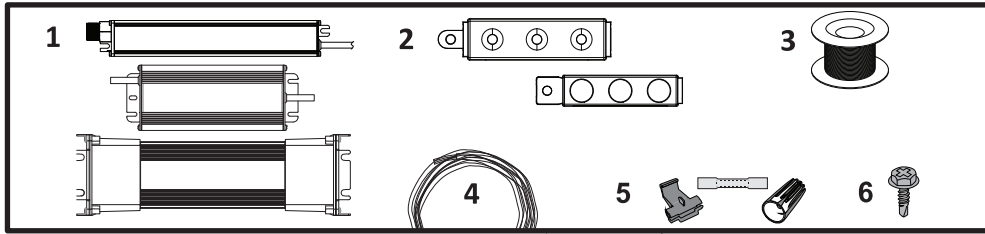
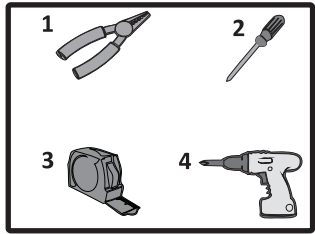
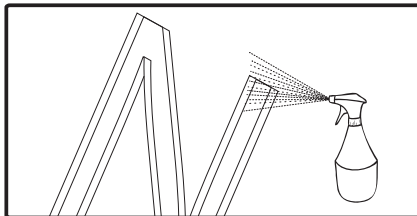


STOP**Read Instructions Completely Before Installation. Altering The Product In Any Way Voids The Warranty.****STOP****Components:**

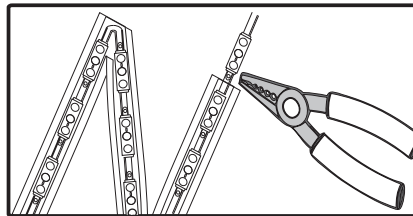
1. General LED PS12-60WSL-100-277V, PS12-60W-100-277V-ENC, or PS12-60W-100-277V
2. AgiLight SignRayz® PRO LED Modules
3. Minimum 18 AWG (0.82mm) wire- (UL Listed)
*Under certain conditions, a heavier gauge wire may be necessary.
4. PLTC Cable- (UL Listed)
5. 22-14 AWG (0.33-2.08mm) wire connectors or
22-18 AWG (0.33-0.82mm) wire nuts, IDC, or butt splice connectors (UL Listed)
6. #6 or #8 (M3 or M4) screws

LED Module Installation**Tools:**

1. Wire Strippers
2. Screw Driver
3. Tape Measure
4. Drill w/ (1/4 inch) bit

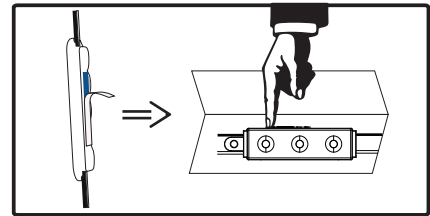


1. Clean inside of the sign with denatured alcohol. Allow alcohol to dry before proceeding.

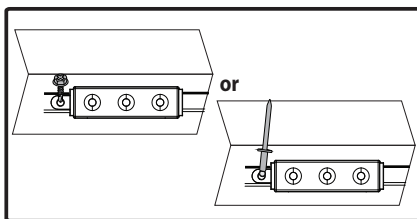


2. Place LED modules in the sign according to AgiLight® layout or Population Density Guide. Cut product accordingly.

*Product may be cut in between modules

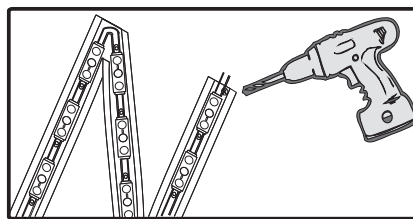


3. To adhere the LED module to the sign's back panel, remove liner from tape and firmly press the module in place. Repeat process for the rest of the layout.



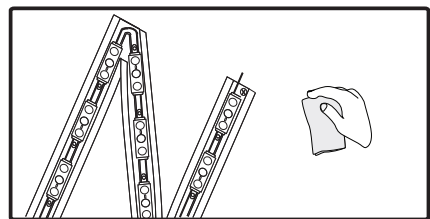
4. (Optional) Mechanically fasten the LED modules to the sign's back panel with screws or rivets.

*Use #6(M3) or #8(M4) metal screws or 1/8 inch (3.2mm) rivets.



5. Drill a hole near the beginning of the string of LED modules and fit with an insulator for feeding power supply wire to the modules.

*Access hole should be approximately 1/4 inch (6.4mm) in diameter, minimum.



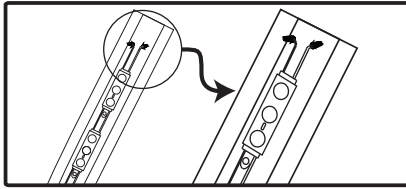
6. Remove debris and clean the inside of channel.

