



# LED Heritage Street Light

NS-LED

## SPECIFICATIONS

The Nite Sentry is an LED fixture with a traditional heritage design ideal for roadway lighting applications. The fixture can be adjusted to different wattage/lumen levels to replace MH fixtures between 70W to 150W.

Designed and built in the City of Toronto.



|                                                                                                                                    | NS-LED75A35                                                                | NS-LED96A75           |
|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------|
| PERFORMANCE                                                                                                                        |                                                                            |                       |
| Light Output                                                                                                                       | 8,600/6,900/4,000 lm                                                       | 10,800/9,000/8,400 lm |
| Efficacy                                                                                                                           | 115 lm/W                                                                   | 112 lm/W              |
| CCT                                                                                                                                | 3000K, 4000K, 5000K                                                        |                       |
| Beam Distribution                                                                                                                  | Type III, Type V                                                           |                       |
| LED Lifetime (L90)                                                                                                                 | >100,000 Hrs                                                               |                       |
| BUG Rating                                                                                                                         | B2-U3-G3                                                                   | B1-U3-G2              |
| ELECTRICAL                                                                                                                         |                                                                            |                       |
| Wattage                                                                                                                            | 75/60/35 W                                                                 | 96/80/75 W            |
| Voltage                                                                                                                            | 120-277 V, 347 V                                                           |                       |
| Surge Protection                                                                                                                   | 20 kV External surge suppressor,<br>Driver embedded 10 kV (L-E), 6kV (L-L) |                       |
| Power Factor                                                                                                                       | 0.98                                                                       |                       |
| THD                                                                                                                                | <15%                                                                       |                       |
| Dimming                                                                                                                            | 1-10V Dimming (10-100%)                                                    |                       |
| CONSTRUCTION                                                                                                                       |                                                                            |                       |
| Housing                                                                                                                            | Die Cast Aluminum Body<br>Stamped Anodized Reflector                       |                       |
| Lens                                                                                                                               | Semi Frosted Polycarbonate                                                 |                       |
| Finish                                                                                                                             | Corrosion Resistant Polyester Powder Coating (500hrs<br>Salt Spray Tested) |                       |
| Weight                                                                                                                             | 8 kg (17.6 lb)                                                             |                       |
| EPA                                                                                                                                | 0.0699-0.0866 m²                                                           |                       |
| AMBIENT OPERATING TEMPERATURE                                                                                                      |                                                                            |                       |
| -40°C to +40°C (-40°F to +104°F)                                                                                                   |                                                                            |                       |
| CERTIFICATIONS                                                                                                                     |                                                                            |                       |
| cULus Listed for Canada and USA, per UL 1598 & CSA C22.2 No. 250.0, IP65, Wet<br>Location, 3G vibration rating as per ANSI C136.31 |                                                                            |                       |
| CONTROLS                                                                                                                           |                                                                            |                       |
| 7 pin Zhaga compliant receptacle for photocell. Ready for smart wireless control<br>systems                                        |                                                                            |                       |

All reported values were tested at 120V and 3000K and shown for the highest lumen setting.  
**Default Setting:** Highest wattage  
 Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 calculations.

## ORDERING GUIDE

| NS      |          |                                        |                         |                              |                                      | DIM                    | 7PIN                       | SP20                               |
|---------|----------|----------------------------------------|-------------------------|------------------------------|--------------------------------------|------------------------|----------------------------|------------------------------------|
| Fixture | Wattage  | Voltage                                | Colour Temp.            | Beam Distribution            | Finish                               | Dimming                | Controls                   | Surge Protection                   |
| NS      | LED75A35 | B - 120 -277V <sup>a</sup><br>C - 347V | 3K - 3000K <sup>a</sup> | T3 - Type III <sup>a b</sup> | SPS <sup>a</sup> -<br>Sparkle Silver | DIM - 1-10V<br>Dimming | 7PIN - 7 Pin<br>Receptacle | SP20 - 20kV<br>Surge<br>Protection |
|         | LED96A75 |                                        | 4K - 4000K              | T5 - Type V                  | CST - Custom<br>Colour               |                        |                            |                                    |
|         |          |                                        | 5K - 5000K              |                              |                                      |                        |                            |                                    |

