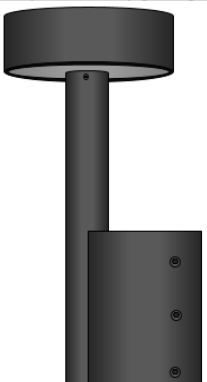
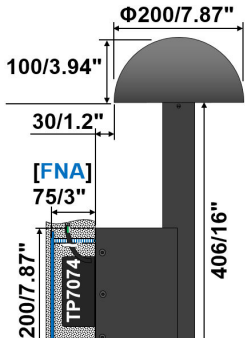
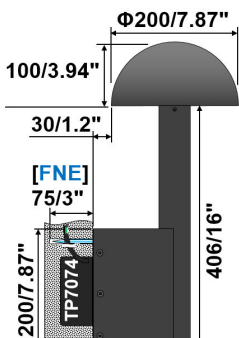
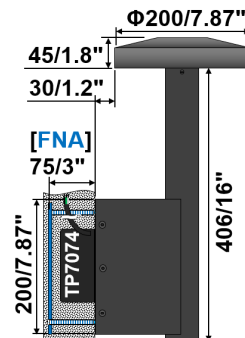
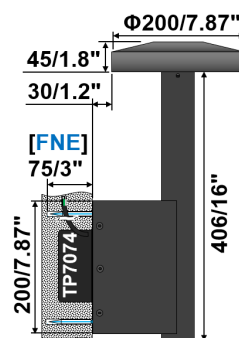
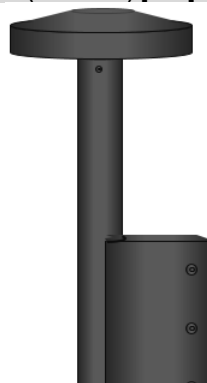
SPECIFICATION

ERMA-MCA: LED GARDEN LIGHT

DIMENSION:[UNIT: MM]		(MCA160A)-[FWA] Wall Surface Mounted Light	
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.		
CASE STUDY:	[FWA]-[FJP]	[FWA]-[FNE]	(MCA160A)-[MTF]
</			

SPECIFICATION

ERMA-MCA: LED GARDEN LIGHT

DIMENSION:[UNIT: MM]		(MCA200A)-[FWA] Wall Surface Mounted Light	
NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.			
CASE STUDY:	[FWA]-[FNA]	[FWA]-[FNE]	(MCA200A)-[MTF]
			
CASE STUDY:	[FWA]-[FNA]	[FWA]-[FNE]	(MCA200B)-[MTF]
			
CASE STUDY:	[FWA]-[FNA]	[FWA]-[FNE]	(MCA200A)-[MTD]
			
CASE STUDY:	[FWA]-[FNA]	[FWA]-[FNE]	(MCA200A)-[MTT]
			

SPECIFICATION

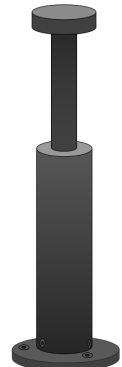
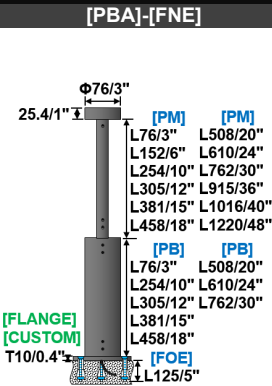
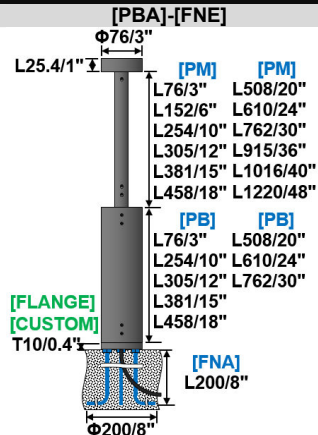
ERMA-MCA: LED GARDEN LIGHT

DIMENSION:[UNIT: MM]

(MCA76A)-[PBA] BOLLARD Light

- NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.
 NOTES: Total Height of Poles need be lower than 1600mm/63"
 NOTES: When "PB-L76mm" the led driver need be remote outside the bollard.

