



**Hadco's Teardrop LED pendant** seamlessly replaces HID technology while maintaining that traditional "teardrop" look. The Teardrop uses latest LED technology which maximizes energy savings and lowered maintenance cost to reduce your total cost of ownership. By combining modern LED technology and traditional design, the Teardrop LED luminaires are perfectly suited for several applications including residential streets, city streets, campuses, parking lots and retail centers.

Project: \_\_\_\_\_

Location: \_\_\_\_\_

Cat.No: \_\_\_\_\_

Type: \_\_\_\_\_

Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_

Notes: \_\_\_\_\_

### Ordering guide

**Example:** TXF9-48-G3-N-A-GF-2-740-A-5-DA-SP1

| Series                                                                                                                                                                   | LEDs                         | Gen.                  | Mountings                                                       | Finishes | Lenses                   | Optics              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|-----------------------------------------------------------------|----------|--------------------------|---------------------|
| <b>TXF9</b>                                                                                                                                                              |                              | <b>G3</b>             |                                                                 |          |                          |                     |
| TXF9                                                                                                                                                                     | 32 <sup>3</sup> 32           | G3 Gen3               | N Cast Neck                                                     | A Black  | GF Flat Glass            | 2 Type II           |
| Teardrop                                                                                                                                                                 | 48 48                        |                       | P Threaded Pipe                                                 | B White  | KL Acrylic               | 2H Type 2HSS        |
| LED pendant                                                                                                                                                              | 64 64                        |                       |                                                                 | G Verde  | Long Globe               | 3 Type III          |
|                                                                                                                                                                          | 80 <sup>1</sup> 80           |                       |                                                                 | H Bronze | KS Acrylic Short         | 3H Type 3 HSS       |
|                                                                                                                                                                          |                              |                       |                                                                 | J Green  | Globe                    | 3W Type 3 Wide      |
| Receptacle 7 pin is available for this luminaire but must be selected with the arm bracket. It is not part of the luminaire code. See bracket ordering guide for coding. |                              |                       |                                                                 |          |                          | 3WH Type 3 wide HSS |
|                                                                                                                                                                          |                              |                       |                                                                 |          |                          | 4 Type IV           |
|                                                                                                                                                                          |                              |                       |                                                                 |          |                          | 5 Type V            |
| Color Temperature                                                                                                                                                        | Voltages                     | Currents              | Driver options                                                  |          | Surge protection         |                     |
| 730 <sup>4</sup> 3000K                                                                                                                                                   | A 120-277 VAC                | 3 350mA               | DA 4 hrs 25% reduction                                          |          | SP1 10kV/10kA (standard) |                     |
| 740 4000K                                                                                                                                                                | B <sup>2,3</sup> 347-480 VAC | 5 530 mA              | DB 4 hrs 50% reduction                                          |          | SP2 20kV/20kA (optional) |                     |
|                                                                                                                                                                          |                              | 7 700mA               | DC 4 hrs 75% reduction                                          |          |                          |                     |
|                                                                                                                                                                          |                              | 1 <sup>1</sup> 1050mA | DD 6 hrs 25% reduction                                          |          |                          |                     |
|                                                                                                                                                                          |                              |                       | DE 6 hrs 50% reduction                                          |          |                          |                     |
|                                                                                                                                                                          |                              |                       | DF 6 hrs 75% reduction                                          |          |                          |                     |
|                                                                                                                                                                          |                              |                       | DG 8 hrs 25% reduction                                          |          |                          |                     |
|                                                                                                                                                                          |                              |                       | DH 8 hrs 50% reduction                                          |          |                          |                     |
|                                                                                                                                                                          |                              |                       | DJ 8 hrs 75% reduction                                          |          |                          |                     |
|                                                                                                                                                                          |                              |                       | DALI Compatible with DALI                                       |          |                          |                     |
|                                                                                                                                                                          |                              |                       | S FAWS Field adj watt selector                                  |          |                          |                     |
|                                                                                                                                                                          |                              |                       | SRD <sup>1</sup> Sensor ready driver (standard configuration)   |          |                          |                     |
|                                                                                                                                                                          |                              |                       | SRD1 <sup>1</sup> Sensor ready driver (alternate configuration) |          |                          |                     |
|                                                                                                                                                                          |                              |                       | N No dimming                                                    |          |                          |                     |

