

Obsolete



### M2012-27CK-6EU-F

#### APPLICATION and PERFORMANCE SPECIFICATION

**Description:** Mini Square - electronic low frequency square wave ballast for 20W metal halide lamps

- Line Voltage: 120 - 277vac , ±10%, 50/60Hz
- Microprocessor controlled
- RoHS Compliant
- Mounting type: Feet - side lead exit
- Resonance Start
- Active power factor correction
- Abnormal operation shutdown circuit: Line voltage must be reset

\*60 Hz data

Lamp		Volts	Input Watts	Nominal Line Amps	Power Factor	Ballast Factor	Harmonic Total	Crest Factor
ANSI Type	#							
M156/C156	1	120	24	0.21	> 95%	1.00	<6%	<1.5
	1	277	24	0.09	> 90%	1.00	< 15%	<1.5

**Ballast Order Code:** 188901

**Performance:**

- Meets ANSI Standard C82.14-2006
- Meets ANSI Standard C62.41-1991
- Meets FCC Part 18C for EMI & RFI (non-consumer)
- EOL Protection

**Safety:**

- No PCBs
- cUL<sub>US</sub> Listed (Outdoor Type 1)
- Thermal Protection

**Application:**

- Minimum Starting Temperature: -15°C/+5°F
- Maximum Case Temperature: 85°C/ 185°F
- Sound Rated: A
- Remote Mounting: 15 feet

**Physical Parameters**

- |                               | Inches/Metric |
|-------------------------------|---------------|
| • Overall Length:             | 3.74"/95.1mm  |
| • Width:                      | 2.98"/75.6mm  |
| • Height:                     | 1.24"/31.5mm  |
| • Weight:                     | 12 oz         |
| • Lead lengths: All           | 10"/254mm     |
| • Lead stripping:(Tinned) All | .375"/9.53mm  |

Each lamp's lead wires must be run in a separate minimum 1/2" ID conduit from the input leads to achieve good EMI performance and maximum remote capabilities. Individual, unbundled lead wires must be used for extension wiring using wire types SF-2 or SFF-2 or equivalent. Power cords and MC cables are not acceptable extension wiring methods.

**Warranty:**

Universal Lighting Technologies warrants to the purchaser that each electronic ballast will be free from defects in material or workmanship for a period of 3 years from date of manufacture when properly installed and under normal conditions of use. The normal operation of 4000 hr./yr. is used for the warranty period. Longer operating times will adjust the warranty period accordingly. For extended warranty periods greater than 36 months, call 1-800 BALLAST for fixture testing instructions.

**Manufactured in North America**