CASE STUDY:

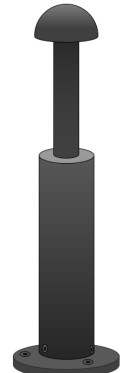
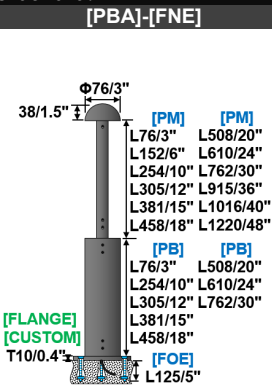
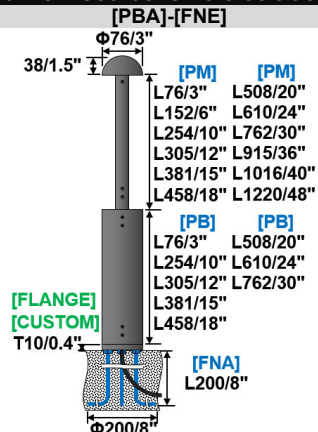


DIMENSION:[UNIT: MM]

(MCA76A)-[PBA] BOLLARD Light

- NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.
 NOTES: Total Height of Poles need be lower than 1600mm/63"
 NOTES: When "PB-L76mm" the led driver need be remote outside the bollard.

CASE STUDY:

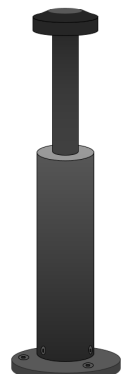
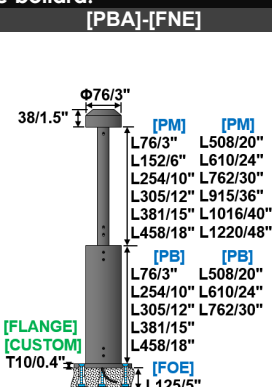
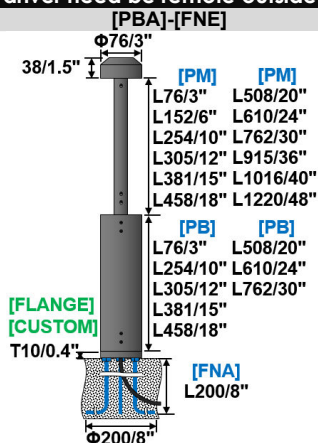
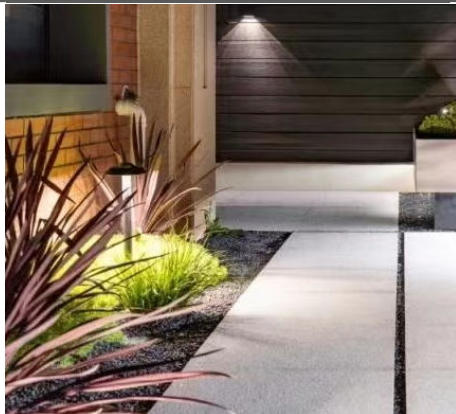


DIMENSION:[UNIT: MM]

(MCA76A)-[PBA] BOLLARD Light

- NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.
 NOTES: Total Height of Poles need be lower than 1600mm/63"
 NOTES: When "PB-L76mm" the led driver need be remote outside the bollard.

CASE STUDY:



SPECIFICATION

ERMA-MCA: LED GARDEN LIGHT

DIMENSION:[UNIT: MM]

- NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.
 NOTES: Total Height of Poles need be lower than 1600mm/63"
 NOTES: When "PB-L76mm" the led driver need be remote outside the bollard.