- Configurations with 80 (80) LED array board are not compatible with the 700mA (7) drive current (consult factory for this option as a custom solution).
- Configurations with 347-480VAC (B) voltage are not compatible with optional dimming or optional programming.
- Configurations with 32 (32) LEDs at 350mA (3) and 530mA (5) currents are not compatible with 347-480 VAC (B) voltage.
- Only 3000K CCT and warmer/below with GF Flat Glass are IDA International DarkSky Approved.

# TXF9 Teardrop

## Pendant

### LED Wattage and Lumen Values for 3000K & 4000K fixtures with Flat Glass Lens

| Ordering Code                | LED qty | System Current (mA) | Avg. System Watts(W) | Type 2       |            |                | Type 3       |            |                | Type 3W      |            |                | Type 4       |            |                | Type 5       |            |                |
|------------------------------|---------|---------------------|----------------------|--------------|------------|----------------|--------------|------------|----------------|--------------|------------|----------------|--------------|------------|----------------|--------------|------------|----------------|
|                              |         |                     |                      | Lumen Output | BUG Rating | Efficacy (LPW) | Lumen Output | BUG Rating | Efficacy (LPW) | Lumen Output | BUG Rating | Efficacy (LPW) | Lumen Output | BUG Rating | Efficacy (LPW) | Lumen Output | BUG Rating | Efficacy (LPW) |
| Flat Glass Lens (GF) @ 3000K |         |                     |                      |              |            |                |              |            |                |              |            |                |              |            |                |              |            |                |
| TXF932-G3-GF-x-730-3         | 32      | 350                 | 36                   | 4604         | B1-U0-G1   | 129            | 4467         | B1-U0-G1   | 125            | 4487         | B1-U0-G1   | 126            | 4533         | B1-U0-G1   | 127            | 4474         | B3-U0-G1   | 126            |
| TXF932-G3-GF-x-730-5         | 32      | 530                 | 53                   | 6687         | B2-U0-G1   | 125            | 6488         | B1-U0-G1   | 122            | 6517         | B1-U0-G2   | 122            | 6583         | B1-U0-G2   | 124            | 6499         | B3-U0-G1   | 122            |
| TXF932-G3-GF-x-730-7         | 32      | 700                 | 71                   | 8528         | B2-U0-G1   | 120            | 8275         | B2-U0-G2   | 117            | 8312         | B2-U0-G2   | 117            | 8397         | B2-U0-G2   | 118            | 8289         | B3-U0-G2   | 117            |
| TXF932-G3-GF-x-730-1         | 32      | 1050                | 107                  | 11620        | B3-U0-G2   | 108            | 11275        | B2-U0-G2   | 105            | 11326        | B2-U0-G2   | 106            | 11441        | B2-U0-G2   | 107            | 11294        | B4-U0-G2   | 105            |
| TXF948-G3-GF-x-730-3         | 48      | 350                 | 53                   | 7089         | B2-U0-G1   | 133            | 6878         | B1-U0-G1   | 129            | 6909         | B1-U0-G2   | 130            | 6979         | B1-U0-G2   | 131            | 6889         | B3-U0-G1   | 129            |
| TXF948-G3-GF-x-730-5         | 48      | 530                 | 79                   | 10035        | B2-U0-G2   | 127            | 9737         | B2-U0-G2   | 123            | 9781         | B2-U0-G2   | 124            | 9880         | B2-U0-G2   | 125            | 9753         | B3-U0-G2   | 123            |
| TXF948-G3-GF-x-730-7         | 48      | 700                 | 106                  | 12681        | B3-U0-G2   | 120            | 12304        | B2-U0-G2   | 117            | 12360        | B2-U0-G2   | 117            | 12485        | B2-U0-G2   | 118            | 12324        | B4-U0-G2   | 117            |
| TXF964-G3-GF-x-730-3         | 64      | 350                 | 70                   | 9317         | B2-U0-G2   | 134            | 9040         | B2-U0-G2   | 130            | 9081         | B2-U0-G2   | 130            | 9173         | B2-U0-G2   | 132            | 9055         | B3-U0-G2   | 130            |
| TXF964-G3-GF-x-730-5         | 64      | 530                 | 104                  | 13193        | B3-U0-G2   | 127            | 12801        | B2-U0-G2   | 123            | 12859        | B2-U0-G2   | 124            | 12989        | B2-U0-G2   | 125            | 12822        | B4-U0-G2   | 123            |
| TXF964-G3-GF-x-730-7         | 64      | 700                 | 140                  | 16704        | B3-U0-G2   | 120            | 16208        | B3-U0-G2   | 116            | 16281        | B2-U0-G3   | 117            | 16446        | B3-U0-G3   | 118            | 16235        | B4-U0-G2   | 116            |
| TXF980-G3-GF-x-730-3         | 80      | 350                 | 86                   | 11523        | B3-U0-G2   | 134            | 11181        | B2-U0-G2   | 130            | 11232        | B2-U0-G2   | 131            | 11345        | B2-U0-G2   | 132            | 11199        | B4-U0-G2   | 130            |
