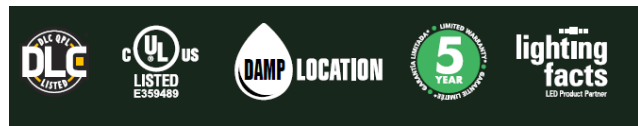


### Features

- Suitable for WET location/Outdoor
- Consumes 45W to replace 100W MH light and 70W to replace 175W MH light
- Outstanding thermal solution allows for usage in commercial application
- Built-in UL class 2 driver, optional for photocell
- Optional steel powder coated arm
- Available in durable polyester dark bronze or silver grey powder coat
- UL/cUL listed and DLC qualified



### Specification

|                      |   |                 |
|----------------------|---|-----------------|
| Specification/ Model | ST45W27V50KADP0   | ST70W27V50KADP0 |
| Input Power          | 45W   | 70W             |
| Lumens output        | 4500lm  | 6700lm          |
| Efficacy             | 100lm/W   | 96lm/W          |
| CRI                  | 70  |                 |
| Color Temperature    | 5000K   |                 |
| Input Voltage        | 120-277V  | 120-277V        |
| Finish Color         | Dark Bronze   |                 |
| Optical Lens         | Polycarbonate (UL Recognized)<br>(f1) Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C |                 |
| Mounting             | Wall mount directly and steel arm   |                 |
| Photocell            | 120V-277VAC (UL and CSA listed)   |                 |

| Ordering         | Rated        | Luminaire                     | Wattage | CCT   | Initial    | Luminaire     | Rated     | CRI | Power  | Photocell | Certificate |
|------------------|--------------|-------------------------------|---------|-------|------------|---------------|-----------|-----|--------|-----------|-------------|
| Code             | voltage(VAC) | Type                          | (W)     |       | Lumens(lm) | Efficacy(lpw) | life(hrs) |     | Factor |           |             |
| ST45W27V40KAD    | 120-277      | DUSK TO DAWN LED STREET LIGHT | 45      | 4000K | 4500       | 100           | 50000     | 70  | 0.9    | NO        | DLC UL      |
| ST45W27V40KADP0  | 120-277      | DUSK TO DAWN LED STREET LIGHT | 45      | 4000K | 4500       | 100           | 50000     | 70  | 0.9    | YES       | DLC UL      |
| ST45W27V50KAD    | 120-277      | DUSK TO DAWN LED STREET LIGHT | 45      | 5000K | 4500       | 100           | 50000     | 70  | 0.9    | NO        | DLC UL      |
| ST45W27V50KADP0  | 120-277      | DUSK TO DAWN LED STREET LIGHT | 45      | 5000K | 4500       | 100           | 50000     | 70  | 0.9    | YES       | DLC UL      |
| ST70W27V40KAD    | 120-277      | DUSK TO DAWN LED STREET LIGHT | 70      | 4000K | 6500       | 93            | 50000     | 70  | 0.9    | NO        | DLC UL      |
| ST70W27V40KADP0  | 120-277      | DUSK TO DAWN LED STREET LIGHT | 70      | 4000K | 6500       | 93            | 50000     | 70  | 0.9    | YES       | DLC UL      |
| ST70W27V50KAD    | 120-277      | DUSK TO DAWN LED STREET LIGHT | 70      | 5000K | 6700       | 96            | 50000     | 70  | 0.9    | NO        | DLC UL      |
| ST70W27V50KADP0  | 120-277      | DUSK TO DAWN LED STREET LIGHT | 70      | 5000K | 6700       | 96            | 50000     | 70  | 0.9    | YES       | DLC UL      |
| ST45W27V40KASG   | 120-277      | DUSK TO DAWN LED STREET LIGHT | 45      | 4000K | 4500       | 100           | 50000     | 70  | 0.9    | NO        | DLC UL      |
| ST45W27V40KASGP0 | 120-277      | DUSK TO DAWN LED STREET LIGHT | 45      | 4000K | 4500       | 100           | 50000     | 70  | 0.9    | YES       | DLC UL      |
| ST45W27V50KASG   | 120-277      | DUSK TO DAWN LED STREET LIGHT | 45      | 5000K | 4500       | 100           | 50000     | 70  | 0.9    | NO        | DLC UL      |
| ST45W27V50KASGP0 | 120-277      | DUSK TO DAWN LED STREET LIGHT | 45      | 5000K | 4500       | 100           | 50000     | 70  | 0.9    | YES       | DLC UL      |
| ST70W27V40KASG   | 120-277      | DUSK TO DAWN LED STREET LIGHT | 70      | 4000K | 6500       | 93            | 50000     | 70  | 0.9    | NO        | DLC UL      |
| ST70W27V40KASGP0 | 120-277      | DUSK TO DAWN LED STREET LIGHT | 70      | 4000K | 6500       | 93            | 50000     | 70  | 0.9    | YES       | DLC UL      |
| ST70W27V50KASG   | 120-277      | DUSK TO DAWN LED STREET LIGHT | 70      | 5000K | 6700       | 96            | 50000     | 70  | 0.9    | NO        | DLC UL      |
| ST70W27V50KASGP0 | 120-277      | DUSK TO DAWN LED STREET LIGHT | 70      | 5000K | 6700       | 96            | 50000     | 70  | 0.9    | YES       | DLC UL      |

