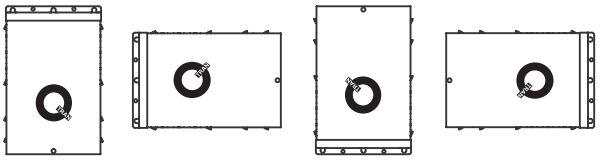
INSTALLATION

LED POWER SUPPLY - Q6S-DC

Mounting Options

1 **MOUNT** unit in any of the following configurations:
Do not recess. If you need a recessed unit, you need to order our QT series.

Surface Wall

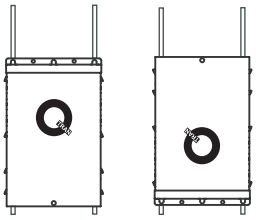


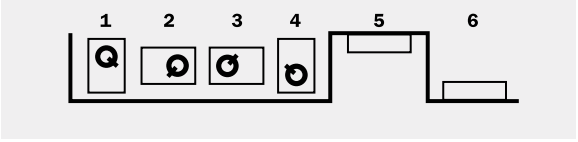
Surface Ceiling

Surface Floor

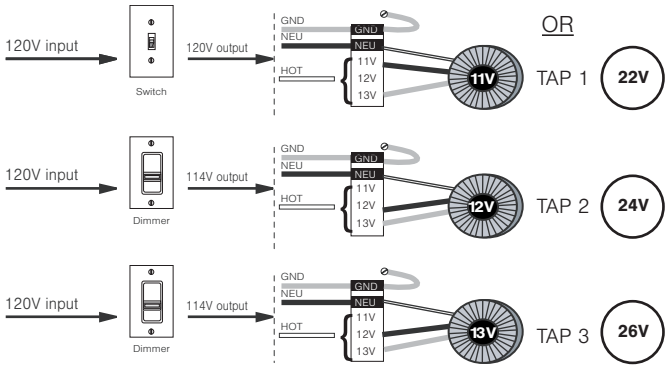
NOTE: Rods not included.

Rod Suspension





2 **CONNECT PRIMARY**
(For detailed look of primary, see Diagram A)
NOTE: Voltages are fixed and can only be changed at the factory. Voltages come in 120V, 230V or 277V.



3 **VOLTAGE DROP**

- To minimize voltage drop the proper gauge wire must be pulled between the Q-Tran power supply and the load.
- Q-Tran offers a free voltage drop calculator on our website (www.q-tran.com) or you can download our free voltage drop app for iPhone, iPad or android devices (click link on our site).
- Below is a quick reference chart of minimum acceptable wire gauges. (Q-Tran urges each installer to view our full calculator.)

Secondary Breaker Amperage			
Secondary Circuit Breaker	* L.V. Gauge	Max Load 12V	Max Load 24V
2.5A	14 AWG	-	60W
4 A	14 AWG	60W	100W
5 A	14 AWG	120W	120W

* L.V. = wiring per NEC - wire must be sized to be equal to or greater than shown.

4 **CONNECT SECONDARY**
(For detailed look at secondary, see Diagram B)

Connect low voltage fixtures in one of the following methods:

Diagram A.

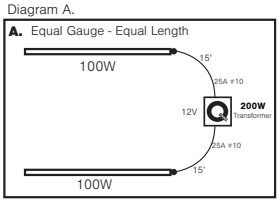


Diagram B.

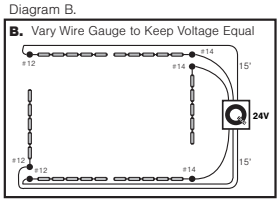


Diagram C.

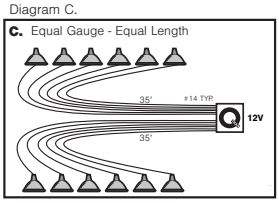
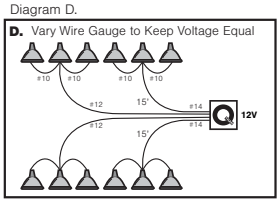
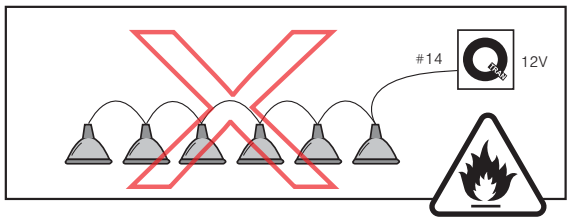


Diagram D.



DO NOT USE THIS METHOD TO WIRE YOUR LOW-VOLTAGE FIXTURES!



5 **BEFORE INSTALLING DOOR**
Please make sure the output voltage at the lamps is between 11.4–12 volts for a 12V system or 22.8–24 volts for a 24V system. Check this voltage with a true RMS volt meter & take voltage reading at the lamps.

 | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@q-tran.com | www.q-tran.com

Specification subject to change. Rev-09-29-20

INSTALLATION

LED POWER SUPPLY - Q6S-DC

Connecting & Configuration Instruction

A PRIMARY (Input Wires)

- Input voltage is fixed and can only be changed at the factory. Input voltage is indicated on side of the housing.