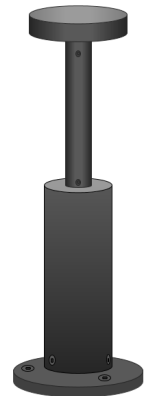
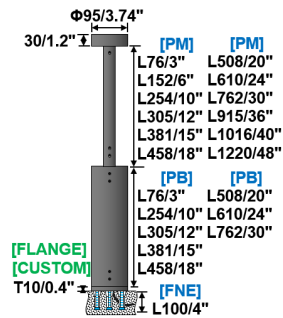
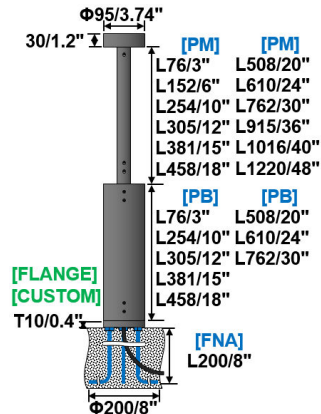
(MCA95A)-[PBA] BOLLARD Light

CASE STUDY:

[PBA]-[FNE]

[PBA]-[FNE]

(MCA95A)-[MTF]



DIMENSION:[UNIT: MM]

- NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.
 NOTES: Total Height of Poles need be lower than 1600mm/63"
 NOTES: When "PB-L76mm" the led driver need be remote outside the bollard.

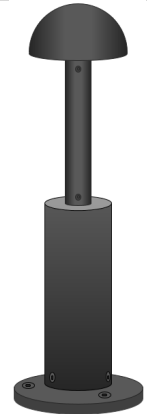
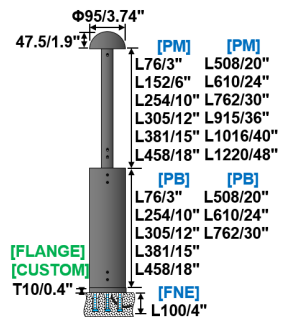
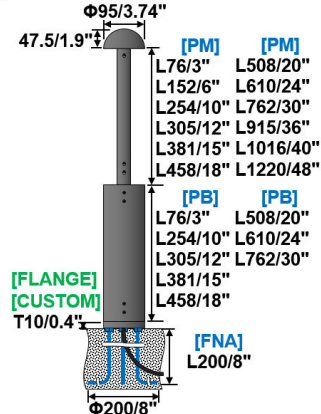
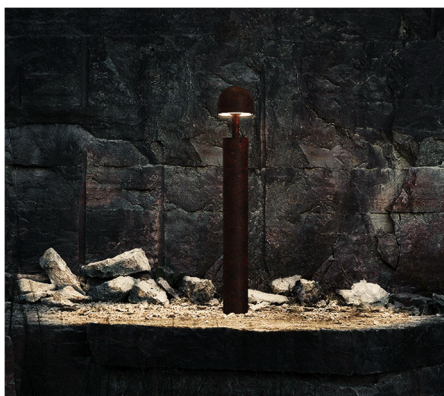
(MCA95A)-[PBA] BOLLARD Light

CASE STUDY:

[PBA]-[FNE]

[PBA]-[FNE]

(MCA95A)-[MTD]



DIMENSION:[UNIT: MM]

- NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.
 NOTES: Total Height of Poles need be lower than 1600mm/63"
 NOTES: When "PB-L76mm" the led driver need be remote outside the bollard.