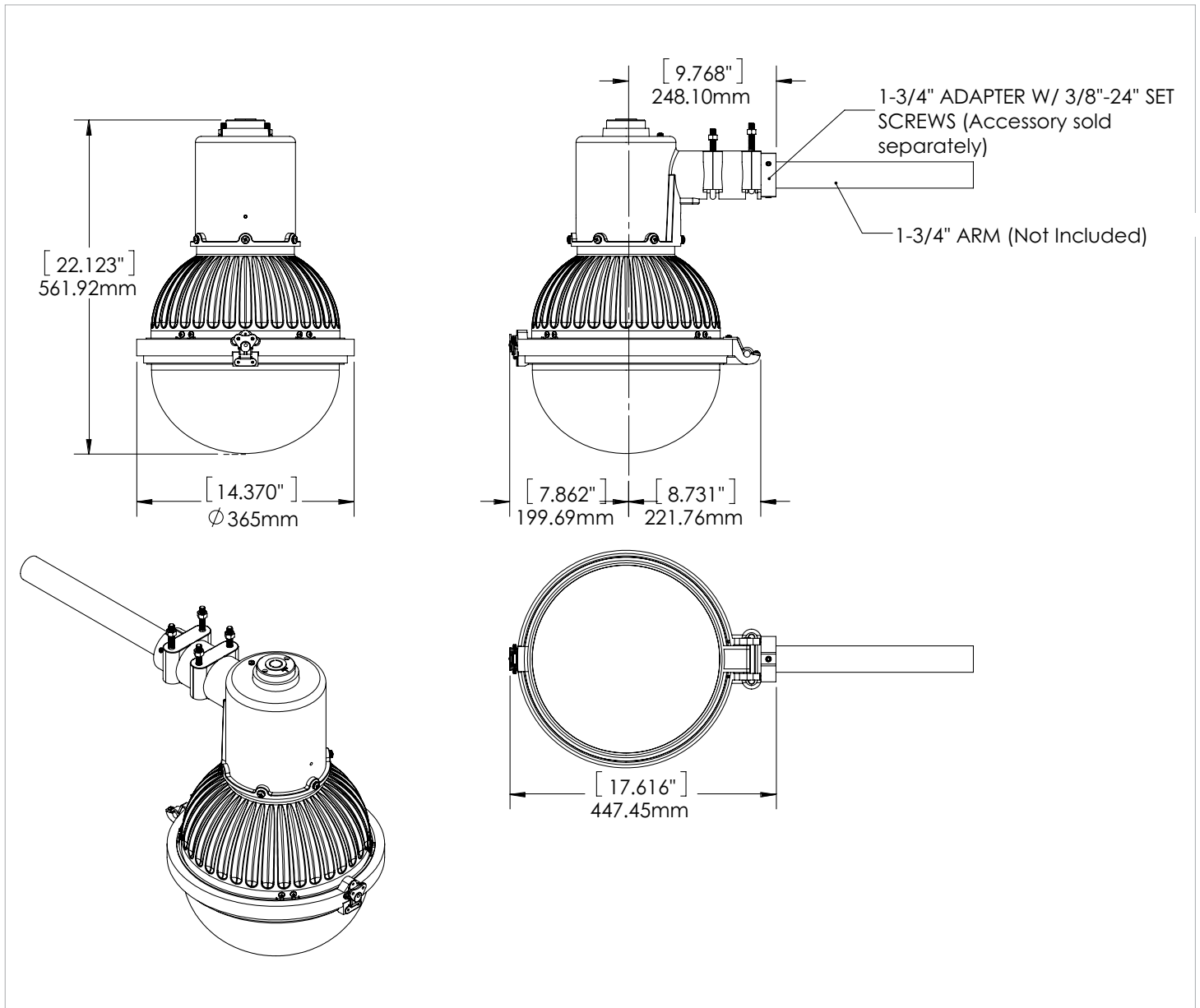
<sup>a</sup> Standard Configuration  
<sup>b</sup> Comes with house side shield

Note: Replacement lens assembly and integrated modules available upon request.

| ACCESSORIES SOLD SEPARATELY |                                                            |
|-----------------------------|------------------------------------------------------------|
| 002366                      | NS-LED 1-3/4" ARM ADAPTER W/ SET SCREWS - MOUNTING ADAPTER |



## DIMENSIONS



### ELECTRICAL

Fixture has been designed with a programmable driver and adjustable switch that create three different wattage/lumen settings. Installer can adjust the lumens through the wattage selector switch to required light level during installation. External surge protection provided is 20kV. Comes with over temperature protection, over voltage protection, and short circuit protection.

### LIGHT ENGINE

Light engine circuit board has an aluminum metal core PCB. Luminaire and components are lead free and RoHS compliant. Terminal blocks with high spring tension push-in spring cage connection are used to connect power supply to input AC and light engine.

### CONSTRUCTION

Fixture is made from die cast aluminum and has an opaque, semi frosted polycarbonate lens and a stamped anodized reflector. There is an integrated module inside the fixture that comprises the heatsink, LED board, optics and driver.

### OPTICS

For T3: House side shield installed inside the fixture to reduce backlight.

### MOUNTING

Mounts on a 2-3/8" arm with no tilt, and/or a 2" arm with a +/- 5 deg. tilt. Adapter available for 1 - 3/4" arm (no tilt). Retrofits to standard street lighting elliptical arms.

