



昌盛光電有限公司

Prosper OptoElectronic Co., Ltd.

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Ballast Specification: (for general 35W Model)

1. Operating temperature	-40°C ~ 105°C
2. Steady state light output	>3000 lumens typical, bulb type dependent
3. Turn On light output	>50% at 2 sec, > 80% at 4 sec.
4. Expected ballast life	>10000 hours typical
5. Radiated EMI susceptibility	EN55022(CLASS A)
6. Radiated EMI emissions	ECE Standard (E13*10R00*10R02*9715*00)
7. Cooling	Conductively cooled

Electrical Output

8. Output waveform	400 ±50 Hz Square wave
9. Steady state output power	36.0 +2.0 W / -1W
10. Open Lamp circuit protection	Latch off after 1.5 sec max (Approx 20 strikes)
11. Short circuit protection	Latch off after 1.5 sec max
12. Maximum output current	2.9A initial lamp on, 1.5A next 2 sec 0.5A after 1 minute
13. Maximum output power	85W (for 35w output)
14. Steady state output volts	60 to 120 Vac
16. Striking Voltage	>23,000 V(for H1~H13; 9004~9007; D2/D4 series) >1,200 V(for D1 series)
17. Flickering	No flickering (@ Blubs at steady state)

Electrical Input

18. Steady state input voltage	+8V to 16V DC (for 12V Battery system) +18V to 32V DC(for 24V Battery system)
19. Max. In rush current	35A@50ms, 7A at 2 sec decreasing to Steady State within 30 sec
20. Max. steady state input power	42W (8 to 16V) 42W (18 to 32V)
21. Input turn on	8 V and above (for 12V Battery system) 18 V and above (for 24V Battery system)
22. Input turn off	Below 6 V (for 12V Battery system) Below 18 V (for 24V Battery system)
23. Reverse voltage protection	No damage to ballast with -30V
24. Conducted EMI susceptibility	Per GM9105, and GM9116
25. Conducted EMI emission	Per GM9115



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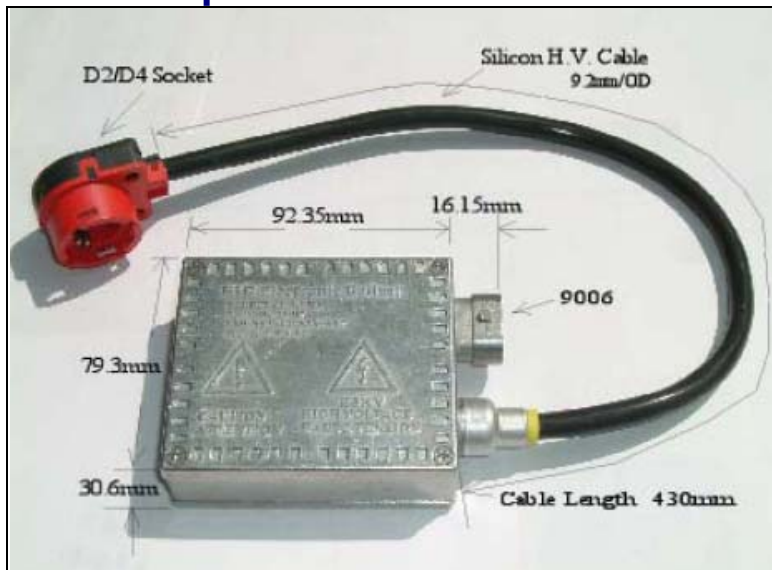
System Protection Function

28. water proof	Full water proof @ under water 1 meter
29. System Protection	Over Voltage Protection @input and output Over Current Protection @input and output Over Temperature Protection @ 110°C (optional function) Input Voltage Reverse Protection

System Information

30. Dimension	92.5(L) x 79.5(W) x 30.5 (H) (unit : mm)(tolerance ± 0.5mm)
31. Weight	385g ± 15 g (not include the XENON Blub)
32. High Voltage Cable Length	46cm ± 2 cm (AMP Series) and 43cm ± 2 cm (D2/D4 Series) 5 Meter_ Maxiam (for All type) (Other Special Design by Customer Demand)

For Example : Dimension Measurement



Gear Weight : **384.6g**
 Gear Dimension :
92.35(L) X 79.3(W) X 30.6 (H) mm
 H.V. cable O.D. : **9.06mm**
 H.V. cable Length : **430mm**
 (from Gear case edge to Socket edge)
 9006 connector depth : **16.15mm**
 Output Socket : **D2 / D4**

HID Bulbs Specification Select Guide :

- Socket Base Type(single bulbs) : **H1/H3/H4/H5S/H5T/H7/H8/H9/H10/H11/H13 (Normal 35W / 50W)**
9004/9005/9006/9007 (Normal 35W / 50W)
D1S/D1R/D1C (only 35W)
D2S/D2R/D2C (35W and 50W)
D4S/D4R/D4C (only 35W)
- Socket Base Type(Double bulbs) : **H4D/H13D/9004D/9007D (only 35W)**
- Socket Base Type(special bulbs) : **H4T (35W and 50W)**
H4H (only HID 35W + Halogen 35W)
- Bulbs Power Consumption : **5W/10W/18W/21W/24W/32W/35W/50W**
 Bulbs Color Temperature : **3K/4K/6K/8K/10K/12K/15K**
 Bulbs Average Life Time : **3000hrs (typical)**