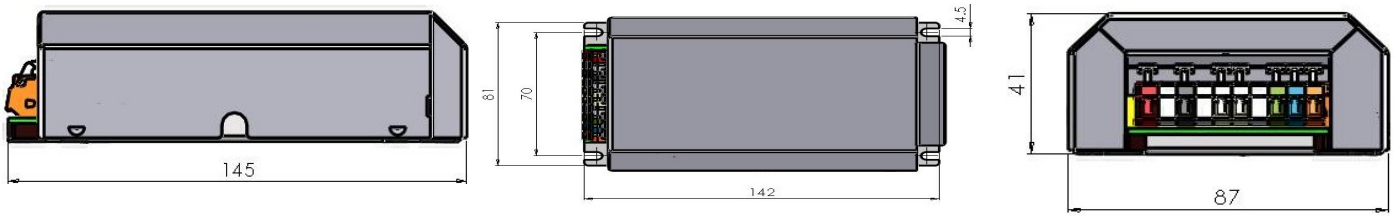
EHID - Electronic Ballasts for HID Lamps

EHID 70W –Technical Datasheet - IP30 Case

Lamp			Ballast									Line
Rated Power	Type	Rated Current	Frequency	Type	Current (@230V)	Losses	Ta	Tc	Wt.	Ref.No.	Control	Input Power
W			Hz		A	W	ºC	ºC	Kg.			W
70W	HPS/MH	0.98	83 (Sq. wave)	EHID 70W	0.32-0.35	6	55	70	0.52	800.070	-	79
										801.070	DALI	
										802.070	MidNight	



Technical Features – Summary

Electrical Input Data:

- 220-240V ±10% 50-60Hz / DC
- No inrush current
- Constant power consumption
- PF > 0.98
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Electrical Output Data:

- Ignition voltage- 4Kv pulses
- Lamp current – LFSW (83Hz)
- Stable lamp power output

Protections:

- Protections at end of lamp's life (**EOL**): DC, cycling, ignition failure, external are, etc'
- Protections at **abnormal mains** conditions (over-voltage, under-voltage)
- Protections at lamp **short circuit**
- Fuse protection
- IP 65 casing is available

Temperature control:

- Automatic **power reduction** when internal temperature exceeds 85ºC
- Total **shutdown** when internal temperature exceeds 90ºC

Special features:

- Continuous dimming (HPS lamps - down to 70% of nominal power, MH lamps - down to 50% of nominal power)
- Lamp operates at low frequency square wave (83HZ)
- Precise ignition regime
- Exceptionally low ballast losses
- Operate all types of lamps: MH (quartz & ceramic), HPS and Mercury lamps
- Complete digital control by single microprocessor

More information available:

- Introduction leaflet
- Communication datasheet
- Manual guide
- MidNight guide