



EHID - Electronic HID Ballasts 50W-250W PLC, MidNight & DALI

Technical Features - Summary

Special features:

- Lamp operates at Low Frequency Square Wave (83Hz)
- Precise PULSE ignition regime
- Continuous dimming (HPS lamps down to 35%, MH lamps down to 50% - of nominal power)
- Exceptionally low ballast losses
- Same ballast operates all types of lamps: MH (quartz & ceramic), HPS and Mercury lamps
- Complete digital control by a single microprocessor

**Electrical input data:**

- 220-240V $\pm 10\%$ 50-60Hz / DC
- No inrush current
- Constant power consumption
- PF > 0.98

Electrical output data:

- Ignition Voltage - 4Kv pulses
- Max line load cap. 250pF - 2.5 Meter
- Lamp current - LFSW (83Hz)
- Stable lamp power output

Ballast protection:

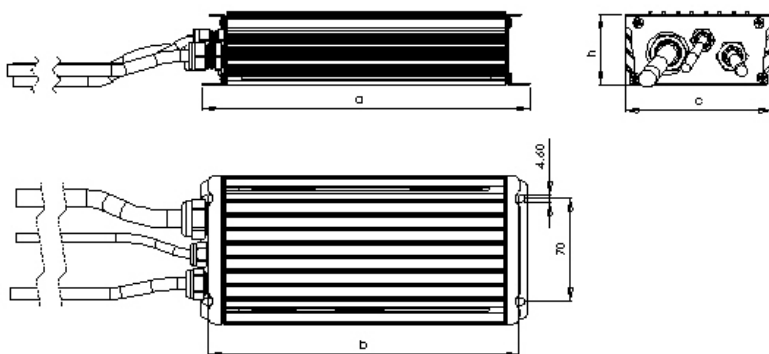
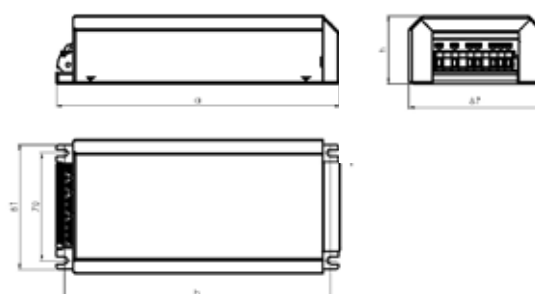
- Protection at end of lamp's life (EOL):
DC, cycling, ignition failure, external arc, etc.
- Protection at abnormal mains conditions (over-voltage, under-voltage)
- Protection at lamp short circuit
- Fuse protection

Temperature control:

- Automatic power reduction when internal temperature > 85°C
- Total shutdown when internal temperature > 90°C

Standards and compliances:

- Products and company complies with:
 - Quality standard - ISO 9001
 - Environmental standard - ISO 14001
 - RoHS Directive
 - VDE
 - CE Marking
- EN 61347-2-12 Safety
- EMC: EN61000-3-2, EN55015, EN61547
- IEC 62368 (DALI)

IP65**IP20**

For specific dimensions and characteristics of each ballast, please refer to the full ballasts catalogue.