

Anycolour Digital Fluorescent Ballasts : Installation Hints

To save the installer time and effort, Anycolour DFBs are designed for simple fixing and for quick electrical connection. We hope that you find them easy to install.

Fixing

- See dimensions overleaf for fixing to walls/ceiling/battens etc.
- Outer fixing centres are spaced 230 mm apart across the battens which are 244mm wide.
- Alternative 'concealed' inner fixing centres with sideways keyholes are 186mm apart.
- Note use of 'drop in' keyhole fixings. Eases assembly but also disassembly - if the fixings are not screwed down tightly, the DFBs will easily lift back out of temporary installations.
- For the best colour effects use a spacing of 250-350mm from the back of the DFBs to any covering translucent screen. The optimum distance depends on the screen material.
- Mount the fittings on a pitch of 300-400mm for the most even illumination level.
- Make sure that there is always adequate ventilation around the fittings to maintain their temperature within the recommended ambient temperature range of 0-40`C.

Data Connection

- Use the RJ12 quick connection cabling system to daisy chain data connections to fittings.
- The three sockets on each fitting are paralleled for in/through/out connections.
- Fittings daisy-chained together will produce the same colours
- A maximum of 15 fittings can be driven from any one ColourDesk or interface output.
- When mains supply is 220 V ac this limit reduces to 10 fittings / output.
- Do not connect two such outputs together or data will be corrupted.

Power Supply Connection

- Anycolour DFB fittings are designed to work from 220-240 Vac (nominal) supplies.
- Each fitting has a nominal 1A rating, and is fitted with a 1.6 A T rated fuse.
- Due to surge currents at switch on, the maximum recommended loading on a UK 13A ring- main plug and socket is 10 DFB fittings.
- For larger numbers of fittings it is recommended that a more heavy duty supply be provided.
- The mains supply can be easily daisy-chained using the IEC plug-socket leads provided.
- Ten fittings is the maximum recommended to be connected in any one such supply chain.
- ie Any one fitting should only be used to supply power in this way to a maximum of 9 more.

Testing

- To check that all lamps and ballast are working, disconnect data lines before powering up. On powering up all lamps should come on full.
- If you suspect that a lamp or ballast has failed, disconnect the mains supply and data lines from the ballast, then reconnect supply. All the lamps should come on full.
- Note test feature on DMX to DFB interface which will check individual outputs/lamps.
- Lamps and ballasts are designed to give a long life expectancy, but should any lamp fail, replace it with one of an identical specification.



Anytronics Ltd

Units 5/6, Hillside Industrial Estate,
London Road,

Horndean, PO8 0BL UK

Tel: +44(0) 23 9259 9410

e-mail: sales@anytronics.com

