

DS-SERIES

Dimmable LED Ceiling Panels

Item ref: 154.926UK, 154.927UK, 154.928UK

User Manual





Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction

Thank you for choosing Fluxia dimmable LED ceiling panels for your lighting installation. The panels and accessories supplied are intended for professional use only and should be fitted by a qualified electrical installer. Please use the following instructions as a guide when installing these products.

Package contents

LED ceiling panel	Dimmable LED driver
Ceiling suspension kit	User manual

If any parts or accessories are missing, contact your dealer immediately.

Safety

Fluxia LED panels are professional mains powered items and should only be installed by a qualified electrical installer.

All mains connections must be made in accordance with the appropriate safety regulations.

Do not attempt to use alternative power supplies or power more than one panel from a single driver.

To prevent the risk of fire or electric shock, do not expose any components to liquids or moisture.

Avoid impact, extreme pressure or heavy vibration to the housing.

No user serviceable parts inside – Do not open the panel.



Warning! The LED driver supplied with this panel must be earthed

Placement

Ensure adequate support from ceiling or grid structure for the weight of all panels to be suspended.

Do not place heavy weights on top of the panel.

Allow enough slack in cables and connections for servicing and access.

Cleaning

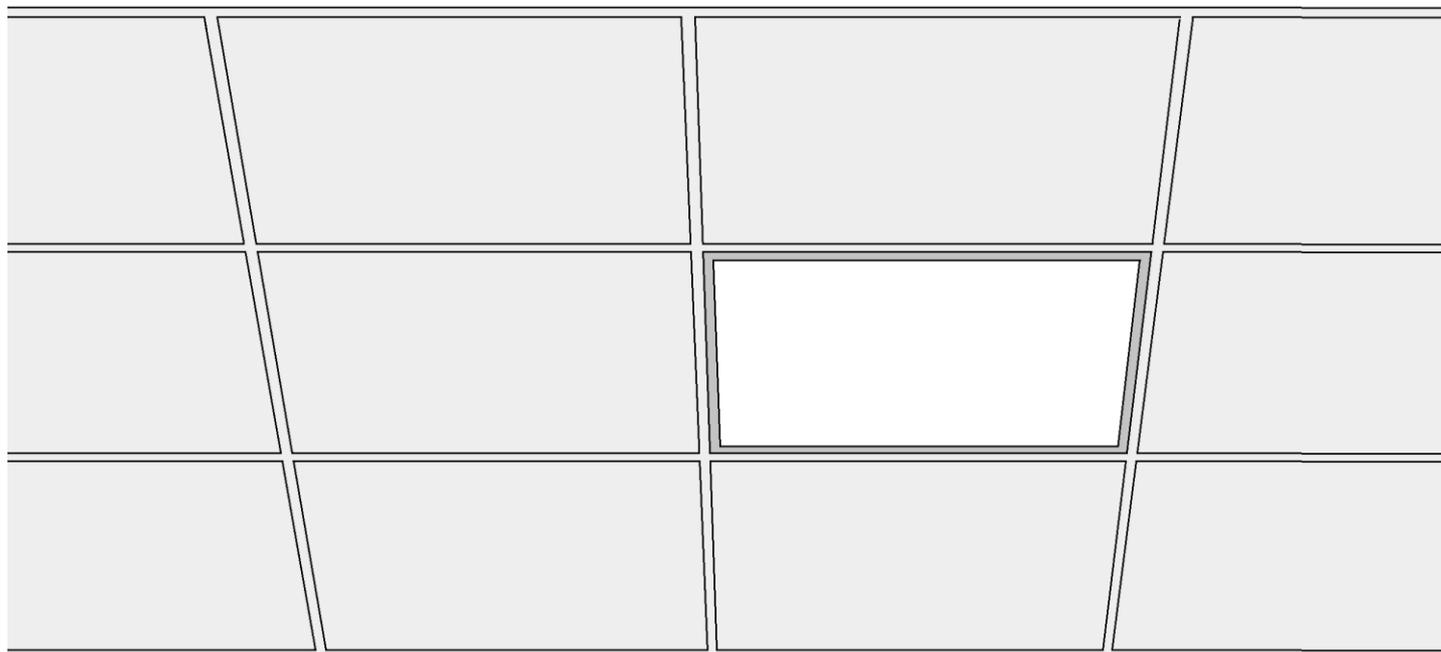
Clean the LED panels periodically for efficient performance using a clean dry anti-static cloth

A lightly damp cloth may be used to remove stains – allow the panel to dry completely before use.

Do not use solvents on any part of the housing.

Installation

Fluxia LED panels will sit directly into the T-bars of a standard modular ceiling grid. Ensure the correct size format for the ceiling scheme.