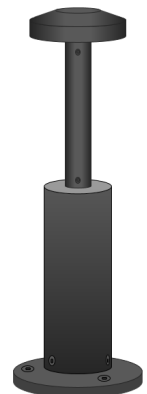
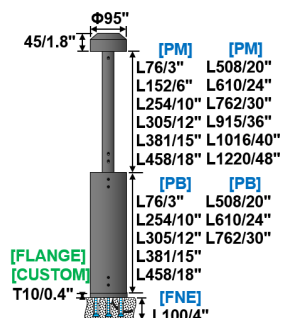
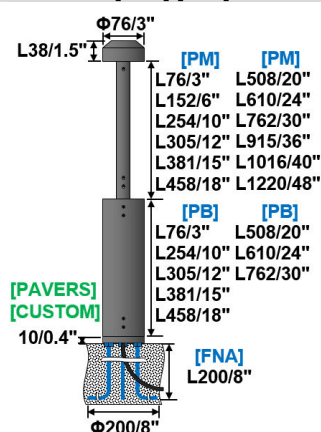
(MCA95A)-[PBA] BOLLARD Light

CASE STUDY:

[PBA]-[FNE]

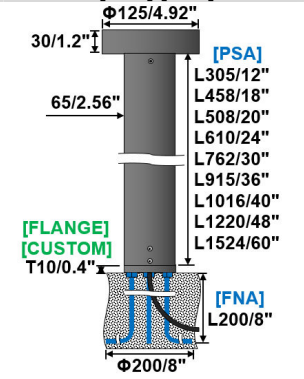
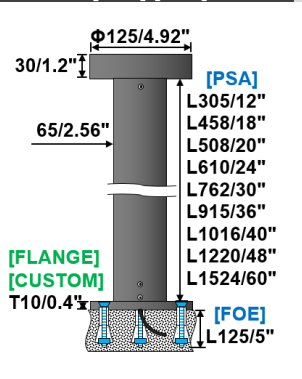
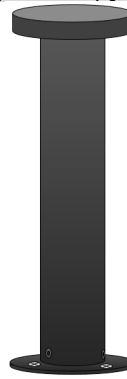
[PBA]-[FNE]

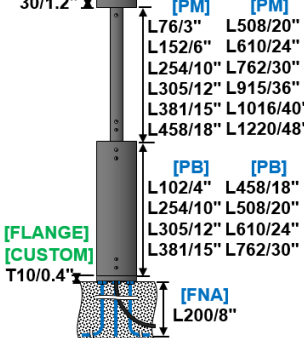
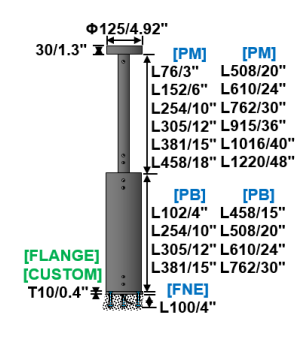
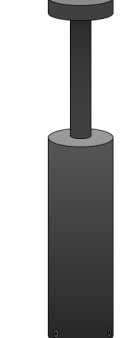
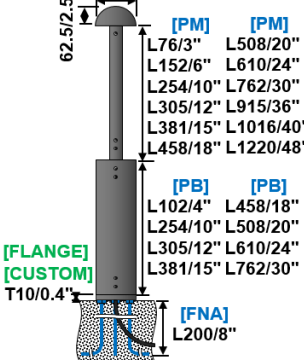
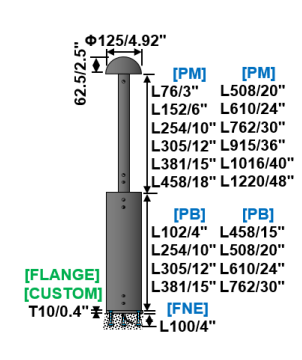
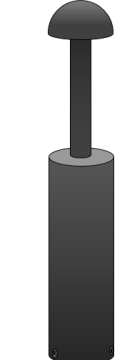
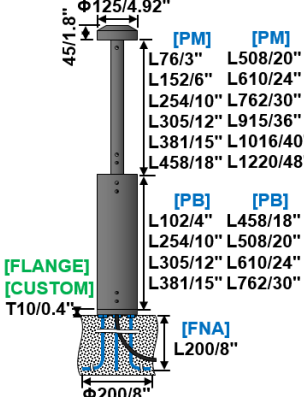
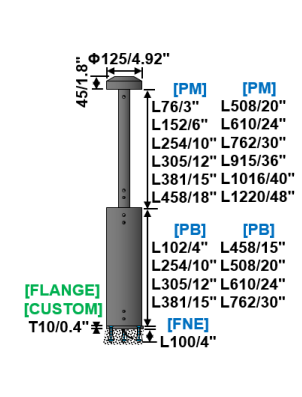
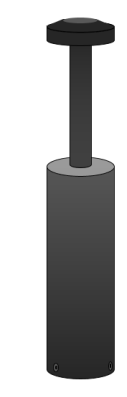
(MCA95A)-[MTT]



