



POWER SUPPLIES

AC power input 100-240V, 50/60 Hz.
In/Out (Max 4 fixtures – 1600VA).

INPUT POWER

400 VA @230Vac - 50Hz.

LIGHT SOURCE

- Tailor-made laser engine, enclosed in a sealed module.
- Long lasting light source (10,000 hours) with minimal decay.
- Solid, flat field, saturated, ultra-concentrated light beam without any visible hotspots.

OPTICS

Aperture: 1°-7° range (up to 0.5° using beam diameter reducers).

CHANNELS

30 control channels.

EFFECTS SECTION

- RGB Laser based system.
- Very precise 0-100% digital dimmer, dimmer Resolution: 24 bit.
- Fast digital stop/strobe effect.
- N°1 Fix Gobos disk.
- N°1 Rotating Gobos disk.
- N°1 Rotating Prisms disk: Convex plane, Pyramid 6 facets, Linear 6 facets, Frost.
- N°1 Rotating Prism with 16 facets.
- Effects Macro (currently not implemented).
- 1° Aperture - Beam mode.
- Pan and Tilt Resolution: 16 bit.
- Focus Indexing Resolution: 16 bit.
- Rotation gobo Resolution: 16 bit - Rotating gobo indexing.
- Rotating 3prisms Resolution: 8 bit - Rotating 3prisms indexing.
- RGB colour calibration - RGB derating to preserve laser diodes.
- Real-time colour control algorithm when not in raw mode (CTO channel > 0).
- Laser driver safety control logic at firmware level to switch-off light output in a safe state, when parameters outside of working range (redundant with hardware level safety).
- Linear Virtual CTO.
- Pan/Tilt Resolution 16 bit.
- Focus Resolution 16 bit.

ELECTRONICS

- Control signal USITT DMX 512.
- Long life self-charging battery.
- Display Graphic LCD backlit b/w Display.
- Function reset via on-board menu.
- Function reset from the lighting desk.
- "AUTOTEST" function from menu.
- Electronic monitoring with status error reporting and logging.
- Cooling system monitoring.
- DMX level monitoring on all channels.
- Internal data transmission diagnostics.
- Upgrade with no power (CPU only) firmware.
- Firmware upload from another fixture (CPU only).
- Firmware Upgrade via Web Server.
- Protocols/Functions: RDM, Web Server, ArtNet.
- Extremely reliable communication RS485 bus.

INPUTS

- DMX 512, 5 pin In & Out connector.
- Ethernet.
- Neutrik PowerCon True1 (IN & OUT).

IP RATING

IP 20 - Protected against the entry of solid bodies larger than 12mm (0.47"); No protection against the entry of liquids.

MOTORS

11 Stepper motors, microprocessor controlled.

MOVING BODY

- PAN range 540°.
- TILT range 251°.
- Fast speed (Pan 2.46 sec – Tilt 1.68 sec)

Accuracy:

Resolution ± 0,28° (Range 0,56°)

BODY

- Aluminum and steel structure with plastic covers.
- Two side handles for transportation.
- Device locking PAN and TILT mechanisms for transportation and maintenance.

WORKING POSITION

- Working in any position.
- Hanging system: with fast-lock omega clamps (1/4 turn) on the base.
- Optional safety chain.

SAFETY SPECIFICATIONS

- Minimum distance of illuminated objects 10 meters (32' 10").
- Minimum distance from flammable materials 0.2 meters (8").
- Max ambient temperature 40°C (104°F).
- Max temperature of the external surface 60°C (140°F).
- Safety devices Bipolar circuit breaker with thermal protection
- Automatic break in power supply in case of overheating
- Forced ventilation with axial fans

NOISE LEVEL

51.5 dBA (background 34.0)

CE MARKING

In conformity with the European Directives:

- 2014/35/EU - Safety of electrical equipment supplied at low voltage (LVD).
- 2014/30/EU - Electromagnetic Compatibility (EMC).
- 2011/65/EU - Restriction of the use of certain hazardous substances (RoHS).
- 2009/125/EC - EcoDesign requirements for Energy-related Products (ErP).

ETL

This product is available, on demand, with cETLus Listed Mark.

PACKAGING

- Carton box + Polystyrene
- Carton box + Foam shell
- Flight case + Foam shell (2 position)

WEIGHT

24 Kg (52.13 lbs).