# High Power LED Followspot

## General

### The product shall be an Ovation SP-300CW as manufactured by Chauvet & Sons, LLC or approved equal.

#### High power LED Followspot with stand for mid-sized venues.

#### The products shall conform to CSA C22.2 No. 166 and UL 1573 stage and studio use as well as UL 8750 LED standards, tested via MET to conform to the aforementioned UL specifications, the product shall hold both MET and CE markings.

#### All LED products shall be provided by a single manufacturer to ensure color consistency.

### Each LED optic shall be spaced for optimal photometric performance.

#### PHYSICAL

### The product shall be constructed of a steel housing, free of defects or imperfections.

### The dimensions of the fixture body shall be 44.7 x 13.9 x 15.8 in (1,137 x 354 x 403 mm) and weigh approximately <52.8 lbs (24 kg).

### The following shall be provided:

#### Ovation SP-300CW follow spot

#### Seetronic Powerkon IP65 power cord

#### Tripod stand

#### Starter pack of gels

### The housing shall have a black powder coat finish.

### Power supply, cooling and electronics shall be integral to each product.

## Environmental and Agency Compliance

### The product shall conform to UL 1573, CSA C22.2 No. 166, and UL 8750 LED standards, tested via MET to conform to the aforementioned UL specifications, product shall hold MET and CE markings.

### The product shall conform to Part 15 of the FCC rules.

### The product shall be rated for IP-20 for dry location use.

## Thermal

### Product heat management shall be achieved through forced cooling.

### The product shall utilize advanced thermal management systems to maintain LED life to an average of 70% intensity after 50,000 hours of use.

### The product shall operate in an ambient temperature range of -4° F (-20° C)minimum**,** to 113° F (45° C) maximum, ambient temperature.

## Electrical

### The product shall be equipped with an auto ranging 100V to 240V 50/60 Hz internal power supply.

### The product shall support power in via Seetronic IP-65 powerKON input connector.

### The product requires power from a non-dim source.

### Products shall have thermal output compensation to prevent thermal shift of color or intensity.

### Product power input shall have current-limiting fuse protection.

### Power supply shall have power factor correction.

### OPTICAL DATA

### The product shall contain a single Cool White LED color system to provide color characteristics as described in the Color section below.

### All LEDs used in the product shall be high brightness and proven quality from established and reputable LED manufacturers.

### Manufacturer of LED emitters shall utilize an advanced production LED binning process to maintain color consistency.

### LED emitters should be rated for nominal 50,000-hour LED life to 70% intensity.

### All LED products (100% of each lot) shall undergo a minimum three-hour burn-in test during manufacturing.

### LED system shall comply with all relevant patents.

## REQUIRED FEATURE SET

### The product shall offer manual zoom of 9° to 17°.

### The product shall offer full blackout, 24 leaf iris.

### The product shall offer manual linear dimmer.

### The product shall offer 6-position removable color changer.

### The product shall offer a maximum noise level of 38.1 dB measured at 1 m.

### Tripod Stand shall offer one telescoping leg for level adjustment on uneven surfaces.

### Products without the required feature set described above shall not be acceptable.

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