SP-7&SP-7S Smart solar Illuminating Bollard

Notice to Installer

- No wiring connections.
- No transformers present. Our lights do not have an on-off switch since they are triggered by an auto photo sensor.
- Low voltage; therefore no electrical safety hazards.



COMPONENTS FOR EACH ANCHORAGE SET



- AK-S (Surface Mounted)
- 1 bolt template
- 4 hot dipped galvanized wedge anchors(1/2"x7)
- 8 hot dipped galvanized nuts
- 8 hot dipped galvanized washers



- AK-E (Embedded)
- 1 bolt template
- 4 L-shaped hot dipped galvanized anchor bolts (1/2"x12)
- 8 hot dipped galvanized nuts
- 8 hot dipped galvanized washers

AK-S Surface Mounted Installation (Retrofit)

- 1. Drill a hole in the concrete using a hammer drill.
- 2. Clear the hole of all debris. Place wedge anchor through the hole and hammer it in to the drilled hole, ensuring that they are installed to the desired depth.
- 3. Place anchorage base over anchor bolts.
- 4. Place washer and nut over anchorage base and turn until unit is snug. Tighten nut with torque wrench.
- 5. Place bollard over anchorage base and secure with anti-theft screws.

AK-E Embedded Installation (Pouring Concrete)

- 1. Place leveling nuts on L-shaped anchor bolts, followed by washer, bolt template, washer and nut.
- 2. Place assembled bolt template with in desired location.
- 3. Pour in concrete. Use leveling hardware to adjust to desired finished height after pouring. (Make sure there is at least 2 inches between top of the concrete and bolt template.)
- 4. Once concrete has cured properly, remove bolt template by loosening nut and washer.
- 5. Secure the anchorage base to anchorage using the nut and washer.
- 6. Place bollard over anchorage base and secure with anti-theft screws.



(Embedded)