

TENDER DOCUMENT

Product:

F4 T

Article number:

CLF4T

Brief Description:

Fresnel lens spotlight, artificial light, 30,000 luminous flux class

Specification Text:

It must be possible to remove the Fresnel lens completely for use with a softbox and for easy cleaning, without the need for tools. The adjustment of the lens must be carried out via a movable tube, which remains self-locking in the set position by means of gear wheel linkage. Two adjustment knobs for beam angle adjustment must be located on the right and left of the base element. Screw clamps on the tube are not acceptable. The light beam must distribute light evenly and have a soft light effect typical of Fresnel lenses and diffuse softly towards the edge. A light field with multi-shadow "halo" borders or color borders is not acceptable. Shadowing with a barn door must result in a straight shadow without multi-shadows. The color temperature must not change when dimming. Dimming behavior must be appropriate for theater applications. Light pumping or switching behavior, even in the lowest setting range 0–5%, will not be accepted. Operation must be carried out via a central rotary-push encoder. A common four-key operation is not acceptable. The menu display must have at least three rows and an additional status row must show the current mode. If there is no DMX control signal, but the device is in DMX reception mode, it must be possible to adjust the brightness of the spotlight immediately by turning the encoder without using the editing menu. The bracket must be securely fastened in the desired position with a tommy screw. It must be possible to adjust the alignment of the locking screw toggle. The spotlight must not allow any stray light to emit from the housing from the sides or to the rear. The spotlight must have plastic feet so that it can be set down securely and without scratching. Cooling must be adjustable in normal and silent operation. In Silent operating mode, the spotlight must ensure extremely quiet operation (theater-appropriate). The housing surface must be matte and made of a scratch-resistant powder coating.

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Required data:

Half-value angle: $\leq 14^\circ$ to $\geq 54^\circ$

Lens material: Glass

Lens diameter: 250 mm

White light color: 3,200 K

Luminous intensity, spot: $\geq 101,000$ cdLuminous intensity, wide: $\geq 27,000$ cdLuminous flux: $\geq 30,000$ lmCRI: ≥ 95

PWM 800 Hz, 1,200 Hz, 2,000 Hz, 3,600 Hz, 12,000 Hz, 25,000 Hz

Dimmer curves: linear, exponential, logarithmic, S curve.

Response time: LED, halogen simulation

Behavior in the event of DMX failure: Hold, 0%, 100%, last stand-alone value.

DMX functions: dimmer, dimmer 16-bit, strobe, dimmer curve, dimmer response, PWM frequency, fan setting, display, default setting

Protocols: DMX512, RDM

Stand-alone modes: dimmer, strobe, master/slave, Quick Light

Display: Operating hours, LED temperature

Suspension bracket: M12 and bore for spotlight plate as per DIN 15 560

Adjustment aids: tilt scale, zoom scale

AC input connector: Compatible with PowerCon True One

AC output connector: Compatible with PowerCon True One

Signal in: 5-pin XLR

Signal out: 5-pin XLR

Protection class: 1

AC in: 100 V AC–240 V AC, 50–60 Hz

Pmax: 473 W

Color: Black

Housing material: Die-cast aluminum

Dimensions: $\leq 410 \times 364 \times 433$ mmWeight (without barn doors): ≤ 18 kg

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General:

The spotlight offered must meet CE standards, be certified with ETL Listing and FCC, or equivalent, and meet the UL1573 standard for studio and stage use.

The following accessories must be available as an option:

- Update box for the spotlight offered
- Softbox adapted to the available spotlight shape

The following are to be included in delivery:

- Suspension hook (coupler)
- Power supply cable Schuko 1.5 m (included)
- Safety cable
- Safety cable for accessories (included)
- Rotating 8-wing door with foil retaining clips (included)
- Color filter frame in quality metal (included)