

## INTRODUCTION

### FEATURE

GUBO Unique Modular Design  
Multiple LED Modulators All-on-One  
Optimized Garden Lighting  
Long Lifespan Design>50,000hours  
Working Temperature: -30℃~50℃

### MAIN MATERIAL

LED Brand: GUBO  
Remote Driver Brand: GUBO  
Housing: Die-casted Aluminum  
Optics: High Efficiency PMMA Lens  
Diffuser: Clear Tempered Glass

### INSTALLATION

Suitable for Interior & Exterior Lighting

[FFS]: Flush Surface Mounted

[FPS]: Stem Pendant

[FPC]: Catenary Pendant

[FWA]: Wall Surface Mounted

[FSC]: Slip Fitter Mounted

[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/CB/cETL/SAA/SASO Standard  
IP65 Protection, Class I Electric

### CUSTOM OPTION

LED CCT: 1,600K~10,000K/R/G/B/Y

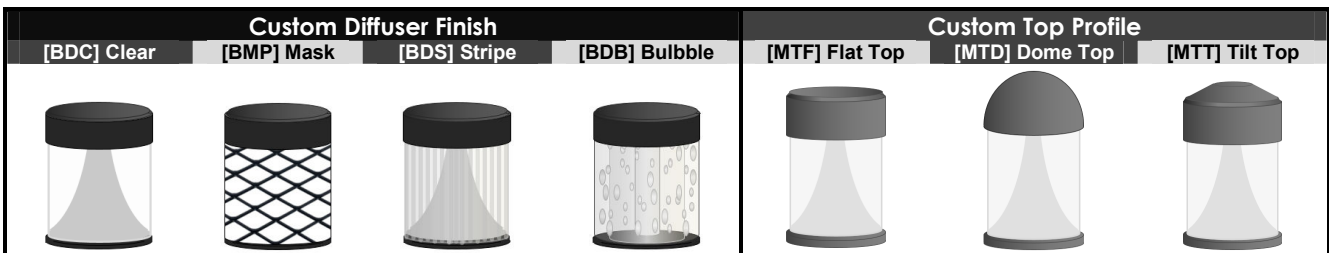
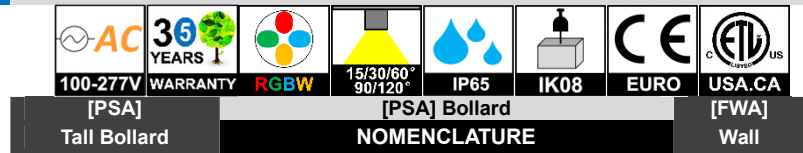
[CRI]: [E] RA80, [G] RA90, [H] RA97(RG0)

[SFH]: Custom Housing Finish Colors by RAL Code

[SFB]: Custom Baffle Finish Colors by RAL Code

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

## TEEMU 501E-MCD: ROUND LED GAREN LIGHT



| MODEL                                   | POWER<br>[W]                         | LED<br>TYPE                             | CCT<br>[K] |        | CRI    | FLUX[Lm] |       | POWER<br>FACTOR | BEAM<br>ANGLE                                                                                                                                                                                                              | CUSTOM<br>DIMMING                                                                                                                                                            | INPUT<br>[V]                                          |                      |  |
|-----------------------------------------|--------------------------------------|-----------------------------------------|------------|--------|--------|----------|-------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------|--|
|                                         |                                      |                                         |            |        |        | [C1A]    | [D2B] |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
| TEEMU 501E-<br>MCD95BC1A<br>MCD95BD2B   | UP:15W<br>[12W]<br>DOWN:12W          | 72x0.5W<br>SMD2835<br>12x2W<br>SMD3030  | G2700K     |        | RA90   | 810      | 830   | >0.9            | Following for<br>[C1A]<br>Cylinder Light<br>[BDC]120°                                                                                                                                                                      | [CDN]:Non-dim<br>[CDT]:TRIAC(10%)<br>[CDV]:0/1~10V(8%)<br>[CDV0]:0~10V(1%)<br>[CDV1]:1~10V(10%)<br>[CDA]:DALI(1%)<br>[CDX]:DMX512(1%)<br>[+CDP]:PWM(1%)<br>[CRF]:2.4G RF(1%) | AC100~277V<br>[AC100~240V]<br>[AC100~347V]<br>50/60Hz |                      |  |
|                                         |                                      |                                         | G3000K     |        | RA90   | 860      | 890   |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G3500K     |        | RA90   | 860      | 890   |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G4000K     |        | RA90   | 910      | 960   |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G5000K     |        | RA90   | 910      | 960   |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      | 2C@20W                                  | TWG        | G2700K | G6500K | RA90     | 610   | 600             | >0.9                                                                                                                                                                                                                       |                                                                                                                                                                              |                                                       | [BDM] 150°<br>LM-20% |  |
| 4C@20W                                  | RGBW                                 | 620nm                                   | 520nm      | 465nm  | G2700K | \        | 610   | 600             | >0.9                                                                                                                                                                                                                       |                                                                                                                                                                              |                                                       |                      |  |
| 4C@20W                                  | RGBA                                 | 620nm                                   | 520nm      | 465nm  | 590nm  | \        | 610   | 600             | >0.9                                                                                                                                                                                                                       |                                                                                                                                                                              |                                                       |                      |  |
| TEEMU 501E-<br>MCD125BC1A<br>MCD125BD2B | UP:30W<br>[20W]<br>DOWN:25W<br>[12W] | 120x0.5W<br>SMD2835<br>24x2W<br>SMD3030 | G2700K     |        | RA90   | 1610     | 1660  | >0.9            | [BDS] 150°<br>LM-25%                                                                                                                                                                                                       |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G3000K     |        | RA90   | 1720     | 1780  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G3500K     |        | RA90   | 1720     | 1780  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G4000K     |        | RA90   | 1820     | 1920  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G5000K     |        | RA90   | 1820     | 1920  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      | 2C@30W                                  | TWG        | G2700K | G6500K | RA90     | 1210  | 1200            | >0.9                                                                                                                                                                                                                       | [BDB] 150°<br>LM-20%                                                                                                                                                         |                                                       |                      |  |
| 4C@30W                                  | RGBW                                 | 620nm                                   | 520nm      | 465nm  | G2700K | \        | 1210  | 1200            | >0.9                                                                                                                                                                                                                       |                                                                                                                                                                              |                                                       |                      |  |
| 4C@30W                                  | RGBA                                 | 620nm                                   | 520nm      | 465nm  | 590nm  | \        | 1210  | 1200            | >0.9                                                                                                                                                                                                                       |                                                                                                                                                                              |                                                       |                      |  |
| TEEMU 501D-<br>MCD160BC1A<br>MCD160BD2B | UP:50W<br>[30W]<br>DOWN:50W<br>[30W] | 192x0.5W<br>SMD2835<br>48x2W<br>SMD3030 | G2700K     |        | RA90   | 2880     | 3310  | >0.9            | Following for<br>[D2B]<br>Downlight<br>[Symmetric]<br>BL30D:15°<br>BL30D:30°<br>BL60D:60°<br>BL90D:90°<br>BL120D:120°<br>T5:150°<br>[Oval]<br>BLV15x60D<br>[Asymmetric]<br>T2M:V75xH150°<br>T3M:V80xH150°<br>T4M:V80xH150° | [CSL]: Photocell Lux<br>Sensor<br>[CSPD]: Big-level<br>PIR Motion Sensor<br>[CSMD]: Big-level<br>Microwave Motion<br>Sensor                                                  | [+CV DC12V]<br>[+CV DC24V]<br>[+CV DC42V]             |                      |  |
|                                         |                                      |                                         | G3000K     |        | RA90   | 3060     | 3570  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G3500K     |        | RA90   | 3060     | 3570  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G4000K     |        | RA90   | 3230     | 3830  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G5000K     |        | RA90   | 3230     | 3830  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      | 2C@50W                                  | TWG        | G2700K | G6500K | RA90     | 2260  | 2400            | >0.9                                                                                                                                                                                                                       |                                                                                                                                                                              |                                                       |                      |  |
| TEEMU 501E-<br>MCD200BC1A<br>MCD200BD2B | UP:50W<br>[30W]<br>DOWN:50W<br>[30W] | 240x0.5W<br>SMD2835<br>48x2W<br>SMD3030 | G2700K     |        | RA90   | 2880     | 3310  | >0.9            |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G3000K     |        | RA90   | 3060     | 3570  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G3500K     |        | RA90   | 3060     | 3570  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G4000K     |        | RA90   | 3230     | 3830  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G5000K     |        | RA90   | 3230     | 3830  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      | 2C@50W                                  | TWG        | G2700K | G6500K | RA90     | 2260  | 2400            | >0.9                                                                                                                                                                                                                       |                                                                                                                                                                              |                                                       |                      |  |
| TEEMU 501E-<br>MCD200BC1A<br>MCD200BD2B | UP:50W<br>[30W]<br>DOWN:50W<br>[30W] | 240x0.5W<br>SMD2835<br>48x2W<br>SMD3030 | G2700K     |        | RA90   | 2880     | 3310  | >0.9            |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G3000K     |        | RA90   | 3060     | 3570  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G3500K     |        | RA90   | 3060     | 3570  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G4000K     |        | RA90   | 3230     | 3830  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G5000K     |        | RA90   | 3230     | 3830  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      | 2C@50W                                  | TWG        | G2700K | G6500K | RA90     | 2260  | 2400            | >0.9                                                                                                                                                                                                                       |                                                                                                                                                                              |                                                       |                      |  |
| TEEMU 501E-<br>MCD200BC1A<br>MCD200BD2B | UP:50W<br>[30W]<br>DOWN:50W<br>[30W] | 240x0.5W<br>SMD2835<br>48x2W<br>SMD3030 | G2700K     |        | RA90   | 2880     | 3310  | >0.9            |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G3000K     |        | RA90   | 3060     | 3570  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G3500K     |        | RA90   | 3060     | 3570  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G4000K     |        | RA90   | 3230     | 3830  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G5000K     |        | RA90   | 3230     | 3830  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      | 2C@50W                                  | TWG        | G2700K | G6500K | RA90     | 2260  | 2400            | >0.9                                                                                                                                                                                                                       |                                                                                                                                                                              |                                                       |                      |  |
| TEEMU 501E-<br>MCD200BC1A<br>MCD200BD2B | UP:50W<br>[30W]<br>DOWN:50W<br>[30W] | 240x0.5W<br>SMD2835<br>48x2W<br>SMD3030 | G2700K     |        | RA90   | 2880     | 3310  | >0.9            |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G3000K     |        | RA90   | 3060     | 3570  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G3500K     |        | RA90   | 3060     | 3570  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G4000K     |        | RA90   | 3230     | 3830  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      |                                         | G5000K     |        | RA90   | 3230     | 3830  |                 |                                                                                                                                                                                                                            |                                                                                                                                                                              |                                                       |                      |  |
|                                         |                                      | 2C@50W                                  | TWG        | G2700K | G6500K | RA90     | 2260  | 2400            | >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.

