

INTRODUCTION

GTG5001E-MCD: ROUND LED GAREN LIGHT

FEATURE

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

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.

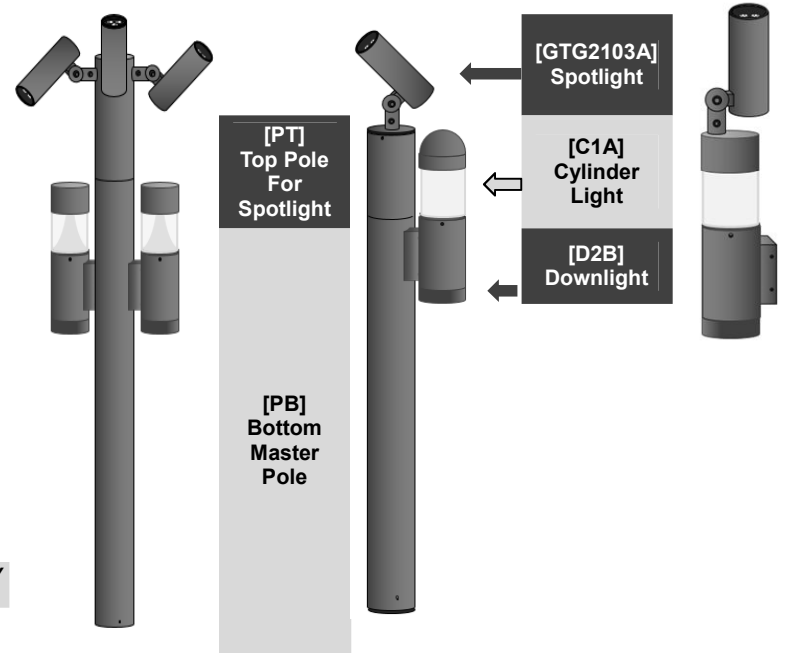
STANDARD

- Designed and Manufactured to Comply with CE/RoHS/CB/cETL/SAASASO 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 RAL9010P | BLACK RAL9005P | DARK GREY RAL7016P | GREY RAL7043P | PEARL GREY RAL9022P |
|-------------------|-------------------|-----------------------|------------------|------------------------|



| Custom Diffuser Finish | | | | Custom Top Profile | | |
|------------------------|------------|--------------|---------------|--------------------|----------------|----------------|
| [BDC] Clear | [BMP] Mask | [BDS] Stripe | [BDB] Bulbble | [MTF] Flat Top | [MTD] Dome Top | [MTT] Tilt Top |
| | | | | | | |





| MODEL | POWER [W] | LED TYPE | CCT [K] | | CRI | FLUX[Lm] | | POWER FACTOR | BEAM ANGLE | CUSTOM DIMMING | INPUT [V] | |
|-----------------------------------|--------------------------------|-----------------------------------------|---------|-------|------|----------|-------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| | | | [G1A] | [D2B] | | [G1A] | [D2B] | | | | | |
| GTG5001E-MCD95BC1A MCD95BD2B | UP:15W [12W] DOWN:12W | 72x0.5W SMD2835 12x2W SMD3030 | G2700K | | RA90 | 810 | 830 | >0.9 | Following for [C1A] Cylinder Light | [BDC] 120° | [CDN]: Non-dim [CDT]: TRIAC(10%) [CDV]: 0/1~10V(8%) [CDV0]: 0~10V(1%) [CDV1]: 1~10V(10%) [CDA]: DALI(1%) [CDX]: DMX512(1%) [+CDP]: PWM(1%) [CRF]: 2.4G RF(1%) | AC100~277V [AC100~240V] [AC100~347V] 50/60Hz |
| | | | G3000K | | RA90 | 860 | 890 | | | | | |
| | | | G3500K | | RA90 | 860 | 890 | | | | | |
| | | | G4000K | | RA90 | 910 | 960 | | | | | |
| | | | G5000K | | RA90 | 910 | 960 | | | | | |
| GTG5001E-MCD125BC1A MCD125BD2B | UP:30W [20W] DOWN:25W [12W] | 120x0.5W SMD2835 24x2W SMD3030 | G2700K | | RA90 | 1610 | 1660 | >0.9 | Following for [D2B] Downlight | [BDM] 150° LM-20% | [CSL]: Photocell Lux Sensor [CSPD]: Big-level PIR Motion Sensor [CSMD]: Big-level Microwave Motion Sensor | [+CV DC12V] [+CV DC24V] [+CV DC42V] |
| | | | G3000K | | RA90 | 1720 | 1780 | | | | | |
| | | | G3500K | | RA90 | 1720 | 1780 | | | | | |
| | | | G4000K | | RA90 | 1820 | 1920 | | | | | |
| | | | G5000K | | RA90 | 1820 | 1920 | | | | | |
| GTG5001D-MCD160BC1A MCD160BD2B | UP:50W [30W] DOWN:50W [30W] | 192x0.5W SMD2835 48x2W SMD3030 | G2700K | | RA90 | 2880 | 3310 | >0.9 | [Symmetric] BL30D:15° BL30D:30° BL60D:60° BL90D:90° BL120D:120° T5:150° [Oval] BLV15x60D [Asymmetric] T2M:V75xH150° T3M:V80xH150° T4M:V80xH150° | [Sensor] | [+CV DC12V] [+CV DC24V] [+CV DC42V] | |
| | | | G3000K | | RA90 | 3060 | 3570 | | | | | |
| | | | G3500K | | RA90 | 3060 | 3570 | | | | | |
| | | | G4000K | | RA90 | 3230 | 3830 | | | | | |
| | | | G5000K | | RA90 | 3230 | 3830 | | | | | |
| GTG5001E-MCD200BC1A MCD200BD2B | UP:50W [30W] DOWN:50W [30W] | 240x0.5W SMD2835 48x2W SMD3030 | G2700K | | RA90 | 2880 | 3310 | >0.9 | [Sensor] | [+CV DC12V] [+CV DC24V] [+CV DC42V] | | |
| | | | G3000K | | RA90 | 3060 | 3570 | | | | | |
| | | | G3500K | | RA90 | 3060 | 3570 | | | | | |
| | | | G4000K | | RA90 | 3230 | 3830 | | | | | |
| | | | G5000K | | RA90 | 3230 | 3830 | | | | | |

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.

GTG5001E-MCD: 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-MCA65A2B | 6W | 6x2W SMD3030 | G2700K | | RA90 | 530 | >0.9 | | [CDN]: Non Dimmable [CDT]: TRIAC(10%) [CDV]: 0/1~10V(8%) [CDV0]: 0~10V(1%) [CDV1]: 1~10V(10%) [CDA]: DALI(1%) [+CDP]: PWM(1%) | | | |
| | | | G3000K | | RA90 | 560 | | | | | | |
| | | | G3500K | | RA90 | 560 | | | | | | |
| | | | G4000K | | RA90 | 590 | | | | | | |
| | | | G5000K | | 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-MCA95A2B | 12W | 12x2W SMD3030 | G2700K | | RA90 | 1050 | >0.9 | [Symmetric] BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° BL90D:90° BL120D:120° | Following by Remote Driver [CDX]: DMX512(1%) [CDA]: DALI(1%) [CRZ]: ZIGBEE(1%) [CRF]: 2.4G RF(1%) [CRB]: Bluetooth(1%) [CDZ]: Zigbee(1%) | | | |
| | | | G3000K | | RA90 | 1110 | | | | | | |
| | | | G3500K | | RA90 | 1110 | | | | | | |
| | | | G4000K | | RA90 | 1180 | | | | | | |
| | | | G5000K | | 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-MCA125A2B | 25W [20W] [12W] | 24x2W SMD3030 | G2700K | | RA90 | 2100 | >0.9 | [Oval] BLV15x60° [Louver] BGL LM-20%  | Following [Sensor] [CSL]: Photocell Lux Sensor  [CSPD]: Big-level PIR Motion Sensor  [CSMD]: Big-level Microwave Motion Sensor  | AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V] [+CV DC42V] | | |
| | | | G3000K | | RA90 | 2230 | | | | | | |
| | | | G3500K | | RA90 | 2230 | | | | | | |
| | | | G4000K | | RA90 | 2360 | | | | | | |
| | | | G5000K | | 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-MCA160A2B | 50W [40W] [30W] | 48x2W SMD3030 | G2700K | | RA90 | 4370 | >0.9 | Following For (MC95) (MC125) (MC160) (MC200) [Asymmetric] T2M:V70xH155° T3M:V80xH155° T4M:V85xH155° T5: 150° | Following For (MC95)/(MC125) [CBE4W90MIN]: EM Backup Following For (MC125)/(MC160) [CBE8W90MIN]: EM Backup Following For (MC160)/(MC200) [CBE25W90MIN]: EM Backup | | | |
| | | | G3000K | | RA90 | 4640 | | | | | | |
| | | | G3500K | | RA90 | 4640 | | | | | | |
| | | | G4000K | | RA90 | 4920 | | | | | | |
| | | | G5000K | | 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-MCA200A2B | 75W [60W] [50W] | 72x2W SMD3030 | G2700K | | RA90 | 6640 | >0.9 | | | | | |
| | | | G3000K | | RA90 | 7060 | | | | | | |
| | | | G3500K | | RA90 | 7060 | | | | | | |
| | | | G4000K | | RA90 | 7470 | | | | | | |
| | | | G5000K | | 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.

