POINT WIND CONES

PWC

Type 807 Externally Lighted

Aluminum Rigid Pole

PWC WIND CONE

SPECIFICATION

GUIDE



PWC-8071L-AC-ON-HBA LED Specification

PWC-8072L-AC-ON-HBA

Type 807, Size 1: Rigid Hinged Base Pole, 8-ft (2.5m) by 18-in Windsock, Externally Lighted

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

Type 807, Size 2: Rigid Hinged Base Pole, 12-ft (3.65m) by 36-in Windsock, Externally Lighted

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 807 wind cone shall include a round, tapered, aluminum pole hinged at the base and fitted with an eyebolt for attachment of a rope or chain to assist lowering. Anchor bolts shall be included. There shall be a vibration damper installed internal to the pole to prevent failure from harmonic resonance. The pole shall include a Point Lighting design slipfitter sleeve to accept the upper bearing assembly to prevent moment stress and possible failure of the 1-inch threaded interface. To prevent any eventual tilting of the upper assembly due to wear, there shall be a machined stainless steel collar installed at the top of the hinged base pole.

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 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 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 high 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. A red-white windsock and/or red-white painting are available options.

option: -HBA Hinged Base Aluminum Pole

option: -A Export Crating

The manufacturer shall crate the pole and upper bearing assembly for protection during shipping. Required for exported units.

option: -E Double Obstruction Light

option: -HSP Hinged Steel Pole

In place of the standard -HBA pole, the wind cone shall include a square, tapered, center hinged steel pole. The Point Lighting slipfitter sleeve design described above shall be retained. Due to the higher weight and unbalanced upper assembly, the pole shall include a mechanical winch for lowering the unit safely. Anchor bolts shall be included.

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