

## Electronic Ballast For HID Lamps

**100-120V**



### Approval Marks



### Certified

EN 61347-1 : 2008  
EN 61347-2-12 : 2005

### Product Specification

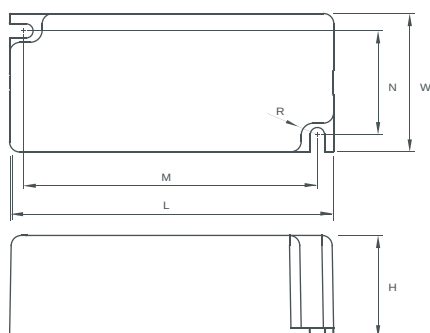
| Parameter                                        | Conditions                       | Min    | Nom   | Max   | Unit  |
|--------------------------------------------------|----------------------------------|--------|-------|-------|-------|
| Lamp Power                                       | 25°C, Nominal Input              | -      | 20    | -     | W     |
| Input Power                                      | 25°C, Nominal Input              | -      | 24    | -     | W     |
| Rated Input Voltage                              | 25°C                             | 100    | 110   | 120   | V     |
| AC Input Voltage Range with Tolerance For Safety | 25°C                             | 90     | -     | 132   | V     |
| Input Frequency                                  | 25°C, Nominal Input              | -      | 50-60 | -     | Hz    |
| Input Current                                    | 25°C, Nominal Input              | -      | 0.22  | -     | A     |
| Power Factor                                     | 25°C, Nominal Input              | 0.54   | 0.57  | 0.60  | -     |
| Operating Frequency (Square Wave)                | 25°C, Nominal Input              | -      | 120   | -     | Hz    |
| Ignition Voltage                                 | 25°C, Nominal Input              | -      | 3.00  | 4.00  | KV    |
| Withstand Voltage Test                           | 1500V; 1min                      | -      | 5     | -     | mA    |
| Operating Ambient Temperature                    | Nominal Input                    | -15    | -     | +50   | degC  |
| Max Allowed Case Temperature                     | Nominal Input; Normal Conditions | -      | -     | +75   | degC  |
| Average Service Life                             | at 40°C ambient                  | 50,000 | -     | -     | hours |
| Failure Rate Per 1000h Operation                 | at 40°C ambient                  | -      | -     | 0.20% | -     |
| End - Of - Life Protection                       |                                  |        | Yes   |       |       |
| Automatic Shutdown In Case Of Lamp Failure       |                                  |        | Yes   |       |       |
| Thermal Protection                               |                                  |        | Yes   |       |       |

**Lamp Type** GE CMH 20W Lamp x 1

### Application Space

Indoor Use  
(Low Humidity, No Condensation)

### Physical Parameter



L : 95 mm    H : 30 mm  
 M : 85.4 mm    K :  
 N : 30.4 mm    R : 2.1 mm  
 W : 40.6 mm    Slot On One Side Allowing Alignment : M +/- 3 mm  
 Tolerance :  $\geq 0 \sim 100 \geq \pm 0.5$  mm  
                    $100 \sim \geq \pm 1$  mm  
 Hard Wires : PRI : GreenYellow / White / Black 310mm / AWG#18  
                   SEC : Blue / Red 310mm / AWG#18  
 Housing Material : Polycarbonate  
 Soldering : Lead-Free, Comply With RoHS  
 Label : Surface Print

### Wiring Diagram