GTG5001E-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 | [Symmetric] BL6D:6° BL10D:10° BL15D:15° BL25D:25° BL30D:30° BL45D:45° BL60D:60° [Oval] BLV15x45° BLV15x60° [BGL] Louver LM-25% | [CDN]:Non-Dim [CDT]:TRIAC(10%) [CDV]:0/1~10V(8%) [CDV0]:0~10V(1%) [CDV1]:1~10V(10%) [CDA]:DALI(1%) +CDP]:PWM(1%) Following by Remote Driver [CDX]:DMX512(1%) [CRZ]:ZIGBEE(1%) [CRF]:2.4G RF(1%) [CRB]:Bluetooth(1%) [CDS]:SPI(1%) Following [Sensor] [CSL]: Photocell Lux Sensor  [CSPD]: Big-level PIR Motion Sensor  [CSMD]: Big-level Microwave Motion Sensor  Following For (MC95)/(MC125) [CBE4W90MIN]: EM Backup Following For (MC125)/(MC160) [CBE8W90MIN]: EM Backup Following For (MC160)/(MC200) [CBE25W90MIN]: EM Backup | AC100~277V [AC100~240V] [AC100~347V] 50/60Hz [+CV DC12V] [+CV DC24V] [+CV DC42V] |
| | | | E3000K | RA80 | 750 | | | | |
| | | | E3500K | RA80 | 750 | | | | |
| | | | E4000K | RA80 | 830 | | | | |
| | | | E5000K | RA80 | 830 | | | | |
| | | | E6500K | RA80 | 820 | | | | |
| | 10W | 3x10W SMD3535 | G2700K | RA90 | 460 | > 0.9 | | | |
| | | | G3000K | RA90 | 480 | | | | |
| | | | G3500K | RA90 | 480 | | | | |
| | | | G4000K | RA90 | 530 | | | | |
| | | | G5000K | RA90 | 530 | | | | |
| | | | G6500K | RA90 | 510 | | | | |
| 2C@10W | TWG | G2700K G6500K | RA90 | 460 | > 0.9 | | | | |
| 3C@10W | RGB | 620nm 520nm 460nm | \ | 460 | > 0.9 | | | | |
| 4C@10W | RGBW | 620nm 520nm 460nm 2700K | \ | 460 | > 0.9 | | | | |
| 4C@10W | RGBA | 620nm 520nm 460nm 590nm | \ | 460 | > 0.9 | | | | |
| GTG2103A-MCA95A3C | 20W [12W] | 6x10W SMD3535 | E2700K | RA80 | 1460 | > 0.9 | | | |
| | | | E3000K | RA80 | 1510 | | | | |
| | | | E3500K | RA80 | 1510 | | | | |
| | | | E4000K | RA80 | 1660 | | | | |
| | | | E5000K | RA80 | 1660 | | | | |
| | | | E6500K | RA80 | 1640 | | | | |
| | 20W [12W] | 6x10W SMD3535 | G2700K | RA90 | 920 | > 0.9 | | | |
| | | | G3000K | RA90 | 950 | | | | |
| | | | G3500K | RA90 | 950 | | | | |
| | | | G4000K | RA90 | 1050 | | | | |
| | | | G5000K | RA90 | 1050 | | | | |
| | | | G6500K | RA90 | 1020 | | | | |
| 2C@20W | TWG | G2700K G6500K | RA90 | 920 | > 0.9 | | | | |
| 3C@20W | RGB | 620nm 520nm 460nm | \ | 920 | > 0.9 | | | | |
| 4C@20W | RGBW | 620nm 520nm 460nm 2700K | \ | 920 | > 0.9 | | | | |
| 4C@20W | RGBA | 620nm 520nm 460nm 590nm | \ | 920 | > 0.9 | | | | |
| 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 | | | | |
| | | | E6500K | RA80 | 2860 | | | | |
| | 30W [40W] [25W] [12W] | 12x10W SMD3535 | G2700K | RA90 | 1560 | > 0.9 | | | |
| | | | G3000K | RA90 | 1610 | | | | |
| | | | G3500K | RA90 | 1610 | | | | |
| | | | G4000K | RA90 | 1810 | | | | |
| | | | G5000K | RA90 | 1810 | | | | |
| | | | G6500K | RA90 | 1740 | | | | |
| 2C@30W | TWG | G2700K G6500K | RA90 | 1260 | > 0.9 | | | | |
| 3C@30W | RGB | 620nm 520nm 460nm | \ | 1260 | > 0.9 | | | | |
| 4C@30W | RGBW | 620nm 520nm 460nm 2700K | \ | 1260 | > 0.9 | | | | |
| 4C@30W | RGBA | 620nm 520nm 460nm 590nm | \ | 1260 | > 0.9 | | | | |
| GTG2103A-MCA160A3C | 50W [40W] | 18x10W SMD3535 | E2700K | RA80 | 4120 | > 0.9 | | | |
| | | | E3000K | RA80 | 4380 | | | | |
| | | | E3500K | RA80 | 4380 | | | | |
| | | | E4000K | RA80 | 4770 | | | | |
| | | | E5000K | RA80 | 4770 | | | | |
| | | | E6500K | RA80 | 4750 | | | | |
| | 50W [40W] | 18x10W SMD3535 | G2700K | RA90 | 2600 | > 0.9 | | | |
| | | | G3000K | RA90 | 2680 | | | | |
| | | | G3500K | RA90 | 2680 | | | | |
| | | | G4000K | RA90 | 3060 | | | | |
| | | | G5000K | RA90 | 3060 | | | | |
| | | | G6500K | RA90 | 2900 | | | | |
| 2C@50W | TWG | G2700K G6500K | RA90 | 2260 | > 0.9 | | | | |
| 3C@50W | RGB | 620nm 520nm 460nm | \ | 2260 | > 0.9 | | | | |
| 4C@50W | RGBW | 620nm 520nm 460nm 2700K | \ | 2260 | > 0.9 | | | | |
| 4C@50W | RGBA | 620nm 520nm 460nm 590nm | \ | 2260 | > 0.9 | | | | |
| GTG2103A-MCA200A3C | 60W [50W] [40W] | 24x10W SMD3535 | E2700K | RA80 | 4850 | > 0.9 | | | |
| | | | E3000K | RA80 | 5020 | | | | |
| | | | E3500K | RA80 | 5020 | | | | |
| | | | E4000K | RA80 | 5560 | | | | |
| | | | E5000K | RA80 | 5560 | | | | |
| | | | E6500K | RA80 | 5450 | | | | |
| | 60W [50W] [40W] | 24x10W SMD3535 | G2700K | RA90 | 3080 | > 0.9 | | | |
| | | | G3000K | RA90 | 3180 | | | | |
| | | | G3500K | RA90 | 3180 | | | | |
| | | | G4000K | RA90 | 3510 | | | | |
| | | | G5000K | RA90 | 3510 | | | | |
| | | | G6500K | RA90 | 3410 | | | | |
| 2C@60W | TWG | G2700K G6500K | RA90 | 3080 | > 0.9 | | | | |
| 3C@60W | RGB | 620nm 520nm 460nm | \ | 3080 | > 0.9 | | | | |
| 4C@60W | RGBW | 620nm 520nm 460nm 2700K | \ | 3080 | > 0.9 | | | | |
| 4C@60W | RGBA | 620nm 520nm 460nm 590nm | \ | 3080 | > 0.9 | | | | |

