



LCM-BL SERIES

Bi-Level Lighting Control Panel

APPLICATIONS

- Warehouses
- Gymnasiums
- Aircraft Hangars

DESCRIPTION

The **LCM-BL** series control panel is a cost-effective and easily configured stand-alone lighting control system with programming and accessories specifically optimized for high bay applications. The LCM-BL series can be program for Bi-level application.

The four line LCD screen prompts the user to enter photo sensor setpoint limits and time schedules which are saved in flash memory.

Adjustments to the settings and schedules can be made with pushbuttons on the controller face. The controllers are password protected so that program adjustments can only be made by authorized personnel. Time switch operations use the internal real-time clock. The battery backed real-time clock is accurate to one second/month and can be adjusted for drift. Time circuits are automatically adjusted for daylight savings time and leap year unless otherwise specified.

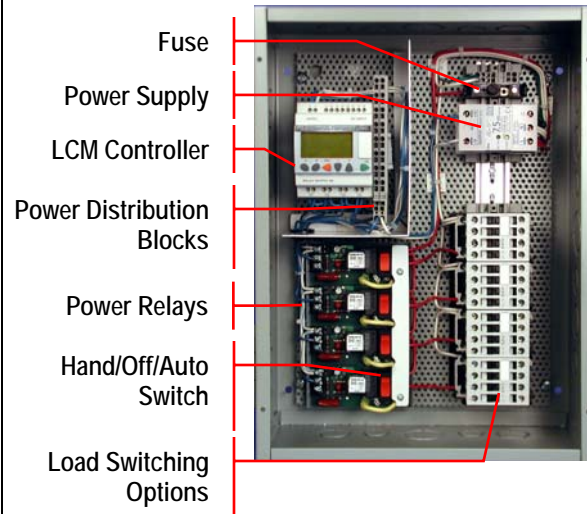
Advantages to the LCM-BL series are found in the system's stability, versatility, quality and accuracy. Once mounted, the sensor, power, and lighting loads need only to be wired and the LCM is ready to operate.

The controller has specific program application. These program applications are matched with the appropriate sensor to create optimal packaging and system efficiency.

CONSTRUCTION

The LCM controller has been designed with safety in mind. The processor is located in the low voltage compartment, ensuring safety during adjustment. The LCM controller is housed in a surface mount NEMA TYPE 1, hinged door, grey painted steel enclosure. High and low voltage components are separated by NEC/NFPA mandated voltage barriers. The entire assembly is constructed to ANSI/UL508A and CSAC22.2-14M91 standards and each unit carries an Electrical Testing Laboratories inspection label.

PROJECT	
LOCATION/TYPE	



FEATURES

- 2 or 4 Zones, with Photo, Time-clock, Switch and Sweep.
- Easy adjustment of On and Off set points using front buttons.
- Accumulated Run Time Hours are logged.
- Four modes of Operation: On & Off Override, Setup (No timers) and Auto (Full program).
- Standard 2 zones, circuits expandable in groups of two.
- Base system uses combination of Atrium, Indoor, Outdoor and Skylight photodiode sensors that can be calibrated as specified.
- Time-clock - 7 day two On and Off events per day.
- Time-clock - 7 day with optional after hour sweep.
- Internal Hand-Off-Auto (HOA) Switch.
- Input photo sensor time delay, prevents intermittent or false switching.
- Security Circuits, Photo On and Off.
- 1/2 hr Hold-On-Timer prevents High Intensity Discharge Lighting from short cycling.
- 2 year warranty.

SYSTEMS



PLC-MULTIPOINT, INC.

PHOTO LIGHTING CONTROL & SYSTEMS

TECHNICAL DATA - LCM-BL SERIES

Standard Package

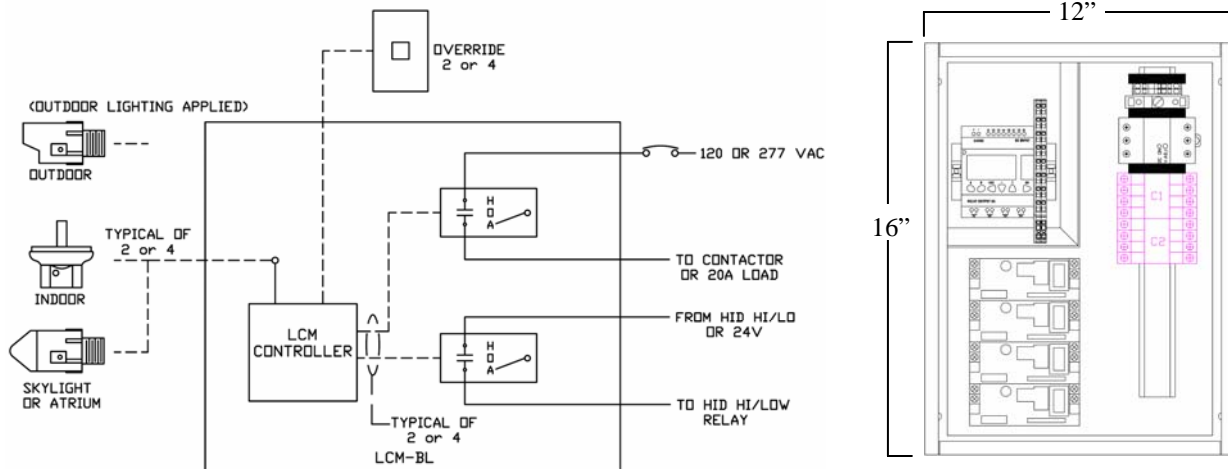
Input Voltage: 120/277 VAC standard
Output Channels: 2 or 4 - 20A relays controlling optional contactors.
Control Modes: Displayed on LCD Mode Screen:
SETUP: Photo setpoint control - No timers
AUTO: Photo sensor control with timers (ON at LOW, OFF at HIGH set points)
Input Delay: Photo sensor - 60 seconds (Setup mode override)
Hold-ON-Timer: 30-minutes. (Setup mode override)
Override Switch: Internal Hand/Off/Auto
Enclosure / Weight: NEMA1 - 16"Hx12"Wx6"D / xxlbs (Surface mount)
 NEMA1 - 24"Hx18"Wx6"D / 47lbs (Surface mount)

Options

Load Switching: 4- or 8-Pole Normally Open (NO) or 4-Pole Normally Close (NC) Contactors
Output: Bi-level HID
Indicators: Control Outputs displayed on I/O Screen.
Control Override: Low Voltage Remote Timer or Remote LED Pushbutton
Control Inputs: Photodiode **CES** Sensor (See CES Sensor datasheet).
Optional Enclosure: NEMA12 - Oil Tight

SYSTEMS

TYPICAL LCM-BL-02Z BLOCK DIAGRAM & ASSEMBLY DRAWING



ORDERING INFORMATION

LCM-BL- Z - C - V — **INPUT VOLTAGE:** 120VAC or 277VAC
NUMBER OF CIRCUITS: 4, 8, 12, 16, 20, 24, 28, 32
NUMBER OF ZONES: 2 or 4

ACCESSORIES See LCM-__ Series Accessories Selection Matrix (Listed Separately)