**TEEMU 501E-MCD: ROUND LED GAREN SPOTLIGHT**

**SPECIFICATION**

| MODEL<br>SPOTLIGHT     | POWER<br>【W】          | LED<br>TYPE      | CCT<br>【K】 |       | CRI   | FLUX<br>【LM】 | POWER<br>FACTOR | BEAM<br>ANGLE                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CUSTOM<br>DIMMING                                                                                                                                                                                                                                                                                                    | INPUT<br>【V】 |
|------------------------|-----------------------|------------------|------------|-------|-------|--------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| GTG2103A-<br>MCA65A2B  | 6W                    | 6x2W<br>SMD3030  | G2700K     |       | RA90  | 530          | >0.9            | <div>[Symmetric]<br/>BL15D:15°<br/>BL25D:25°<br/>BL30D:30°<br/>BL45D:45°<br/>BL60D:60°<br/>BL90D:90°<br/>BL120D:120°<br/><br/>[Oval]<br/>BLV15x60°<br/><br/>[Louver]<br/>BGL<br/>LM-20%</div> <div></div> <div>Following For<br/>(MC95)<br/>(MC125)<br/>(MC160)<br/>(MC200)<br/><br/>[Asymmetric]<br/>T2M:V70xH155°<br/>T3M:V80xH155°<br/>T4M:V85xH155°<br/>T5: 150°</div> | [CDN]: Non Dimmable<br>[CDT]: TRIAC(10%)<br>[CDV]: 0/1~10V(8%)<br>[CDV0]: 0~10V(1%)<br>[CDV1]: 1~10V(10%)<br>[CDA]: DALI(1%)<br>[+CDP]: PWM(1%)<br><br>Following by<br>Remote Driver<br>[CDX]: DMX512(1%)<br>[CDA]: DALI(1%)<br>[CRZ]: ZIGBEE(1%)<br>[CRF]: 2.4G RF(1%)<br>[CRB]: Bluetooth(1%)<br>[CDZ]: Zigbee(1%) |              |
|                        |                       |                  | G3000K     |       | RA90  | 560          |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G3500K     |       | RA90  | 560          |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G4000K     |       | RA90  | 590          |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G5000K     |       | RA90  | 590          |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G5700K     |       | RA90  | 590          |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        | G6500K                |                  | RA90       | 590   |       |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 2C@6W                  | TWG                   | G2700K           | G6500K     | RA90  | 340   | >0.9         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 3C@6W                  | RGB                   | 620nm            | 520nm      | 460nm | \     | 340          | >0.9            |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 4C@6W                  | RGBW                  | 620nm            | 520nm      | 460nm | 2700K | \            | 340             |                                                                                                                                                                                                                                                                                                                                                                                                                                                               | >0.9                                                                                                                                                                                                                                                                                                                 |              |
| 4C@6W                  | RGBA                  | 620nm            | 520nm      | 460nm | 590nm | \            | 340             |                                                                                                                                                                                                                                                                                                                                                                                                                                                               | >0.9                                                                                                                                                                                                                                                                                                                 |              |
| GTG2103A-<br>MCA95A2B  | 12W                   | 12x2W<br>SMD3030 | G2700K     |       | RA90  | 1050         | >0.9            |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G3000K     |       | RA90  | 1110         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G3500K     |       | RA90  | 1110         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G4000K     |       | RA90  | 1180         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G5000K     |       | RA90  | 1180         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G5700K     |       | RA90  | 1180         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        | G6500K                |                  | RA90       | 1180  |       |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 2C@12W                 | TWG                   | G2700K           | G6500K     | RA90  | 660   | >0.9         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 3C@12W                 | RGB                   | 620nm            | 520nm      | 460nm | \     | 660          | >0.9            |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 4C@12W                 | RGBW                  | 620nm            | 520nm      | 460nm | 2700K | \            | 660             | >0.9                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                      |              |
| 4C@12W                 | RGBA                  | 620nm            | 520nm      | 460nm | 590nm | \            | 660             | >0.9                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                      |              |
| GTG2103A-<br>MCA125A2B | 25W<br>[20W]<br>[12W] | 24x2W<br>SMD3030 | G2700K     |       | RA90  | 2100         | >0.9            |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G3000K     |       | RA90  | 2230         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G3500K     |       | RA90  | 2230         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G4000K     |       | RA90  | 2360         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G5000K     |       | RA90  | 2360         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G5700K     |       | RA90  | 2360         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        | G6500K                |                  | RA90       | 2360  |       |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 2C@25W                 | TWG                   | G2700K           | G6500K     | RA90  | 1300  | >0.9         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 3C@25W                 | RGB                   | 620nm            | 520nm      | 460nm | \     | 1300         | >0.9            |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 4C@25W                 | RGBW                  | 620nm            | 520nm      | 460nm | 2700K | \            | 1300            | >0.9                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                      |              |
| 4C@25W                 | RGBA                  | 620nm            | 520nm      | 460nm | 590nm | \            | 1300            | >0.9                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                      |              |
| GTG2103A-<br>MCA160A2B | 50W<br>[40W]<br>[30W] | 48x2W<br>SMD3030 | G2700K     |       | RA90  | 4370         | >0.9            |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G3000K     |       | RA90  | 4640         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G3500K     |       | RA90  | 4640         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G4000K     |       | RA90  | 4920         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G5000K     |       | RA90  | 4920         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G5700K     |       | RA90  | 4920         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        | G6500K                |                  | RA90       | 4920  |       |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 2C@50W                 | TWG                   | G2700K           | G6500K     | RA90  | 2620  | >0.9         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 3C@50W                 | RGB                   | 620nm            | 520nm      | 460nm | \     | 2620         | >0.9            |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 4C@50W                 | RGBW                  | 620nm            | 520nm      | 460nm | 2700K | \            | 2620            | >0.9                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                      |              |
| 4C@50W                 | RGBA                  | 620nm            | 520nm      | 460nm | 590nm | \            | 2620            | >0.9                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                      |              |
| GTG2103A-<br>MCA200A2B | 75W<br>[60W]<br>[50W] | 72x2W<br>SMD3030 | G2700K     |       | RA90  | 6640         | >0.9            |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G3000K     |       | RA90  | 7060         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G3500K     |       | RA90  | 7060         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G4000K     |       | RA90  | 7470         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G5000K     |       | RA90  | 7470         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        |                       |                  | G5700K     |       | RA90  | 7470         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
|                        | G6500K                |                  | RA90       | 7470  |       |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 2C@75W                 | TWG                   | G2700K           | G6500K     | RA90  | 4020  | >0.9         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 3C@75W                 | RGB                   | 620nm            | 520nm      | 460nm | \     | 4020         | >0.9            |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      |              |
| 4C@75W                 | RGBW                  | 620nm            | 520nm      | 460nm | 2700K | \            | 4020            | >0.9                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                      |              |
| 4C@75W                 | RGBA                  | 620nm            | 520nm      | 460nm | 590nm | \            | 4020            | >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.

**TEEMU 501E-MCA: ROUND LED GAREN SPOTLIGHT**

**SPECIFICATION**

| MODEL SPOTLIGHT    | POWER [W]             | LED TYPE       | CCT [K] |      | CRI  | FLUX [LM] | POWER FACTOR | BEAM ANGLE                                                                                                                                                                                                                                                                                                        | CUSTOM DIMMING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | INPUT [V]                                                                                                 |
|--------------------|-----------------------|----------------|---------|------|------|-----------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| GTG2103A-MCA65A3C  | 10W                   | 3x10W SMD3535  | E2700K  |      | RA80 | 730       | >0.9         | <div>[Symmetric]</div> <div>BL6D:6°<br/>BL10D:10°<br/>BL15D:15°<br/>BL25D:25°<br/>BL30D:30°<br/>BL45D:45°<br/>BL60D:60°</div> <div>[Oval]</div> <div>BLV15x45°<br/>BLV15x60°</div> <div>[BGL] Louver LM-25%</div> <div></div> | <div>[CDN]:Non-Dim<br/>[CDT]:TRIAC(10%)<br/>[CDV]:0/1~10V(8%)<br/>[CDV0]:0~10V(1%)<br/>[CDV1]:1~10V(10%)<br/>[CDA]:DALI(1%)</div> <div>[+CDP]:PWM(1%)</div> <div>Following by Remote Driver</div> <div>[CDX]:DMX512(1%)<br/>[CRZ]:ZIGBEE(1%)<br/>[CRF]:2.4G RF(1%)<br/>[CRB]:Bluetooth(1%)<br/>[CDS]:SPI(1%)</div> <div>Following [Sensor]</div> <div>[CSL]: Photocell Lux Sensor </div> <div>[CSPD]: Big-level PIR Motion Sensor </div> <div>[CSMD]: Big-level Microwave Motion Sensor </div> <div>Following For (MC95)/(MC125)<br/>[CBE4W90MIN]: EM Backup</div> <div>Following For (MC125)/(MC160)<br/>[CBE8W90MIN]: EM Backup</div> <div>Following For (MC160)/(MC200)<br/>[CBE25W90MIN]: EM Backup</div> | AC100~277V<br>[AC100~240V]<br>[AC100~347V]<br>50/60Hz<br><br>[+CV DC12V ]<br>[+CV DC24V ]<br>[+CV DC42V ] |
|                    |                       |                | E3000K  |      | RA80 | 750       |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E3500K  |      | RA80 | 750       |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E4000K  |      | RA80 | 830       |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E5000K  |      | RA80 | 830       |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    | 10W                   | 3x10W SMD3535  | E6500K  |      | RA80 | 820       |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G2700K  |      | RA90 | 460       |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G3000K  |      | RA90 | 480       |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G3500K  |      | RA90 | 480       |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G4000K  |      | RA90 | 530       |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
| 2C@10W             | TWG                   | G2700K         |         | RA90 | 510  |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 510  |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 460  |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 460  |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 460  |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
| GTG2103A-MCA95A3C  | 20W [12W]             | 6x10W SMD3535  | E2700K  |      | RA80 | 1460      | >0.9         |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E3000K  |      | RA80 | 1510      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E3500K  |      | RA80 | 1510      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E4000K  |      | RA80 | 1660      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E5000K  |      | RA80 | 1660      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    | 20W [12W]             | 6x10W SMD3535  | E6500K  |      | RA80 | 1640      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G2700K  |      | RA90 | 920       |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G3000K  |      | RA90 | 950       |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G3500K  |      | RA90 | 950       |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G4000K  |      | RA90 | 1050      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
| 2C@20W             | TWG                   | G5000K         |         | RA90 | 1050 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 1020 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 920  |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 920  |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 920  |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
| GTG2103A-MCA125A3C | 30W [40W] [25W] [12W] | 12x10W SMD3535 | E2700K  |      | RA80 | 2480      | >0.9         |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E3000K  |      | RA80 | 2630      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E3500K  |      | RA80 | 2630      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E4000K  |      | RA80 | 2860      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E5000K  |      | RA80 | 2860      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    | 30W [40W] [25W] [12W] | 12x10W SMD3535 | E6500K  |      | RA80 | 2860      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G2700K  |      | RA90 | 1560      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G3000K  |      | RA90 | 1610      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G3500K  |      | RA90 | 1610      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G4000K  |      | RA90 | 1810      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
| 2C@30W             | TWG                   | G5000K         |         | RA90 | 1810 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 1740 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 1260 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 1260 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 1260 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
| GTG2103A-MCA160A3C | 50W [40W]             | 18x10W SMD3535 | E2700K  |      | RA80 | 4120      | >0.9         |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E3000K  |      | RA80 | 4380      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E3500K  |      | RA80 | 4380      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E4000K  |      | RA80 | 4770      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E5000K  |      | RA80 | 4770      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    | 50W [40W]             | 18x10W SMD3535 | E6500K  |      | RA80 | 4750      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G2700K  |      | RA90 | 2600      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G3000K  |      | RA90 | 2680      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G3500K  |      | RA90 | 2680      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G4000K  |      | RA90 | 3060      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
| 2C@50W             | TWG                   | G5000K         |         | RA90 | 3060 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 2900 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 2260 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 2260 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 2260 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
| GTG2103A-MCA200A3C | 60W [50W] [40W]       | 24x10W SMD3535 | E2700K  |      | RA80 | 4850      | >0.9         |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E3000K  |      | RA80 | 5020      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E3500K  |      | RA80 | 5020      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E4000K  |      | RA80 | 5560      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | E5000K  |      | RA80 | 5560      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    | 60W [50W] [40W]       | 24x10W SMD3535 | E6500K  |      | RA80 | 5450      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G2700K  |      | RA90 | 3080      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G3000K  |      | RA90 | 3180      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G3500K  |      | RA90 | 3180      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       |                | G4000K  |      | RA90 | 3510      |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
| 2C@60W             | TWG                   | G5000K         |         | RA90 | 3510 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 3410 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 3080 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 3080 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|                    |                       | G6500K         |         | RA90 | 3080 |           |              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |

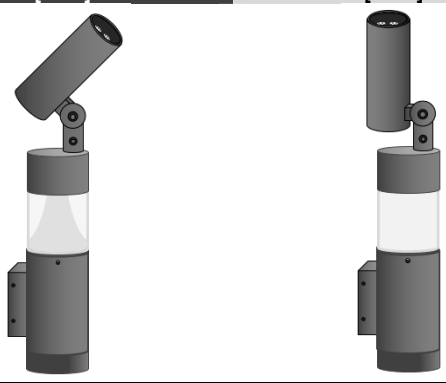
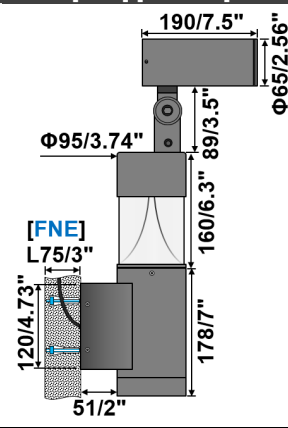
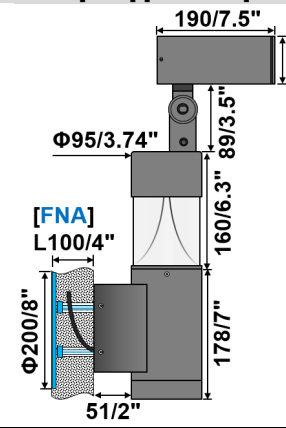
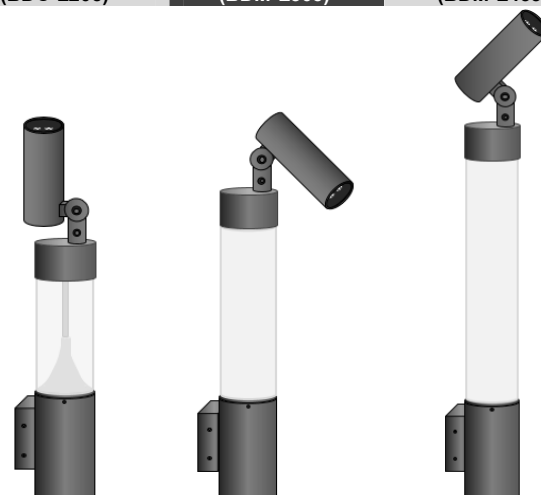
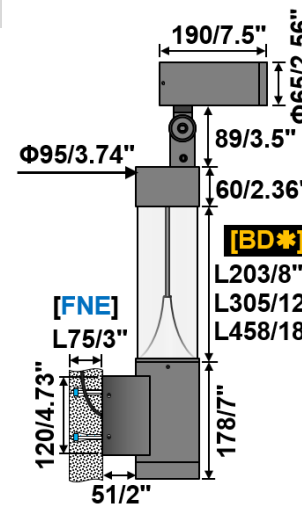
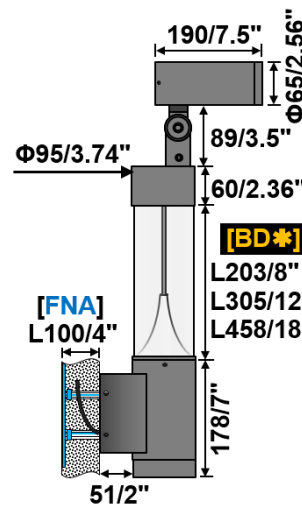
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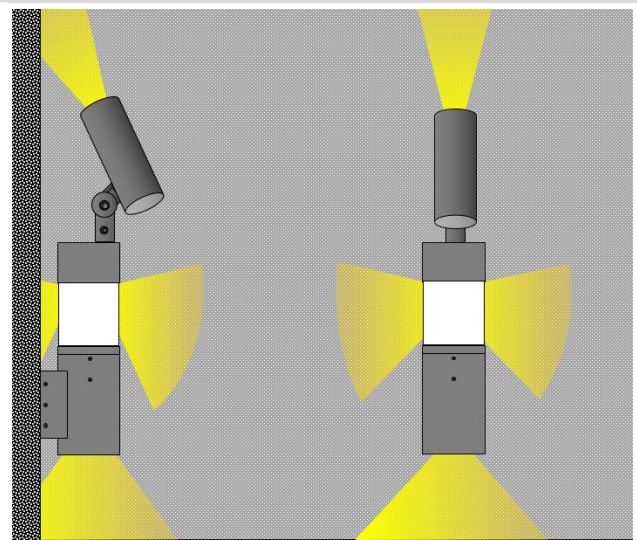
All parameters are measured at 25℃ ambient temperature, 35% humidity experimental environment.

