

EP81200AC-F1

金卤灯电子镇流器

Electronic Lamp Power Supply



电气特性	Characteristics
功率因数 ≥ 0.95	Power factor ≥ 0.95
恒功率控制延长灯泡使用寿命	Constant lamp power over service time by power regulation
提高灯泡输出亮度	Increased light output
灯泡可以通过光耦控制开或关	Lamp on/off via opto coupler



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EP81800AC-F3 Options

Type	Order No.	Output/W	Lamps
EP81200AC-F1	EP81200AC-F1	1200	

Technical data

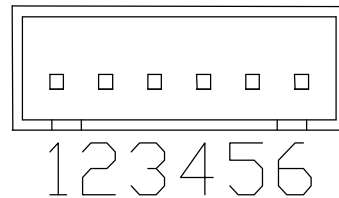
Wide range mains voltage	208-240V
Line frequency	47-63Hz
Open circuit voltage	Approx.280V
Lamp voltage	95-130V,120Hz square wave
Current ripple	<4%
Earth leakage current 220V ,50-60Hz	<0.7mA
Dimming range	580~1200w
frequency range	50~1000Hz
Efficiency	>0.9typ. at 220V, 0.85typ. at 180V
Power fluctuation in lamp arc/mains	±5% / ±1%
Ambient temperature	50℃ forced cooling required
Output power tolerance	±5%
EMI	Internal noise filter
Maximum dimensions	L×W×H 205mm×125mm×60mm