B SECONDARY (Output Wires)

- Secondary Circuit Breakers
- Secondary Common
- DO NOT EXCEED TOTAL AMPS OF SECONDARY CIRCUIT BREAKERS
- Output voltage is wired as ordered (12V or 24V) but can be changed by a licensed electrician. ONLY 60W

C CHOKE

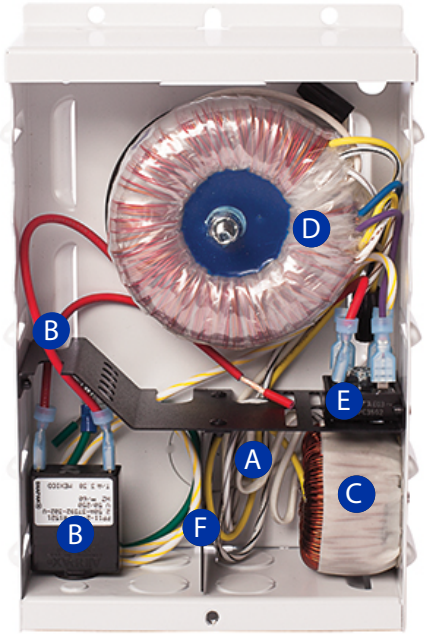
- Standard on all units

D TRANSFORMER

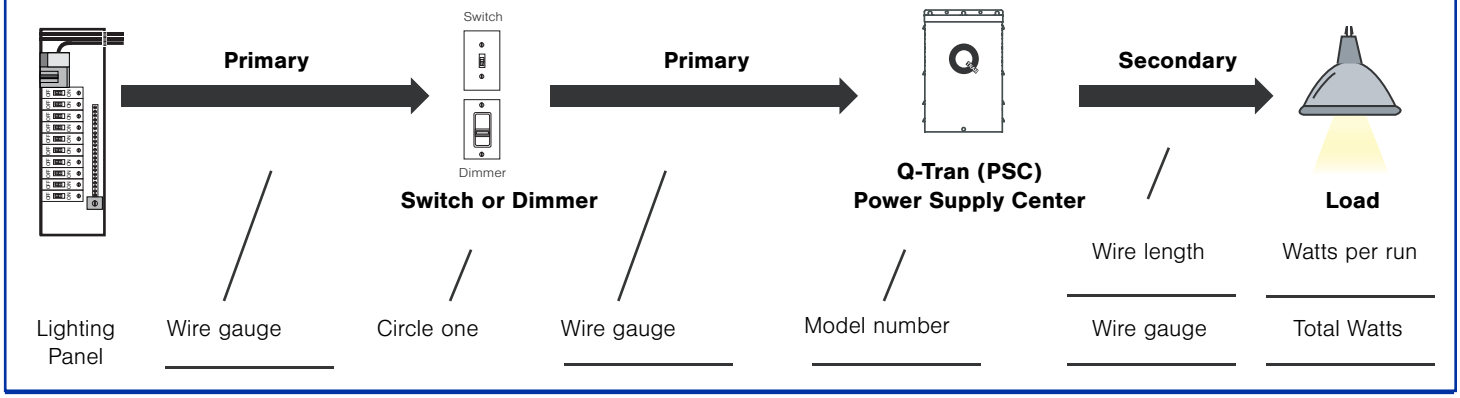
- Small – 40, 60, 100, 120 & 200 Watts

E BRIDGE RECTIFIER

F DIVIDER

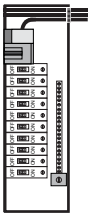


Note: To properly assist you with any trouble shooting support, please fill out your information on the lines provided.



Adjustments

1 Panel



Primary circuit breaker
Manufacturer:
Model number:
Amperage:

2 Dimmer or Switch

Manufacturer:

Model number:

3 Transformer

Primary circuit breaker

Secondary circuit breaker

4 Load

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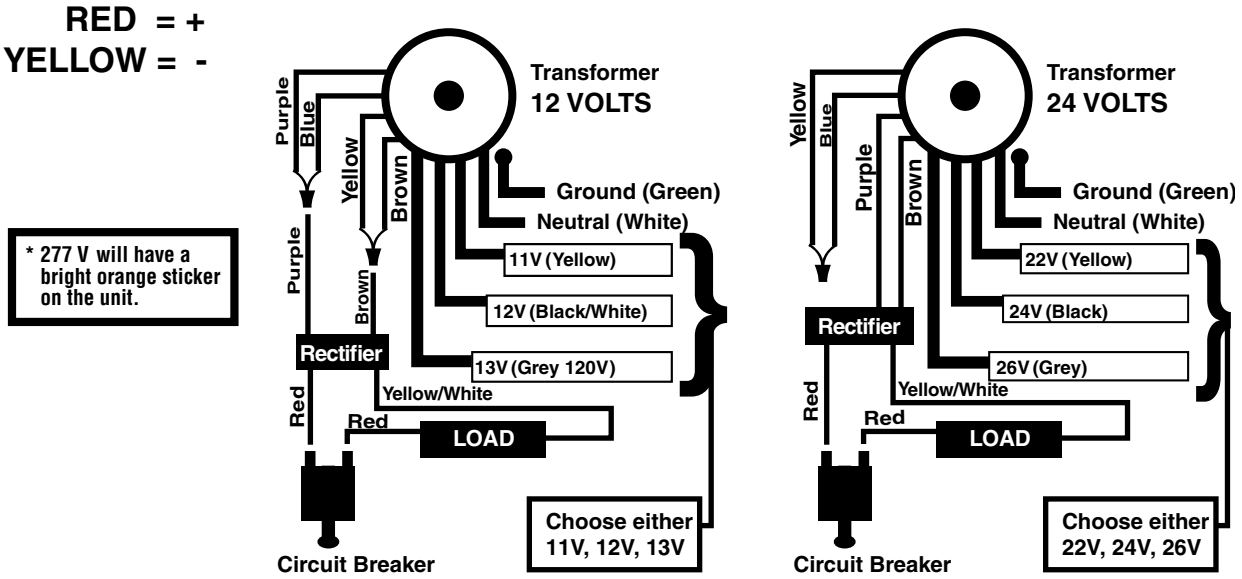
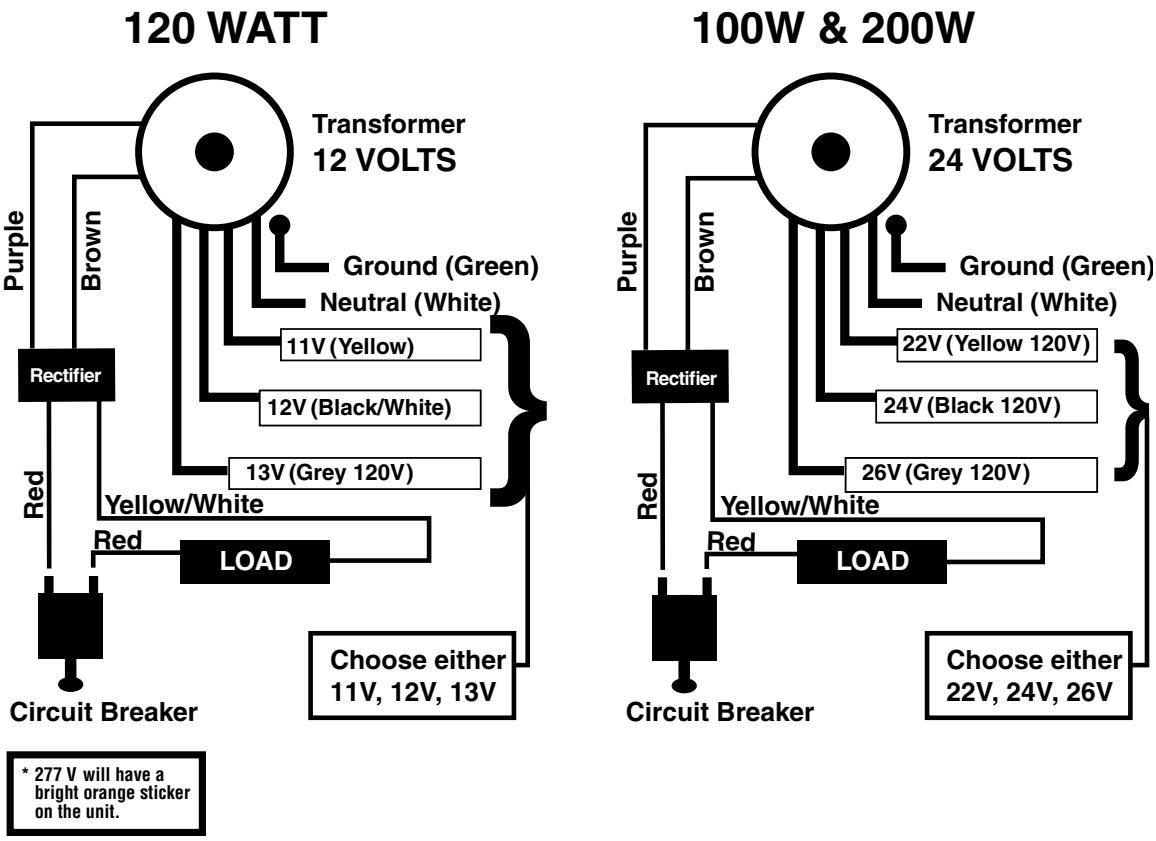
INSTALLATION LED POWER SUPPLY - Q6S-DC

Wiring Diagrams

60W Only | 12VDC or 24VDC



100W, 120W, 200W



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INSTALLATION

LED POWER SUPPLY - Q6S-DC

CSA Requirements

- Do not install in wet locations
- This power supply must be installed according to the National Electric Code and local codes and ordinances and in accordance with applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Wear rubber shoes and work on a sturdy wooden or fiberglass ladder.
- This power supply is to be installed in a location where it is not likely to be contacted by non-electricians.
- To avoid a hazard to children, account for all parts and destroy all packaging materials.

