

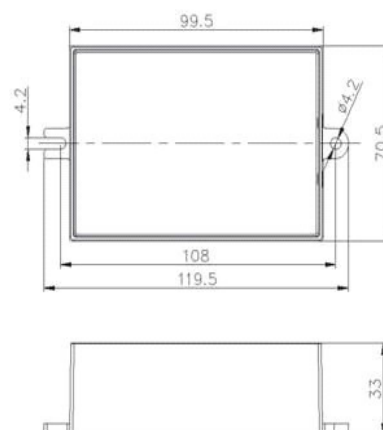
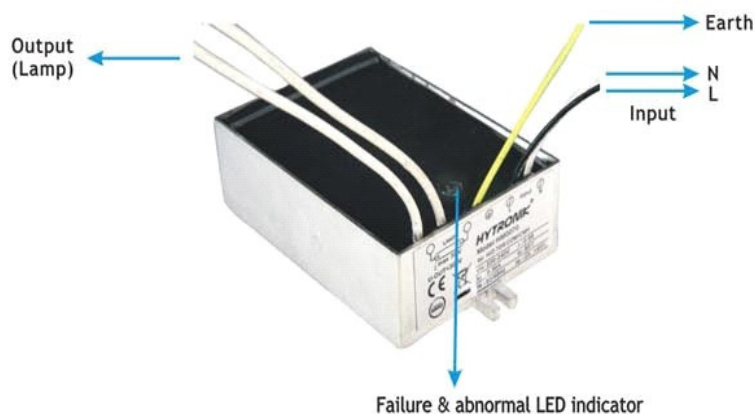


## HID BALLAST 35W

Model: HM0035

## HID BALLAST 70W

Model: HM0070

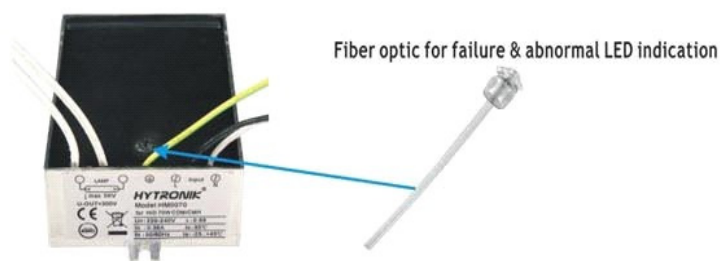


### Product highlights:

- \*Steady lamp performance by mains fluctuation and lamp tolerance.
- \*Constant lamp power output and stable lamp colour temperature.
- \*Abnormal protection against empty load, overheat, lamp end of life, lamp operation voltage too high or too low. Restart on removing of obstacles and power reset.
- \*Suitable for CDM, CMH, and HCL.
- \*Pulse interval ignition.
- \*Over 90% lumen factor during the lamp life.
- \*Comprehensive energy saving by 35%.
- \*High power factor; EEl = A1.
- \*50,000 service hours at Tc max.

### Failure & abnormal diagnose and indication

The MCU is programmed with diagnosis on failure and abnormal operation. The MCU monitors the fixture and can send error signals to a LED on the ballast. The signal is carried through an optical fibre to a Lens on the enclosure of the fixture. The signal is displayed as a number of red flashes which indicates different errors.



The error signals are indicated in 10 second intervals and 1 second between each flash.

### Failure & abnormal error codes

No. of flashes	Error type	Error description	Action
•	no failure	starting lamp	no action
••	over-heat	ballast gets too hot	analyze reason
•••	lamp failure	ignition timed out	analyze reason
••••	lamp failure	lamp End of life	change lamp
•••••	lamp failure	lamp voltage is too low	change lamp
••••••	Lamp failure	lamp voltage is too high	change lamp
•••••••	ballast failure	ballast doesn't work	change ballast

Apart from the error signals, the LED also displays a single steady signal when the fixture tries to ignite the light source.

### Model: HM0035 Technical parameters:

Input voltage:	220—240VAC
Input current:	0.20A
Lamp power:	37W (max)
Supply frequency:	50/60Hz
Power factor:	>0.96
Lamp output frequency:	230Hz
Ta:	- 20~ + 55℃
Tc:	85℃
Ignition voltage:	max. 4Kv.
Output wire length:	3 M (max)
Dimension (length*width*height) :	99.5*70.5*33mm
U-OUT	300V

### Model: HM0070 Technical parameters:

Input voltage:	220—240VAC
Input current:	0.37A
Lamp power:	73W (max)
Supply frequency:	50/60Hz
Power factor:	>0.97
Lamp output frequency:	230Hz
Ta:	- 20~ + 50℃
Tc:	85℃
Ignition voltage:	max. 4Kv.
Output wire length:	3 M (max)
Dimension (length*width*height) :	99.5*70.5*33mm
U-OUT	300V

### Approvals and standards:

This ballast is tested and approved according to EN61347-2-12,EN61347-1,EN55015,EN61547,EN61000-3-2,EN61000-3-3.