

CM831 - CM833

Vandal Resistant Fixture Ceiling/Wall Mount

We reserve the right to revise the design or components of any product without notice.

| | | |
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| CATALOG # | | TYPE |
| PROJECT/LOCATION | | |
| APPROVED BY | | |

SPECIFICATIONS

- DRIVER — Universal Voltage 120/277V Electronic Driver with 0-10V dimming is standard.
- EMERGENCY — Remote or Integral Emergency Battery (LED).
- GASKETING — High temp., non-aging black EPDM and/or neoprene rubber concealed in housing pocket & enclosed by cast-in drip shield & rear wire entrance hole to protect against outside contaminants.
- HOUSING — Heavy wall cast aluminum with wire access on four sides and back through threaded 1/2" conduit size entrance holes. Bronze oven baked Polyester Powder Coat.
- LIGHT ENGINE — Energy Efficient Light Emitting Diode (LED).
- LENS — Drop Square Prismatic (Standard on CM831) or .156" thick K12 Prismatic Polycarbonate (Standard on CM833).
- LENS FASTENERS — Stainless steel tamperproof screws (4) to secure lens in place.
- MOUNTING HOLES — 4-Point Mount: (4) 5/16" Diameter Holes For 1/4" Diameter Bolts. For Backbox (BB) option, Carriage Bolts must be used.
- REFLECTOR — .032 textured aluminum for high efficiency and reduce arc tube voltage rise.
- COMPLIANCE — Built to comply with U.S. and Canadian safety standards. Suitable for wet locations. **Made in USA / Buy America Compliant / Buy American Act.**



CM831 Series



CM833 Series



ORDERING INFORMATION

| Series | Wattage | CCT | CRI | Voltage | Finish | Options |
|--------|---------|-----|-----|---------|--------|---------|
| | | | | | | |

ORDERING GUIDE:

SERIES

- CM831 = Drop Square Lens (12³/₄" x 12³/₄" x 7¹/₂")
- CM833 = Flat Lens (12³/₄" x 12³/₄" x 4¹/₂")

WATTAGE

- Lumen Efficacy: 150 Lumens Per Watt (Nominal)
- LED25 = 25 Watt LED
- LED36 = 36 Watt LED
- LED40 = 40 Watt LED
- LED50 = 50 Watt LED

COLOR TEMPERATURE (CCT)

- 3K = ±3000K range LED
- 35K = ±3500K range LED
- 4K = ±4000K range LED
- 5K = ±5000K range LED

COLOR RENDERING INDEX (CRI)

- 80CRI = 80 Color Rendering Index (STANDARD)
- 90CRI = 90 Color Rendering Index (Not Available for 5K)

VOLTAGE

- 347 = 347 Volts
- UNV = Universal Volt (120-277v) Driver

STANDARD FINISH

- BK = Black Finish
- BZ = Bronze Finish (STANDARD)
- PNA = Painted Natural Aluminum
- WH = White Finish

PREMIUM UPCHARGE FINISH

- CC = Custom Color (Visit www.ralcolor.com)

LENS OPTIONS

- DS = Drop Square Lens (CM831 Only) - STANDARD
- DP = Premium Drop Pyramidal Lens (CM831 Only) - MOQ = 25pcs
- 81 = .156" K12 Prismatic Polycarbonate (CM833 Only) - STANDARD
- 92 = .187" Clear Polycarbonate (CM833 Only)
- OPL = Opal Flat Lens (CM833 Only)

PHOTOCELL OPTION

- 9328 = Photocell Button (120/277V)

CONTROL OPTIONS (Choose from Manual or Sensor)

MANUAL CONTROL (Wall Switch or Control System)

- Note: Cannot be used with Sensor Controls below
- Note: 0-10V (100-30%) Dimming is Standard
- D7A = 0-10VDC LED Dimming Driver (100-10%)
- D7B = 0-10VDC LED Dimming Driver (100-1%)
- BLS = Bi-Level Switching — Using 2 Drivers

OR

Sensor Control (Sensor Integral to Fixture)

