



## FOUR DIMMER MODULE ENCLOSURE ILS-LM-4040

# LYTE mode™

### Project:

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### Location/Type:

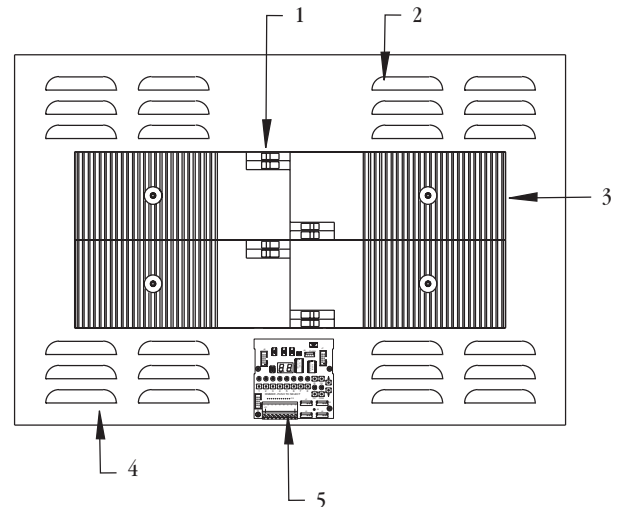
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### Description

The Lytemode™ System ILS-LM-4040 Dimmer Cabinet is a rigid enclosure designed to hold four single or dual Lytemode System Dimmer Modules. The dimmer cabinet is wall mounted and can be either recessed or surface mounted. All dimmers and components are serviceable or removable from the front of the cabinet. Entrance into the line voltage wiring component may be from the top, sides, or bottom of the cabinet. Three blank panels are provided to cover possible spaces where no dimmer module exists.

The ILS-LM-4040 Cabinet will maintain proper air flow through the dimmers regardless of whether recessed or surface mounted. This shall ensure satisfactory operation of the equipment within an ambient temperature range of 0° to 40° Celsius WITHOUT THE USE OF FANS.

The ILS-LM-4040 cabinet can be fed from a single or 3 phase normal/emergency feed and normal house power (sense feed). If normal power is lost, the matrix emergency card will cause the outputs to be at full brilliance.



1. Circuit Breaker
2. Convection Cooling Vents
3. Stab-in Dimmer Module Slots (4)
4. Low-Voltage Wiring Compartment
5. Channel Assignment Matrix Card

### Applications

The ILS-LM-4040 houses any combination of four Lytemode Dimmer Modules including:

- LM-2400
- LM-2-2000
- LM-2-2000EB
- LM-2-2400FAM
- LM-2-2400HDF
- LM-2-2400ND
- LM-210QE120I

### Options

- Blank Dimmer Plates                      LM-DC
- Dual High Inductance Filter Option    LM-HIFO
- U.L. Standby Emergency Relay Option   LM-ERO

## Electrical Specifications

Input: 120VAC, 60Hz

ILSLM4040: 3 Phase Feed

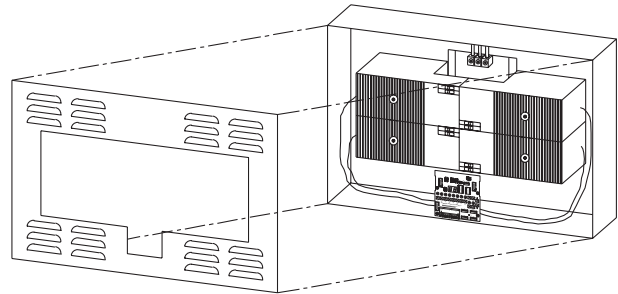
ILSLM4040P1: 1 Phase Feed

Operating Temperature: 0°– 40°C

### Wiring:

Main feed and load wire connection terminations are based on the total connected load. Lightolier® Controls provides custom installation drawings based on design criteria.

## Dimensions



Width: 30.25 in., Plus 0.5 in. flange all around the front cover

Height: 20.00 in., Plus 0.5 in. flange all around the front cover

Depth: 3.25 in., Plus 2.0 in. Heatsink extensions beyond front cover

Weight Empty: 42 lbs

Weight Full: 82 lbs max.

## Channel Assignment Matrix

The ILS-LM-4040 cabinet channel assignment matrix allows any circuit to be assigned to any dimming channel. When control stations are not present, loads (circuits) may be controlled manually from the matrix.

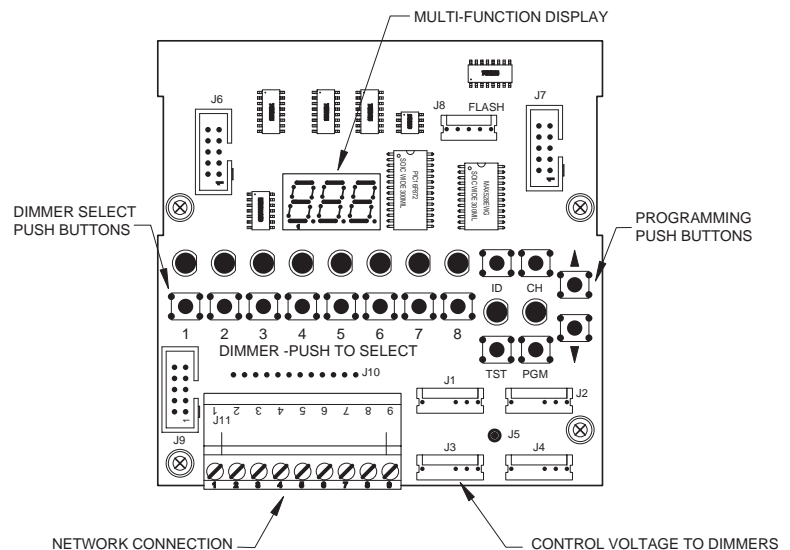
Additionally, the matrix provides 3-phase power sampling, which allows any circuit to be programmed for standby emergency operation.

The Smart Matrix accepts both the Lightolier® Controls ILS and DMX512 control protocols. Additionally, the cabinet can be controlled using analog 0-10VDC control.

The Multi-Segment display can be used to control and show channel assignments, indicate test mode, show dimmer output level in DMX steps from 1 to 255, or in percent from 1 to 100, non-dim settings, low end threshold setting\*, and emergency dimmer setting.

The Smart Matrix includes a Lytemode ILS network power supply, and provides 1.25A to power Lytemode network devices.

\*High end threshold setting (high trim) is facilitated via the actual dimmer module.



This product may be covered by one or more of the following U.S. Patents: #4,413,211; 4,430,576; 4,465,956; 4,733,138; 4,792,731; 4,880,950; 4,988,840; 4,992,709; 5,004,969; 5,128,654; 5,153,816; 5,189,259; 5,194,858; 5,239,255; 5,371,439; 5,371,444; 5,636,111; 5,642,104; 5,646,490; Des. 307,578; Des. 333,124; License 4,482,844 and corresponding foreign patents. Other Utility, Design and Foreign Patents Pending.

We reserve the right to change details of design, materials and finish in any way that will not alter the installed appearance or reduce function performance.

**Lightolier® Controls**  
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For technical/sales assistance, call: 1-800-526-2731  
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