NOTE:

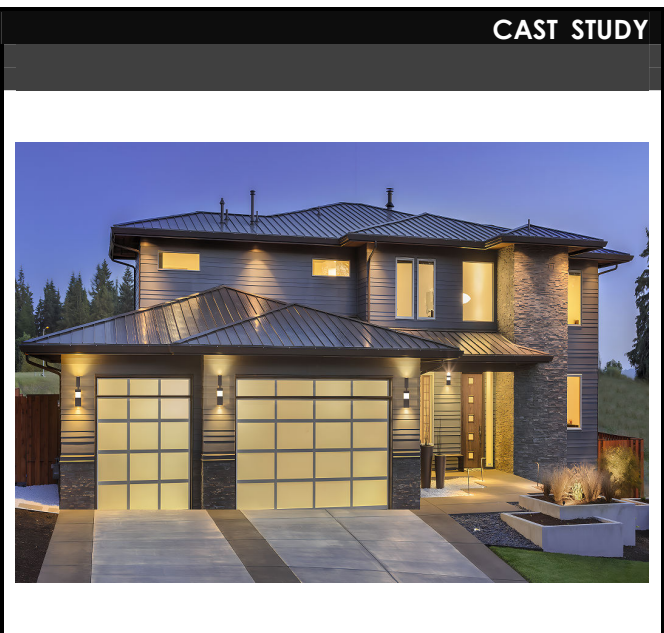
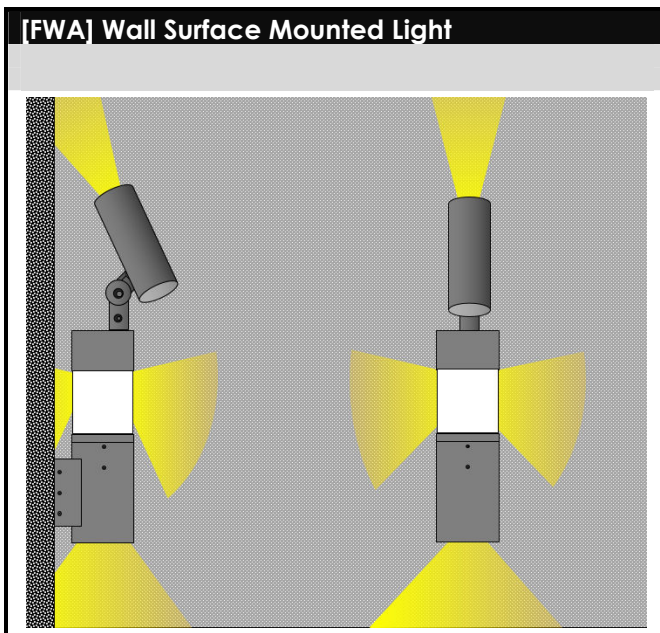
All parameters are measured at 25°C ambient temperature, 35% humidity experimental environment. Tolerances of power and luminous flux are ±10%, tolerance of color rendering index is ±5.

SPECIFICATION

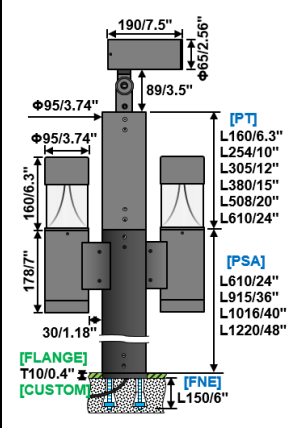
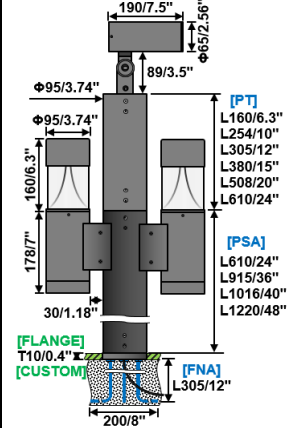

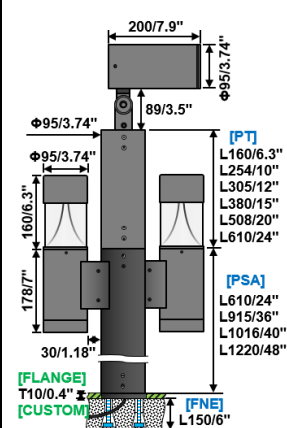
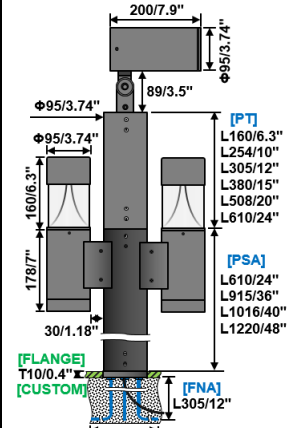
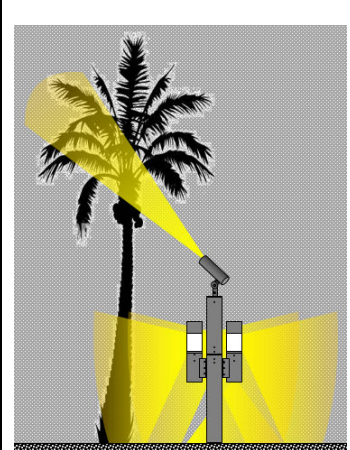
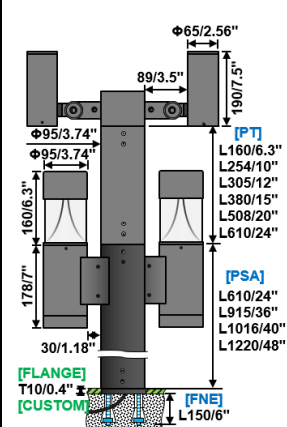
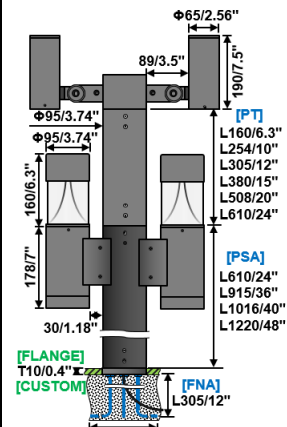
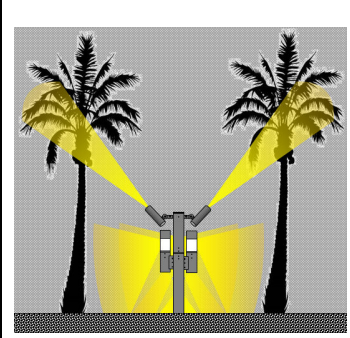
GTG5001E-MCD95B: LED WALL LIGHT

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------|--|
| [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) Downlight: (MCD95BD2B) Spotlight: (MCA65A2B) | | Dimension: [Unit: MM] [FWA]-[FNE-L75] [FWA]-[FNA-L100] | |
| [BDC] | [BDM] | | |

| | | | |
|-----------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------|--|
| Cylinder Light: (MCD95BC1A)-[BD*] Downlight: (MCD95BD2B) Spotlight: GTG2103A-(MCA65A2B) | | Dimension: [Unit: MM] [FWA]-[FNE-L75] [FWA]-[FNA-L100] | |
| (BDC-L205) | (BDM-L305) | (BDM-L455) | |
| | | | |
| | | | |



| (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) Downlight: (MCD95BD2B) Spotlight: (MCA65A2B) [BDC] [BDM] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| Cylinder Light: (MCD95BC1A) Downlight: (MCD95BD2B) Spotlight: (MCA95A2B) [BDC] [BDM] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| Cylinder Light: (MCD95BC1A) Downlight: (MCD95BD2B) Spotlight: (MCA65A2B)-MQ2A180D [BDC] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |

| (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 Downlight: (MCD95BD2B) Spotlight: (MCA65A2B) [BDC] [BDM] | [PSA]-[FNE-L150]  | [PSA]-[FNA-L305]  | CASE STUDY  |
| Cylinder Light: (MCD95BC1A)-MQ2A180D Downlight: (MCD95BD2B) Spotlight: (MCA95A2B) [BDC] [BDM] | [PSA]-[FNE-L150]  | [PSA]-[FNA-L305]  | CASE STUDY  |
| Cylinder Light: (MCD95BC1A)-MQ2A180D Downlight: (MCD95BD2B) Spotlight: (MCA65A2B)-MQ2A180D [BDC] | [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) Downlight: (MCD95BD2B) Spotlight: (MCA65A2B) [BDC-L205] [BDM-L305] [BDC-L455] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| | | | |
| Cylinder Light: (MCD95BC1A) Downlight: (MCD95BD2B) Spotlight: (MCA95A2B) [BDC-L205] [BDM-L305] [BDC-L455] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| | | | |
| Cylinder Light: (MCD95BC1A) Downlight: (MCD95BD2B) Spotlight: (MCA65A2B)-MQ2A180D [BDM-L305] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| | | | |

