

1.01 TAKUMI-2000A, 2kw Xenon Follow Spotlight

A. General

1. The luminaire shall be 2kw Xenon follow spotlight, TAKUMI-2000A from Ushio Lighting, Inc.
2. The luminaire shall incorporate a quiet cooling fan no greater than 50dB.
3. The luminaire shall be MET marked(UL1573) compliant.
4. Luminous output shall produce no less than 2973fc(32,000lx) at 65ft(20m) at narrow beam with hot spot.

B. Physical

1. The luminaire shall be constructed with steel, aluminum and finished in black.
2. The luminaire: TAKUMI-2000A shall be shipped with:
 - a. Heavy-duty adjustable and collapsible stand: ST-2000A
 - b. Removable color changer (Size: 8 inches x 6 colors): XCC-6XB-8”C

9 inches size color changer is also available as an option.
 - c. External power supply: XB-20203ATF
 - d. 16.4ft(5m) long power cable (One end connector)
 - e. 16.4ft(5m) long lamp cable (Both end connector)
 - f. 16.4ft(5m) long control cable (Both end connector)
 - g. Specified lamp: UXL-20PRS
 - h. Optical sight and soft-focus Assy. shall be available as an option.
3. The spot head and stand shall weigh no more than 243lbs(110kg). The power supply shall weigh no more than 37lbs(17kg).
4. Overall dimensions of the luminaire shall not be larger than the

following:

- a. 19.21in(488mm) tall
 - b. 17in(434mm) wide
 - c. 63.46in(1612mm) long [including color changer]
5. Operation angle range of luminaire shall be within 10°upward, 45°downward.
 6. Five handles at sides and back of the luminaire shall be equipped to assist smooth operation and to move and lift the luminaire.
 7. Stand of the luminaire shall be equipped with casters and stopper.
 8. The power supply shall be separated from the luminaire. No internal power supplies are acceptable.

C. Thermal

1. The luminaire shall be equipped with cooling fans to provide proper cooling of the luminaire.
2. Maximum ambient temperature of luminaire shall be 40°C(104°F).
3. Maximum surface temperature of luminaire shall be 120°C(248°F)
4. Minimum throw distance of luminaire shall be 39ft(12m).
5. Minimum offset distance of luminaire shall be 1ft(0.3m).

D. Control

1. The luminaire shall be equipped with a lamp hour meter.
2. The luminaire shall incorporate an easy lamp adjustment system. X, Y, Z axis knobs allow to adjust lamp bulb smoothly.
3. The luminaire shall be equipped with three following levers as minimum.
 - a. Douser lever: Unique 3 blades douser to create smooth

mechanical dimming.

- b. Cutter lever: Horizontal 2 blades shutter.
 - c. Iris lever: Mechanical iris that closes completely (0-Full).
4. The luminaire shall be equipped with a single zoom lever and a zoom adjustment knob to allow fine spot adjustment.
 5. The luminaire shall be equipped with a focus wheel to easily adjust a spot edge.
 6. The luminaire shall have a color changer that can be mounted on a front of spot head.
 7. The stand of luminaire shall incorporate a pan lever, a tilt lever, and a pipe clamp lever. An anti-drop stopper shall be attached on a stand pipe to prevent spot head fall by mishandling.
 8. The luminaire shall be equipped with a counter weight on the bottom of spot head to customize balance.

E. Electrical

1. The luminaire shall be equipped with AC200V to 240V 50/60Hz external power supply. Steady current shall be 13A typ.
2. Rated power consumption of the Xenon lamp shall be less than 1750w. Xenon lamp input shall be DC 25V and rated current shall be 70A.
3. When iris, cutter, or douser is fully closed, the power of luminaire shall be automatically reduced in order to prevent shutters from the heat.

F. Optical

1. Only designated lamp is available to install into the luminaire. A Xenon lamp for the luminaire shall be flicker less design which dedicated for follow spotlight.
2. The color temperature of the luminaire shall be around 6000K.
3. The luminaire shall be equipped with achromatic lens.

4. The luminaire shall provide 3 – 7 degree zoom angles.

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Specification subject to change without notice.