HanleyLED™

SUPERIOR SERIES: H240W-SD-12 SPEC SHEET

Superior Premium Power Supply

Superior Series

H240W-SD-12

Safety Certification

E350828 · 301535 · E487794 · IP68 · RoHS

Features
- High performance 12 volt superior power supply
- IP68 - indoor/outdoor use, dry and damp locations
- Wire protection with UV protected jacket & strain relief
- Variable input voltage: 100-277Vac
- Working temperature: -30°C ~ +60°C
- OVP, OCP, SCP, OTP protection function
- Rating: Class 2, for use with LEDs and LED signage
- UL Retrofit Kit Classified

Output Characteristics

Rated Output Voltage	12V
Rated Output Current	5A X 4
Rated Output Power	240W (60W per leg)
Output Voltage Accuracy	±5%

Input Characteristics

Input Voltage Range	90 ~ 305Vac
Input Frequency Range	50HZ ~ 60HZ
Input Current	1/277Vac
Inrush Current (cold start)	≤100A
Efficiency	≥92%
Power Input	1.5A Max

Protective Characteristics

Over-Current Protection
Short-Circuit Protection
Over-Voltage Protection
Over-Temperature Protection

Warranty

Product	Labor
7 years	5 year labor if paired with HanleyLEDs 1 year labor with any other qualified LEDs

Environmental Characteristics

Working Temperature	-40° ~ +50°C
Working Humidity	20 ~ 95% RH (non-condensing)
Storage Temperature	-40° ~ +80°C
Storage Humidity	10 ~ 95% RH
IP Rating	IP68
Vibration	10 ~ 500HZ, 5G 30 minutes (for X, Y, Z each axis)

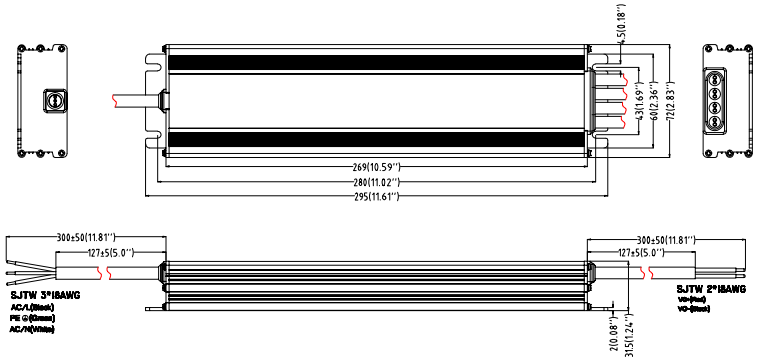
Safety and EMC

Safety Rating	IP68, Class 2
Dielectric Strength (Hi-Pot)	I/P-O/P 3.75KVac/10mA/3S I/P-Case 1.8KVac/10mA/3S
Insulation Resistance	100MOhm Max/500Vdc/3S
Grounding Resistance	100m0hm Max
EMC	FCC part 15classB