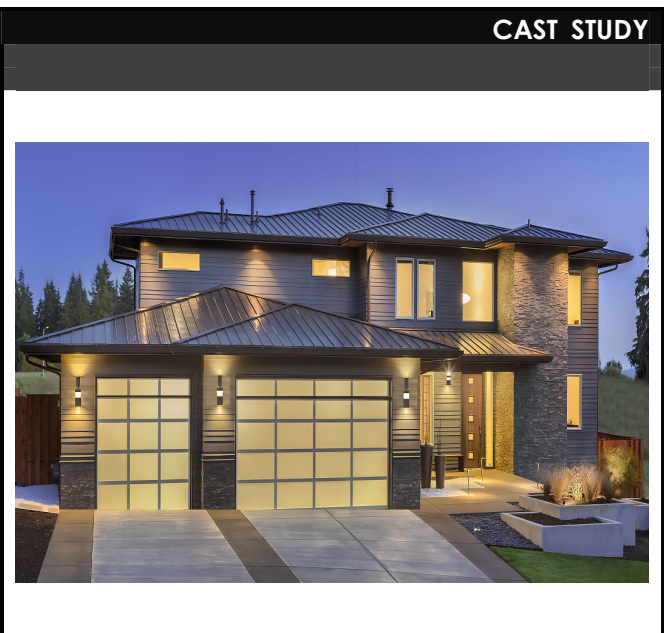
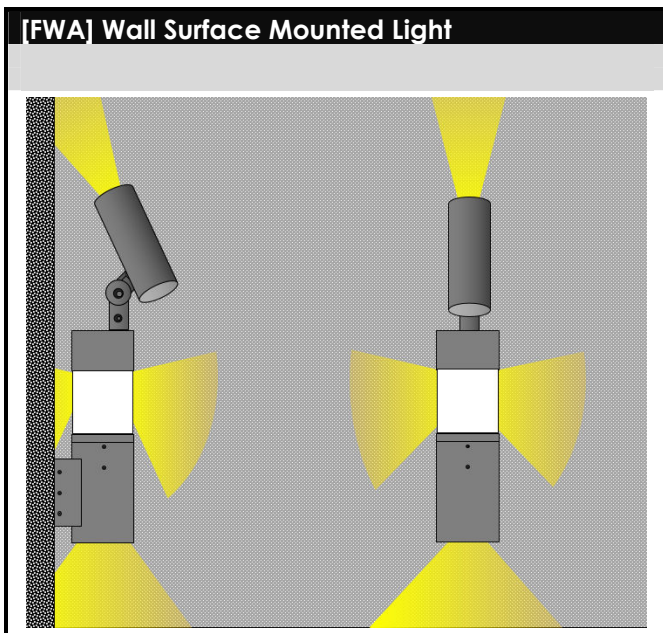
| (MCD95B)-[BD*]: [PSA] Bollard Light | | | DIMENSION:[UNIT: MM] |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------|----------------------|
| 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 Downlight: (MCD95BD2B) Spotlight: (MCA65A2B) [BDM-L305] [BDC-L455] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| Cylinder Light: (MCD95BC1A)-[BD*]-MQ2A180D Downlight: (MCD95BD2B) Spotlight: (MCA95A2B) [BDM-L305] [BDC-L455] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| Cylinder Light: (MCD95BC1A)-[BD*]-MQ2A180D Downlight: (MCD95BD2B) Spotlight: (MCA65A2B)-MQ2A180D [BDM-L455] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |

SPECIFICATION

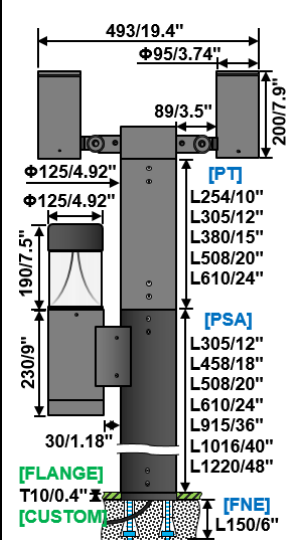
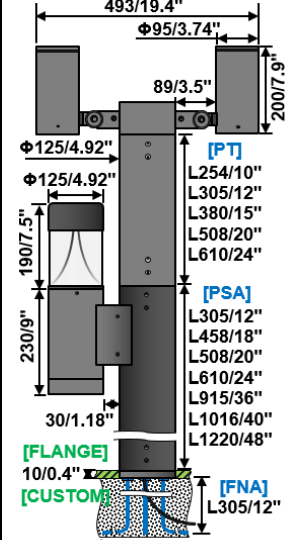
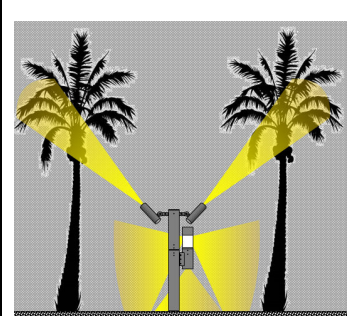
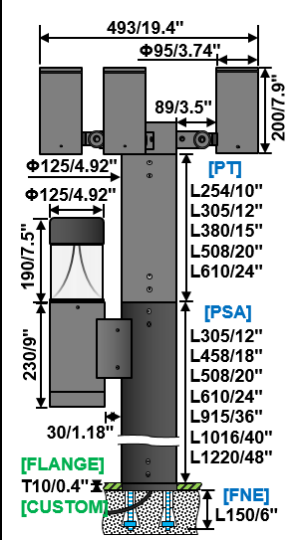
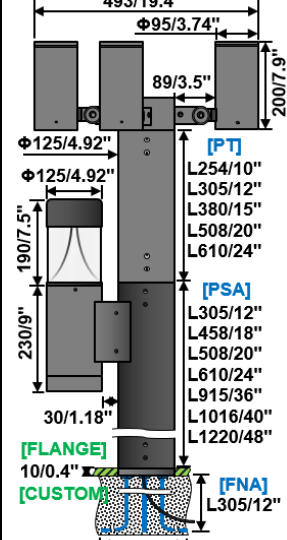
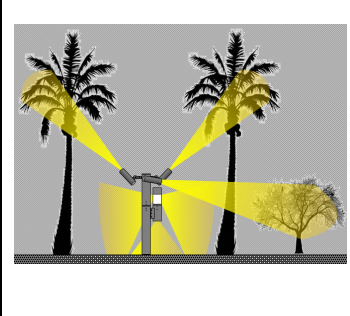
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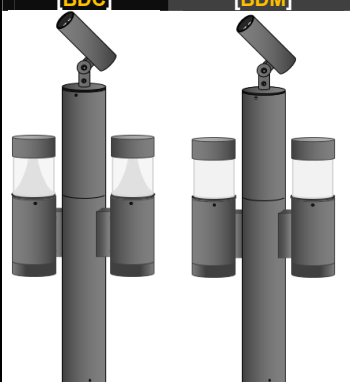
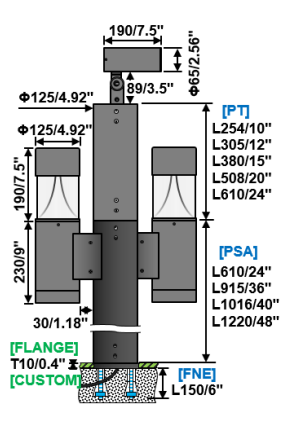
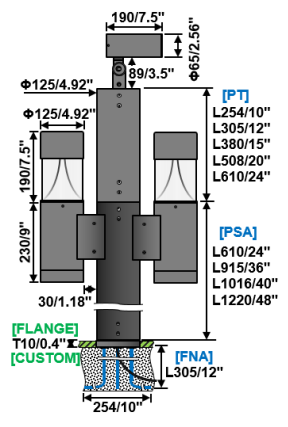

