

# LEXPERT FRESNEL M

AL2300E41210 - AL2500E41210



**NEW**

## WHITE LED FRESNEL UNIT DESIGNED TO REPLACE 1 KW HALOGEN FRESNEL LUMINAIRES

The compact, lightweight LEXPERT Fresnel M, with excellent heat dissipation and noise level of less than 30 dB, provides a powerful, smooth white LED light. Thanks to its 200 mm (nearly 8") high quality Fresnel lens and motorized linear zoom, the LEXPERT Fresnel M provides a uniform beam, which can be adjusted from 8 to 80 degrees using local and DMX controls. It is equipped with a very accurate dimming system: you can choose between four channels modes, allowing 8 or 16-bit dimming and four different dimmer curves. Alternatively it can be manually adjusted using an easily accessible knob on the back of the unit. The fixture can be ordered in two different White colour temperatures – Warm or Daylight and features a metal filter frame and optional 8 leaves rotating barndoors. With a frequency selectable from 600 to 4800 Hz, and DMX512, RDM and ArtNet3 control to choose from, the LEXPERT Fresnel M is ideal for lighting theatres, TV studios, multi-purpose rooms and other venues.

### ELECTRICAL SPECS

- Power supply: Electronic auto-ranging.
- Input Voltage range: AC 100-240V, 50/60Hz.
- Max power consumption: AC 230V: 205W, 0,9A  
AC 120V: 231W, 1,77A.
- Units daisy chain (max): AC 230V, 14 pcs.  
AC 120V, 7 pcs.

### POWER CONNECTION

- Power Input/Output: Neutrik® PowerCon™.

### DATA CONNECTION

- Control protocols: DMX512 / RDM / ArtNET3.
- Data IN connector: Neutrik® 5 pins XLR.
- Data OUT connector: Neutrik® 5 pins XLR.
- Ethernet connector: Neutrik® EtherCon™.

### APPROVALS

- CE / ETL

### PROVIDED WITH

- Metal filter frame 215 x 215 mm

### MECHANICAL SPECIFICATIONS

- Housing: Aluminium and steel.
- Painting: Black epoxy powder painting.
- Product Dimensions (Length x Width x Height): 504 x 299 x 464 mm.
- Packaging Dimensions (Length x Width x Height): 665 x 380 x 400 mm.
- Net Weight: 10,5 Kg.
- Packed Weight: 11,4 Kg.
- Cooling System: forced ventilation with axial fan.
- Max noise level: 30 dB(A) @ 1m in Standard mode.
- IP protection: IP20.
- Cable (bare wires) length: 1.5 m.

### OPERATIONAL SPECIFICATIONS

- Minimum distance to illuminated surface: 0.30 m.
- Ambient temperature: Max +40°C.
- Max surface temperature: 80°C.

### ACCESSORIES

- 8 leaves rotating barndoors.
- Hook Clamp.
- Safety Cable.

### OPTICAL SPECIFICATIONS

- Source: WHITE LED 150W.
- Source Lifetime L70: > 36 000 hours.
- Color Temperature: Warm white: 3100K±150K,  
Daylight: 5600K±200K.
- CRI: ≥ 95 in Warm white, ≥ 94 in Daylight.
- Optics: Fresnel lens 200 mm.
- Beam Angle: 8° - 80°.
- Field Angle: 17° - 91°.

### FUNCTIONAL DATA

- Motorized zoom.
- Available in two color temperatures Warm white and Daylight.
- High CRI.
- 8-bit and 16-bit ultra-smooth dimming, with different dimming curves available.
- Flicker-free, thanks to PWM frequency adjustment from 600 Hz to 4800 Hz.
- 4 fan selection: boost, standard, silent, ultra-silent.
- Firmware upgrade and all settings available via Webpage.