| TXF980-G3-GF-x-730-5         | 80      | 530                 | 130                  | 16516        | B3-U0-G2   | 127            | 16026        | B3-U0-G2   | 123            | 16098        | B2-U0-G3   | 123            | 16261        | B3-U0-G2   | 125            | 16052        | B4-U0-G2   | 123            |
| TXF980-G3-GF-x-730-7         | 80      | 700                 | 173                  | 20590        | B3-U0-G3   | 119            | 19979        | B3-U0-G2   | 115            | 20069        | B3-U0-G3   | 116            | 20272        | B3-U0-G3   | 117            | 20012        | B5-U0-G3   | 116            |
| Flat Glass Lens (GF) @ 4000K |         |                     |                      |              |            |                |              |            |                |              |            |                |              |            |                |              |            |                |
| TXF932-G3-GF-x-740-3         | 32      | 350                 | 36                   | 4926         | B1-U0-G1   | 138            | 4780         | B1-U0-G1   | 134            | 4802         | B1-U0-G1   | 135            | 4850         | B1-U0-G1   | 136            | 4787         | B3-U0-G1   | 134            |
| TXF932-G3-GF-x-740-5         | 32      | 530                 | 53                   | 7155         | B2-U0-G1   | 134            | 6942         | B1-U0-G1   | 130            | 6973         | B1-U0-G2   | 131            | 7044         | B1-U0-G2   | 132            | 6954         | B3-U0-G1   | 130            |
| TXF932-G3-GF-x-740-7         | 32      | 700                 | 71                   | 9125         | B2-U0-G1   | 129            | 8854         | B2-U0-G2   | 125            | 8894         | B2-U0-G2   | 125            | 8985         | B2-U0-G2   | 127            | 8869         | B3-U0-G2   | 125            |
| TXF932-G3-GF-x-740-1         | 32      | 1050                | 107                  | 12433        | B3-U0-G2   | 116            | 12064        | B2-U0-G2   | 112            | 12119        | B2-U0-G2   | 113            | 12242        | B2-U0-G2   | 114            | 12085        | B4-U0-G2   | 113            |
| TXF948-G3-GF-x-740-3         | 48      | 350                 | 53                   | 7585         | B2-U0-G1   | 142            | 7359         | B1-U0-G1   | 138            | 7392         | B1-U0-G2   | 139            | 7468         | B1-U0-G2   | 140            | 7371         | B3-U0-G1   | 138            |
| TXF948-G3-GF-x-740-5         | 48      | 530                 | 79                   | 10737        | B2-U0-G2   | 136            | 10419        | B2-U0-G2   | 132            | 10466        | B2-U0-G2   | 132            | 10572        | B2-U0-G2   | 134            | 10436        | B3-U0-G2   | 132            |
| TXF948-G3-GF-x-740-7         | 48      | 700                 | 106                  | 13569        | B3-U0-G2   | 128            | 13165        | B2-U0-G2   | 125            | 13224        | B2-U0-G2   | 125            | 13359        | B2-U0-G2   | 127            | 13187        | B4-U0-G2   | 125            |
| TXF964-G3-GF-x-740-3         | 64      | 350                 | 70                   | 9969         | B2-U0-G2   | 143            | 9673         | B2-U0-G2   | 139            | 9717         | B2-U0-G2   | 139            | 9815         | B2-U0-G2   | 141            | 9689         | B3-U0-G2   | 139            |
| TXF964-G3-GF-x-740-5         | 64      | 530                 | 104                  | 14117        | B3-U0-G2   | 136            | 13697        | B2-U0-G2   | 132            | 13759        | B2-U0-G2   | 132            | 13898        | B2-U0-G2   | 134            | 13720        | B4-U0-G2   | 132            |
| TXF964-G3-GF-x-740-7         | 64      | 700                 | 140                  | 17873        | B3-U0-G2   | 128            | 17343        | B3-U0-G2   | 124            | 17421        | B2-U0-G3   | 125            | 17597        | B3-U0-G3   | 126            | 17371        | B4-U0-G2   | 125            |
| TXF980-G3-GF-x-740-3         | 80      | 350                 | 86                   | 12330        | B3-U0-G2   | 144            | 11964        | B2-U0-G2   | 139            | 12018        | B2-U0-G2   | 140            | 12139        | B2-U0-G2   | 141            | 11983        | B4-U0-G2   | 139            |
| TXF980-G3-GF-x-740-5         | 80      | 530                 | 130                  | 17672        | B3-U0-G2   | 136            | 17148        | B3-U0-G2   | 132            | 17225        | B2-U0-G3   | 132            | 17399        | B3-U0-G2   | 133            | 17176        | B4-U0-G2   | 132            |
| TXF980-G3-GF-x-740-7         | 80      | 700                 | 173                  | 22031        | B3-U0-G3   | 127            | 21378        | B3-U0-G2   | 124            | 21475        | B3-U0-G3   | 124            | 21691        | B3-U0-G3   | 125            | 21413        | B5-U0-G3   | 124            |