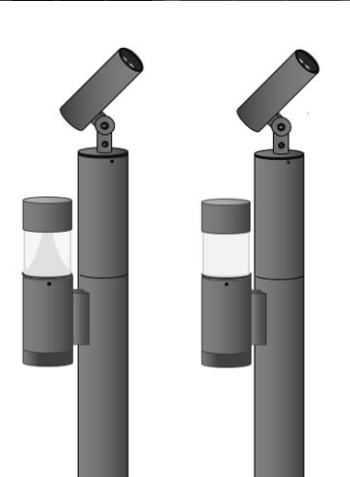
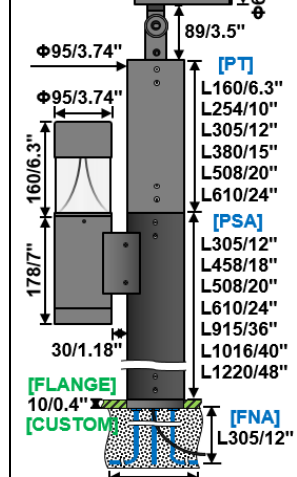
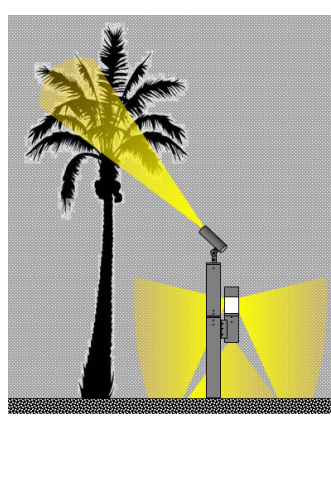
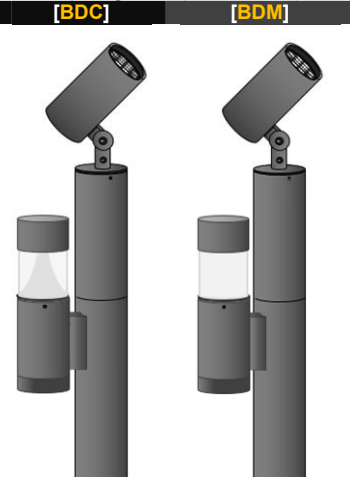
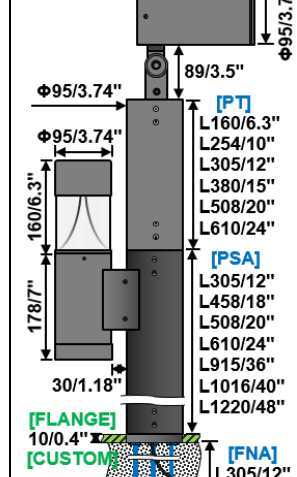
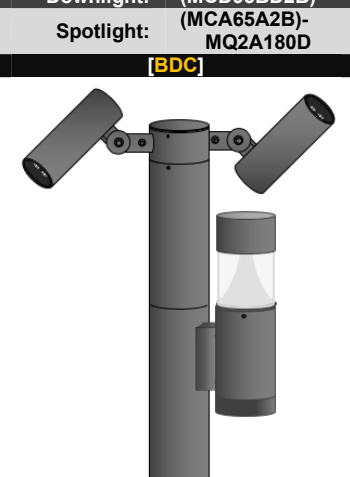
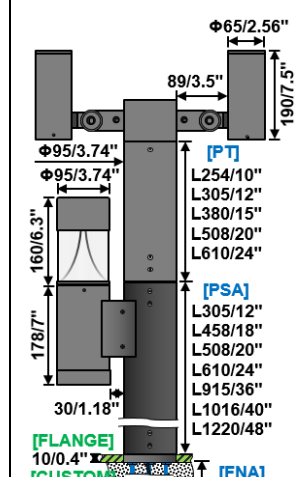
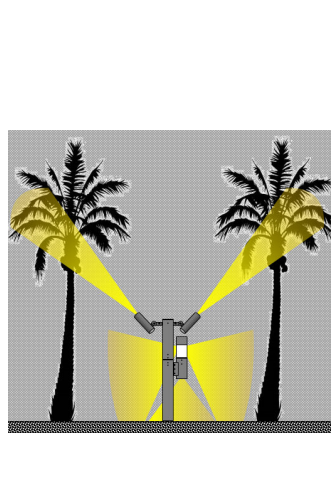
Tolerances of power and luminous flux are ±10%, tolerance of color rendering index is ±5.

**SPECIFICATION**

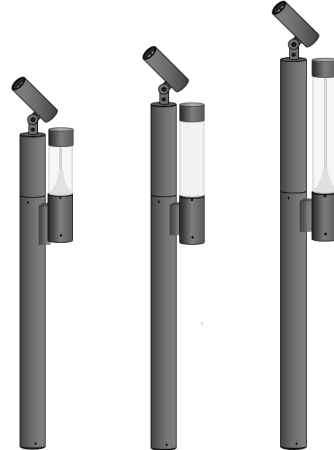
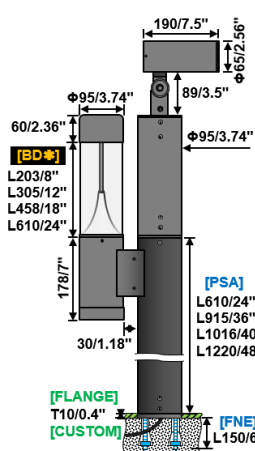
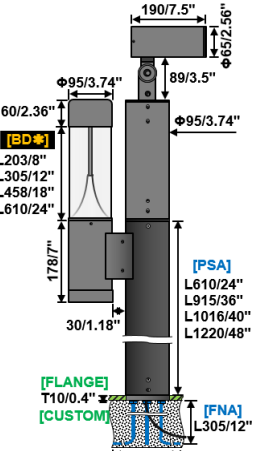
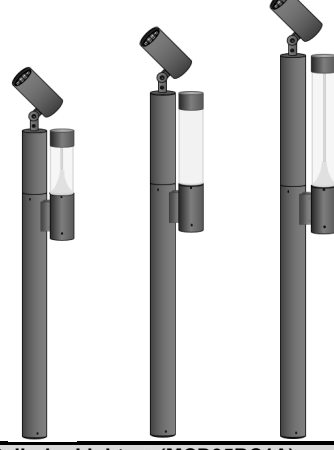
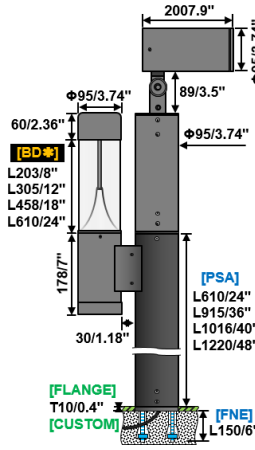
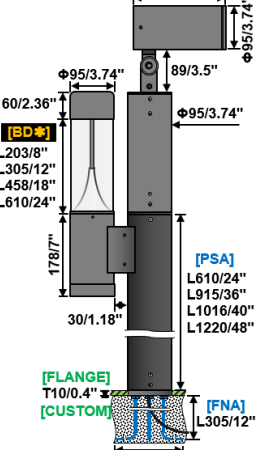
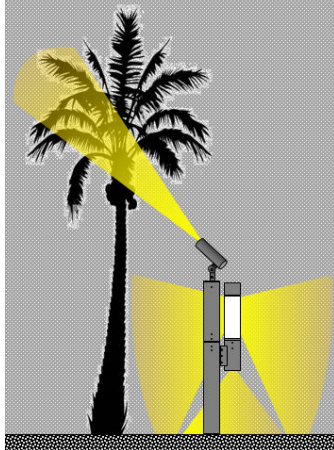
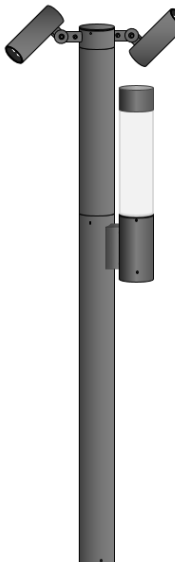
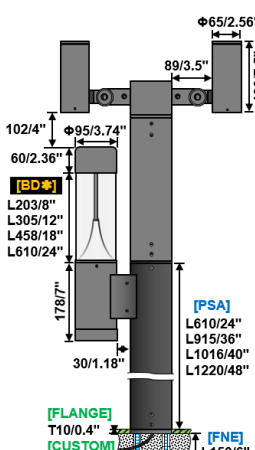
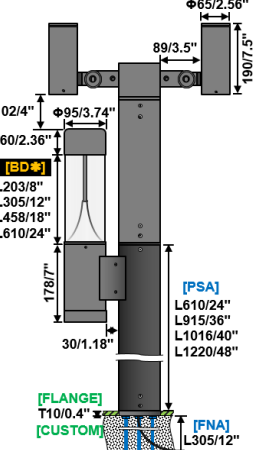
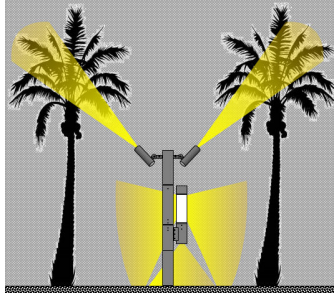
**TEEMU 501E-MCD95B: LED WALL LIGHT**

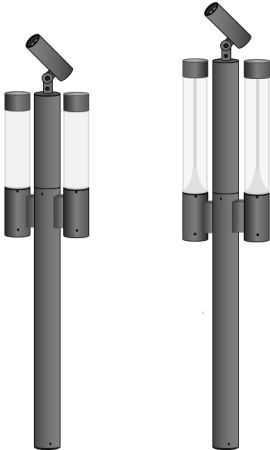
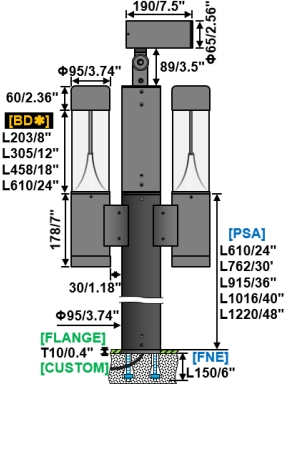
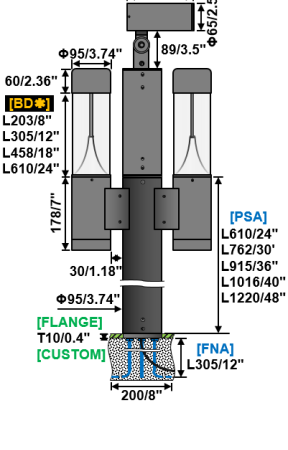
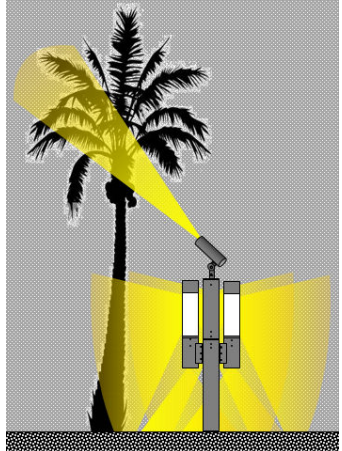
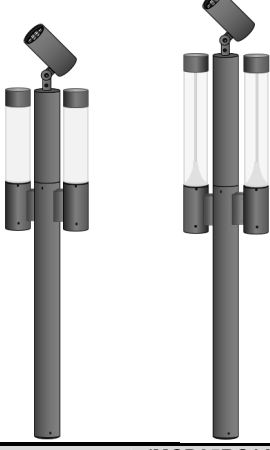
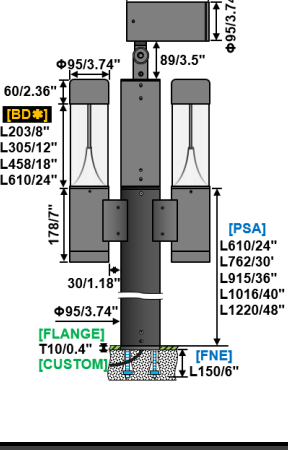
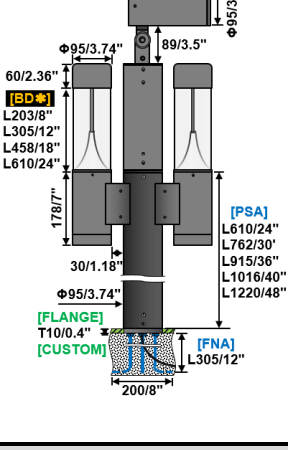
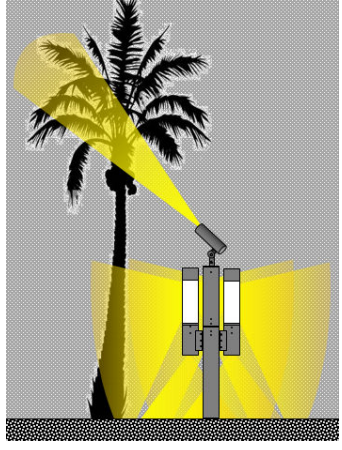
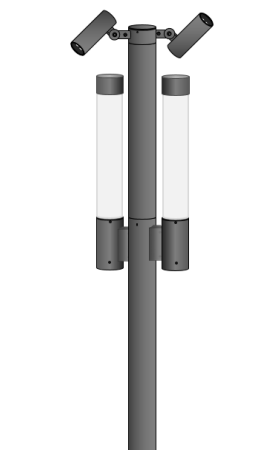
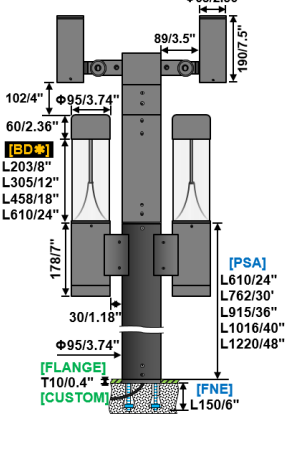
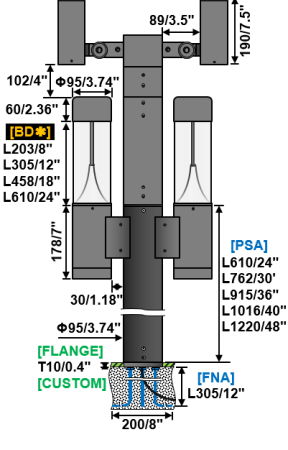
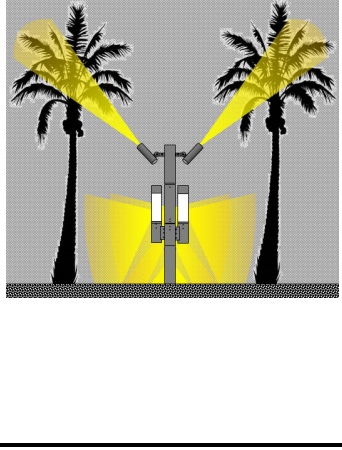
| [FWA]: Wall Surface Mounted Light                                                  |                                                                                   | DIMENSION:[UNIT: MM]                                                                |                                                                                      |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| NOTES:                                                                             | Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits. |                                                                                     |                                                                                      |
| NOTES:                                                                             | Customs Cage Masks Referred to Another Specifications.                            |                                                                                     |                                                                                      |
| Cylinder Light: (MCD95BC1A)                                                        |                                                                                   | Dimension: [Unit: MM]                                                               |                                                                                      |
| Downlight: (MCD95BD2B)                                                             |                                                                                   | [FWA]-[FNE-L75]                                                                     | [FWA]-[FNA-L100]                                                                     |
| Spotlight: (MCA65A2B)                                                              |                                                                                   |                                                                                     |                                                                                      |
| [BDC]                                                                              | [BDM]                                                                             |                                                                                     |                                                                                      |
|   |                                                                                   |   |   |
| Cylinder Light: (MCD95BC1A)-[BD*]                                                  |                                                                                   | Dimension: [Unit: MM]                                                               |                                                                                      |
| Downlight: (MCD95BD2B)                                                             |                                                                                   | [FWA]-[FNE-L75]                                                                     | [FWA]-[FNA-L100]                                                                     |
| Spotlight: GTG2103A-(MCA65A2B)                                                     |                                                                                   |                                                                                     |                                                                                      |
| (BDC-L205)                                                                         | (BDM-L305) (BDM-L455)                                                             |                                                                                     |                                                                                      |
|  |                                                                                   |  |  |

