

INSTRUCTION MANUAL

Model: 1SLED-40-XB2(1SLED XB2)
Lamps: 40 6 W diodes @ 3.75 W
Power Supply: Constant Current
Reflector: 95% specular reflectance
Voltage: 120, 60 Hz @ 1.5 A
Mfr: PrimeTime Lighting Systems, Inc.
Address: 4124 Billy Mitchell Drive
Addison, TX 75001
(214) 393-5998 (voice)
(214) 393-5999 (fax)
e-mail: info@primetimelighting.com
Web page: primetimelighting.com

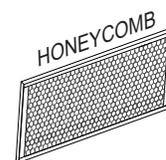


fig. 1

GENERAL INFORMATION

Thank you for your selection of one of the most effective studio luminaires, the 1SLED XB2. This high performance luminaire should provide many years of low cost operation. The 1SLED XB2 is designed to maximize "throw" or "punch" by collimating the light while remaining "soft" and minimizing shadows. Unwanted spill is controlled with optional filters or honeycombs. The 1SLED XB2 is effective as a key light, fill, side or back light.

All PrimeTime studio lights are equipped with advanced reflector technology.

The 1SLED XB2 is available in standard full power (non-dimming), analog signal dimming (0-10 volts) and full DMX-512 discrete dimming (1 luminaire per channel). This degree of availability provides for compatibility with most current control scenarios.

The 1SLED XB2 is made of 16 gage aluminum and powder coated in non-reflective black. Honeycombs are made of aircraft alloy aluminum. Standard luminaires are equipped with detachable 10' long power cords. Each 120 volt cord is equipped with Edison 3 prong connectors. Other voltage models are shipped without plug unless specified. A fused power in and out receptacle is supplied for 120 volt models. Adjacent fixtures may be powered with this connector so long as the load does not exceed 4 amps. (fig. 2) Fuse is fast acting type 217, 10 amp, 250 V. The switch controls the power to the one fixture. Power is indicated when the switch is lit.

The 1SLED XB2, like most of the line, is mountable in horizontal or vertical orientation. Ordinary grip devices allow stand mounting as well.

For instructions on dimming models see dimming addendum.

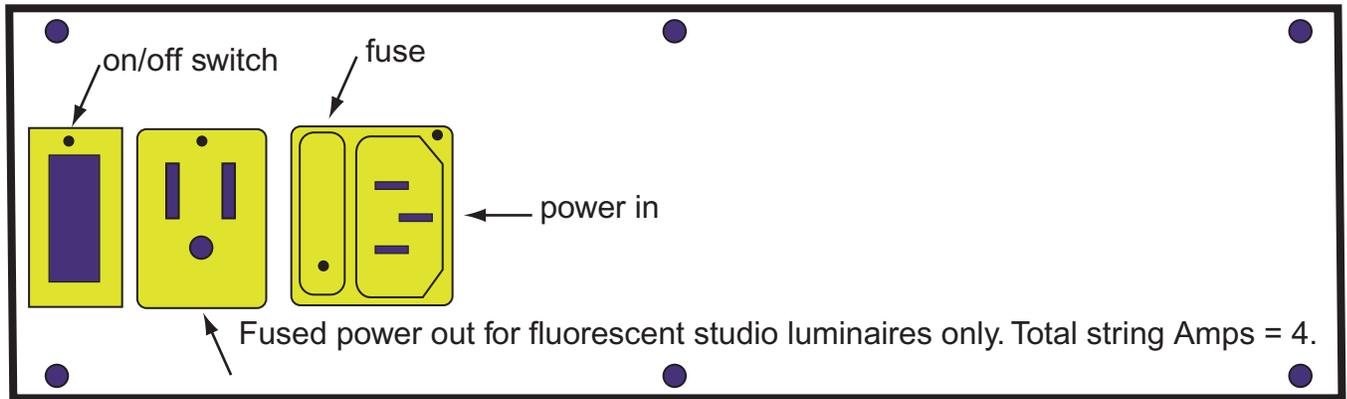


fig 2

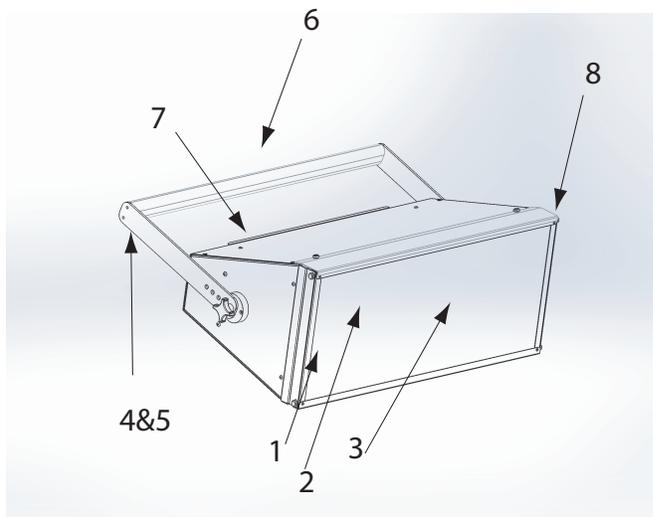


fig 3

The control panel is shown in fig. 2. This panel is the same in appearance to the 0-10 volt dimming model. A label containing the serial number indicating voltage and dimming capacity can be found on this plate.