### LED Wattage and Lumen Values for 3000K & 4000K fixtures with Long Globe Lens

| Ordering Code                | LED qty | System Current (mA) | Avg. System Watts(W) | Type 2       |            |                | Type 3       |            |                | Type 3W      |            |                | Type 4       |            |                | Type 5       |            |                |
|------------------------------|---------|---------------------|----------------------|--------------|------------|----------------|--------------|------------|----------------|--------------|------------|----------------|--------------|------------|----------------|--------------|------------|----------------|
|                              |         |                     |                      | Lumen Output | BUG Rating | Efficacy (LPW) | Lumen Output | BUG Rating | Efficacy (LPW) | Lumen Output | BUG Rating | Efficacy (LPW) | Lumen Output | BUG Rating | Efficacy (LPW) | Lumen Output | BUG Rating | Efficacy (LPW) |
| Long Globe Lens (KL) @ 3000K |         |                     |                      |              |            |                |              |            |                |              |            |                |              |            |                |              |            |                |
| TXF932-G3-KL-x-730-3         | 32      | 350                 | 36                   | 4938         | B1-U2-G1   | 139            | 4890         | B1-U2-G1   | 137            | 4624         | B1-U2-G1   | 130            | 4903         | B1-U2-G2   | 138            | 4813         | B3-U2-G1   | 135            |
| TXF932-G3-KL-x-730-5         | 32      | 530                 | 53                   | 7172         | B2-U3-G2   | 135            | 7103         | B2-U3-G2   | 133            | 6716         | B2-U3-G2   | 126            | 7121         | B2-U2-G2   | 134            | 6992         | B3-U2-G2   | 131            |
| TXF932-G3-KL-x-730-7         | 32      | 700                 | 71                   | 9146         | B2-U3-G2   | 129            | 9059         | B2-U3-G2   | 128            | 8565         | B2-U3-G2   | 121            | 9083         | B2-U3-G2   | 128            | 8917         | B4-U2-G2   | 126            |
| TXF932-G3-KL-x-730-1         | 32      | 1050                | 107                  | 12462        | B3-U3-G3   | 116            | 12344        | B2-U3-G2   | 115            | 11671        | B2-U3-G3   | 109            | 12376        | B2-U3-G2   | 115            | 12150        | B4-U3-G2   | 113            |
| TXF948-G3-KL-x-730-3         | 48      | 350                 | 53                   | 7603         | B2-U3-G2   | 143            | 7530         | B2-U3-G2   | 141            | 7119         | B2-U3-G2   | 134            | 7549         | B2-U3-G2   | 142            | 7411         | B3-U2-G2   | 139            |
| TXF948-G3-KL-x-730-5         | 48      | 530                 | 79                   | 10763        | B2-U3-G2   | 136            | 10660        | B2-U3-G2   | 135            | 10079        | B2-U3-G2   | 127            | 10688        | B2-U3-G2   | 135            | 10493        | B4-U3-G2   | 133            |
| TXF948-G3-KL-x-730-7         | 48      | 700                 | 106                  | 13600        | B3-U3-G3   | 129            | 13470        | B3-U3-G3   | 128            | 12737        | B3-U3-G3   | 121            | 13505        | B2-U3-G3   | 128            | 13258        | B4-U3-G2   | 126            |
| TXF964-G3-KL-x-730-3         | 64      | 350                 | 70                   | 9992         | B2-U3-G2   | 143            | 9897         | B2-U3-G2   | 142            | 9358         | B2-U3-G2   | 134            | 9923         | B2-U3-G2   | 142            | 9742         | B4-U3-G2   | 140            |
| TXF964-G3-KL-x-730-5         | 64      | 530                 | 104                  | 14149        | B3-U3-G3   | 136            | 14014        | B3-U3-G3   | 135            | 13251        | B3-U3-G3   | 128            | 14051        | B2-U3-G3   | 135            | 13794        | B4-U3-G2   | 133            |
| TXF964-G3-KL-x-730-7         | 64      | 700                 | 140                  | 17915        | B3-U3-G3   | 128            | 17744        | B3-U3-G3   | 127            | 16777        | B3-U3-G3   | 120            | 17790        | B3-U3-G3   | 128            | 17466        | B5-U3-G3   | 125            |
| TXF980-G3-KL-x-730-3         | 80      | 350                 | 86                   | 12358        | B3-U3-G3   | 144            | 12241        | B2-U3-G2   | 143            | 11574        | B2-U3-G3   | 135            | 12272        | B2-U3-G2   | 143            | 12048        | B4-U3-G2   | 140            |