| [FWA] Wall Surface Mounted Light                                                    | CAST STUDY                                                                           |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |

| (MCD95B): [PSA] Bolland Light  |                                                                                     | DIMENSION:[UNIT: MM]                                                                 |                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| NOTES:                         | Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.   |                                                                                      |                                                                                       |
| NOTES:                         | Total Height of Poles need be shorter than 1600mm/63"                               |                                                                                      |                                                                                       |
| Cylinder Light: (MCD95BC1A)    | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
| Downlight: (MCD95BD2B)         |    |    |    |
| Spotlight: (MCA65A2B)          |                                                                                     |                                                                                      |                                                                                       |
| [BDC] [BDM]                    |                                                                                     |                                                                                      |                                                                                       |
| Cylinder Light: (MCD95BC1A)    | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
| Downlight: (MCD95BD2B)         |   |   |   |
| Spotlight: (MCA95A2B)          |                                                                                     |                                                                                      |                                                                                       |
| [BDC] [BDM]                    |                                                                                     |                                                                                      |                                                                                       |
| Cylinder Light: (MCD95BC1A)    | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
| Downlight: (MCD95BD2B)         |  |  |  |
| Spotlight: (MCA65A2B)-MQ2A180D |                                                                                     |                                                                                      |                                                                                       |
| [BDC]                          |                                                                                     |                                                                                      |                                                                                       |

| (MCD95B): [PSA] BOLLARD LIGHT                                                                                        |                                                                                   | DIMENSION:[UNIT: MM]    |            |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------|------------|
| NOTES:                                                                                                               | Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits. |                         |            |
| NOTES:                                                                                                               | Total Height of Poles need be shorter than 1600mm/63"                             |                         |            |
| Cylinder Light: (MCD95BC1A)-MQ2A180D<br>Downlight: (MCD95BD2B)<br>Spotlight: (MCA65A2B)<br><b>[BDC]</b> <b>[BDM]</b> | <b>[PSA]-[FNE-L150]</b>                                                           | <b>[PSA]-[FNA-L305]</b> | CASE STUDY |
|                                                                                                                      |                                                                                   |                         |            |
| Cylinder Light: (MCD95BC1A)-MQ2A180D<br>Downlight: (MCD95BD2B)<br>Spotlight: (MCA95A2B)<br><b>[BDC]</b> <b>[BDM]</b> | <b>[PSA]-[FNE-L150]</b>                                                           | <b>[PSA]-[FNA-L305]</b> | CASE STUDY |
|                                                                                                                      |                                                                                   |                         |            |
| Cylinder Light: (MCD95BC1A)-MQ2A180D<br>Downlight: (MCD95BD2B)<br>Spotlight: (MCA65A2B)-MQ2A180D<br><b>[BDC]</b>     | <b>[PSA]-[FNE-L150]</b>                                                           | <b>[PSA]-[FNA-L305]</b> | CASE STUDY |
|                                                                                                                      |                                                                                   |                         |            |

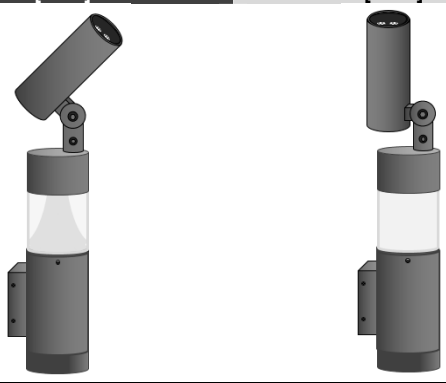
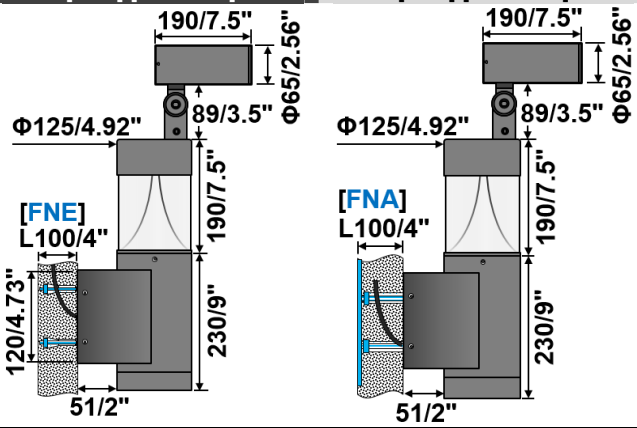
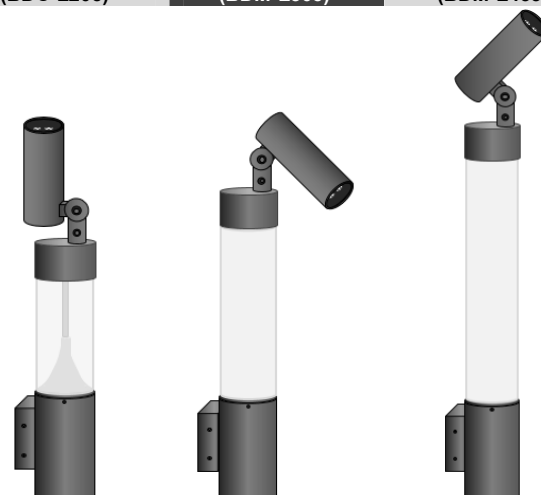
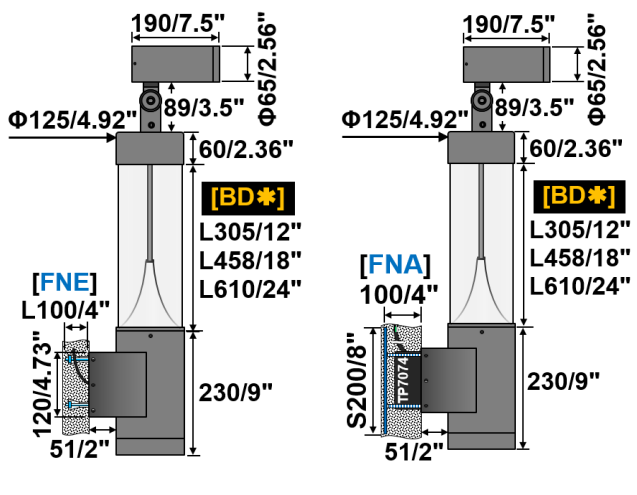
| (MCD95B)-[BD*]: [PSA] Bollard Light                                                                                                                      |                                                                                     |                                                                                      | DIMENSION:[UNIT: MM]                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.<br>NOTES: Total Height of Poles need be shorter than 1600mm/63" |                                                                                     |                                                                                      |                                                                                       |
| Cylinder Light: (MCD95BC1A)<br>Downlight: (MCD95BD2B)<br>Spotlight: (MCA65A2B)<br><b>[BDC-L205] [BDM-L305] [BDC-L455]</b>                                | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
|                                                                         |    |    |    |
| Cylinder Light: (MCD95BC1A)<br>Downlight: (MCD95BD2B)<br>Spotlight: (MCA95A2B)<br><b>[BDC-L205] [BDM-L305] [BDC-L455]</b>                                | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
|                                                                        |   |   |   |
| Cylinder Light: (MCD95BC1A)<br>Downlight: (MCD95BD2B)<br>Spotlight: (MCA65A2B)-MQ2A180D<br><b>[BDM-L305]</b>                                             | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
|                                                                       |  |  |  |

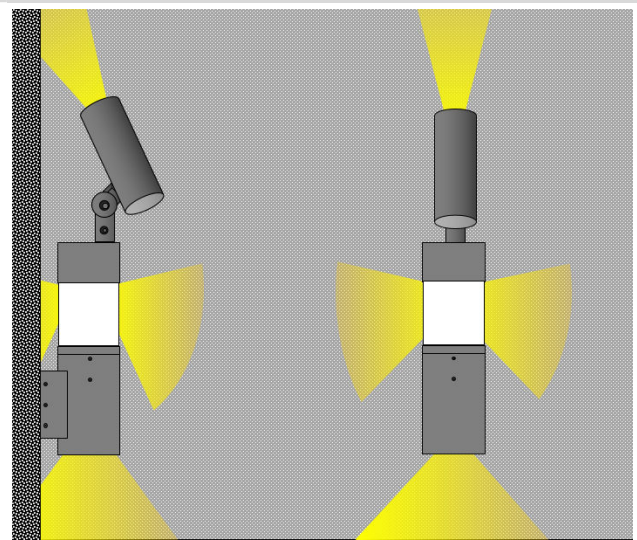
| (MCD95B)-[BD*]: [PSA] Bollard Light                                                 |                                                                                     |                                                                                      | DIMENSION:[UNIT: MM]                                                                  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| NOTES:                                                                              | Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.   |                                                                                      |                                                                                       |
| NOTES:                                                                              | Total Height of Poles need be shorter than 1600mm/63"                               |                                                                                      |                                                                                       |
| Cylinder Light: (MCD95BC1A)-[BD*]-MQ2A180D                                          | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
| Downlight: (MCD95BD2B)                                                              |                                                                                     |                                                                                      |                                                                                       |
| Spotlight: (MCA65A2B)                                                               |                                                                                     |                                                                                      |                                                                                       |
| [BDM-L305] [BDC-L455]                                                               |                                                                                     |                                                                                      |                                                                                       |
|    |    |    |    |
| Cylinder Light: (MCD95BC1A)-[BD*]-MQ2A180D                                          | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
| Downlight: (MCD95BD2B)                                                              |                                                                                     |                                                                                      |                                                                                       |
| Spotlight: (MCA95A2B)                                                               |                                                                                     |                                                                                      |                                                                                       |
| [BDM-L305] [BDC-L455]                                                               |                                                                                     |                                                                                      |                                                                                       |
|   |   |   |   |
| Cylinder Light: (MCD95BC1A)-[BD*]-MQ2A180D                                          | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
| Downlight: (MCD95BD2B)                                                              |                                                                                     |                                                                                      |                                                                                       |
| Spotlight: (MCA65A2B)-MQ2A180D                                                      |                                                                                     |                                                                                      |                                                                                       |
| [BDM-L455]                                                                          |                                                                                     |                                                                                      |                                                                                       |
|  |  |  |  |

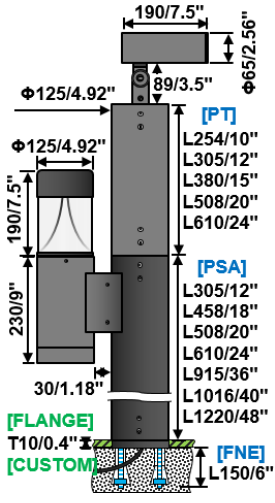
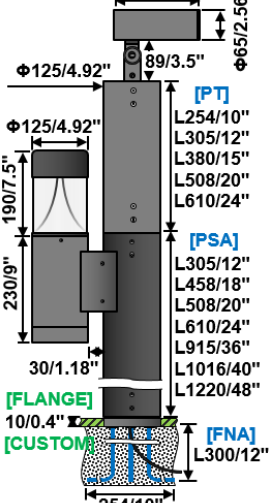
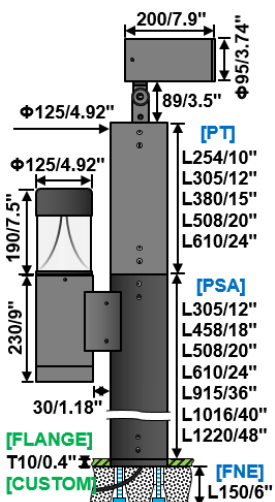
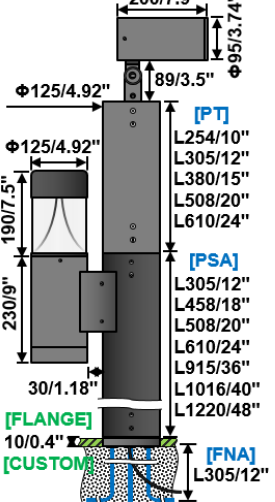
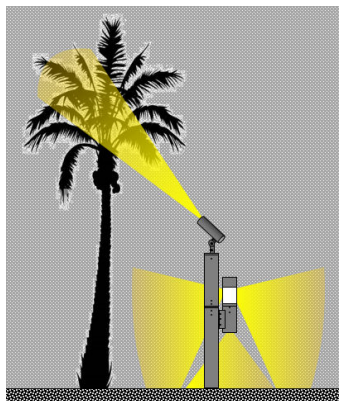
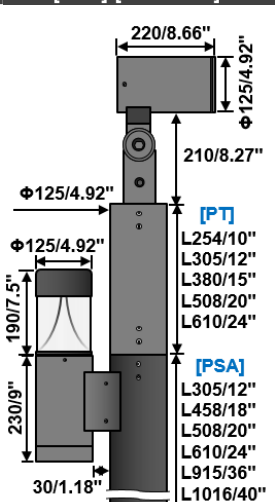
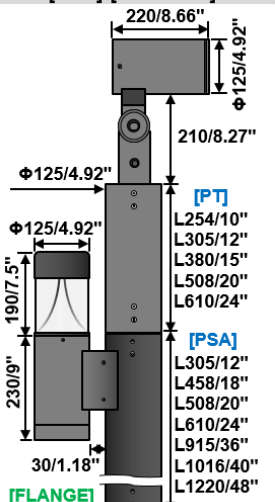
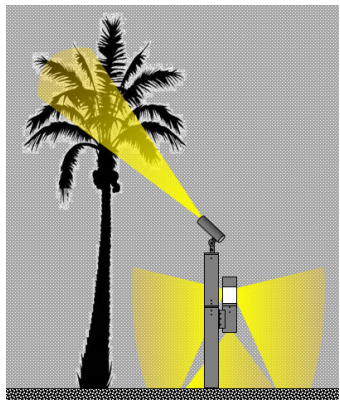
| (MCD95B)-[BD*]: [PSA] Tall Bollard Light                                                                                   |                      |                      | DIMENSION:[UNIT: MM] |
|----------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.                                   |                      |                      | CASE STUDY           |
| Cylinder (MCD95BC1A)-<br>Light: [BD*]-MQ2A180D<br>Downlight: (MCD95BD2B)<br>Spotlight: (MCA65A2B)<br>[BDM-L458] [BDC-L610] | [PBA]-[FNE-L250]<br> | [PBA]-[FNA-L610]<br> |                      |
| Cylinder (MCD95BC1A)-<br>Light: [BD*]-MQ2A180D<br>Downlight: (MCD95BD2B)<br>Spotlight: (MCA95A2B)<br>[BDM-L458] [BDC-L610] | [PBA]-[FNE-L250]<br> | [PBA]-[FNA-L610]<br> |                      |
| Cylinder (MCD95BC1A)-<br>Light: [BD*]-MQ2A180D<br>Downlight: (MCD95BD2B)<br>Spotlight: (MCA65A2B)<br>[BDM-L458] [BDC-L610] | [PBA]-[FNE-L250]<br> | [PBA]-[FNA-L610]<br> |                      |

