

## Project Information

Job Name: \_\_\_\_\_

Location: \_\_\_\_\_

Catalog#: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

# MedLux® XLD

## MRI-Safe LED lighting dimmer system

### PRODUCT DESCRIPTION

The MedLux® XLD Dimmer is designed to operate exclusively with the MedLux XLS Advanced MRI Lighting System. This state-of-the-art dimming controller features a distinguishable shallow profile, has an easy to clean keypad and digital preset programmability.

The positive feedback keypad allows for full brightness "ON", 100 levels of dimming, "OFF" and "PRESET" recalls a level stored in memory. Typically, the ON setting produces full brightness for cleaning and maintenance, while PRESET activates a pre-programmed light level for performing scans.

Smooth dynamic operation is achieved without changing color temperature from the MedLux® XLS down lights and remains 100% MRI safe.



MedLux® XLD Dimmer Keypad

### PRODUCT FEATURES

#### 100% MRI Safe

All Non-ferrous Construction

Proprietary Electronics

#### Advanced Lighting Control

Dimming Technology

#### Control Pad Design

### BENEFITS

- No restrictions on mounting locations - can be mounted in or out of shield room

- Quiet operation, no RF emissions

- Smooth dynamic control
- Even color temperature throughout dimming range
- Class 2 low voltage; easy plug-in type connections
- Single keypad controls up to 30 fixtures
- Shield Room or Control Room installation

- Aesthetically pleasing - similar to other controls used in medical industry
- Easy to clean surface
- Long-life LED indicator light
- Easy to install - mounts in standard wall box with minimum 3" depth

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### SPECIFICATIONS

#### Down Light Control:

Dimensions	4.5"H x 2.75"W
Input Voltage	16VAC, 50/60Hz, or 15VDC to 48VDC Class 2 Power Source (16VAC Transformer, Mounting plate, and Connecting Cable supplied)
Input Power	2.4 Watts, 4.8 VA (assuming non-pfc wall adapter)
Safety Rating	All circuitry meets NEC Class 2 requirements
Output Voltage	0 to 12 VDC, pulse width modulated, trapezoidal wave
Operating Range	Output PWM spans 0 - 100%
Operating Frequency	Internal clock= 32.7KHz (fully MRI compatible) PWM frequency = 140Hz
Controls	ON - Press to activate dimmer, sets output to FULL ON ARROW UP - Press or Press-and-Hold to increase brightness ARROW DOWN - Press or Press-and-Hold to decrease brightness SAVE - Place current brightness setting into memory PRESET - Recall last "saved" brightness setting OFF - Press to turn lights OFF; dimmer "night light" remains active
Wiring Description*	Terminal block for discrete wired installations is standard. Optional RJ-45 connectors available with Class 2, shielded plenum rated signal cables.
Mounting	Standard single gang wall switch box, minimum 2"W x 2.75"H x 3"D (inside clearance, 20.3 cu. in. typ.). May be located inside the MRI Suite with no additional equipment, or in the control room when a suitable facility filter is installed.
Keypad Plate Mounting	3.28" vertical screw centers

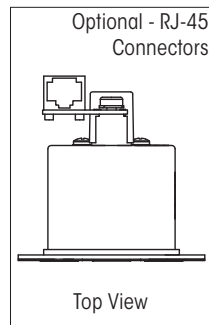
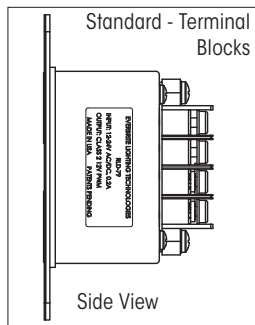
Note: Specifications subject to change without notice.

\*Refer to XLS Installation Manual for wiring diagrams & specifications.



MedLux™ XLS Dimmer  
- approximate size

### Product Views



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LED MEDICAL LIGHTING TECHNOLOGY

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