| TXF980-G3-KL-x-730-5         | 80      | 530                 | 130                  | 17713        | B3-U3-G3   | 136            | 17545        | B3-U3-G3   | 135            | 16588        | B3-U3-G4   | 127            | 17590        | B3-U3-G3   | 135            | 17269        | B5-U3-G3   | 132            |
| TXF980-G3-KL-x-730-7         | 80      | 700                 | 173                  | 22083        | B3-U3-G3   | 128            | 21873        | B3-U3-G3   | 126            | 20680        | B3-U3-G3   | 119            | 21929        | B3-U3-G4   | 127            | 21529        | B5-U3-G3   | 124            |
| Long Globe Lens (KL) @ 3000K |         |                     |                      |              |            |                |              |            |                |              |            |                |              |            |                |              |            |                |
| TXF932-G3-KL-x-740-3         | 32      | 350                 | 36                   | 5283         | B1-U2-G1   | 148            | 5233         | B1-U2-G1   | 147            | 4948         | B1-U2-G1   | 139            | 5246         | B1-U2-G2   | 147            | 5150         | B3-U2-G1   | 145            |
| TXF932-G3-KL-x-740-5         | 32      | 530                 | 53                   | 7674         | B2-U3-G2   | 144            | 7600         | B2-U3-G2   | 143            | 7185         | B2-U3-G2   | 135            | 7620         | B2-U2-G2   | 143            | 7481         | B3-U2-G2   | 140            |
| TXF932-G3-KL-x-740-7         | 32      | 700                 | 71                   | 9787         | B2-U3-G2   | 138            | 9693         | B2-U3-G2   | 137            | 9165         | B2-U3-G2   | 129            | 9719         | B2-U3-G2   | 137            | 9541         | B4-U2-G2   | 135            |
| TXF932-G3-KL-x-740-1         | 32      | 1050                | 107                  | 13334        | B3-U3-G3   | 124            | 13208        | B2-U3-G2   | 123            | 12488        | B2-U3-G3   | 116            | 13243        | B2-U3-G2   | 123            | 13001        | B4-U3-G2   | 121            |
| TXF948-G3-KL-x-740-3         | 48      | 350                 | 53                   | 8135         | B2-U3-G2   | 153            | 8057         | B2-U3-G2   | 151            | 7617         | B2-U3-G2   | 143            | 8078         | B2-U3-G2   | 152            | 7930         | B3-U2-G2   | 149            |
| TXF948-G3-KL-x-740-5         | 48      | 530                 | 79                   | 11515        | B2-U3-G2   | 146            | 11407        | B2-U3-G2   | 144            | 10785        | B2-U3-G2   | 136            | 11436        | B2-U3-G2   | 145            | 11227        | B4-U3-G2   | 142            |
| TXF948-G3-KL-x-740-7         | 48      | 700                 | 106                  | 14553        | B3-U3-G3   | 138            | 14413        | B3-U3-G3   | 136            | 13627        | B3-U3-G3   | 129            | 14451        | B2-U3-G3   | 137            | 14187        | B4-U3-G2   | 134            |
| TXF964-G3-KL-x-740-3         | 64      | 350                 | 70                   | 10692        | B2-U3-G2   | 153            | 10590        | B2-U3-G2   | 152            | 10013        | B2-U3-G2   | 144            | 10617        | B2-U3-G2   | 152            | 10424        | B4-U3-G2   | 150            |
| TXF964-G3-KL-x-740-5         | 64      | 530                 | 104                  | 15140        | B3-U3-G3   | 146            | 14995        | B3-U3-G3   | 144            | 14178        | B3-U3-G3   | 136            | 15034        | B2-U3-G3   | 145            | 14760        | B4-U3-G2   | 142            |
| TXF964-G3-KL-x-740-7         | 64      | 700                 | 140                  | 19169        | B3-U3-G3   | 137            | 18987        | B3-U3-G3   | 136            | 17952        | B3-U3-G3   | 129            | 19035        | B3-U3-G3   | 136            | 18688        | B5-U3-G3   | 134            |
| TXF980-G3-KL-x-740-3         | 80      | 350                 | 86                   | 13224        | B3-U3-G3   | 154            | 13098        | B2-U3-G2   | 152            | 12384        | B2-U3-G3   | 144            | 13131        | B2-U3-G2   | 153            | 12892        | B4-U3-G2   | 150            |
| TXF980-G3-KL-x-740-5         | 80      | 530                 | 130                  | 18953        | B3-U3-G3   | 145            | 18774        | B3-U3-G3   | 144            | 17750        | B3-U3-G4   | 136            | 18821        | B3-U3-G3   | 144            | 18478        | B5-U3-G3   | 142            |
| TXF980-G3-KL-x-740-7         | 80      | 700                 | 173                  | 23628        | B3-U3-G3   | 136            | 23404        | B3-U3-G3   | 135            | 22129        | B3-U3-G3   | 128            | 23464        | B3-U3-G4   | 136            | 23037        | B5-U3-G3   | 133            |