**SPECIFICATION**

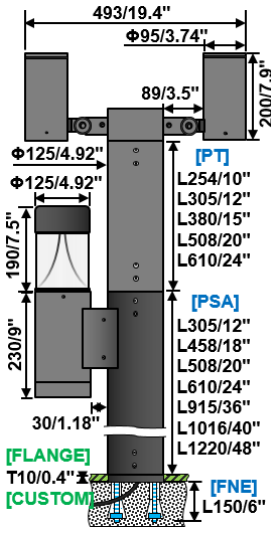
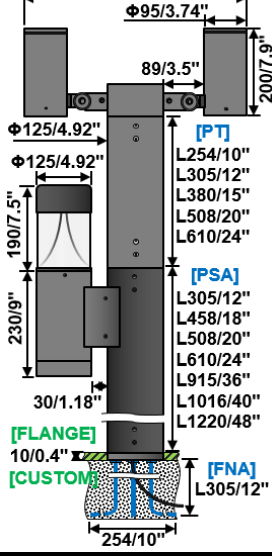
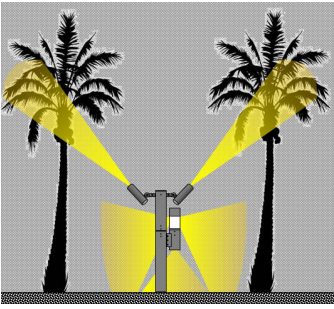
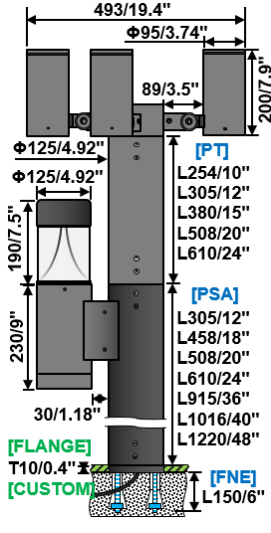
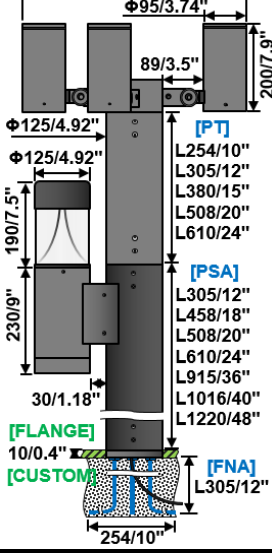
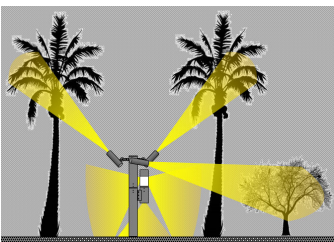
**TEEMU 501E-MCD125B: LED WALL LIGHT**

| [FWA]: Wall Surface Mounted Light                                                  |                                                                                   | DIMENSION:[UNIT: MM]                                                                |                  |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------|
| NOTES:                                                                             | Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits. |                                                                                     |                  |
| NOTES:                                                                             | Customs Cage Masks Referred to Another Specifications.                            |                                                                                     |                  |
| Cylinder Light: (MCD125BC1A)                                                       |                                                                                   | Dimension: [Unit: MM]                                                               |                  |
| Downlight: (MCD125BD2B)                                                            |                                                                                   | [FWA]-[FNE-L100]                                                                    | [FWA]-[FNA-L100] |
| Spotlight: (MCA65A2B)                                                              |                                                                                   |                                                                                     |                  |
| [BDC]                                                                              | [BDM]                                                                             |                                                                                     |                  |
|   |                                                                                   |   |                  |
| Cylinder Light: (MCD125BC1A)-[BD*]                                                 |                                                                                   | Dimension: [Unit: MM]                                                               |                  |
| Downlight: (MCD125BD2B)                                                            |                                                                                   | [FWA]-[FNE-L100]                                                                    | [FWA]-[FNA-L100] |
| Spotlight: GTG2103A-(MCA65A2B)                                                     |                                                                                   |                                                                                     |                  |
| (BDC-L205)                                                                         | (BDM-L305) (BDM-L455)                                                             |                                                                                     |                  |
|  |                                                                                   |  |                  |

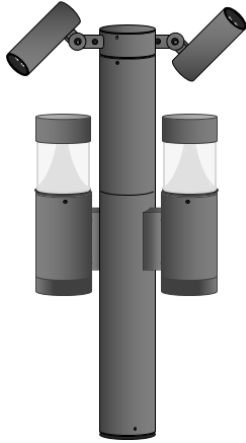
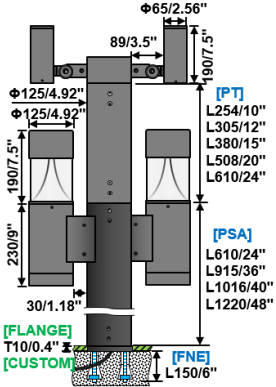
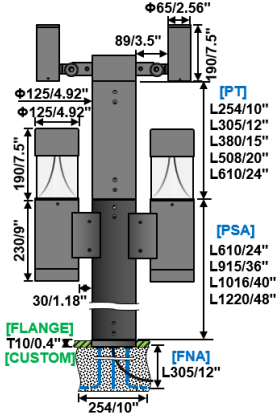
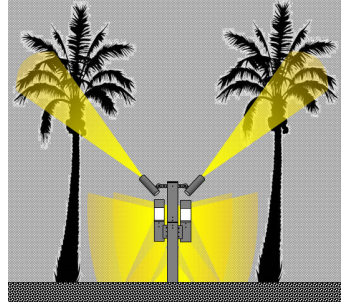
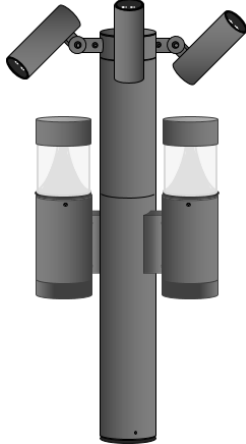
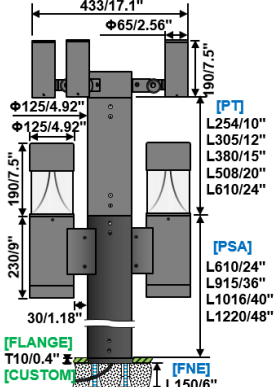
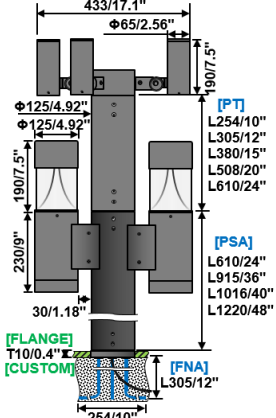
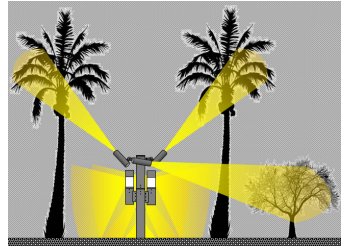
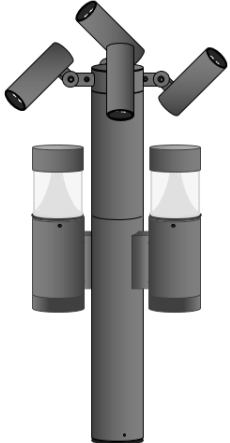
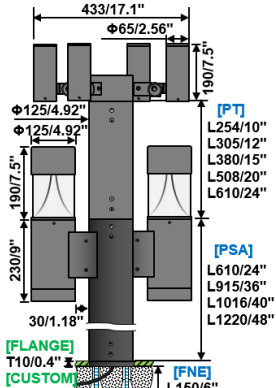
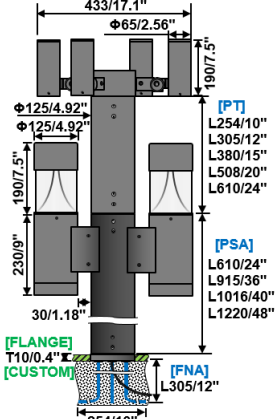
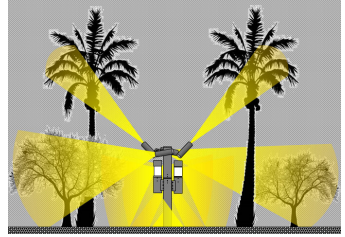
| [FWA] Wall Surface Mounted Light                                                    | CAST STUDY                                                                           |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |

| (MCD125B): [PSA] Bollard Light |                                                                                     |                                                                                      | DIMENSION:[UNIT: MM]                                                                  |
|--------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| NOTES:                         | Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.   |                                                                                      |                                                                                       |
| NOTES:                         | Total Height of Poles need be shorter than 1600mm/63"                               |                                                                                      |                                                                                       |
| Cylinder Light: (MCD125BC1A)   | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
| Downlight: (MCD125BD2B)        |    |    |    |
| Spotlight: (MCA65A2B)          |                                                                                     |                                                                                      |                                                                                       |
| [BDC]                          | [BDM]                                                                               |                                                                                      |                                                                                       |
| Cylinder Light: (MCD125BC1A)   | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
| Downlight: (MCD125BD2B)        |   |   |   |
| Spotlight: (MCA95A2B)          |                                                                                     |                                                                                      |                                                                                       |
| [BDC]                          | [BDM]                                                                               |                                                                                      |                                                                                       |
| Cylinder Light: (MCD125BC1A)   | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
| Downlight: (MCD125BD2B)        |  |  |  |
| Spotlight: (MCA125A2B)         |                                                                                     |                                                                                      |                                                                                       |
| [BDC]                          | [BDM]                                                                               |                                                                                      |                                                                                       |

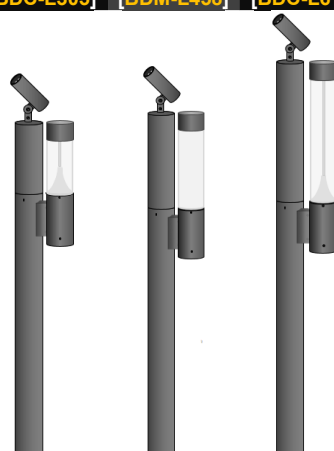
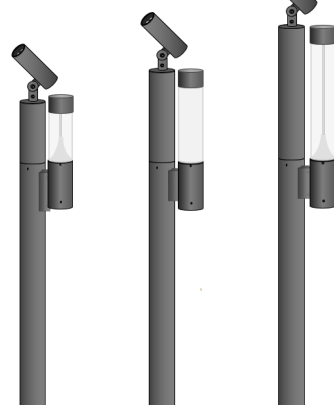
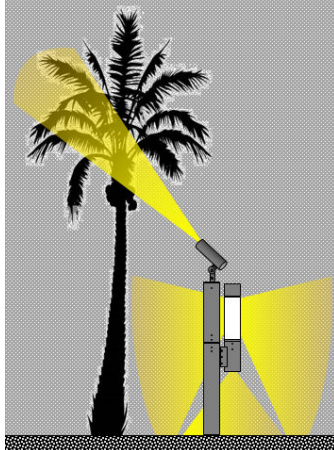
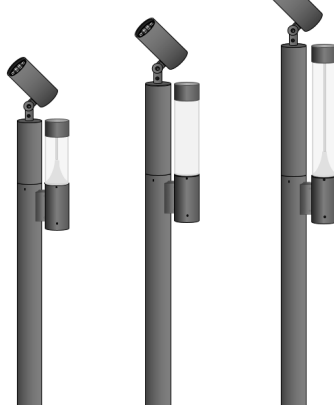
| (MCD125B): [PSA] Bollard Light                                                                                                                           |                             |                             | DIMENSION:[UNIT: MM]  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.<br>NOTES: Total Height of Poles need be shorter than 1600mm/63" |                             |                             |                       |
| Cylinder Light: (MCD125BC1A)<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)-MQ2A180D<br><b>[BDC]</b>                                                | <b>[PSA]-[FNE-L150]</b><br> | <b>[PSA]-[FNA-L305]</b><br> | <b>CASE STUDY</b><br> |
| Cylinder Light: (MCD125BC1A)<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)-MQ3A120D<br><b>[BDC]</b>                                                | <b>[PSA]-[FNE-L150]</b><br> | <b>[PSA]-[FNA-L305]</b><br> | <b>CASE STUDY</b><br> |
| Cylinder Light: (MCD125BC1A)<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)-MQ4A90D<br><b>[BDC]</b>                                                 | <b>[PSA]-[FNE-L150]</b><br> | <b>[PSA]-[FNA-L305]</b><br> | <b>CASE STUDY</b><br> |

