



The SharBar is an advanced moving LED bar with features that transform it into a brand new multi-beam effect light. It fits six brand new powerful OSRAM Ostar RGBW LEDs with a power rating of 30W, but taking up the same amount of space as an old 10W LED. It is equipped with a motorized optical zoom capable of a minimum beam angle of only 2°. Thanks to its extraordinary lenses, the Shar-Bar is able to produce six very narrow, dense light beams, shooting parallel rays of light into the air. No comparable LED bar is able to produce a similar effect. The Shar-Bar may also be used to create sharp effects even when projected onto a surface. But there is an even more surprising feature! The optical unit coupled to each LED consists of a motorized system with double mirror. This means each beam of light may be directed independently of the others, thus adding a further degree of freedom to the bar besides the tilt. Each of the six light beams can move or be locked within a 60° (+/-30°) cone. Thanks to this ingenious, original optical unit, the LED bar produces an effect similar to six separate lights, which can work synchronously or asynchronously with respect to each other. Featuring even RGBW color mixing, linear CTO, 0-100% dimmer and 24 Hz strobe, the Shar-Bar produces truly innovative lighting effects and stands out for its high light output and extremely concentrated or diffuse beam. It is compact and durable, and weighs only 15 Kg (33 lbs).

- Motorised LED batten
- 6 x 30W Ostar Osram LEDs
- 2° minimum beam angle
- Very sharp mid-air beam effects
- Sharp effect projections
- Independent movement of each beam over 60°
- Synch or asynchronous beams
- 240° motorized tilt in 0,2 seconds
- Individual RGBW control of each LED
- CTO on dedicated channel
- 16-bit dimmer and 24 Hz strobe
- DMX, ARTNET on Ethernet.

### **POWER SUPPLIES**

100/240V 50/60 Hz  
Automatic power supply

### **INPUT POWER**

300VA at 230V 50Hz

### **LIGHT SOURCE**

6 RGBW LEDs driven at 30 Watt  
- Type: OSRAM OSTAR - Stage II LE RTDUW S2WN  
- Color Temperature: 6,000 K  
- Life: 50,000 hrs

### **OPTICS**

Motorised System with double-mirror optical unit  
2° minimum beam angle  
2°-12° electronic zoom

### **COLOR SYSTEM**

Independent RGBW system for each LED  
Linear Color Temperature Control from 2,500 K to 8,000 K (on dedicated channel)  
Color Macros

### **EFFECTS SECTION**

Six beam lights which can work synchronously or asynchronously with respect to each other.  
Very sharp mid-air beam effects.  
16-bit electronic Dimmer.  
Strobe from 1 to 20 flashes/sec.  
Color, effect and movement Macros.

### **CONTROL AND PROGRAMMING**

Control inputs: DMX cable, Art-Net on Ethernet.  
Standard input sockets: Powercon in/out, DMX in/out and Ethernet in/out (Art-Net protocol with internal switch).  
User interface: graphic display with four buttons.  
DMX protocol signal: USITT DMX 512  
Tilt Resolution 16 bit.  
Dimmer Resolution: 16 bit.  
Strobe 20Hz.  
DMX signal connection: 5 pole XLR input and output.  
Software upload through DMX input.

## BODY

Body extruded in black anodized aluminum.

Aluminum and steel structure with plastic covers.

Sockets are arranged within the bar structure itself to prevent interference with adjacent trusses or bars when rotating.

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## MOVING BODY

TILT Angle rotation: 240° (in 0.2 sec).

7 stepper motors, operating with micro steps, totally microprocessor controlled.

2 linear actuators.

Automatic repositioning after accidental movement not controlled by control unit.

## MOVING MIRROR

PAN Angle rotation: 60° ( $\pm 30^\circ$  mirror movement).

## ELECTRONICS

Long life self-charging buffer battery

Electronic monitoring with status error

Cooling system monitoring

DMX level monitoring on all channels

Internal data transmission diagnostics

Firmware upgrade with no power

Firmware upload from another fixture

## SAFETY DEVICES

Automatic shut-down in case of power supply overcurrent or overheating.

Automatic derating, in case of LED overheating.

Forced ventilation with fans and heat sink.

## WORKING POSITION

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

Quick fit horizontal and vertical hooks for fitting together in arrays, with possible inward and outward rotation.

Adjustable ground positioning pedestal.

## 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, that complies with the UL 1573, UL 8750 and CSA C22.2 No. 166 standards.

## WEIGHT & DIMENSIONS

15 Kg (33 lbs)