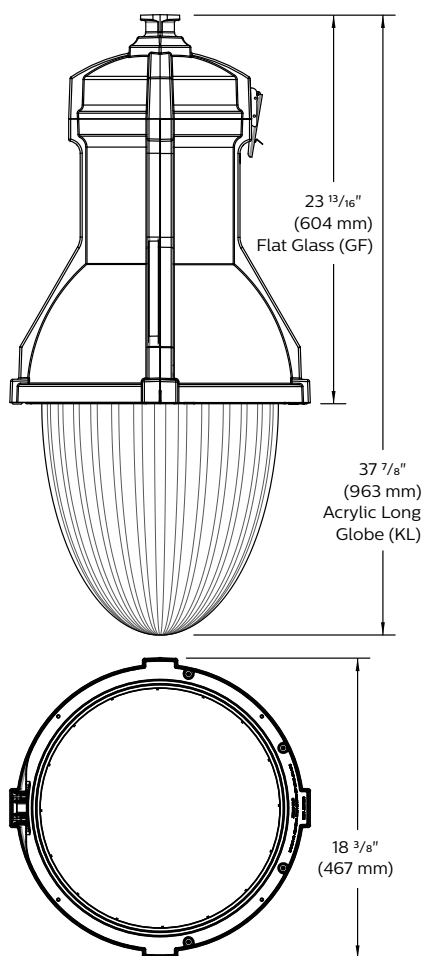
Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

