

# M10012-27CK-5EU-F

## APPLICATION and PERFORMANCE SPECIFICATION

**Description:** Standard Size - electronic low frequency square wave ballast for 100W 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

Lamp		Volts	Input Watts	Nominal Line Amps	Power Factor	Ballast Factor	Harmonic Total	Crest Factor
ANSI Type	#							
M/C90	1	120	110	0.94	> 95%	1.00	< 8%	<1.5
M/C140 C191	1	277	107	0.42	> 94%	1.00	< 11%	<1.5

\* Consult with ULT TES engineers for lamp compatibility

**Ballast Order Code:** 188169

**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: 80°C/ 176°F
- Sound Rated: A
- Remote Mounting: 15 feet

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.

**Physical Parameters**

- |                               | Inches/Metric |
|-------------------------------|---------------|
| • Overall Length:             | 5.51"/140.0mm |
| • Width:                      | 3.62"/92.0mm  |
| • Height:                     | 1.57"/39.9mm  |
| • Weight:                     | 20 oz         |
| • Lead lengths:               | 10"/254mm     |
| • Lead stripping:(Tinned) All | .375"/9.53mm  |

**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**