WARNING READ BEFORE WIRING

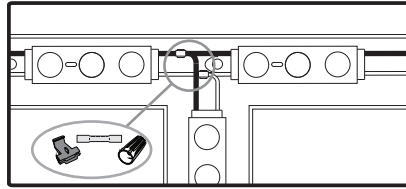
1. Must use General LED's Class 1 power supply rated for 12 Volts DC or less; proper wire gauge to connect to LED modules.
2. Check polarity for DC standard, BLACK (-) to BLACK (-) and RED (+) to [RED, BLUE, or WHITE] (+).
3. UL 48 Standard requires spacing between power supplies be at least 1 inch (25.4mm) from end to end, and 4 inches (101.6mm) from side to side.
4. Do not overload power supply and do not use products in submersed applications.
5. Grounding and bonding of the LED power supply must be done in accordance with National Electric Code (NEC) Article 600.
6. Follow all National Electric Codes (NEC) and local codes.

Page 1 of 2

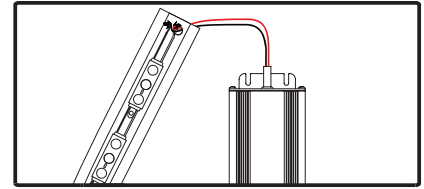
Wiring Instructions



1. Use appropriate wire connectors to cover the ends of exposed wires not being used as a connection point.



2. To connect (splice) wires, use an in-line (IDC) connector, butt connector or a twist-on wire connector.



3. Connect the power supply to the product via the access hole in the sign's back.

Power Supply Wiring Instructions

AC INPUT (3*AWG #18)

Green=Ground
White=Neutral
Black=Line

DC OUTPUT (2*AWG #18)

Red=Positive (+)
Black=Negative(-)

Note:

- *Have a licensed electrician make connections to primary (AC) input.
- *Per NEC 2008 Articles 725.121 through 725.130, secondary class 2 cables do not require conduit when installing.
- *Seal all wall penetrations with silicone to avoid intrusion of water.

WARNING

RISK OF ELECTRICAL SHOCK
Turn OFF power before performing any maintenance.

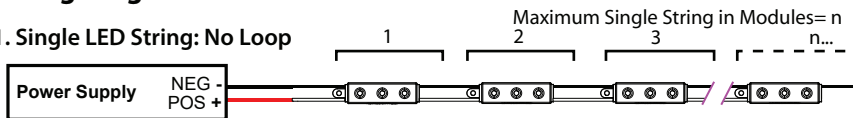
SignRayz® PRO Power Supply Load Chart

Model	Modules 60W	
	Single String	Parallel Strings Total
LS-PRO260-XXX-2G3		44
LS-PRO260-XXX-1G3	30	44
LS-PRO215-XXX-2G3		50
LS-PRO160-XXX-2B1		70
LS-PRO115-XXX-2L1		102
LS-PRO115-XXX-2G3		115
LS-PRO080-XXX-2L1		100
LS-PROMIN-XXX-3L1	120	162
LS-PROMIN-XXX-2B6		126
LS-PROCLR-(TRD, BLU, GRN-2B5)	100	112
LS-PROCLR-YLW-2B5	80	90
LS-PRO260-XXX-2G3B		44
LS-PRO260-XXX-1G3B	40	40
LS-PRO260-XXX-2B1C		44
LS-PRO260-XXX-2L3B		44
LS-PRO215-XXX-2G3C		50
LS-PRO160-XXX-2B1C		70
LS-PRO160-XXX-1G3A	67	70

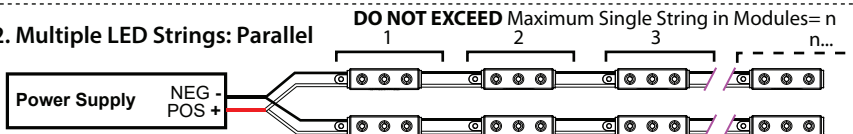
*See Parallel Wiring Diagram

Wiring Diagrams:

1. Single LED String: No Loop



2. Multiple LED Strings: Parallel



LED Module to Power Supply Wire Gauge Chart

Wire Gauge (AWG)	MAXIMUM DISTANCE*	
	STANDARD (ft)	METRIC (m)
18	18	5.49
16	29	8.84
14	45	13.72
12	71	21.64
10	120	36.58

*Distance from power supply to load (at full capacity)

Troubleshooting

Problem	Possible Cause
All LED modules are OFF or some of the LED modules are not illuminated.	1. Power supply may not be loaded properly with LED modules. 2. Wrong power supply. Must be 12VDC constant voltage. 3. Bad or loose connections.
Entire section does not light or lights intermittently.	1. Bad, loose, or improper connections. 2. Power supplies are spaced too close together; overheating. *Note: Spacings between LED power supplies shall be at least 1 inch (25.4mm) from end to end, and 4 inches (101.6mm) from side to side.
LED modules flicker or appear dim.	1. Power supply may not be properly loaded with LED modules. 2. Power supply may be damaged or defective. 3. Power supply may not be wired correctly. Check AC input wiring (Green to Ground, Black to BLack, and White to White).