



BASIC MRI ELECTRICAL KIT

Model FS/MRI/EL/BC/MOD-0124

SIMPLE - PLUG & PLAY
FOOL PROOF - ZERO NOISE

www.frankshield.com

1.MRI COMPATIBLE DIMMABLE LED DOWN LIGHTS

Frank shields MRI compatible LED lights; designed to be installed inside the MRI room and works in the sensitive MRI area without creating any artifacts in the MRI images.

The MRI compatible LED lights are manufactured with non-magnetic shield casing and fixtures. Every individual light has got a specially designed circuit from Frank shields, which provides constant current to the light and emits no interference inside the room.

The power supply for the light is installed outside the MRI room and connected to the lights through the filter provided with the kit.



The standard MRI Compatible LED Light kit consists of the following.

Down Light

- Down lights 16 Watts-10 nos.
- DC Power Supply -1 nos.
- Modular Filter
- Interface module .
- Electrical socket 4 nos
- Switches 2 no

POWER SUPPLY MODULE



Frank Shield specializing in plug-and-play power supply modules, focuses on creating solutions that simplify the connection and integration of power supplies in various electronic and electrical systems. Here's a brief overview of what makes these types of modules advantageous:

Key Features of Plug-and-Play Power Supply Modules:

1. Ease of Use:

- Simple Connections: Designed for easy and intuitive connections, reducing the need for complex wiring or specialized knowledge.
- Pre-Wired Solutions: Often come with pre-wired connectors, minimizing the time and effort required for installation.



MODULAR TYPE RF FILTER

Frank Shield's modular plug-and-play RF filters are engineered to simplify the integration and management of RF filtering in various systems.



- **Simple Connections:** Designed to connect quickly and easily with standard interfaces or connectors, reducing setup time and complexity.
- **User-Friendly Setup:** Requires minimal technical expertise for installation, making it accessible to a broader range of users.

REMOTE CONTROLLER

Remote control unit designed for managing both down lights and RGB lighting, with an additional bypass switch feature. Here's a detailed look at how such a unit typically operates and its benefits:



Features of the Remote Control Unit:

1. Remote Control for Downlight and RGB Lighting:

- Downlight Control: Adjusts the brightness and possibly the color temperature of downlights, which are often used in ceilings for general illumination.
- RGB Control: Manages RGB (Red, Green, Blue) LED lights, allowing users to change colors and create various lighting effects by adjusting the color mix and intensity.

2. Bypass Switch:

- Purpose: Allows users to bypass the remote control system and control the lights manually or switch them on/off directly.
- Functionality: Useful in scenarios where remote control might not be operational (e.g., if the remote battery is dead) or when a simple manual override is preferred.

MODULAR INTERFACE FOR CABLING & POWER OUTLETS

Frank shields modular interface for cabling and power outlets is designed to provide flexibility, ease of installation, and adaptability in managing electrical connections and power distribution.

Plug-and-Play: Modular components can be easily connected and disconnected, simplifying installation and maintenance tasks.



BLOCK DIAGRAM



CONSOLE



**TECHNICAL
ROOM**



**INTERFACE
MODULE**



FILTER



Thank You



Frank Shields Medical Equipment LLC.
Office No.3 Jurf 2 Industrial Area Ajman UAE
Website: www.frankshield.com
Email: info@frankshield.com

Frank Shields Pvt Ltd
Industrial Park (Adibatla), Nadergul, Balapur,
Mdl, RR District Hyderabad, 501510, India
Website: www.frankshield.in
Email: info@frankshield.in