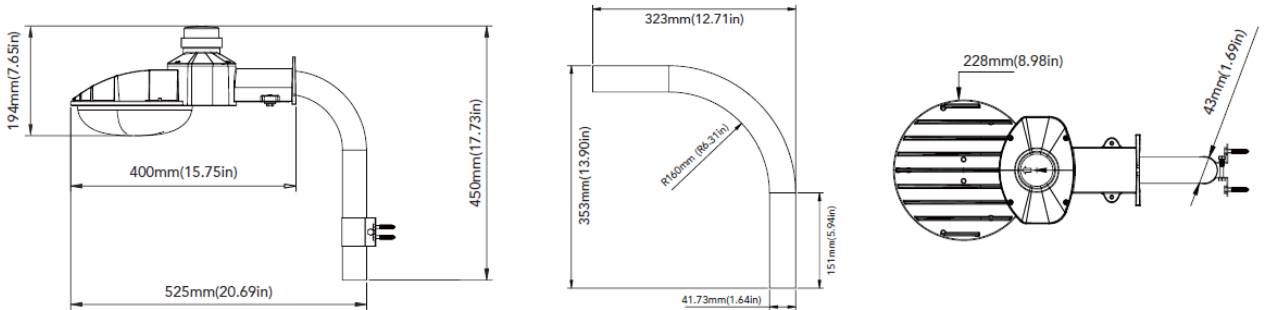
### Ordering Guide

EXAMPLE: ST 45W 27V 40K A D P0

| Fixture Type                     | Power Consumption          | Input Voltage | CCT                    | Series     | Finish                          | Sensor (Option)                                  |
|----------------------------------|----------------------------|---------------|------------------------|------------|---------------------------------|--|
| ST DUSK TO DAWN LED STREET LIGHT | 45W 45Watts<br>70W 70Watts | 27V 120-277V  | 40K 4000K<br>50K 5000K | A A Series | D Dark Bronze<br>SG Silver Grey | P0 120-277V Photocell<br>Blank without Photocell |

### Dimension

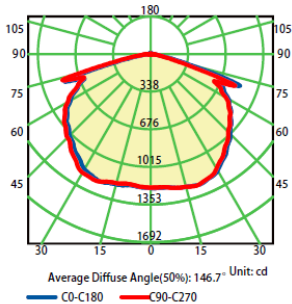
unit: mm/inch



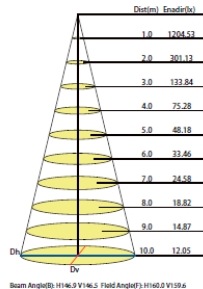
### Photometrics

ST45W27V40KAY

Luminous Intensity Distribution Curve

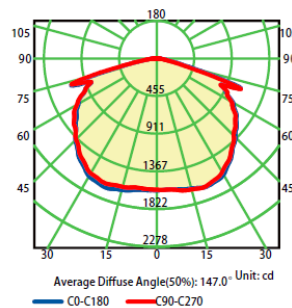


Illuminance at a Distance



ST70W27V40KAY

Luminous Intensity Distribution Curve



Illuminance at a Distance

