

King Dome

user manual



Martin

INTRODUCTION

The Martin King Dome is a light weight, inflatable transparent housing for protection of a luminaire from precipitation in temporary outdoor applications. It features a powerful fan that inflates the envelope and cools the lighting fixture, and a pressure-activated switch that automatically cuts off power to the luminaire in the event of deflation.

COMPATIBLE LUMINAIRES

Use the King Dome only with a luminaire meeting the criteria listed on the back cover.

SAFETY PRECAUTIONS

Warning! This product is for professional use only.

- Always ground (earth) the King Dome electrically.
- Use only a source of AC power that complies with local building and electrical codes and has both overload and ground-fault protection.
- Do not use the King Dome with luminaires that consume more than 1200 watts of power.
- Do not cover or paint the transparent envelope.
- Do not push, poke, or press the King Dome once inflated.
- Do not lean or sit on the King Dome.
- Do not use the King Dome in very dusty areas.
- Do not block the air vents.
- Do not install or operate the King Dome in heavy winds (over 17 m/s or 37 M.P.H.).
- Keep the King Dome away from small children when not in use.

OPERATION

To inflate the King Dome

- 1 Place the base of the dome on a level surface.
- 2 Center the luminaire on the King Dome base. Verify that no part of the luminaire can extend over the edge of the base during operation.
- 3 If you have not already done so, set the fixture operating mode and control address.
- 4 Connect the luminaire's AC power lead to the 230 V (blue) or 110 V (yellow) outlet on the King Dome base.
- 5 Lead the data cables through an air vent and connect them to the luminaire.
- 6 If the luminaire has a power switch, set it to the ON position. (Fixture power is disabled until the King Dome is fully inflated.)
- 7 Fit the inflatable plastic dome over the base so that the Velcro strip on the dome is right next to, and parallel with, the Velcro strip on the base. Secure the plastic dome by wrapping the double Velcro tape over both Velcro strips.
- 8 Apply power to the King Dome.

The King Dome automatically inflates when power is applied. Power to the fixture is enabled as soon as the King Dome is fully inflated,

To deflate the King Dome

- 1 Extinguish the lamp by sending a lamp-off command from the controller.
- 2 Allow the luminaire to cool for at least 10 minutes, then disconnect the King Dome from power.
- 3 Remove the double band of Velcro that secures the plastic dome to the base.
- 4 Carefully fold and store the plastic dome.
- 5 Disconnect and remove the luminaire.
- 6 Remove the data cables and put everything away.

SPECIFICATIONS

PHYSICAL

Base diameter:..... 80 cm (31.5 in)
Base height: 25 cm (9,9 in)
Base weight: 0.6 kg (1.3 lbs)
Long envelope height: 160 cm (63.0 in)
Short envelope height: 80 cm (31.5 in)

COMPATIBLE LUMINAIRES

Maximum vertical dimension: up to envelope height
Maximum base dimensions: 54 x 48 cm (21.2 x 18.9 in)
Maximum weight: 65 kg (143 lbs)
Maximum power consumption: 1500 W

ENVIRONMENTAL

Maximum ambient temperature (Ta): 25° C (77° F)
Maximum wind speed: 17 m/s (37 M.P.H.)
Maximum noise: 60 dB at 1 m (39 in)

AC SUPPLY

EU model: 230 V / 50 Hz with female connection for fixture (2P+T)
US model: 120 V / 60 H with female connection for fixture (2P+T)

CONSTRUCTION

Base: 5 mm ABS plastic
Base finish: black, integral color
Envelope: transparent 200 my non-flammable PVC film
Protection factor: IP 44