**Note:** Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

# TXF9 Teardrop

## Pendant

### Dimensions



### Flat glass

**Height:** 23 13/16" (60cm)  
**Width:** 18 3/8" (47cm)  
**Max. EPA:** 2.00 sq. ft.  
**Max. Weight:** 25 lbs

### Acrylic long globe

**Height:** 37 7/8" (96cm)  
**Width:** 18 3/8" (46cm)  
**Max. EPA:** 2.60 sq. ft.  
**Max. Weight:** 32 lbs

### Housing

The housing is constructed of low copper die-cast aluminum. All non-ferrous fasteners prevent corrosion and ensure longer life. The Cast neck or Pipe Threading mounting options and Flat Glass or Long Acrylic Lens options provide versatility in your designs.

### Mounting

Threaded Pipe option (P) 1-1/2-11.5 NPT pipe nipple for mounting to arm.

Cast Neck option (N) for use with clamp collar - if new installation or as needed = choose one of the Bracket Arm Adapters or one of the Hanging Fixtures Mounting Arms:

### Bracket Arm Adapters

- **TFHAM3** horizontal arm clamp collar adapter
- **TFHAM4** horizontal arm clamp collar adapter
- **TFTC1** vertical threaded arm clamp collar adapter (for internally threaded 3/4-14 NPS mating arm, threaded pipe included)

### Hanging Fixtures - Hub, Post, or Wall Mounting Arms

### Light Engine

LEDgine is composed of five main components: Heat Sink, Lens, LED lamp, Optical System, and Driver. Electrical components are RoHS compliant.

### LED Module

LED type Lumileds LUXEON T. Composed of high-performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 4000 Kelvin nominal (3985K +/- 275K or 3710K to 4260K) or Warm White, 3000 Kelvin nominal (3045K +/- 175K or 2870K to 3220K), CRI 70 Min. 75 Typical.

### Heat Sink

Made of cast aluminum optimizing the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device).

### Optical System

Type II, Type III, Type IV and Type V are composed of high performance optical grade PMMA acrylic refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. Optical system is rated IP66. Performance shall be tested per LM 63, LM 79 and TM 15 (IESNA) certifying its photometric performance. Street side indicated.