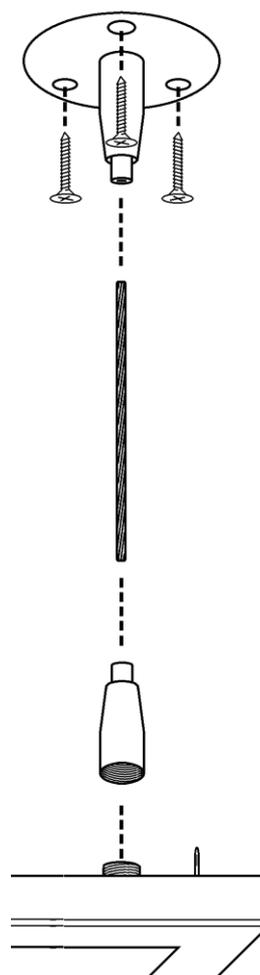
If there is no ceiling grid, a panel may be hung from the ceiling using the suspension kit supplied. The kit comprises 4 steel cables, 4 flanged ceiling anchors with screws and 4 M10 fasteners. This kit enables suspension of the LED panel for up to 1m from the ceiling.

To suspend the panel from the ceiling, note the 4 threaded studs which are fitted near to each corner of the LED panel. Mark out fixing points on the ceiling corresponding to these studs. Depending upon the ceiling material, it may be possible to drill through the ceiling to allow excess steel cable to be fed into the ceiling void. Otherwise, each steel cable will need to be cut to length.

Each ceiling anchor requires 3 fixings which will depend upon the ceiling type and material (wood screws are supplied for timber ceilings). Position the flanged ceiling anchors against the markings on the ceiling, mark out the 3 holes and fix each anchor securely to the ceiling.

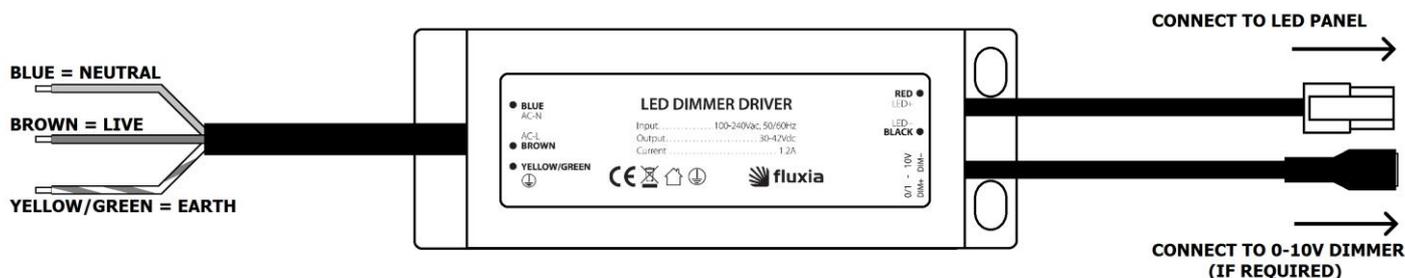
Fix each of the M10 fasteners to the 4 threaded studs on the upper edge of the LED panel and push one end of a steel cable into the narrow end until it stops. The cable will lock so that it cannot be pulled out but this can be released if necessary by pushing the narrow end of the fastener inward.

Whilst supporting the panel, thread the opposite end of each steel cable into its corresponding ceiling anchor and through until the correct height adjustment is achieved. Again, the locking anchors can be adjusted in turn by pushing the narrow end inward to release the cable.



Connection

Each LED panel is supplied with a dimmable LED driver. The input side of this driver must be connected to the mains supply by a qualified electrical installer. All relevant wiring regulations must be observed when connecting to the mains power supply and this driver must have a proper Earth connection for safety. Insulate any exposed wiring connections.



The output side of the LED driver has 2 wires. One is an EL power lead which connects with its counterpart on the LED panel and the other is a male DC5521 jack socket which can receive 0-10Vdc control voltage for PWM dimming. When the DC5521 jack is not connected, the LED driver operates as normal at full output to the LED panel. If a standard 0-10Vdc dimmer is connected to the DC5521 jack, the LED panel will operate as a dimmable luminaire.

Specifications

Version	154.926UK	154.927UK	154.928UK
Format	600 x 600mm modular ceiling tile		
Power supply	100-240Vac, 50/60Hz		
Voltage	30-42Vdc		
Dimming control	0-10V		
Current	1.2A		
Housing material	PMMA plastic & aluminium		
LED lifespan	>50,000 hours		
LED colour	Warm white	White	Cool white
Colour temperature	2800K	4200K	6200K
Total luminous flux	2950lm	3100lm	3250lm
Luminous efficacy	61lm/W	64lm/W	67lm/W
Colour rendering index (CRI, Ra)	81		
Beam angle	≥120°		
Power consumption	48W		
IP rating	IP20		
Dimensions	595 x 595 x 15mm		
Weight	3.56kg		



Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.
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