Subject to changes without notice

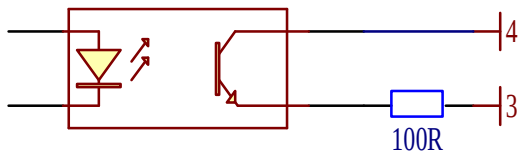
Connector wiring

ATTENTION

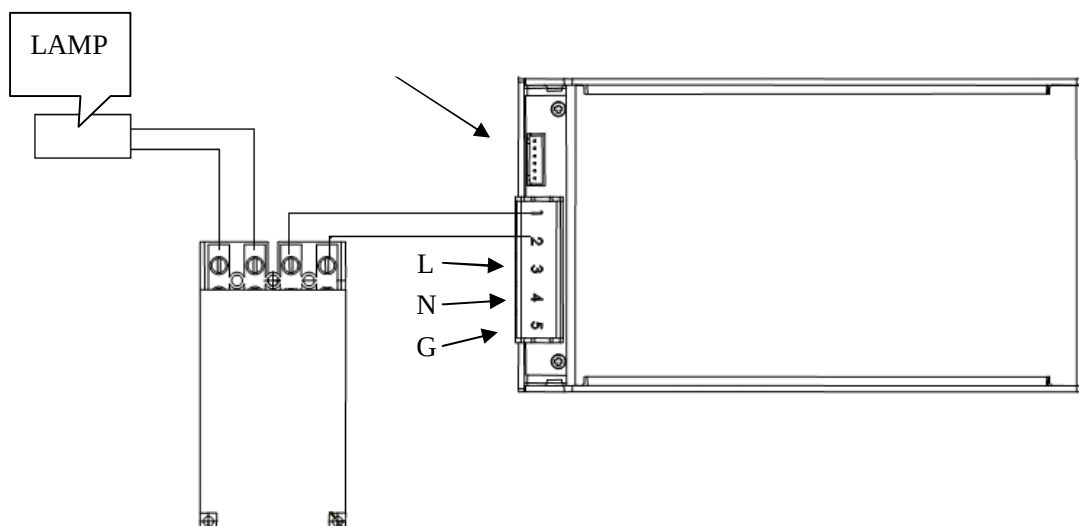
For wire ignitors connect J9



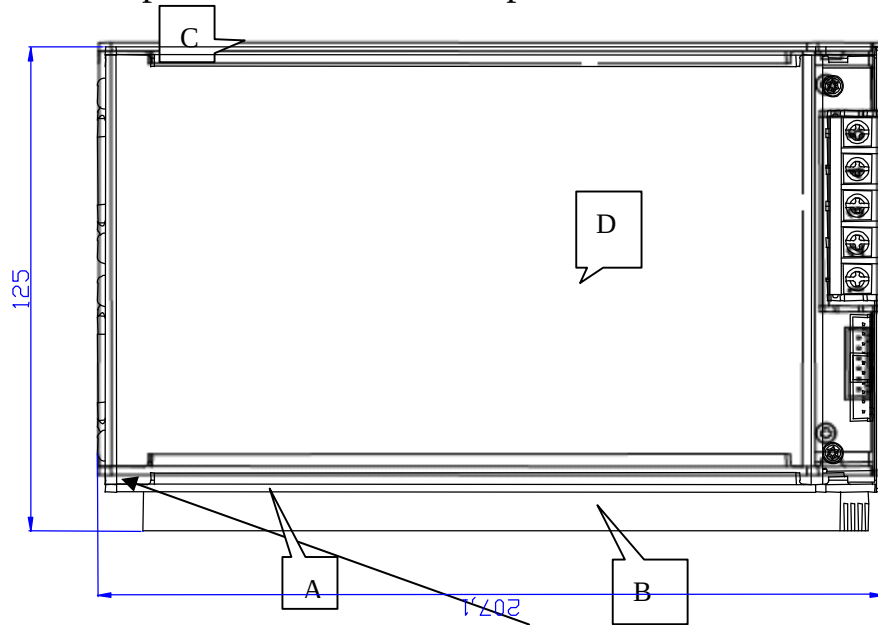
- | | | |
|-----|-------------|--------------------------|
| 1—2 | 1.Ground | 2.Dimmer |
| 3—4 | Lamp Status | Lamp Out 4.3on |
| 5—6 | 5.Ground | 6.On-Off (5V ON, 0V Off) |