- Note: Cannot be used with Manual Controls above
- Note: See Accessory Options for Required Remote Controller
- OCC = Occupancy Sensing | Motion Sensor Integral²⁰
 - Microwave / Single Feed / 120/277V Only
 - Standby Dim Level Presets: ON/OFF (0%/100%)
- BLD = Bi-Level Dimming | Motion Sensor Integral²⁰
 - Microwave / Single Feed / 120/277V Only
 - Standby Dim Level Presets: 10% / 20% / 30% (Standard) / 50%

MISC OPTIONS

- FUS = Single Fusing
- DFUS = Double Fusing

EMERGENCY BATTERY OPTIONS ²⁰ ²¹

Meets California Energy Commission Title 20:

(CEC-400-2014-009-CMF) Efficiency Standards

- EL8W = Integral LED 8 Watt
- EL10W = Integral LED 10 Watt
- EL16W = Integral LED 16 Watt

- REL8W = Remote LED 8 Watt
- REL10W = Remote LED 10 Watt
- REL16W = Remote LED 16 Watt

Cold Weather Emergency Batteries:

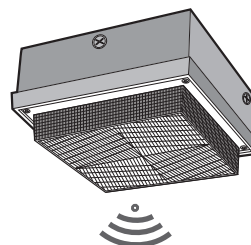
- Operating Temp: -20°C thru 50°C / NON-CEC
- EL10W-CW = Integral LED 10 Watt (Cold Weather)
- REL10W-CW = Remote LED 10 Watt (Cold Weather)

ACCESSORY OPTIONS (order as a separate line)

- 9002 = Tamperproof Screwdriver
- REMT0019 = Remote Controller for Sensor Options

NOTES:

- ²⁰ Max mounting height of fixture with Motion Sensor is 18' feet.
- ²¹ Max WHIP length provided by the Factory with the REL (LED) is 8 feet
- ²² Due to form and fit, final selection of the Battery Pack under discretion of Factory.



Wireless Remote Control (REMT0019)

For Use with Motion Sensor Options

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Vandal Resistant Fixture
Ceiling/Wall Mount

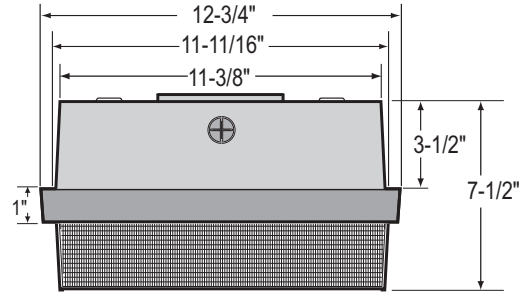
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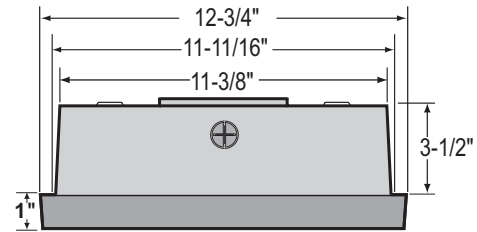
DIMENSIONS



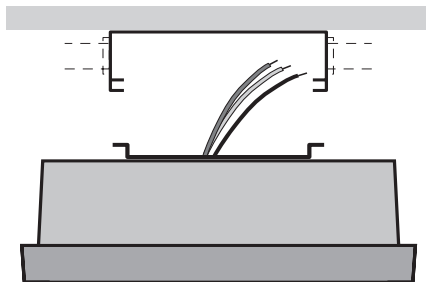
CM831 Series



CM833 Series

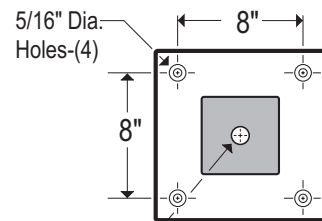


MOUNTING OPTIONS



Optional
Rapid Mount Box (RMB)

MOUNTING DIMENSIONS



NOTE: (1) 7/8" Diameter
Water Tight Knockout
In Center Of Back