### EASY INSTALL/MAINTENANCE

Lens opens through a latch enabling toolless entry. Lens is secured on one side through a hinge assembly freeing up both hands for the installer.

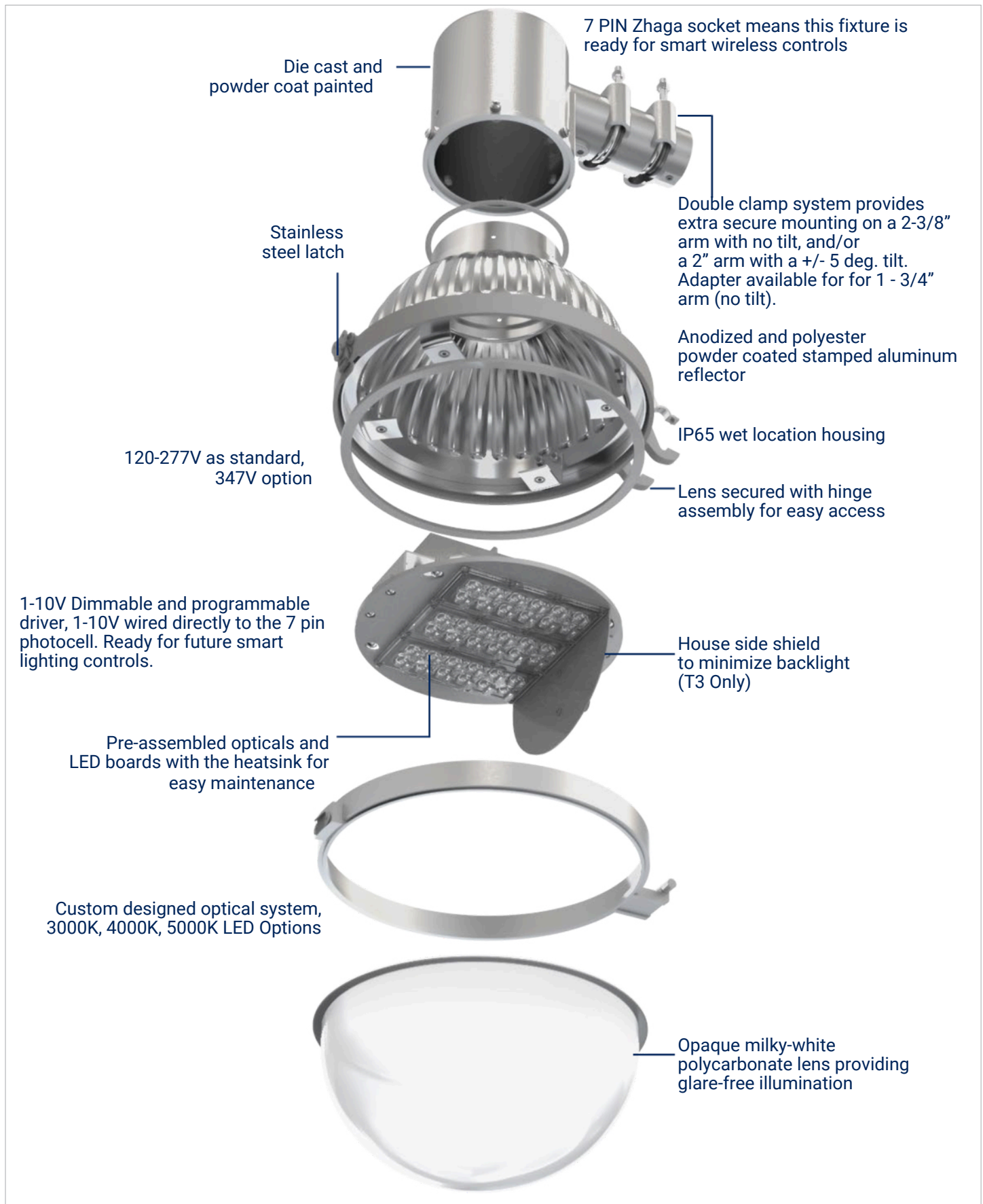
### FINISH

Electrostatically coated, polyester powder coat finish tested for 500hr salt spray. Sparkle silver finish is standard, custom colours are available.

### SPARE PARTS

Lens assembly and integrated module can be purchased separately for easy replacement.

## INSTALLATION FEATURES



## INSTALLATION FEATURES (CONTINUED)



Wattage selector switch, allows installer to select correct wattage for example 96W, 80W, 75W, or 75W, 60W, 35W.

Minimizes the number of spare parts at the maintenance yard.



Modular design: the replacement module (with heatsink, LED board, optics, driver, cut-off shield, and wattage selector switch) limits the number of spare parts needed. It twist locks into place and is secured with 4 screws.