

PWC WIND CONE
SPECIFICATION
GUIDE

POINT WIND CONES
PWC
RIGID EXTERNALLY LIGHTED

This page provides detailed specifications for versions and options of the PWC lighted wind cones powered by 6.6 amp constant current circuits. Upon request, Point Lighting will provide technical assistance in determining the proper specification for the site and the application. In all cases, the owner is responsible to make the final decision for equipment selection.

PWC-8072L-6-ON-HBA SPECIFICATION 6.6A

FAA Type L-807, Size 2: Hinged Pole, 12-ft (3.6m) by 36-in Windsock, Externally Lighted, 6.6A

The FAA L-807 constant current 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 threaded connection.

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 5-ft (1.5m) 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 external floodlights and one top mounted POL red obstruction light. The floodlight lamps shall be 100-watt, halogen 6.6A constant current and the obstruction light lamp shall be 45-watt, halogen 6.6A constant current. All lamps shall be included. The manufacturer shall include the FAA L-823 molded plug & cable with strain relief to reach from the lighting assembly to the base of the pole.

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. If requested, 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.

Note: The wind cone requires a 500-watt, 6.6/6.6A airfield isolation transformer and FAA L-823 primary connector kit that must be ordered separately. The transformer may be direct buried or installed in an FAA L-867B transformer base.

REQUIRED ACCESSORIES: REMOTE TRANSFORMER BASE

To add a transformer housing with blank steel cover, the following items must be added:

PL10179	L-830 Transformer 500w, 6.6/6.6A
PL10078	L-823 Primary Connector Kit
JAQ2124Q2G	L-867 Base Size B (12-inch diameter)
JAQ0919	Ground Lug
JAQ AK100006	Blank Steel Cover 3/8-inch thick
PL10049-5	Gasket, Size B

Note: 2-inch EMT conduit elbow & fittings by others

OPTION: -A EXPORT CRATING

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

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. The optional PWC Field Paint Kit PL10419-807 may be ordered separately and shall include prime and finish coat paints for brush application identical to those used for the PWC Wind Cone FAA L-807 certification testing.