| (MCD125B): [PSA] Bollard Light                                                                                                                           |                                                                                                               |                                                                                                                | DIMENSION:[UNIT: MM]                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.<br>NOTES: Total Height of Poles need be shorter than 1600mm/63" |                                                                                                               |                                                                                                                |                                                                                                            |
| Cylinder Light: (MCD125BC1A)<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA95A2B)-MQ2A180D<br><b>[BDC]</b>                                                | <b>[PSA]-[FNE-L150]</b><br>  | <b>[PSA]-[FNA-L305]</b><br>  | <b>CASE STUDY</b><br>   |
| Cylinder Light: (MCD125BC1A)<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA95A2B)-MQ3A120D<br><b>[BDC]</b>                                                | <b>[PSA]-[FNE-L150]</b><br> | <b>[PSA]-[FNA-L305]</b><br> | <b>CASE STUDY</b><br> |

| [MCD125B]: [PSA] Bollard Light                                                                                          |                             | DIMENSION:[UNIT: MM]        |                       |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.                                |                             |                             |                       |
| NOTES: Total Height of Poles need be shorter than 1600mm/63"                                                            |                             |                             |                       |
| Cylinder Light: (MCD125BC1A)-MQ2A180D<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)<br><b>[BDC]</b> <b>[BDM]</b>  | <b>[PSA]-[FNE-L150]</b><br> | <b>[PSA]-[FNA-L305]</b><br> | <b>CASE STUDY</b><br> |
| Cylinder Light: (MCD125BC1A)-MQ2A180D<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA95A2B)<br><b>[BDC]</b> <b>[BDM]</b>  | <b>[PSA]-[FNE-L150]</b><br> | <b>[PSA]-[FNA-L305]</b><br> | <b>CASE STUDY</b><br> |
| Cylinder Light: (MCD125BC1A)-MQ2A180D<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA125A2B)<br><b>[BDC]</b> <b>[BDM]</b> | <b>[PSA]-[FNE-L150]</b><br> | <b>[PSA]-[FNA-L305]</b><br> | <b>CASE STUDY</b><br> |

| (MCD125B): [PSA] Bollard Light                                                                                                                           |                                                                                     |                                                                                      | DIMENSION:[UNIT: MM]                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.<br>NOTES: Total Height of Poles need be shorter than 1600mm/63" |                                                                                     |                                                                                      |                                                                                       |
| Cylinder Light: (MCD125BC1A)-MQ2A180D<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)-MQ2A180D<br><b>[BDC]</b>                                       | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
|                                                                         |    |    |    |
| Cylinder Light: (MCD125BC1A)-MQ2A180D<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)-MQ3A120D<br><b>[BDC]</b>                                       | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
|                                                                       |  |   |  |
| Cylinder Light: (MCD125BC1A)-MQ2A180D<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)-MQ4A90D<br><b>[BDC]</b>                                        | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
|                                                                       |  |  |  |

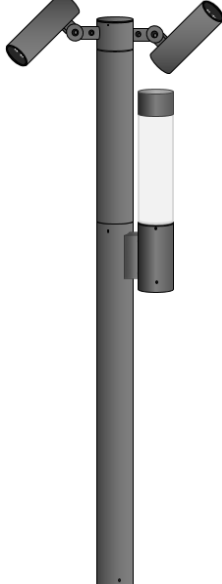
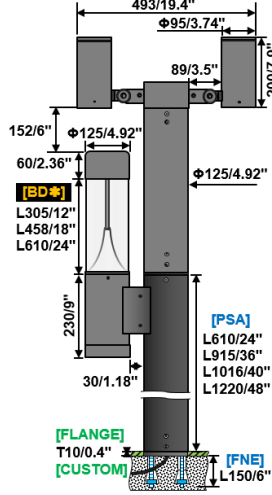
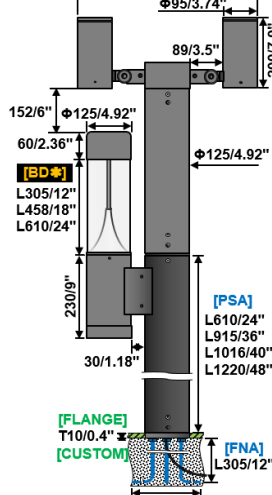
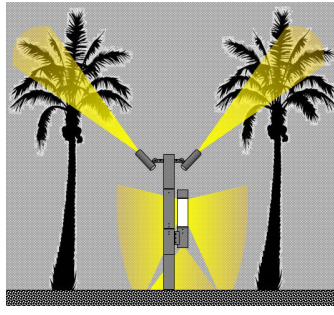
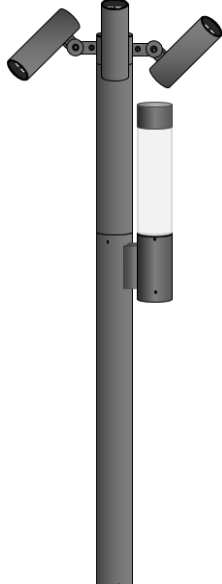
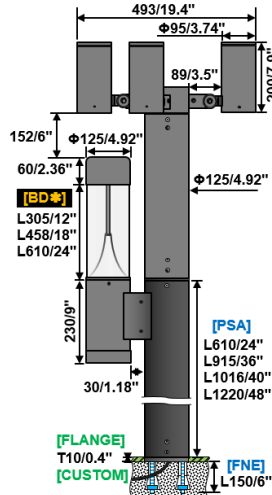
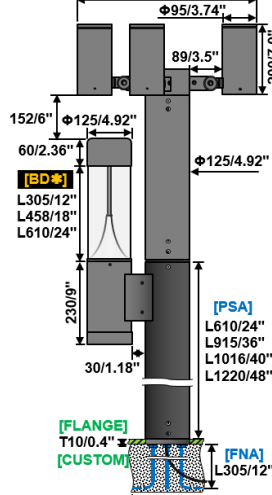
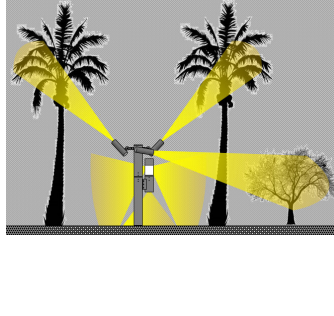
| (MCD125B): [PSA] Bollard Light                                                                                                                           |                         |                         | DIMENSION:[UNIT: MM] |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|----------------------|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.<br>NOTES: Total Height of Poles need be shorter than 1600mm/63" |                         |                         |                      |
| Cylinder Light: (MCD125BC1A)-MQ2A180D<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA95A2B)-MQ2A180D<br><b>[BDC]</b>                                       | <b>[PSA]-[FNE-L150]</b> | <b>[PSA]-[FNA-L305]</b> | <b>CASE STUDY</b>    |
| Cylinder Light: (MCD125BC1A)-MQ2A180D<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA95A2B)-MQ3A120D<br><b>[BDC]</b>                                       | <b>[PSA]-[FNE-L150]</b> | <b>[PSA]-[FNA-L305]</b> | <b>CASE STUDY</b>    |

| (MCD125B)-[BD*]: [PSA] Bollard Light<br>NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.<br>NOTES: Total Height of Poles need be shorter than 1600mm/63" |                  |                  | DIMENSION:[UNIT: MM]                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|---------------------------------------------------------------------------------------|
| Cylinder Light: (MCD125BC1A)<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)<br>[BDC-L305] [BDM-L458] [BDC-L610]                                                                             | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY                                                                            |
|                                                                                                                 |                  |                  |    |
| Cylinder Light: (MCD125BC1A)<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA95A2B)<br>[BDC-L305] [BDM-L458] [BDC-L610]                                                                             | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY                                                                            |
|                                                                                                                |                  |                  |   |
| Cylinder Light: (MCD125BC1A)<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA125A2B)<br>[BDC-L305] [BDM-L458] [BDC-L610]                                                                            | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY                                                                            |
|                                                                                                               |                  |                  |  |

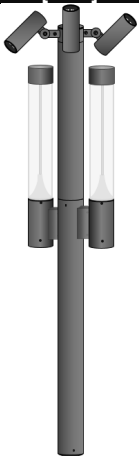
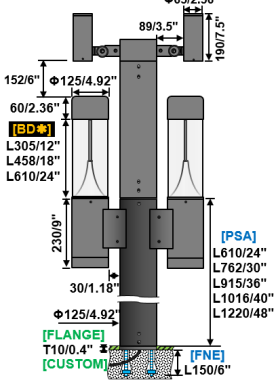
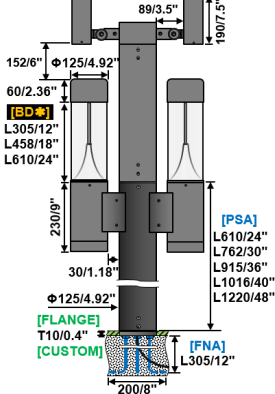
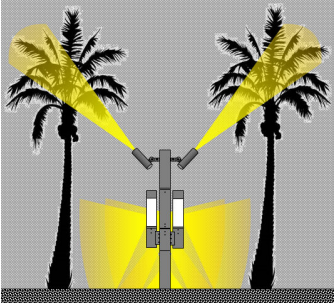
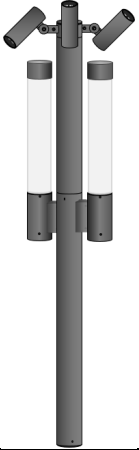
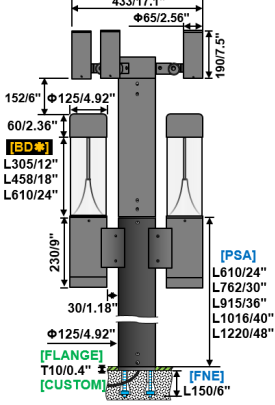
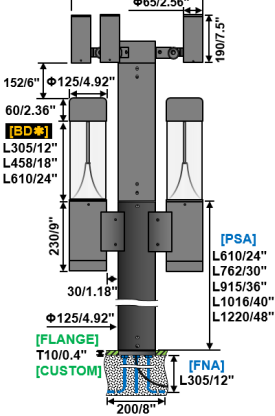
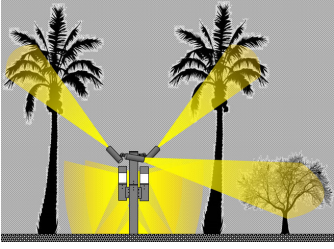
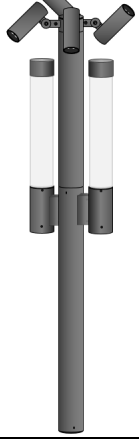
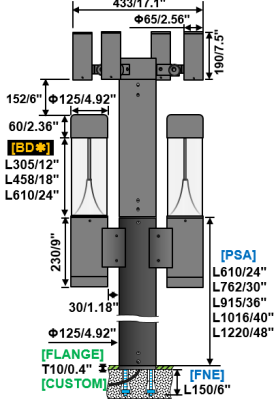
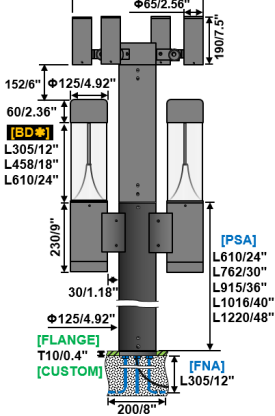
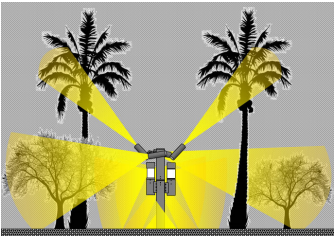
## SPECIFICATION

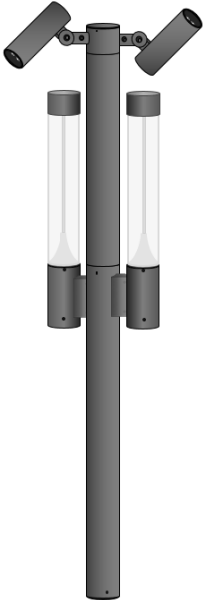
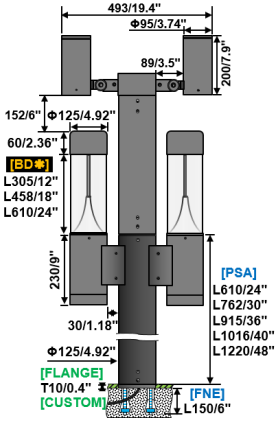
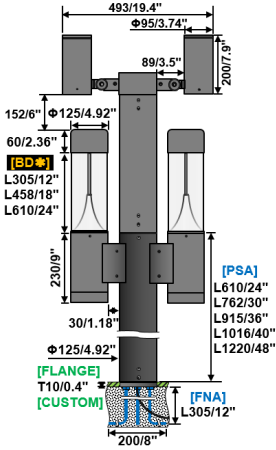
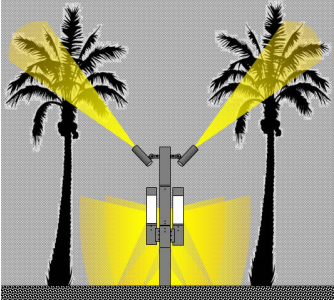
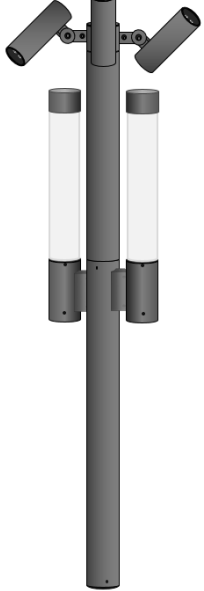
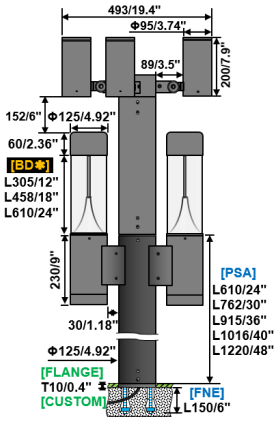
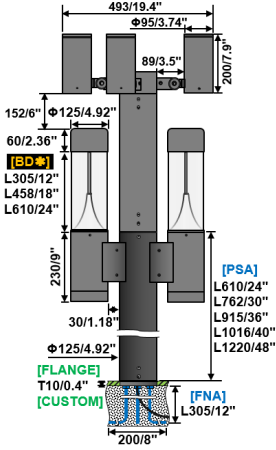
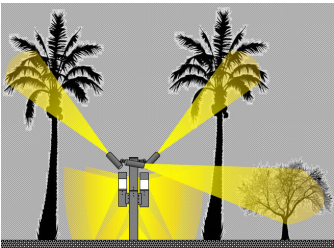
## TEEMU 501E-MCD125B: LED BOLLARD LIGHT

