

M5012-27CK-5EU-F

APPLICATION and PERFORMANCE SPECIFICATION

Description: Standard Size - electronic low frequency square wave ballast for 50W metal halide lamps

- Line Voltage: 120 - 277vac , $\pm 10\%$, 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 | # | | | | | | | |
| M148/M110 | 1 | 120 | 56 | 0.48 | > 95% | 1.00 | < 10% | < 1.5 |
| | 1 | 277 | 55 | 0.21 | > 95% | 1.00 | < 20% | < 1.5 |

* Consult with ULT TES engineers for lamp compatibility

Ballast Order Code: 188612

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
- cULUS Listed (Outdoor Type 1)
- Thermal Protection

Application:

- Minimum Starting Temperature: $-15^{\circ}\text{C}/+5^{\circ}\text{F}$
- Maximum Case Temperature: $80^{\circ}\text{C}/176^{\circ}\text{F}$
- 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.

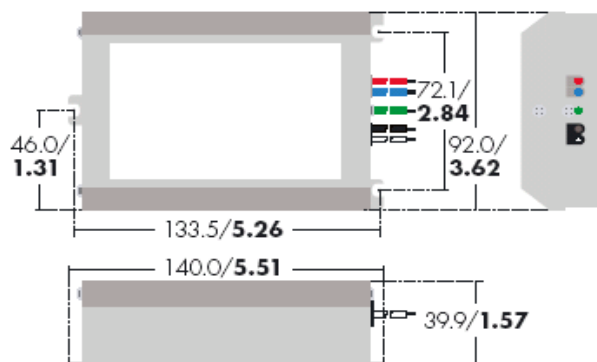
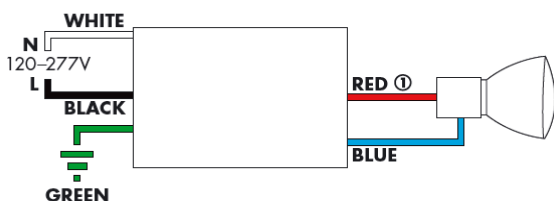
Physical Parameters

- | | 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



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