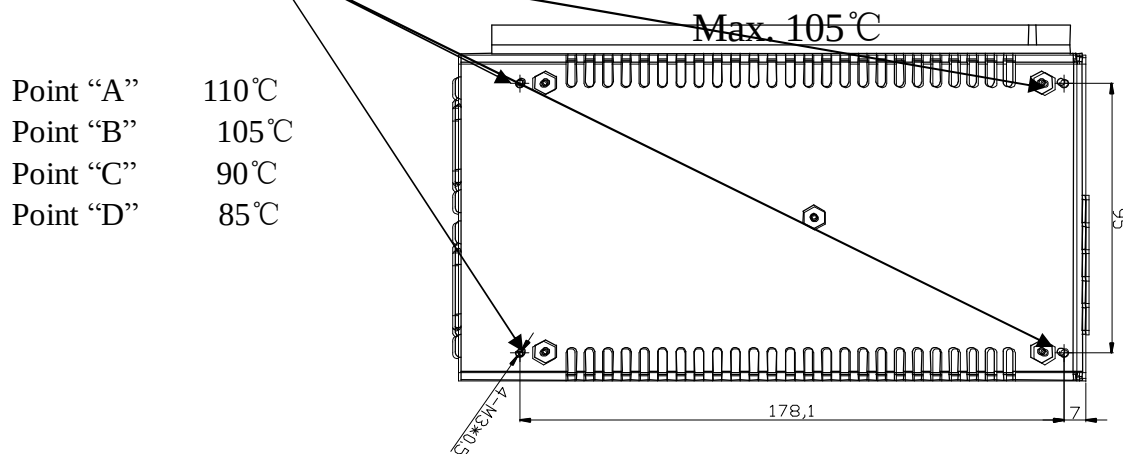
Lamp Status



Mounting Details and Temperature measurement points



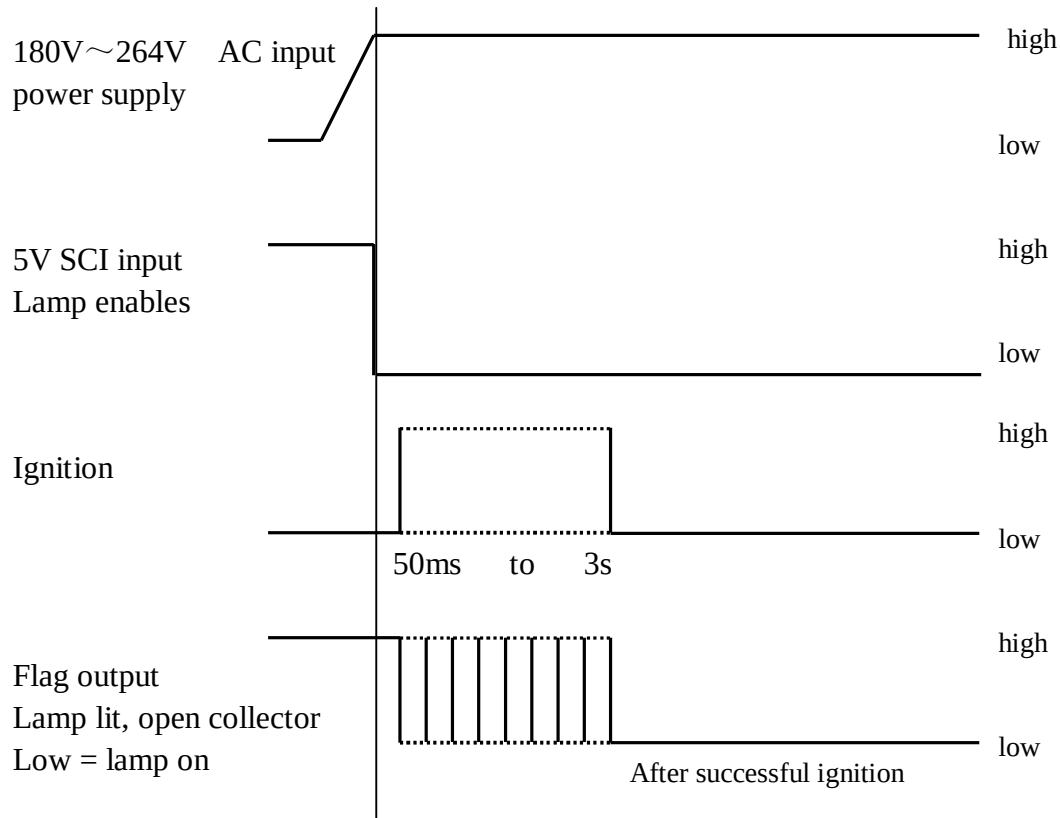
4 × M3 × 5MM Temperature measurement points



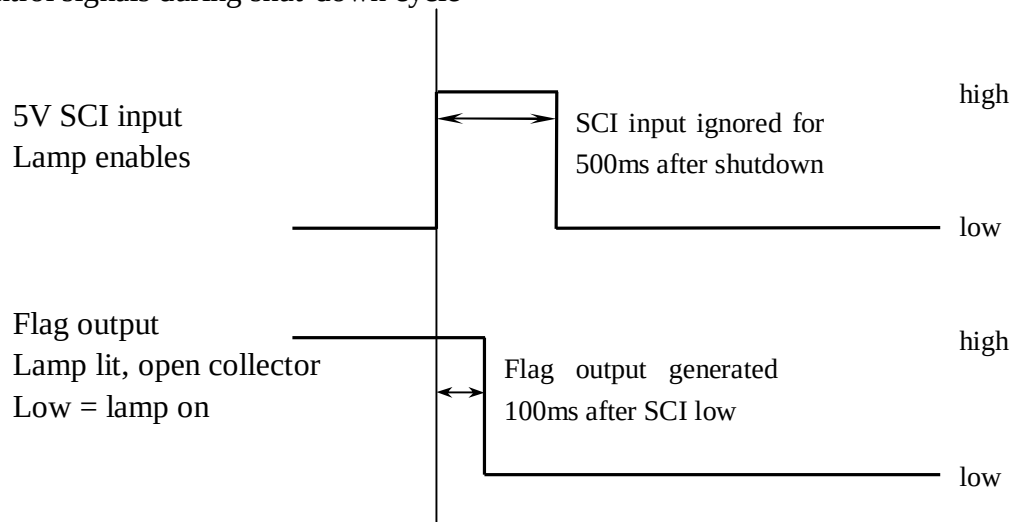


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Control signals during start cycle