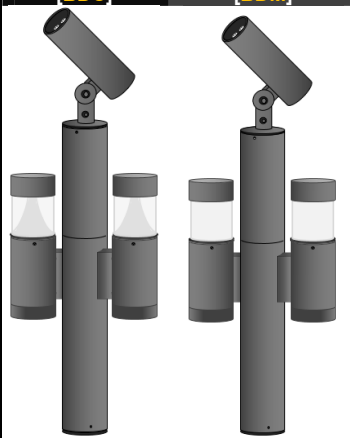
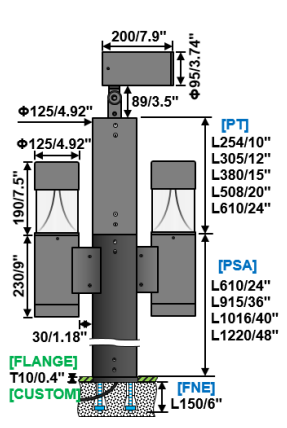
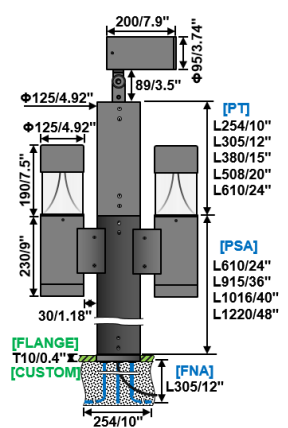

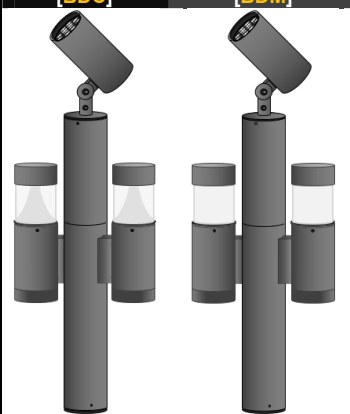
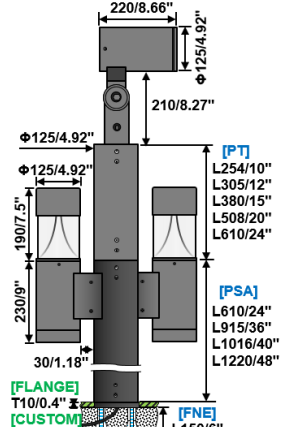
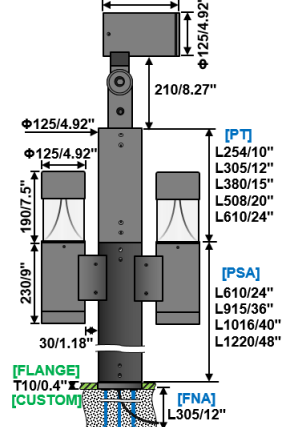

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| [FWA]: Wall Surface Mounted Light | | DIMENSION:[UNIT: MM] | |
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits. NOTES: Customs Cage Masks Referred to Another Specifications. | | | |
| Cylinder Light: (MCD125BC1A)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

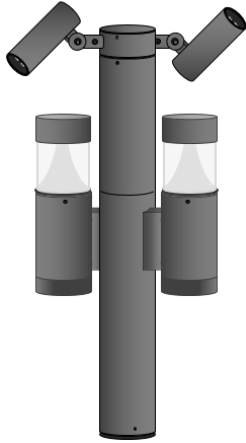
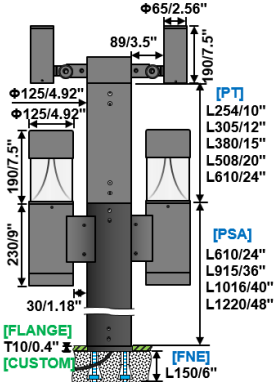
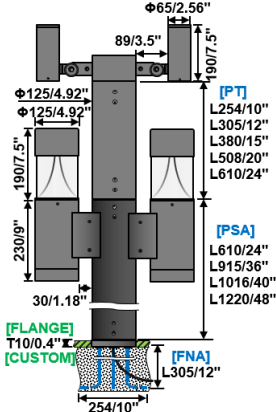
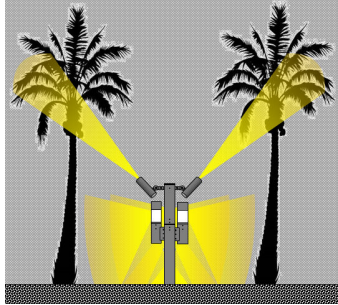
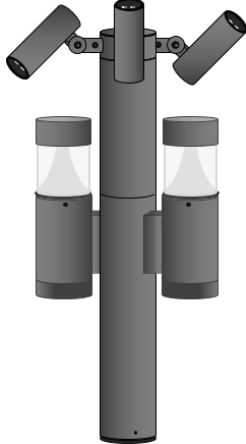
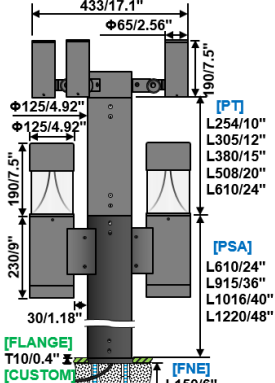
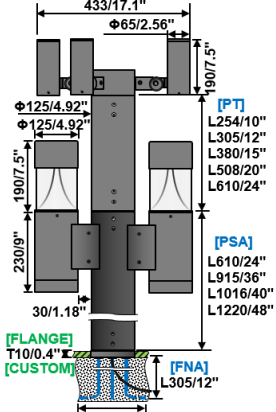
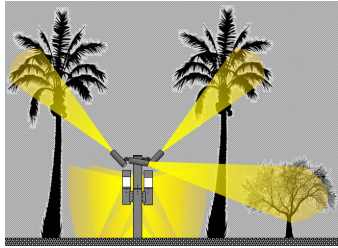
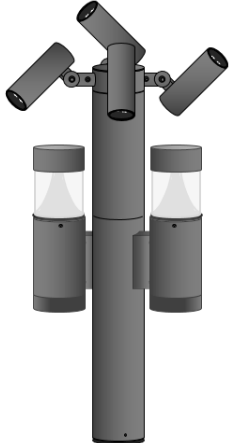
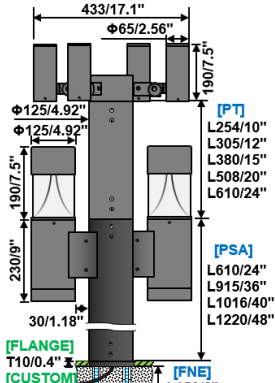
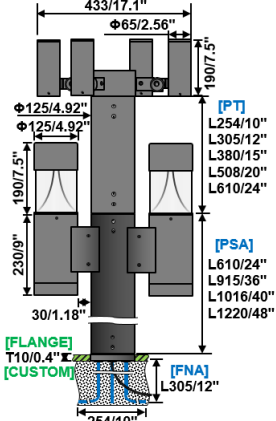
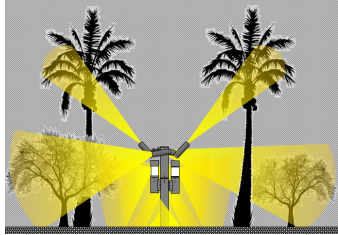
| | | | |
|-------------------------------------------|------------|------------------------------|--|
| Cylinder Light: (MCD125BC1A)-[BD*] | | Dimension: [Unit: MM] | |
| Downlight: (MCD125BD2B) | | [FWA]-[FNE-L100] | |
| Spotlight: GTG2103A-(MCA65A2B) | | [FWA]-[FNA-L100] | |
| (BDC-L205) | (BDM-L305) | (BDM-L455) | |
| | | | |
| | | | |



| (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) Downlight: (MCD125BD2B) Spotlight: (MCA65A2B) [BDC] [BDM] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| Cylinder Light: (MCD125BC1A) Downlight: (MCD125BD2B) Spotlight: (MCA95A2B) [BDC] [BDM] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| Cylinder Light: (MCD125BC1A) Downlight: (MCD125BD2B) Spotlight: (MCA125A2B) [BDC] [BDM] | [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. | | |
| NOTES: | Total Height of Poles need be shorter than 1600mm/63" | | |
| Cylinder Light: (MCD125BC1A) Downlight: (MCD125BD2B) Spotlight: (MCA95A2B)-MQ2A180D [BDC] | [PSA]-[FNE-L150]  | [PSA]-[FNA-L305]  | CASE STUDY  |
| Cylinder Light: (MCD125BC1A) Downlight: (MCD125BD2B) Spotlight: (MCA95A2B)-MQ3A120D [BDC] | [PSA]-[FNE-L150]  | [PSA]-[FNA-L305]  | CASE STUDY  |