| (MCD125B)-[BD*]: [PSA] Bollard Light                                                      |                                                                                                                                            | DIMENSION:[UNIT: MM] |            |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|
| NOTES:<br>NOTES:                                                                          | Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.<br>Total Height of Poles need be shorter than 1600mm/63" |                      |            |
| Cylinder Light: (MCD125BC1A)<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)-MQ2A180D | [PSA]-[FNE-L150]                                                                                                                           | [PSA]-[FNA-L305]     | CASE STUDY |
|                                                                                           |                                                                                                                                            |                      |            |
| Cylinder Light: (MCD125BC1A)<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)-MQ3A120D | [PSA]-[FNE-L150]                                                                                                                           | [PSA]-[FNA-L305]     | CASE STUDY |
|                                                                                           |                                                                                                                                            |                      |            |
| Cylinder Light: (MCD125BC1A)<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)-MQ4A90D  | [PSA]-[FNE-L150]                                                                                                                           | [PSA]-[FNA-L305]     | CASE STUDY |
|                                                                                           |                                                                                                                                            |                      |            |

| (MCD125B)-[BD*]: [PSA] Bollard Light                                                                                                                     |                                                                                     | DIMENSION:[UNIT: MM]                                                                 |                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.<br>NOTES: Total Height of Poles need be shorter than 1600mm/63" |                                                                                     |                                                                                      |                                                                                       |
| Cylinder Light: (MCD125BC1A)<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA95A2B)-MQ2A180D<br><b>[BDC]</b>                                                | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
|                                                                         |    |    |    |
| Cylinder Light: (MCD125BC1A)<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA95A2B)-MQ3A120D<br><b>[BDC]</b>                                                | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
|                                                                       |  |  |  |

| (MCD125B)-[BD*]: [PSA] Bollard Light        |                                                                                   |                  | DIMENSION:[UNIT: MM] |
|---------------------------------------------|-----------------------------------------------------------------------------------|------------------|----------------------|
| NOTES:                                      | Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits. |                  |                      |
| NOTES:                                      | Total Height of Poles need be shorter than 1600mm/63"                             |                  |                      |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D | [PSA]-[FNE-L150]                                                                  | [PSA]-[FNA-L305] | CASE STUDY           |
| Downlight: (MCD125BD2B)                     |                                                                                   |                  |                      |
| Spotlight: (MCA65A2B)                       |                                                                                   |                  |                      |
| [BDM-L458] [BDC-L610]                       |                                                                                   |                  |                      |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D | [PSA]-[FNE-L150]                                                                  | [PSA]-[FNA-L305] | CASE STUDY           |
| Downlight: (MCD125BD2B)                     |                                                                                   |                  |                      |
| Spotlight: (MCA95A2B)                       |                                                                                   |                  |                      |
| [BDM-L458] [BDC-L610]                       |                                                                                   |                  |                      |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D | [PSA]-[FNE-L150]                                                                  | [PSA]-[FNA-L305] | CASE STUDY           |
| Downlight: (MCD125BD2B)                     |                                                                                   |                  |                      |
| Spotlight: (MCA125A2B)                      |                                                                                   |                  |                      |
| [BDM-L458] [BDC-L610]                       |                                                                                   |                  |                      |

| (MCD125B)-[BD*]: [PSA] Bollard Light                                                                                                                     |                                                                                     |                                                                                      | DIMENSION:[UNIT: MM]                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.<br>NOTES: Total Height of Poles need be shorter than 1600mm/63" |                                                                                     |                                                                                      |                                                                                       |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)-MQ2A180D<br><b>[BDC]</b>                                 | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
|                                                                         |    |    |    |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)-MQ3A120D<br><b>[BDM]</b>                                 | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
|                                                                       |  |  |  |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)-MQ4A90D<br><b>[BDM]</b>                                  | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
|                                                                       |  |  |  |

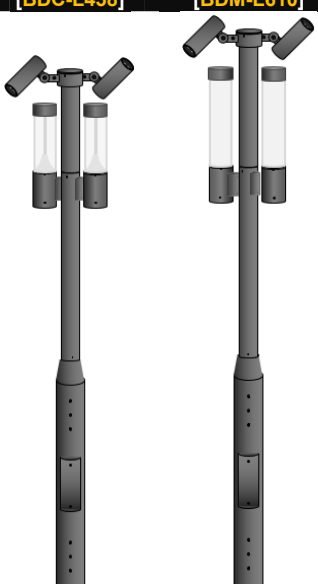
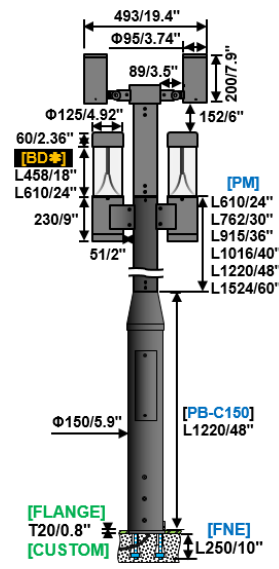
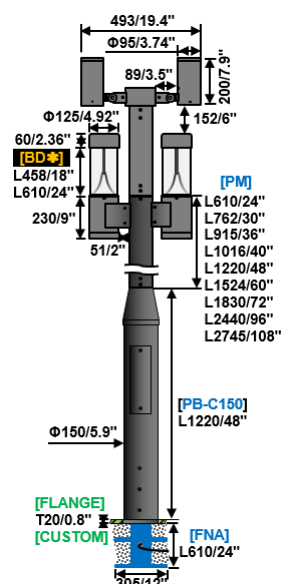
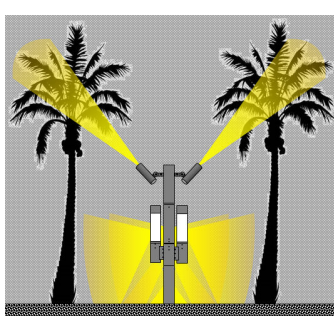
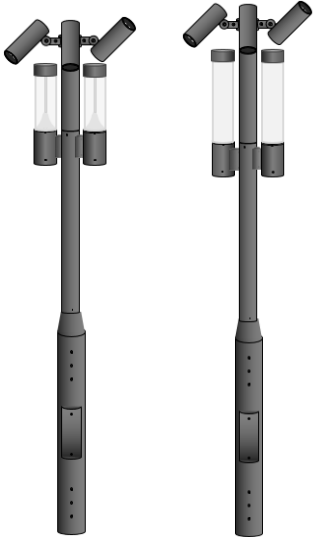
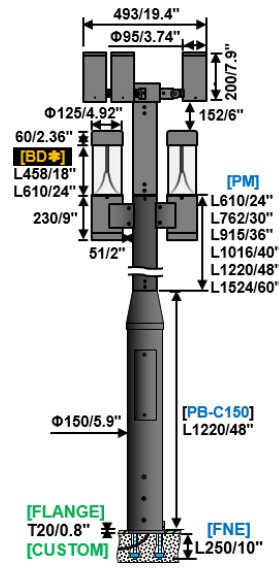
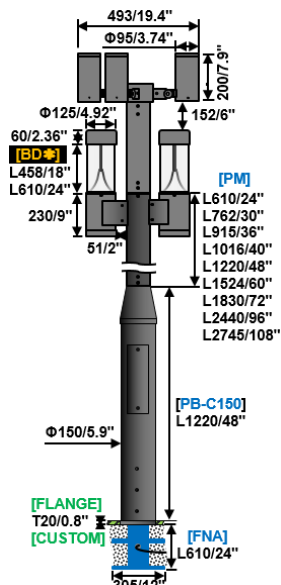
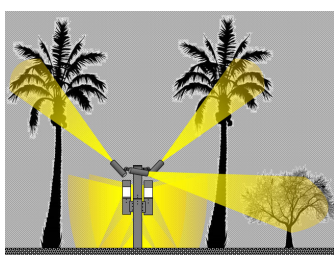
| (MCD125B)-[BD*]: [PSA] Bollard Light                                                |                                                                                     |                                                                                      | DIMENSION:[UNIT: MM]                                                                  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| NOTES:                                                                              | Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.   |                                                                                      |                                                                                       |
| NOTES:                                                                              | Total Height of Poles need be shorter than 1600mm/63"                               |                                                                                      |                                                                                       |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D                                         | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
| Downlight: (MCD125BD2B)                                                             |                                                                                     |                                                                                      |                                                                                       |
| Spotlight: (MCA65A2B)-MQ2A180D                                                      |                                                                                     |                                                                                      |                                                                                       |
| [BDC]                                                                               |                                                                                     |                                                                                      |                                                                                       |
|   |    |    |    |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D                                         | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
| Downlight: (MCD125BD2B)                                                             |                                                                                     |                                                                                      |                                                                                       |
| Spotlight: (MCA65A2B)-MQ3A120D                                                      |                                                                                     |                                                                                      |                                                                                       |
| [BDC]                                                                               |                                                                                     |                                                                                      |                                                                                       |
|  |  |  |  |

| (MCD125B)-[BD*]: [PSA] Tall Bollard Light                                                                                 |                  |                  | DIMENSION:[UNIT: MM] |
|---------------------------------------------------------------------------------------------------------------------------|------------------|------------------|----------------------|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.                                  |                  |                  |                      |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA65A2B)<br>[BDC-L458] [BDM-L610]  | [PBA]-[FNE-L250] | [PBA]-[FNA-L610] | CASE STUDY           |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA95A2B)<br>[BDC-L458] [BDM-L610]  | [PBA]-[FNE-L250] | [PBA]-[FNA-L610] | CASE STUDY           |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D<br>Downlight: (MCD125BD2B)<br>Spotlight: (MCA125A2B)<br>[BDC-L458] [BDM-L610] | [PBA]-[FNE-L250] | [PBA]-[FNA-L610] | CASE STUDY           |

| (MCD125B)-[BD*]: [PSA] Tall Bollard Light                                                |                  |                  | DIMENSION:[UNIT: MM] |
|------------------------------------------------------------------------------------------|------------------|------------------|----------------------|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits. |                  |                  |                      |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D                                              | [PBA]-[FNE-L250] | [PBA]-[FNA-L610] | CASE STUDY           |
| Downlight: (MCD125BD2B)                                                                  |                  |                  |                      |
| Spotlight: (MCA65A2B)-MQ2A180D                                                           |                  |                  |                      |
| [BDC-L458] [BDM-L610]                                                                    | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY           |
|                                                                                          |                  |                  |                      |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D                                              |                  |                  |                      |
| Downlight: (MCD125BD2B)                                                                  | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY           |
| Spotlight: (MCA65A2B)-MQ3A120D                                                           |                  |                  |                      |
| [BDC-L458] [BDM-L610]                                                                    |                  |                  |                      |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D                                              | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY           |
| Downlight: (MCD125BD2B)                                                                  |                  |                  |                      |
| Spotlight: (MCA65A2B)-MQ4A90D                                                            |                  |                  |                      |
| [BDC-L458] [BDM-L610]                                                                    |                  |                  |                      |

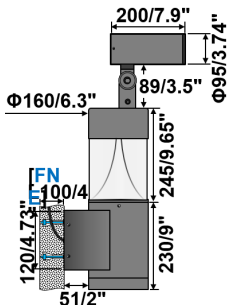
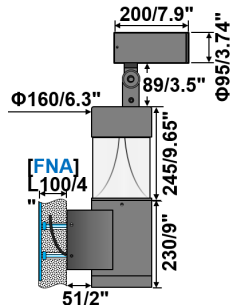
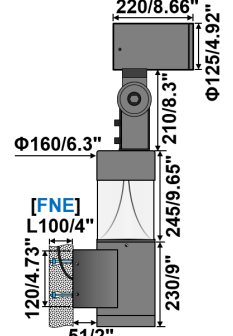
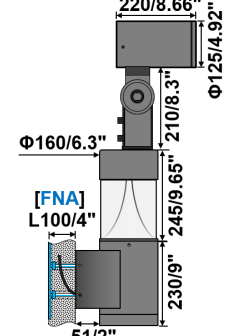
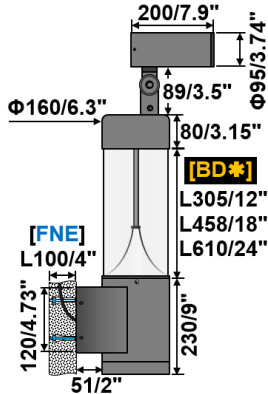
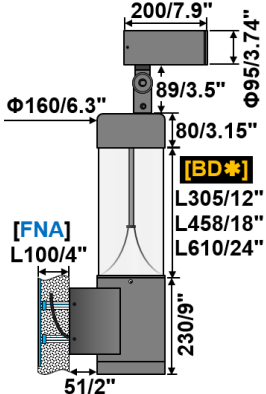
## SPECIFICATION

## TEEMU 501E-MCD125B: LED BOLLARD LIGHT

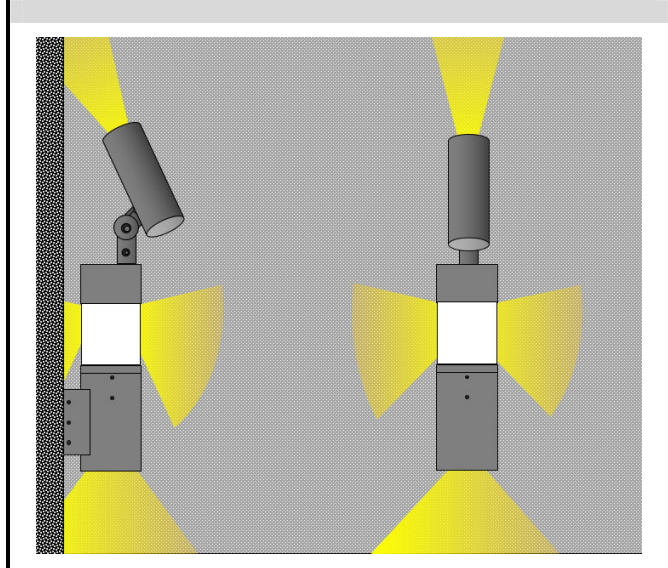
|                                                                                          |                                                                                     |                                                                                      |                                                                                       |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| (MCD125B)-[BD*]: [PSA] Bollard Light                                                     |                                                                                     | DIMENSION:[UNIT: MM]                                                                 |                                                                                       |
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits. |                                                                                     |                                                                                      |                                                                                       |
| NOTES: Total Height of Poles need be shorter than 1600mm/63"                             |                                                                                     |                                                                                      |                                                                                       |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D                                              | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
| Downlight: (MCD125BD2B)                                                                  |                                                                                     |                                                                                      |                                                                                       |
| Spotlight: (MCA95A2B)-MQ2A180D                                                           |                                                                                     |                                                                                      |                                                                                       |
| [BDC-L458] [BDM-L610]                                                                    |                                                                                     |                                                                                      |                                                                                       |
|        |    |    |    |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D                                              | [PSA]-[FNE-L150]                                                                    | [PSA]-[FNA-L305]                                                                     | CASE STUDY                                                                            |
| Downlight: (MCD125BD2B)                                                                  |                                                                                     |                                                                                      |                                                                                       |
| Spotlight: (MCA95A2B)-MQ3A120D                                                           |                                                                                     |                                                                                      |                                                                                       |
| [BDC-L458] [BDM-L610]                                                                    |                                                                                     |                                                                                      |                                                                                       |
|       |  |  |  |