SPECIFICATION

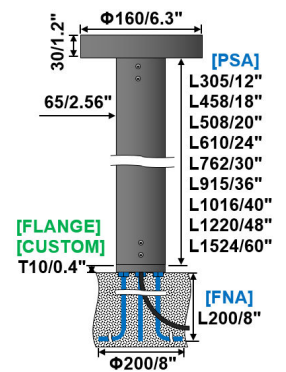
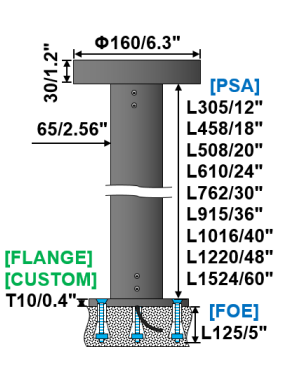
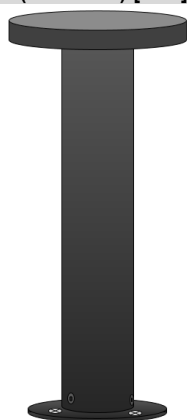
ERMA-MCA: LED GARDEN LIGHT

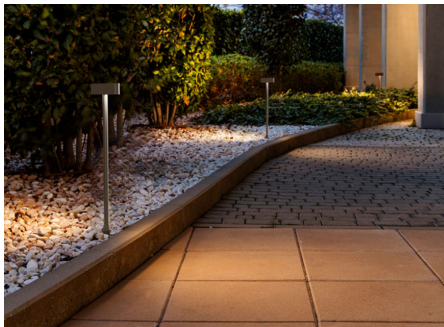
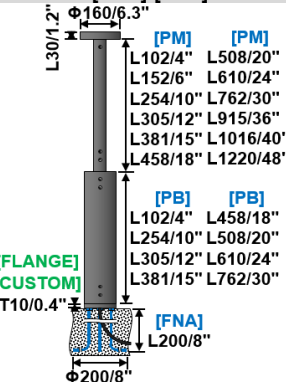
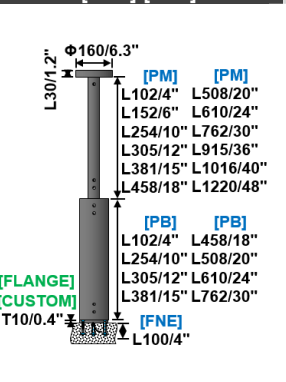
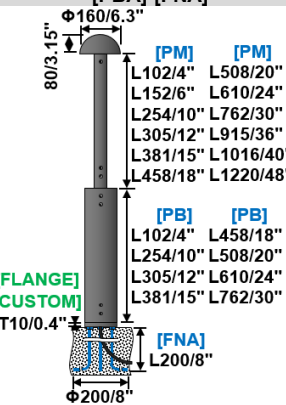
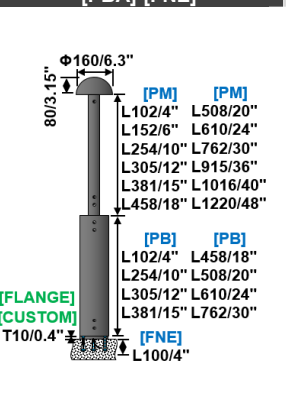
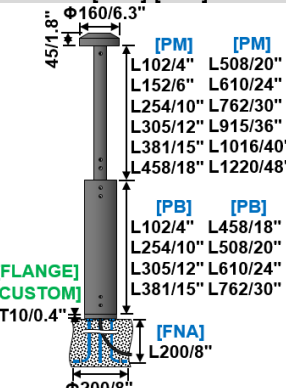
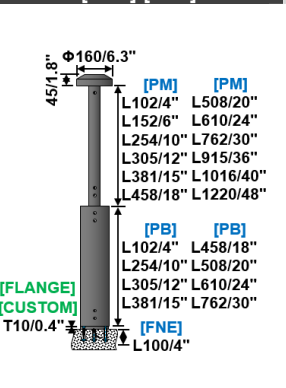
DIMENSION:[UNIT: MM]		(MCA125A)-[PSA] BOLLARD Light		
NOTES:		Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.		
CASE STUDY:		[PSA]-[FNA]	[PSA]-[FOE]	(MCA125A)-[MTF]
				