Figure 3 indicates the features of the luminaire. They are:

1. Reflectors made with PrimeTime technology exhibit 95% specular reflectance. Spectral response curve is flat over the visible range.
2. 40 6 watt LEDs in several colors and performance levels are available.
LEDs are long life, rated at 50,000 hours.
3. LEDs are not field replaceable. Contact factory for instructions.
4. Heavy duty adjustment knobs provide for precise altitude pointing.
5. Yoke or "bale" suspends the luminaire and allows azimuth pointing.
6. Rotation about these mounts allows hemispherical pointing.
7. Control panel including switch and power connections. See fig. 2.
8. Mounting slot retains honeycombs.

INSTALLATION:

Remove the luminaire from the shipping carton and inspect for any damage during shipping. If attenuators are ordered they may be installed in the aperture. If so, loosen the accessory slot cover retaining screws and slide the cover back to expose the slot. Remove the accessory if necessary. The 1SLED XB2 may be supplied with Tungsten or Day Light LEDs as shown in table 1.

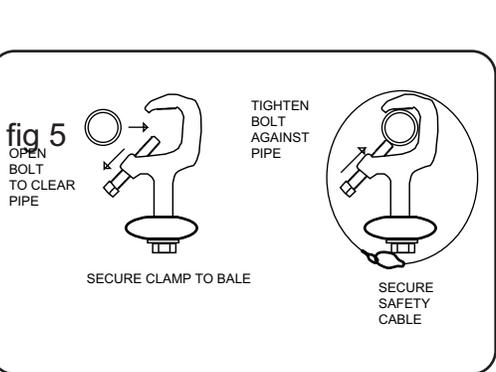
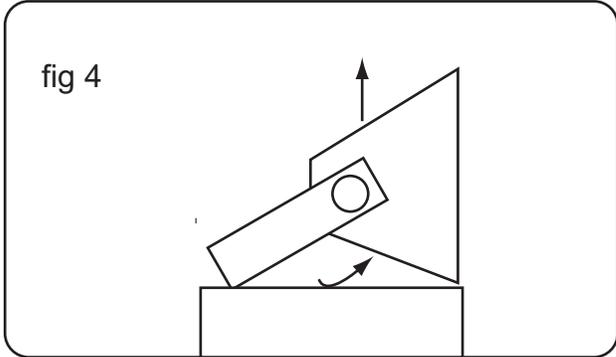
Table 1		
LAMP COLOR	KELVIN	CRI
TUNGSTEN	3,200	93+
DAY LIGHT	5,600	92+

It is advisable to:

bench test each fixture. Plug the the power cord in one luminaire and turn the switch on the control panel (fig 2). The switch should be lighted if the unit has power. The lamps should start.

Next, the hanging means should be mounted on the yoke (fig 5) with a 1/2" bolt supplied with the "C" clamp and or stem. If vertical mounting is desired, the hanger or stem

should be attached on one end of the yoke brace. If daisy chain power is desired, up to a total string of 4 amps, use of the "power out" receptacle. in figure (2). If the luminaires are bench tested it is advisable to set the unit on the bench top as shown in figure 4 to allow ventilation though the body of the fixture. Extended operation with the ventilation slots blocked can cause over heating.



With the stems and "C"clamps attached, hang each assembly in the desired location on the 2" pipe grid or other qualified hanging system. Immediately add a safety cable as per fig. (5)

For assistance call (214) 393-5998, fax (214) 393-5999

TROUBLE SHOOTING

If the luminaire will not strike, first determine if power is available to the switch. If the switch glows, there is power. If the unit is DMX controlled, make certain that there is a green colored indicator in the control panel indicating the presence of a good DMX signal and the address (fixture number) is correct. If bench testing set the address at 699 for 99% local control.

This light is rated to start at 50 degrees F or below. Consult Factory if the luminaire is non-responsive. (214) 393-5998

REFLECTIVE SURFACE CARE AND MAINTENANCE

The mirrored surface of this lighting product has the highest specular reflectance of any commercially available material. With proper care it should perform well for many years.

Fingerprints show up clearly and should be avoided. Dust adhering to the reflective surface shows, as well. In the event that soiling should occur, the reflector can be cleaned with little effort. It is best to start with a feather duster.

The clear coating of the reflective surface is chemically resistant and relatively tough but can be scratched by rubbing dusty grit causing marks. The effect is mostly cosmetic but should be avoided, especially for open fixtures. The best cleaners are those which leave no residue. Glass cleaners work well, as do very dilute solutions of hand dish wash detergents (1 drop/quart). Solvents stronger than isopropyl alcohol should never be used.

Never use paper towels or tissues as these materials are made from wood and will cause scratches. Only soft cotton cloths should be used to wipe the surface. Use single strokes along the long axis of the reflector. Never use an orbital motion. The idea is that linear scratches don't show as much. Most scratches are caused by dust and dirt being rubbed into the surface. Before wetting the mirror surface, remove as much dust as possible using a feather duster or compressed air. Cloth diapers or soft, (well used) terry cloth works best. Never use spray cleaners like Formula 409, as these compounds leave residue. Spray on glass and mirror cleaners work best. If you have any questions call (214) 393-5998.

CAUTION: ALWAYS DISCONNECT POWER BEFORE CLEANING THE LUMINAIRE



Manufactured in the USA by:
PrimeTime Lighting Systems, Inc.
4124 Billy Mitchell Drive
Addison, TX 75001 (214) 393-5998
PrimeTimeLighting.com