LUMINAIRE DESIGN
- The luminaire shall be a decoratively styled fixture provided with a classically Victorian styled globe (white polycarbonate or acrylic) and a decorative, cast aluminum fitter.
- The luminaire shall have an LED Illuminating Tube (LIT) light source.
- The LIT module shall be an IP65 water-tight, dust-tight assembly for years of maintenance free operation.
- The luminaire shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines.
- The luminaire shall be U.L. or E.T.L. listed in the U.S. and Canada.

POST FITTER
- The fitter shall be heavy wall cast aluminum for high tensile strength.
- When ordered with a Sternberg pole, the fitter shall be welded to the pole top or tenon to ensure safety and to ensure the luminaire will remain plumb and level over the luminaire life.
- The fitter shall have an inside diameter opening to accept a 3" diameter pole or tenon.

DRIVER
- On singles fixtures, the LED driver shall be securely mounted inside the fitter, for optimized performance and longevity.
- On multiple fixtures, the LED driver shall be remote mounted. The driver can be in the arm, pole or base mounted depending on the selected options.
- The LED driver shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation.

LIGHT SOURCES / LIT MODULE
- The luminaire shall use high output, high brightness LEDs.
- The LEDs shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface.
- The LEDs shall be attached to the printed circuit board with not less than 90% pure silver to insure optimal electrical and thermal conductivity.
- The LEDs and printed circuit boards shall be protected from moisture and corrosion by a conformal coating of 1 to 3 mils.
- The LEDs and printed circuit board construction shall be environmentally friendly and 100% recyclable. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant.
- The LED life rating data shall be determined in accordance with IESNA LM-80.
PERFORMANCE
- The LED arrays are built in series-parallel circuits which maintain overall light output in the event of single LED failures.
- The LEDs and LED driver shall operate over a -40°C (-40°F) to +50°C (122°F) ambient air temperature range.
- The High Performance white LEDs will have a life expectancy of approximately 70,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C.
- The High Brightness, High Output LED's shall be 4500K (3500K or 6000K option) color temperature with a typical of 75 CRI.
- The luminaire shall have a minimum _____ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

<table>
<thead>
<tr>
<th>Light Source</th>
<th>Initial Delivered Lumens</th>
<th>Fixture Watts</th>
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<tbody>
<tr>
<td>4S62TLFA-MDL03</td>
<td>2030</td>
<td>29</td>
</tr>
<tr>
<td>4S45TLFA-MDL03</td>
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<td>29</td>
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<tr>
<td>3S35TLFA-MDL03</td>
<td>1440</td>
<td>22</td>
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</table>

ELECTRONIC DRIVERS
- The driver shall be U.L. Recognized.
- The driver shall have overload as well as short circuit protection.
- The driver shall be a DC voltage output, constant current design, 50/60HZ.
- The driver shall have a minimum efficiency of 88%.

GLOBES
- The white globe shall be _____ " (16"-24") in diameter for all uplights.
- The white globe shall be made of vandal resistant white polycarbonate (WP) or dent resistant (DR) white acrylic (WA).

ARMS
- The arms shall be cast aluminum and/or extruded aluminum.
- Arms with decorative filigree shall have meticulously detailed scroll work and gracefully curved brackets.
- The arms shall be pre-wired for ease of installation.
- The arms shall be bolted to a post mount adaptor which is welded to the pole to ensure proper alignment to the base.
- (Twin TA and Twin 579 arms) The arms shall be attached to a decorative center hub which will fit the center tenon of the pole (not shown).
PHOTOCELL OPTIONS

Electronic Button Cell Type
- Photocells shall be electronic button type.
- On single fixtures, the photocell shall be mounted in the fitter and pre-wired to the driver.
- On multiple head fixtures, the photocell shall be mounted in the pole, on an access plate.
  The photocell is not pre-wired since drivers are mounted in the poles or base and packaged separately.
- The photocell is instant-on at 1.5 foot-candles and turns off 5-10 seconds at 2-3 foot-candles.
- The photocell is 120-277 volt.

FINISH
- Prior to coating, each assembly shall bechemically cleaned and etched in a 5-stage washing
  system which includes alkaline cleaning, rinsing, phosphoric etching, reverse osmosis water
  rinsing, and non-chrome sealing to ensure corrosion resistance and excellent adhesion for
  the finish coating.
- The finish coating shall be electrostatically applied semi-gloss, super durable polyester
  powder baked at 400 degrees for a durable and superior, color retentive finish.
  *The optional ___________ (Verde Green or Swedish Iron) finish shall be hand-brushed
    using a 3-step process.

WARRANTY
- The luminaire shall be free from all defects in materials and workmanship for a period of
  seven (7) years from the date of manufacture.
- The luminaire manufacturer shall warrant the LED boards/system, during the stated war-
  ranty period, against failure defined as more than 10% simultaneous non-operating LEDs.
- The driver shall be warranted for seven (7) years.
G16 / G24 DF LED GLOBE SERIES Upward

GLOBES / OPTIONAL TOPS / OPTICAL SYSTEMS

GLOBES / PM

HANGING BRACKETS

FITTERS

11" W

10 1/8" W

10 1/8" W

10 1/8" W

10 1/8" W

10 1/8" W

5P (508)
Fits 3" poles or tenons and arms below

BD4 (508BD4)
Fits 3" poles or tenons

BD5 (508BD5)
Fits 5" poles or tenons

B7 (508B7)
Fits 7" poles or tenons

BD7 (508BD7)
Fits 7" poles or tenons

4 (408) Fits 4" poles or tenons

ARMS - POST MOUNT (PM) or WALL BRACKETS (WB)

See Arms Section for more information

NOTE: Must be supplied with Ballast Box

11" W

10 1/8" W

10 1/8" W

10 1/8" W

10 1/8" W

10 1/8" W

5P (508)
Fits 3" poles or tenons and arms below

BD4 (508BD4)
Fits 4" poles or tenons

BD5 (508BD5)
Fits 5" poles or tenons

B7 (508B7)
Fits 7" poles or tenons

BD7 (508BD7)
Fits 7" poles or tenons

4 (408) Fits 4" poles or tenons

80 (80D Downswep Arm)

50

478TS

TASCR

579

55

55L

5-193A
## LED Globes Specifications

### PART NUMBER SELECTIONS

<table>
<thead>
<tr>
<th>Globes</th>
<th>Post Arms</th>
<th>Wall Bracket Arms</th>
<th>Light Sources</th>
<th>Standard Finishes*</th>
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<tr>
<td>G24WaledUDF</td>
<td>50PM</td>
<td>50WB</td>
<td>4S62TLFA</td>
<td>BKT Black Textured</td>
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<td>G24WpLEDUDF</td>
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*Smooth finishes are available upon request.*