				
				

DIMENSION:[UNIT: MM]		(MCA125A)-[PBA] BOLLARD Light						
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.							
NOTES:	Total Height of Poles need be lower than 1600mm/63"							
NOTES:	When "PB-L102mm/254mm" the led driver need be remote outside the bollard.							
CASE STUDY:	[PBA]-[FNA]	[PBA]-[FNE]	(MCA125A)-[MTF]					
								
CASE STUDY:	[PBA]-[FNA]	[PBA]-[FNE]	(MCA125A)-[MTD]					
								
CASE STUDY:	[PBA]-[FNA]	[PBA]-[FNE]	(MCA125A)-[MTT]					
								

SPECIFICATION

ERMA-MCA: LED GARDEN LIGHT

DIMENSION:[UNIT: MM]		(MCA160A)-[PSA] BOLLARD Light		
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.			
CASE STUDY:		[PSA]-[FNA]	[PSA]-[FOE]	(MCA160A)-[MTF]
		 [PSA] L305/12" L458/18" L508/20" L610/24" L762/30" L915/36" L1016/40" L1220/48" L1524/60" [FNA] L200/8" [FLANGE] [CUSTOM] T10/0.4" Φ160/6.3" 30/1.2" 65/2.56" Φ200/8"  [PSA] L305/12" L458/18" L508/20" L610/24" L762/30" L915/36" L1016/40" L1220/48" L1524/60" [FOE] L125/5" [FLANGE] [CUSTOM] T10/0.4" Φ160/6.3" 30/1.2" 65/2.56" 		