## SPECIFICATION

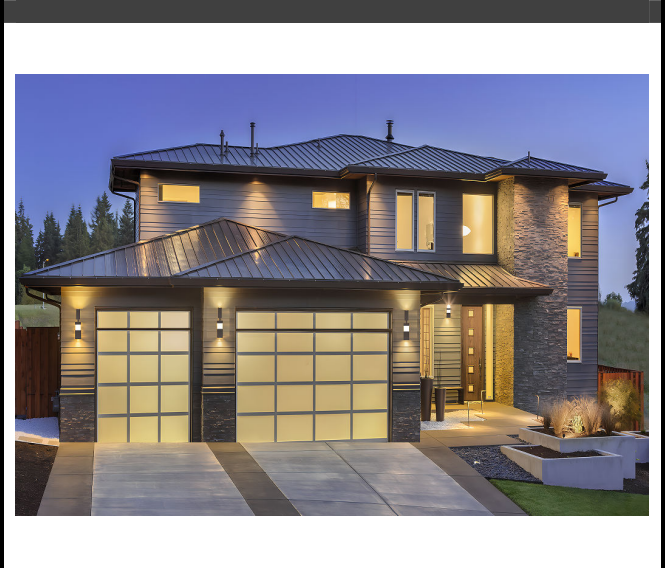
## TEEMU 501E-MCD160B: LED WALL LIGHT

| [FWA]: Wall Surface Mounted Light                                                        |                                                                                     | Dimension:[UNIT: MM]                                                                 |                                                                                       |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits. |                                                                                     |                                                                                      |                                                                                       |
| Cylinder Light: (MCD160BC1A)                                                             |                                                                                     | Dimension: [Unit: MM]                                                                |                                                                                       |
| Downlight: (MCD160BD2B)                                                                  |                                                                                     | [FWA]-[FNE-L100]                                                                     | [FWA]-[FNA-L100]                                                                      |
| Spotlight: (MCA95A2B)                                                                    |                                                                                     |                                                                                      |                                                                                       |
| [BDC]                                                                                    | [BDM]                                                                               |                                                                                      |                                                                                       |
|         |    |    |    |
| Cylinder Light: (MCD160BC1A)                                                             |                                                                                     | Dimension: [Unit: MM]                                                                |                                                                                       |
| Downlight: (MCD160BD2B)                                                                  |                                                                                     | [FWA]-[FNE-L100]                                                                     | [FWA]-[FNA-L100]                                                                      |
| Spotlight: (MCA125A2B)                                                                   |                                                                                     |                                                                                      |                                                                                       |
| (BDC)                                                                                    | (BDM)                                                                               |                                                                                      |                                                                                       |
|        |   |   |   |
| Cylinder Light: (MCD160BC1A)-[BD*]                                                       |                                                                                     | Dimension: [Unit: MM]                                                                |                                                                                       |
| Downlight: (MCD160BD2B)                                                                  |                                                                                     | [FWA]-[FNE-L100]                                                                     | [FWA]-[FNA-L100]                                                                      |
| Spotlight: GTG2103A-(MCA95A2B)                                                           |                                                                                     |                                                                                      |                                                                                       |
| (BDC-L305)                                                                               | (BDM-L458) (BDM-L510)                                                               |                                                                                      |                                                                                       |
|       |  |   |                                                                                       |
|                                                                                          |                                                                                     |  |  |

### [FWA] Wall Surface Mounted Light



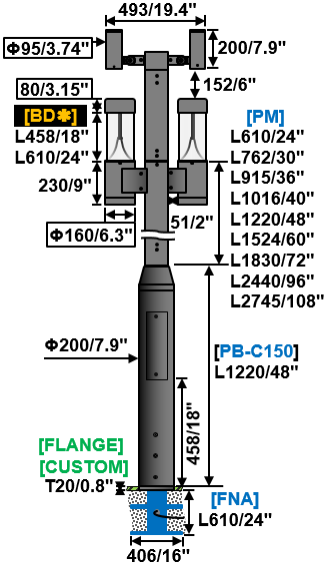
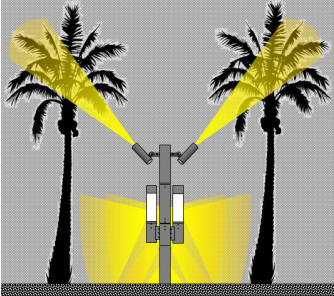
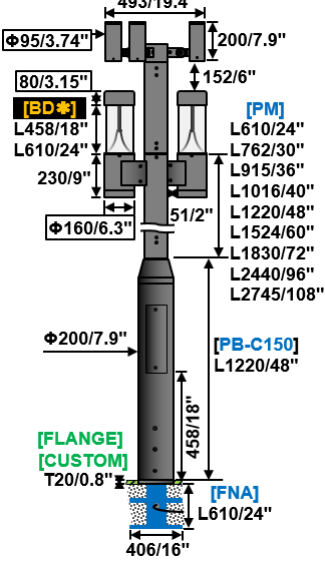
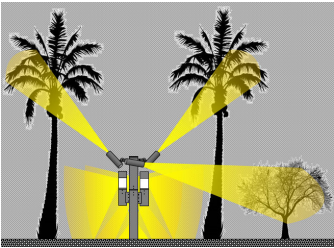
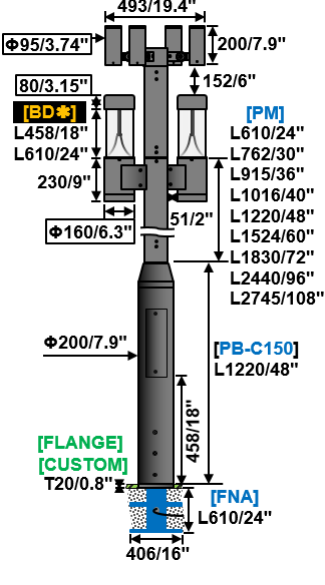
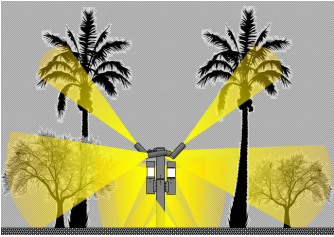
## CAST STUDY

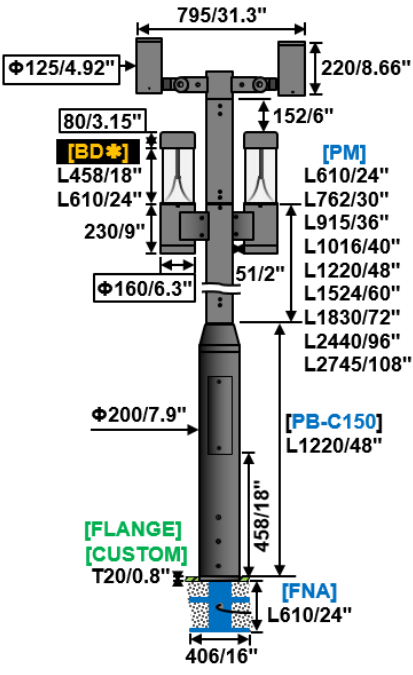
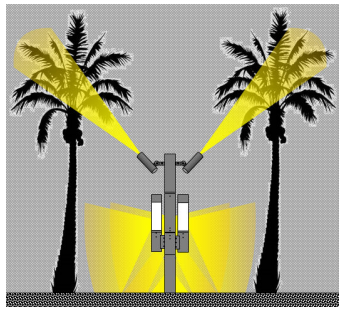
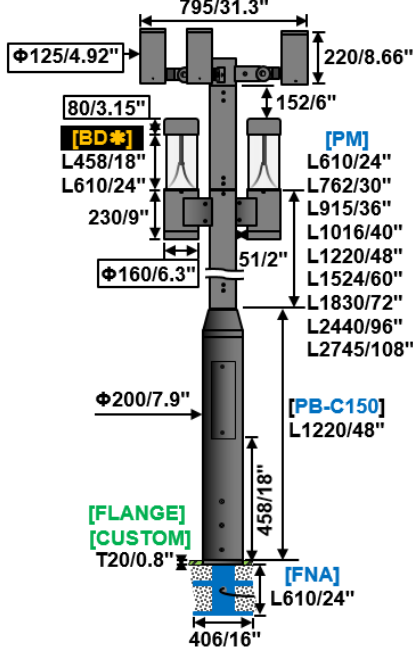
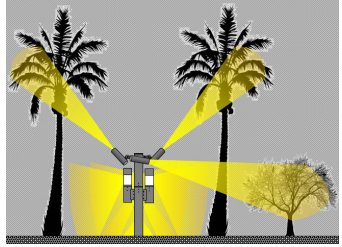


## SPECIFICATION

## TEEMU 501E-MCD160B: LED BOLLARD LIGHT

|                                                  |                                                                                   |                             |
|--------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|
| <b>(MCD160B)-[BD❖]: [PSA] Tall Bollard Light</b> |                                                                                   | <b>DIMENSION:[UNIT: MM]</b> |
| <b>NOTES:</b>                                    | Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits. |                             |
| Cylinder<br>Light:<br><b>[BD❖]-MQ2A180D</b>      | <b>[PBA]-[FNA-L610]</b>                                                           | <b>CASE STUDY</b>           |
| Downlight:<br><b>(MCD160BD2B)</b>                |                                                                                   |                             |
| Spotlight:<br><b>(MCA95A2B)</b>                  |                                                                                   |                             |
| <b>[BDC-L458]</b> <b>[BDM-L610]</b>              |                                                                                   |                             |
|                                                  |                                                                                   |                             |
|                                                  |                                                                                   |                             |
|                                                  |                                                                                   |                             |
|                                                  |                                                                                   |                             |
| Cylinder<br>Light:<br><b>[BD❖]-MQ2A180D</b>      | <b>[PBA]-[FNA-L610]</b>                                                           | <b>CASE STUDY</b>           |
| Downlight:<br><b>(MCD160BD2B)</b>                |                                                                                   |                             |
| Spotlight:<br><b>(MCA125A2B)</b>                 |                                                                                   |                             |
| <b>[BDC-L458]</b> <b>[BDM-L610]</b>              |                                                                                   |                             |
|                                                  |                                                                                   |                             |
|                                                  |                                                                                   |                             |
|                                                  |                                                                                   |                             |
|                                                  |                                                                                   |                             |
| Cylinder<br>Light:<br><b>[BD❖]-MQ2A180D</b>      | <b>[PBA]-[FNA-L610]</b>                                                           | <b>CASE STUDY</b>           |
| Downlight:<br><b>(MCD160BD2B)</b>                |                                                                                   |                             |
| Spotlight:<br><b>(MCA160A2B)</b>                 |                                                                                   |                             |
| <b>[BDC-L458]</b> <b>[BDM-L610]</b>              |                                                                                   |                             |
|                                                  |                                                                                   |                             |
|                                                  |                                                                                   |                             |
|                                                  |                                                                                   |                             |
|                                                  |                                                                                   |                             |

| (MCD160B)-[BD*]: [PSA] Tall Bollard Light                                                                                         |                                                                                     | DIMENSION:[UNIT: MM]                                                                                           |                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.                                          |                                                                                     |                                                                                                                |                                                                                                            |
| Cylinder Light: (MCD160BC1A)-[BD*]-MQ2A180D<br>Downlight: (MCD160BD2B)<br>Spotlight: (MCA95A2B)-MQ2A180D<br>[BDC-L458] [BDM-L610] |    | <b>[PBA]-[FNA-L610]</b><br>   | <b>CASE STUDY</b><br>   |
| Cylinder Light: (MCD160BC1A)-[BD*]-MQ2A180D<br>Downlight: (MCD160BD2B)<br>Spotlight: (MCA95A2B)-MQ3A120D<br>[BDC-L458] [BDM-L610] |  | <b>[PBA]-[FNA-L610]</b><br>  | <b>CASE STUDY</b><br> |
| Cylinder Light: (MCD160BC1A)-[BD*]-MQ2A180D<br>Downlight: (MCD160BD2B)<br>Spotlight: (MCA95A2B)-MQ4A90D<br>[BDC-L458] [BDM-L610]  |  | <b>[PBA]-[FNA-L610]</b><br> | <b>CASE STUDY</b><br> |

| (MCD160B)-[BD*]: [PSA] Bollard Light                                                                                                                     |                                                                                                                 | DIMENSION:[UNIT: MM]                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.<br>NOTES: Total Height of Poles need be shorter than 1600mm/63" |                                                                                                                 |                                                                                                            |
| Cylinder Light: (MCD160BC1A)-[BD*]-MQ2A180D<br>Downlight: (MCD160BD2B)<br>Spotlight: (MCA125A2B)-MQ2A180D<br><b>[BDC-L458]</b> <b>[BDM-L610]</b>         | <b>[PBA]-[FNA-L610]</b><br>   | <b>CASE STUDY</b><br>   |
| Cylinder Light: (MCD160BC1A)-[BD*]-MQ2A180D<br>Downlight: (MCD160BD2B)<br>Spotlight: (MCA125A2B)-MQ3A120D<br><b>[BDC-L458]</b> <b>[BDM-L610]</b>         | <b>[PBA]-[FNA-L610]</b><br> | <b>CASE STUDY</b><br> |