### Driver

Driver comes standard with dimming compatible 0-10V. High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 VAC rated for both application line to line or line to neutral, Class I, THD of 20% max. Maximum ambient operating temperature from 40°F (4°C) to 130°F (55°C). Certified in compliance to UL1310 cULus requirement (dry and damp location). Assembled on a unitized removable tray with Tyco quick disconnect plug resisting to 221°F (105°C). The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection

to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built in driver surge protection of 2.5kV (min). Due to the inrush current that occurs with electronic drivers, recommend using a time-delay or slow blow fuse to avoid unwanted fuse blowing (false tripping) that can occur with normal or fast acting fuses.

### Driver Options

**SRD:** Sensor Ready Driver including SR communication (used for dimming and other functionalities), 24V auxiliary supply and a logical signal input (LSI) connected to the top NEMA twist lock receptacle.

**SRD1:** Sensor Ready Driver including SR communication (used for dimming and other functionalities) but with 24V auxiliary supply and a logical signal input (LSI) not connected to the top NEMA twist lock.

**DA:** 4 Hrs 25% Reduction

**DB:** 4 Hrs 50% Reduction

**DC:** 4 Hrs 75% Reduction

**DD:** 6 Hrs 25% Reduction

**DE:** 6 Hrs 50% Reduction

**DF:** 6 Hrs 75% Reduction

**DG:** 8 Hrs 25% Reduction

**DH:** 8 Hrs 50% Reduction

**DJ:** 8 Hrs 75% Reduction

**DALI:** Pre-set driver compatible with the DALI logarithmic control system.

### Surge Protection

Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA. Optional SP2: 20kV / 10kA surge protection device that provides extra protection beyond the SP1 10kV/10kA level.

### Finish

Color in accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with ± 1 mils / 24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

# TXF9 Teardrop

## Pendant

### Luminaire Useful Life

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750, using LM-80 data from LED manufacturers and engineering prediction methods, the luminaire useful life is expected to reach 100,000+ hours with >L70 lumen maintenance @ 25°C. (48 LED and 64 LED@700mA is 82,000) Luminaire useful life accounts for LED lumen maintenance and all of these additional factors including: LED color shift, LED life, driver life, PCB substrate, solder joints, on/off cycles, burning hours and corrosion. Lifetime statements do not include the use of controls, including networked controllers.

### LED products manufacturing standard

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340 5 1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product

### Quality Control

The manufacturer must provide a written confirmation of its ISO 9001 2008 and ISO 14001 2004 International Quality Standards Certification.

### Vibration Resistance

Threaded Pipe option – Meets the ANSI C136.31 2001, American National Standard for Roadway Luminaire Vibration specifications for normal Applications.

### Predicted Lumen Performance Data

| Predicted lumen depreciation data |              |                      |               |                                    |
|-----------------------------------|--------------|----------------------|---------------|------------------------------------|
| Ambient Temperature (°C)          | Driver mA    | Calculated L70 hours | L70 per TM-21 | Lumen Maintenance % @ 60,000 hours |
| 25°C                              | up to 700 mA | >100,000 hrs         | >60,000 hrs   | 87%                                |

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L70 hours limited to 6 times actual LED test hours.

### Certifications and Compliance

cETLus Listed for Canada and U.S. to the UL 1598 and UL8750 standards, suitable for Wet Locations. The quality systems of the facility where manufactured have been registered by UL to the ISO 9001 series standards. LM80 & LM79 tested. CCTs 3000K and warmer with GF Flat Glass are Dark Sky Approved.

### IP Ratings

The LED optics chamber is IP66 rated.

### Warranty

5-year limited warranty. Options available for extended warranties – contact factory. See [signify.com/warranties](http://signify.com/warranties) for details and restrictions.

### Buy American Act of 1933 (BAA)

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA.

This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit [www.signify.com/baa](http://www.signify.com/baa) to view a current list of BAA-compliant products to confirm this product's current compliance.