Control signals during shut-down cycle

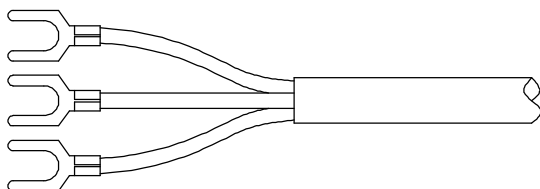




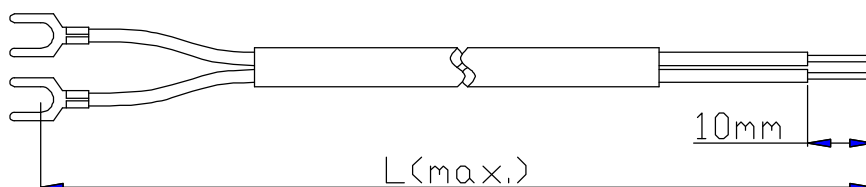
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Ballast wire preparation:

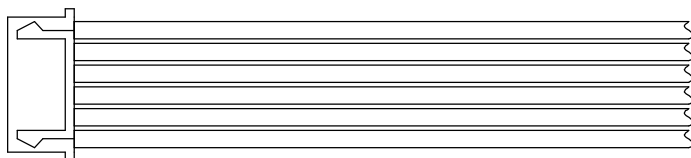
Power input wire: AWG12



Ballast output wire (Ignitor input wire) : AWG12 L=1500MM



Control signal wire: AWG28

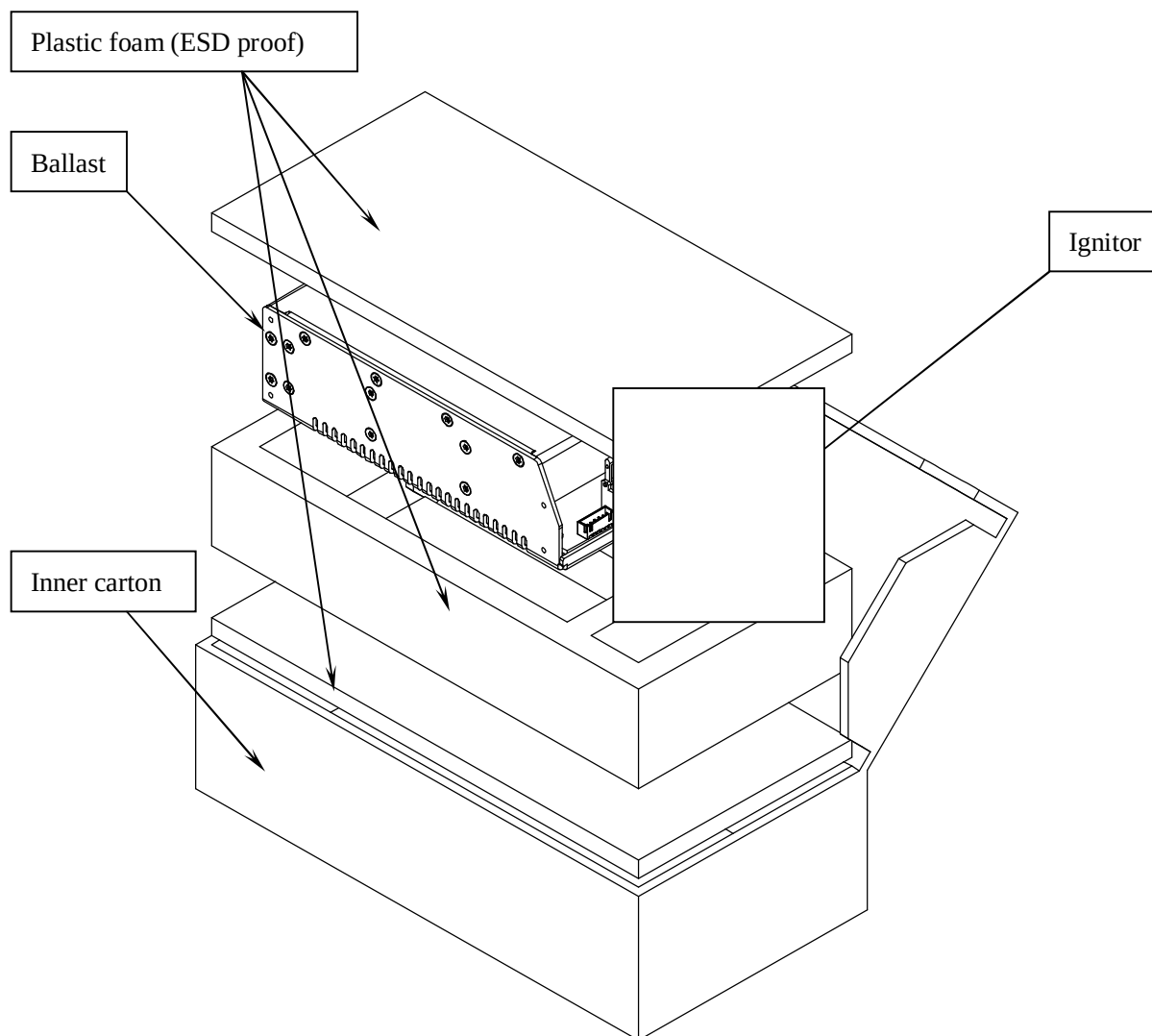




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Packaging

1 inner carton package 1 ballast & 1 ignitor



Ignitor :Tc 95℃
HV 4.5KV



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注意事项

在未仔细阅读本注意事项之前，请勿轻易处理或操作电子镇流器。如您不了解电子镇流器的特性，请联系本公司。

触发器的高压达到 4.5KV，电磁波辐射干扰会对人体及敏感的电子设备造成伤害在操作时不要接触导电体。

电子镇流器及触发器千万不可在容易产生爆炸或易燃的环境下安装及工作，别让镇流器或触发器靠近易燃的气体及液体，注意别让其在潮湿或太多灰尘的环境中，不然很容易产生短路或是起火。

在户外使用电子镇流器及触发器之前，必须先进行额外的测试和遵守特殊要求。如不确定，请联系本公司。

在电子镇流器的输入和输出之间未作隔离，因此任意一个输出端直接或间接接触 GND 均会损坏镇流器（此状况不提供保修）

只允许专业人员对该组件进行安装和修理。

对该电子镇流器进行现场测试时应格外小心，必须使用隔离变压器。

注意要为电子镇流器和触发器提供良好的冷却条件。

本公司对忽视该注意事项、不正确使用电子镇流器和触发器或者忽视任何法规要求造成的后果不负任何责任。本产品所作之技术改进将不预先通知。

Warning Notice

Do not attempt to handle or operate an electronic power supply (EPS) and ignitor before completely reading and understanding this notice. Contact EPE if you are uncertain of characteristics of these devices.

The ignitor produces starting voltages of up to 4.5kV and electromagnetic radiation interference, which are hazardous to personnel and sensitive instrumentation. Do not touch any conductive parts during operation.

Both electronic lamp ballast and ignitor must never be installed or operated in an explosive or volatile atmosphere. Never use the ballast or ignitor near flammable gases or liquids. See that there will be no moisture, dust or similar which could lead to short circuits or fire.

Before using the ballast or ignitor in any kind of outdoor application you have to take additional measures and observe special requirements. If you uncertain, contact EPE.

No potential isolation is provided between line input and output. Accidentally grounding of an output terminal by direct contact or arcing to GND can damage the unit (no warranty replacement).

All installation and repair work on this unit is only permitted by qualified personnel.

Extreme care must be taken when testing the unit live. The use of an isolating transformer is mandatory.

Please provide sufficient cooling condition for EPS and ignitor.

EPE does not assume liability for disregarding of this notice, incorrect use of the EPS and ignitor or disregarding of any legal requirements. This product is subject to technical changes without prior notice.