DIMENSION:[UNIT: MM]		(MCA160A)-[PBA] BOLLARD Light	
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.		
NOTES:	Total Height of Poles need be lower than 1600mm/63"		
NOTES:	When "PB-L102mm/254mm" the led driver need be remote outside the bollard.		
CASE STUDY:	[PBA]-[FNA]	[PBA]-[FNE]	(MCA160A)-[MTF]
	 [PM] L102/4" L508/20" L152/6" L610/24" L254/10" L762/30" L305/12" L915/36" L381/15" L1016/40" L458/18" L1220/48" [PB] L102/4" L458/18" L254/10" L508/20" L305/12" L610/24" L381/15" L762/30" [FNA] L200/8" [FLANGE] T10/0.4" Φ160/6.3" L30/1.2"	 [PM] L102/4" L508/20" L152/6" L610/24" L254/10" L762/30" L305/12" L915/36" L381/15" L1016/40" L458/18" L1220/48" [PB] L102/4" L458/18" L254/10" L508/20" L305/12" L610/24" L381/15" L762/30" [FNE] L100/4" Φ160/6.3" L30/1.2"	
CASE STUDY:	[PBA]-[FNA]	[PBA]-[FNE]	(MCA160A)-[MTD]
	 [PM] L102/4" L508/20" L152/6" L610/24" L254/10" L762/30" L305/12" L915/36" L381/15" L1016/40" L458/18" L1220/48" [PB] L102/4" L458/18" L254/10" L508/20" L305/12" L610/24" L381/15" L762/30" [FNA] L200/8" [FLANGE] T10/0.4" Φ160/6.3" 80/3.15"	 [PM] L102/4" L508/20" L152/6" L610/24" L254/10" L762/30" L305/12" L915/36" L381/15" L1016/40" L458/18" L1220/48" [PB] L102/4" L458/18" L254/10" L508/20" L305/12" L610/24" L381/15" L762/30" [FNE] L100/4" Φ160/6.3" 80/3.15"	
CASE STUDY:	[PBA]-[FNA]	[PBA]-[FNE]	(MCA160A)-[MTT]
	 [PM] L102/4" L508/20" L152/6" L610/24" L254/10" L762/30" L305/12" L915/36" L381/15" L1016/40" L458/18" L1220/48" [PB] L102/4" L458/18" L254/10" L508/20" L305/12" L610/24" L381/15" L762/30" [FNA] L200/8" [FLANGE] T10/0.4" Φ160/6.3" 45/1.8"	 [PM] L102/4" L508/20" L152/6" L610/24" L254/10" L762/30" L305/12" L915/36" L381/15" L1016/40" L458/18" L1220/48" [PB] L102/4" L458/18" L254/10" L508/20" L305/12" L610/24" L381/15" L762/30" [FNE] L100/4" Φ160/6.3" 45/1.8"	

SPECIFICATION

ERMA-MCA: LED GARDEN LIGHT

DIMENSION:[UNIT: MM]		(MCA200A)-[PSA] BOLLARD Light	
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.		
CASE STUDY:		[PSA]-[FNA]	[PSA]-[FOE] (MCA200A)-[MTF]
			

DIMENSION:[UNIT: MM]		(MCA200A)-[PBA] BOLLARD Light	
NOTES:	Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.		
NOTES:	Total Height of Poles need be lower than 2000mm/63"		
NOTES:	When "PB-L102mm/254mm" the led driver need be remote outside the bollard.		
CASE STUDY:		[PBA]-[FNA]	[PBA]-[FNE] (MCA200A)-[MTF]
			
CASE STUDY:		[PBA]-[FNA]	[PBA]-[FNE] (MCA200A)-[MTD]
			
CASE STUDY:		[PBA]-[FNA]	[PBA]-[FNE] (MCA200A)-[MTT]
			

SPECIFICATION

ERMA-MCA: LED GARDEN LIGHT

DIMENSION:[UNIT: MM]

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

CASE STUDY:

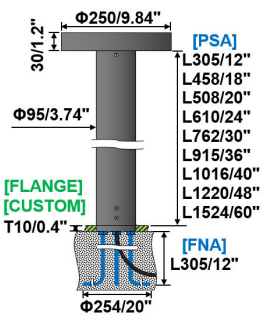


(MCA250A)-[PSA] BOLLARD Light

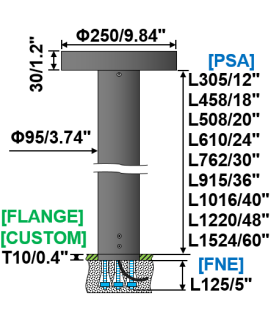
[PSA]-[FNA]

[PSA]-[FNE]

(MCA250A)-[MTF]



[PSA]
L305/12"
L458/18"
L508/20"
L610/24"
L762/30"
L915/36"
L1016/40"
L1220/48"
L1524/60"
[FNA]
L305/12"



[PSA]
L305/12"
L458/18"
L508/20"
L610/24"
L762/30"
L915/36"
L1016/40"
L1220/48"
L1524/60"
[FNE]
L125/5"

