POINT WIND CONES

PWC

Type 806 Externally Lighted

PWC WIND CONE

SPECIFICATION

GUIDE



PWC-8061L-AC-ON-FF LED Specification

Type 806, Size 1: Frangible Pole, 8-ft (2.5m) by 18-in Windsock, Externally Lighted

Note: Optional as Size 4 or Size 5. See the catalog file.

The universal AC powered externally LED illuminated wind cone shall be Made in USA by a manufacturer with at least ten (10) years of experience in the production of aviation wind cones. The manufacturer shall appear in the current list of “Certified Airport Lighting Equipment Manufacturers” in FAA Advisory Circular 150/5345-53D, Addendum. This certifies that the manufacturer is subject to scheduled inspections by Intertek Testing Services.

The Type 806 wind cone shall include a primed and painted pole mounted on a 2-inch FAA breakable coupling. For mounting, included is option -FF which is a floor flange as described below. The overall height shall not exceed 12-ft to enable easy servicing by ladder without lowering. Anchor bolts are by others.

The upper assembly shall use two high quality nylon coated corrosion resistant sealed ball bearings with grease fittings. All hardware shall be stainless steel. The windsock shall mount on a rigid lightweight aluminum frame basket for the first 3-ft (0.9m) to enhance visibility. The international aviation orange nylon windsock shall be reinforced at key points including the end of the basket to resist wear from abrasion and it shall be fitted with two or more brass grommets to prevent water accumulation in the sock. The sock shall attach to the basket simply and securely by means of stainless steel twist-lock marine grade hardware.

The lighting assembly shall include four (4) external LED floodlamps and one top mounted FAA L-810 red LED obstruction light.

The manufacturer shall include enough 3-wire SO cable with strain relief to extend from the lighting to the base of the pole and connectors as required for field connection of the lights to the cable.

The pole shall include a Point Lighting design sleeve adapter to accept the pole to prevent moment stress and possible failure of the 1-inch threaded connection.

The pole assembly shall be prime painted with a water based stainless steel pigmented paint rated for 30 years life in corrosive atmospheres. The finish coat shall be a water based gloss acrylic paint in aviation orange color according to Federal Standard 595 color #12197. The manufacturer shall submit technical data on the paints to be used in support of the anti-corrosion specifications. The manufacturer shall furnish one can of the orange paint to be used for touch-up after installation with the remainder turned over to the owner. Optional red-white windsock and red-white painting are available.

option: -FF Floor Flange Mounting

There shall be included an orange powdercoat painted floor flange threaded to accept the breakable coupling. The floor flange shall be 8-inches diameter with four (4) holes equally spaced on a 6-inches diameter bolt circle. Anchor bolts by others. The floor flange shall have a through hole for wiring to enter the pole.

option: -SM Stand Mount (recommended for roof installations)

The wind cone floor flange shall be mounted to a pre-drilled standoff bracket with junction box and cable fitting per Detail W01.

option: -E Double Obstruction Light

option: -G Rigid Coupling (recommended for roof installations)

The frangible coupling shall be replaced with a rigid machined coupling to remove the breakaway feature.

option: -SSP Stainless Steel Pole (recommended for offshore marine installations)

The standard frangible pole shall be replaced with an unpainted rigid 316L stainless steel pole.

option: -T Tether (recommended for roof installations)

The bearing assembly shall be secured to the pad with a stainless steel tether to help keep the unit from falling off a roof or blowing away in the event the pole breaks off.

WC141 April, 2021