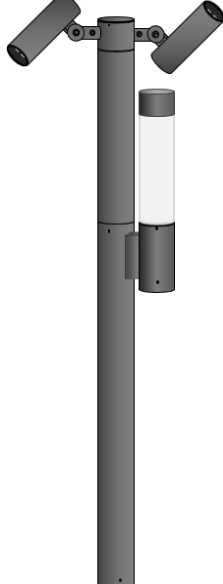
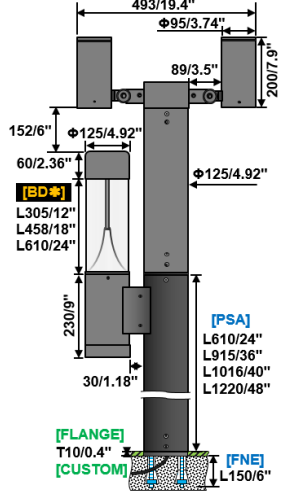
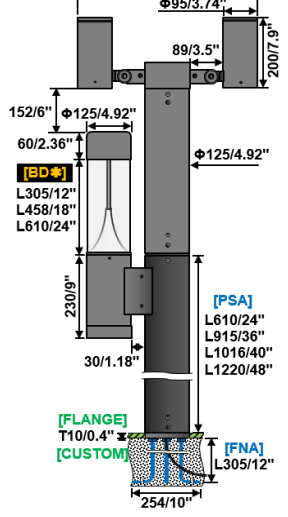
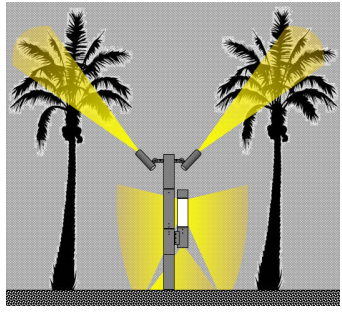
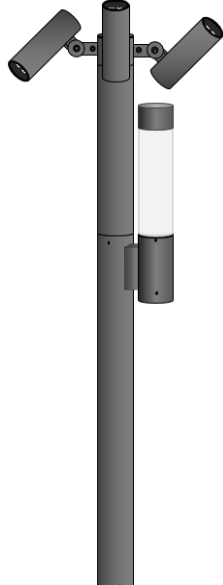
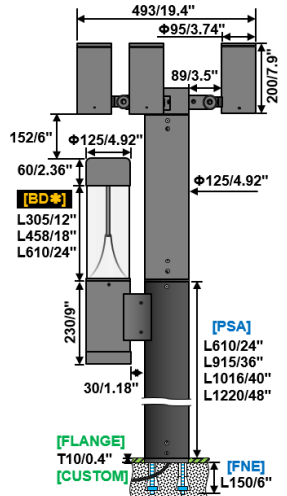
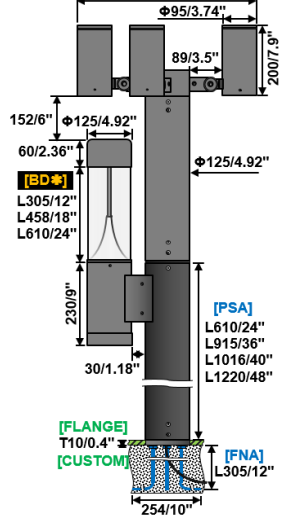
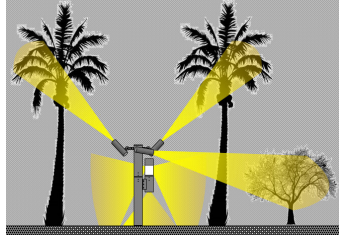
| (MCD125B): [PSA] Bollard Light | | DIMENSION:[UNIT: MM] | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------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

| (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 Downlight: (MCD125BD2B) Spotlight: (MCA65A2B)-MQ2A180D [BDC] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
|  |  |  |  |
| Cylinder Light: (MCD125BC1A)-MQ2A180D Downlight: (MCD125BD2B) Spotlight: (MCA65A2B)-MQ3A120D [BDC] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
|  |  |  |  |
| Cylinder Light: (MCD125BC1A)-MQ2A180D Downlight: (MCD125BD2B) Spotlight: (MCA65A2B)-MQ4A90D [BDC] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
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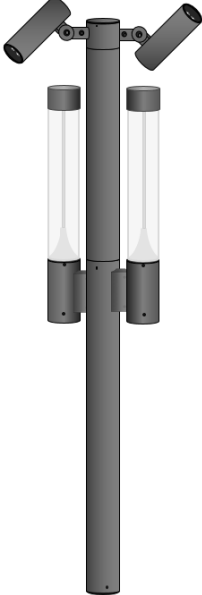
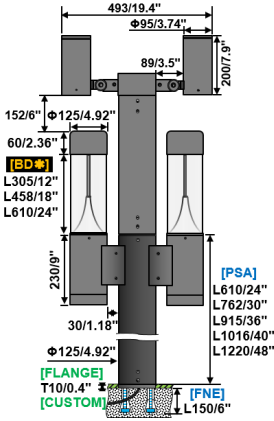
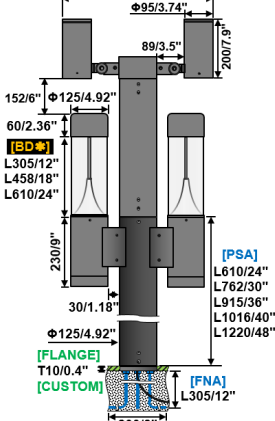
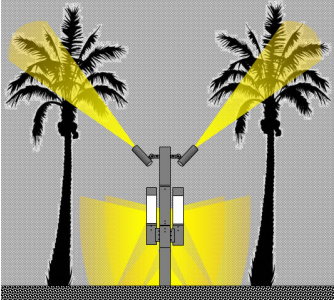
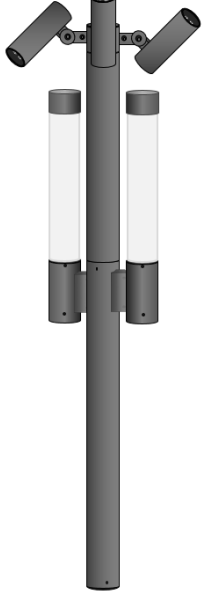
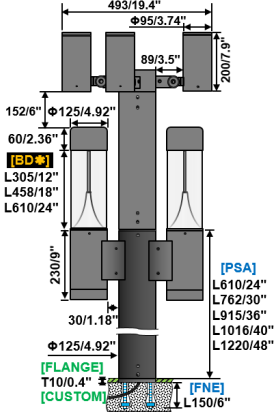
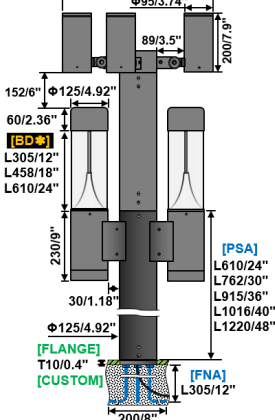
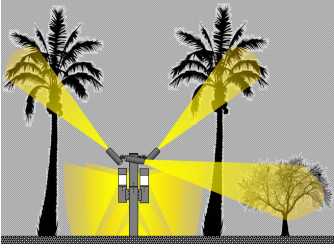
| (MCD125B): [PSA] Bollard Light | | DIMENSION:[UNIT: MM] | |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|-----------------------|
| 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 Downlight: (MCD125BD2B) Spotlight: (MCA95A2B)-MQ2A180D [BDC] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| Cylinder Light: (MCD125BC1A)-MQ2A180D Downlight: (MCD125BD2B) Spotlight: (MCA95A2B)-MQ3A120D [BDC] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |

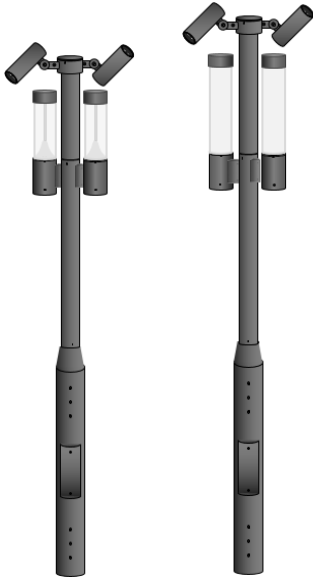
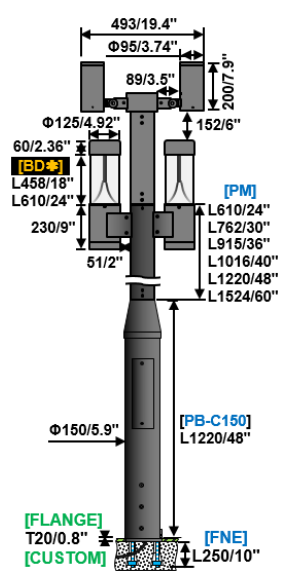
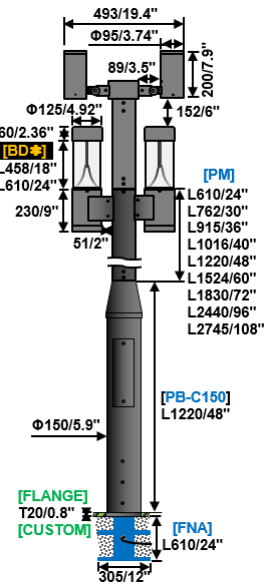
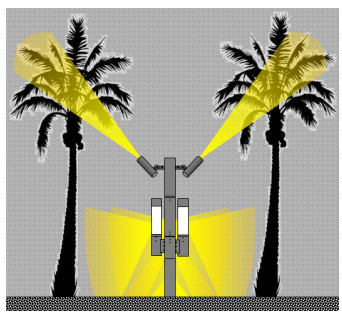
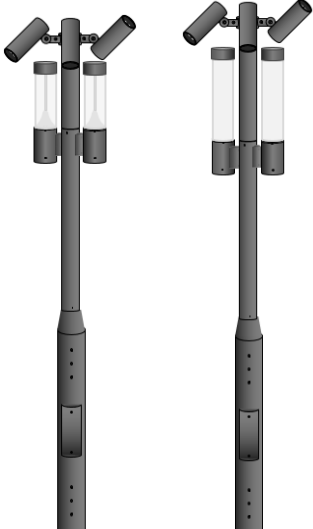
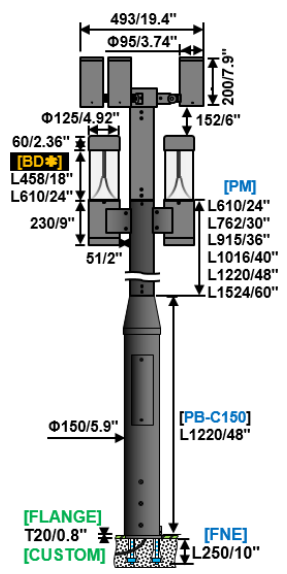
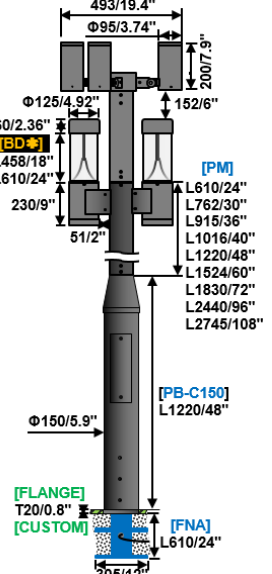
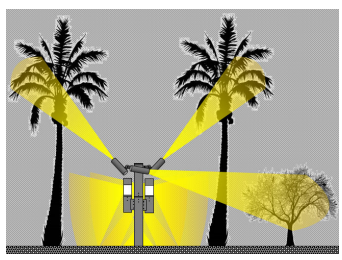
| (MCD125B)-[BD*]: [PSA] Bollard Light NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits. NOTES: Total Height of Poles need be shorter than 1600mm/63" | | DIMENSION:[UNIT: MM] | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------|------------|
| Cylinder Light: (MCD125BC1A) Downlight: (MCD125BD2B) Spotlight: (MCA65A2B) [BDC-L305] [BDM-L458] [BDC-L610] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| | | | |
| Cylinder Light: (MCD125BC1A) Downlight: (MCD125BD2B) Spotlight: (MCA95A2B) [BDC-L305] [BDM-L458] [BDC-L610] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| | | | |
| Cylinder Light: (MCD125BC1A) Downlight: (MCD125BD2B) Spotlight: (MCA125A2B) [BDC-L305] [BDM-L458] [BDC-L610] | [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) Downlight: (MCD125BD2B) Spotlight: (MCA65A2B)-MQ2A180D [BDC] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| Cylinder Light: (MCD125BC1A) Downlight: (MCD125BD2B) Spotlight: (MCA65A2B)-MQ3A120D [BDC] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| Cylinder Light: (MCD125BC1A) Downlight: (MCD125BD2B) Spotlight: (MCA65A2B)-MQ4A90D [BDC] | [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: | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| Downlight: | | | |
| Spotlight: | | | |
| [BDC] | | | |
|  |  |  |  |
| [BDC] | | | |
|  |  |  |  |

| (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 Downlight: (MCD125BD2B) Spotlight: (MCA65A2B)-MQ2A180D [BDC] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D Downlight: (MCD125BD2B) Spotlight: (MCA65A2B)-MQ3A120D [BDM] | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] | CASE STUDY |
| Cylinder Light: (MCD125BC1A)-[BD*]-MQ2A180D Downlight: (MCD125BD2B) Spotlight: (MCA65A2B)-MQ4A90D [BDM] | [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] |
| Downlight: | (MCD125BD2B) | | |
| Spotlight: | (MCA65A2B)-MQ2A180D | | |
| | [BDC] | | CASE STUDY |
|  |  |  |  |
|  |  |  |  |
| Cylinder Light: | (MCD125BC1A)-[BD*]-MQ2A180D | [PSA]-[FNE-L150] | [PSA]-[FNA-L305] |
| Downlight: | (MCD125BD2B) | | |
| Spotlight: | (MCA65A2B)-MQ3A120D | | |
| | [BDC] | | CASE STUDY |

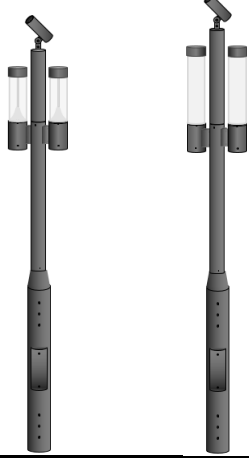
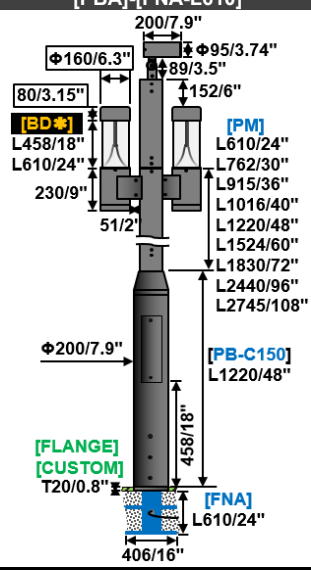
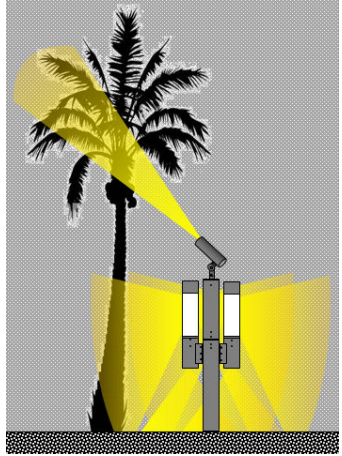