Other Characteristics

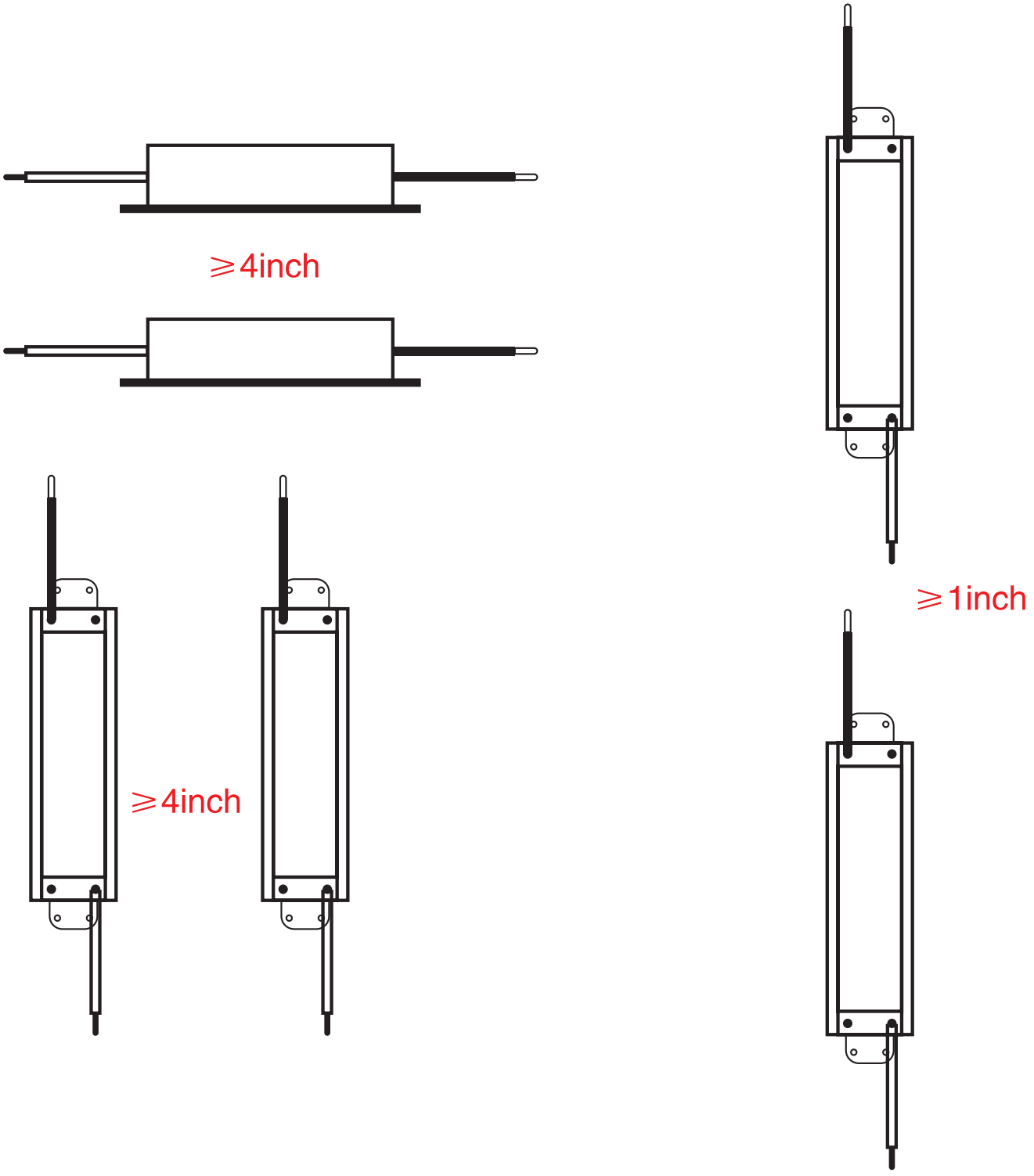
MTBF	70000hrs. MIL-HDBK-217F(25°C)
Size	269*72*31.5mm | 10.5*2.8*1.2in (L*W*H)
Weight	1.2KG | 2.64LB

Profile Drawings



- Ensure that the ground wire is properly grounded and ensure it does not come into contact with the neutral wire.
- Ensure the power supply position has sufficient airflow. Operating temperature must be between -30°C to +60°C.
- Do not overload the power supply with multiple appliances.
- Power supply operates at high temperature. To avoid injury, do not touch while in use.
- Do not install with power connected or during an electrical disturbance.
- Do not attempt to install by yourself. Please contact the supplier with any questions.
- Please read and follow the instructions carefully before installing. Ensure all contact points are in good working order.
- Please pay attention to the environment, and check for any unsafe conditions.

Spacing Between Power Supplies



UL 48 Standard requires spacing between LED power supplies shall be at least 1 inch from end to end and 4 inches from side to side. This is to ensure adequate heat dissipation. Greater spacing may be required when heat ventilation in the sign or power supply enclosure is not adequate.