LED Lamp

User Guide

Welcome to the **ALLEN&HEATH LED**Lamp, a variable brightness 18" gooseneck lamp for mixing console and other equipment illumination using LEDs (light emitting diodes) instead of a filament bulb. The LEDs are angled at 40° ensuring a suitably wide light dispersion. Producing a bright, white light, the **LED**Lamp is more relaxing on the eye and better suited to illuminating a console control surface than the yellow light of a filament bulb. Unlike the filament bulb, the LEDs do not produce heat and they do not require replacement in time. A dimmer function is built into the lamp head. The light can be variably dimmed using a knurled thumbwheel from fully on to almost off so that it can be set according to the operating brightness required.

The **LED**Lamp circuit is built into a strong, stylish plastic moulding to ensure protection and user comfort. The flexible metal gooseneck can be bent into shape to adjust to the area being illuminated. It terminates in a 4-pin 90° metal XLR suitable for plugging into the mating socket as found on many consoles including those made by **ALLEN&HEATH**. Alternatively, it can be powered from an external 12V power supply.

Features:

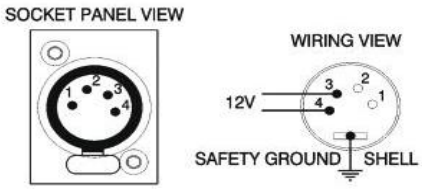
- Flexible 4pin XLR gooseneck LED lamp
- Comfortable cool white light
- Built-in dimmer for variable brightness
- No need to replace bulbs
- Low current requirement
- Rugged construction with protective plastic head

Power Requirements:

The **LED**Lamp requires an AC or DC voltage between 10V and 18V. It can work with positive or negative voltages. At 12V it draws around 35mA per lamp, at 18V it draws a maximum 80mA. A 12V DC supply is recommended. Ensure the supply has enough current to power the number of lamps you intend to use. Wire the supply to one or more 4pin XLR female sockets as shown in the diagram. A metal bodied type with locking tab is recommended.

Grounding:

For operator safety ensure that the shell of the XLR socket is connected to chassis ground.



Operation:

Firmly insert the **LED**LAMP into the XLR socket. Ensure that the locking tab clicks into place. Bend the gooseneck into the required position. Adjust the thumbwheel for the required lamp brightness. Press the locking tab and pull the XLR out to remove the lamp after use.

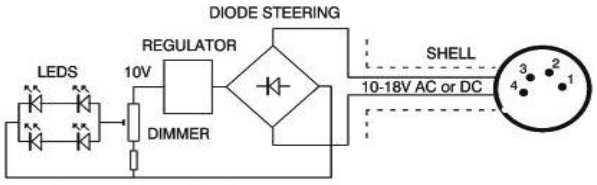
WARNING:

As with any high intensity lamp do not look directly into the LED light as this may cause discomfort or damage to your eyesight.

LED RADIATION: ***DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. CLASS 1M LASER PRODUCT.***

Specification:

Recommended power:	12V DC @ 35mA
Range allowed:	10 - 18V AC or DC
Maximum:	18V @ 80mA
Light source:	4x super bright white LEDs
Brightness:	Variable from low to fully on
Connector type:	4pin 90 degree male XLR
Wiring:	Power across pins 3 and 4, case to shell
Mechanics:	Metal connector and gooseneck, ABS head
Dimensions:	Gooseneck 18" (457mm) overall 22 1/2" (572mm)



This product complies with EN60825:1994 SAFETY OF LASER PRODUCTS. **ALLEN&HEATH** has a strict policy of ensuring all products comply with the latest safety and EMC standards. Customers requiring more information about EMC and safety issues can contact Allen & Heath.

NOTE: Any changes or modifications to the product not approved by **ALLEN&HEATH** could void the compliance of the product and therefore the users authority to operate it.

Whilst we believe the information in this guide to be reliable we do not assume responsibility for inaccuracies. We also reserve the right to make changes in the interest of further product development.

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