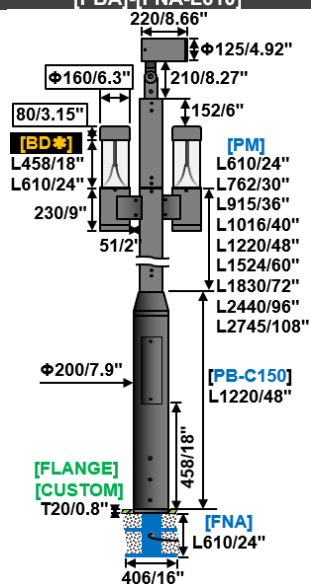
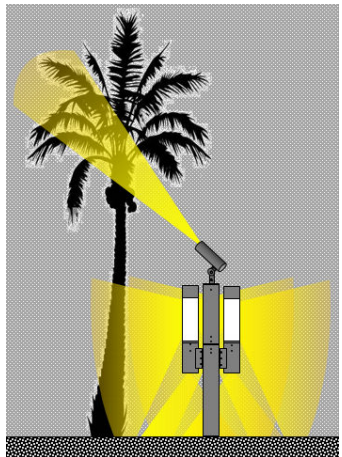

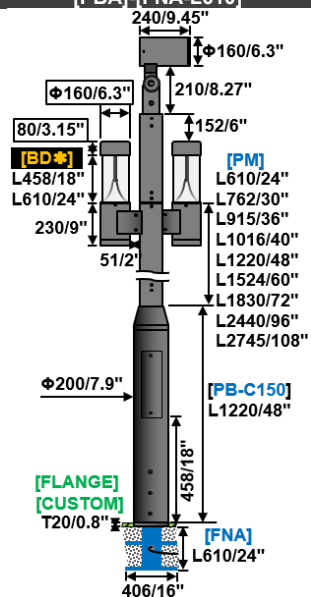
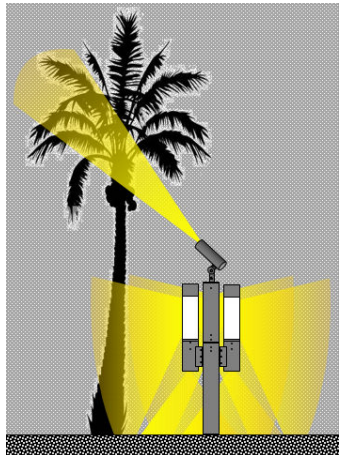
| (MCD125B)-[BD*]: [PSA] Bollard Light | | DIMENSION:[UNIT: MM] | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------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

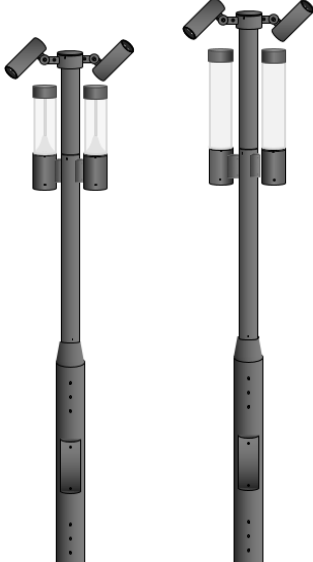
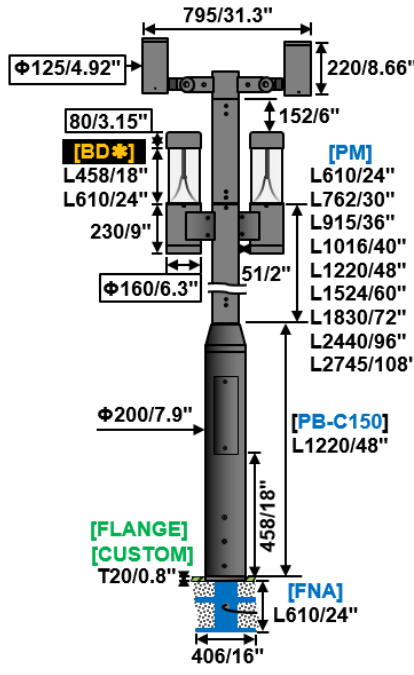
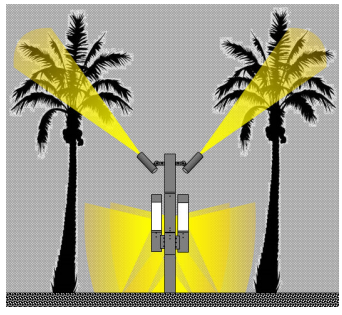
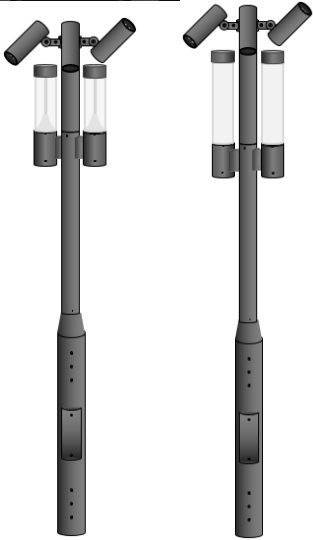
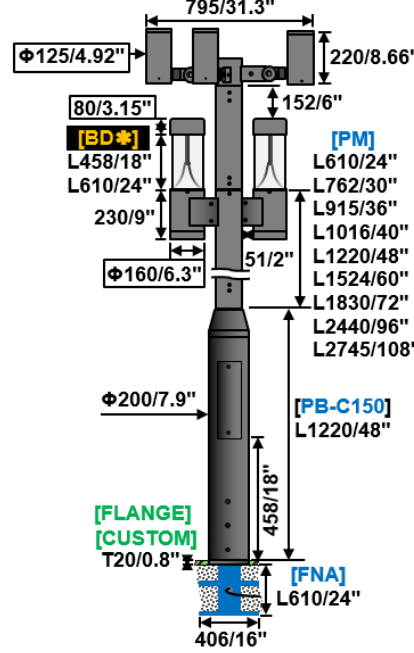
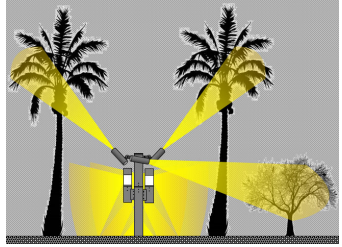
SPECIFICATION

GTG5001E-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) Downlight: (MCD160BD2B) Spotlight: (MCA95A2B) | | Dimension: [Unit: MM] | |
| [BDC] | [BDM] | [FWA]-[FNE-L100] | [FWA]-[FNA-L100] |
| | | | |
| Cylinder Light: (MCD160BC1A) Downlight: (MCD160BD2B) Spotlight: (MCA125A2B) | | Dimension: [Unit: MM] | |
| (BDC) | (BDM) | [FWA]-[FNE-L100] | [FWA]-[FNA-L100] |
| | | | |
| Cylinder Light: (MCD160BC1A)-[BD*] Downlight: (MCD160BD2B) Spotlight: GTG2103A-(MCA95A2B) | | Dimension: [Unit: MM] | |
| (BDC-L305) | (BDM-L458) | (BDM-L510) | [FWA]-[FNA-L100] |
| | | | |

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

| (MCD160B)-[BD*]: [PSA] Tall Bollard Light | | DIMENSION:[UNIT: MM] | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--|
| NOTES: Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits. | | | |
| <p>Cylinder: (MCD160BC1A)- Light: [BD*]-MQ2A180D</p> <p>Downlight: (MCD160BD2B)</p> <p>Spotlight: (MCA95A2B)</p> <p>[BDC-L458] [BDM-L610]</p>  | <p>[PBA]-[FNA-L610]</p>  | <p>CASE STUDY</p>  | |
| <p>Cylinder: (MCD160BC1A)- Light: [BD*]-MQ2A180D</p> <p>Downlight: (MCD160BD2B)</p> <p>Spotlight: (MCA125A2B)</p> <p>[BDC-L458] [BDM-L610]</p>  | <p>[PBA]-[FNA-L610]</p>  | <p>CASE STUDY</p>  | |
| <p>Cylinder: (MCD160BC1A)- Light: [BD*]-MQ2A180D</p> <p>Downlight: (MCD160BD2B)</p> <p>Spotlight: (MCA160A2B)</p> <p>[BDC-L458] [BDM-L610]</p>  | <p>[PBA]-[FNA-L610]</p>  | <p>CASE STUDY</p>  | |

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