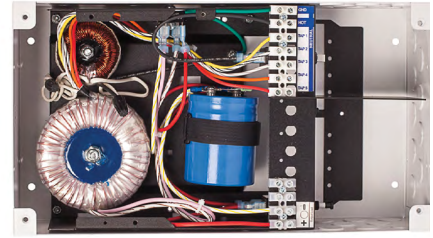


QTM-DC+CAP

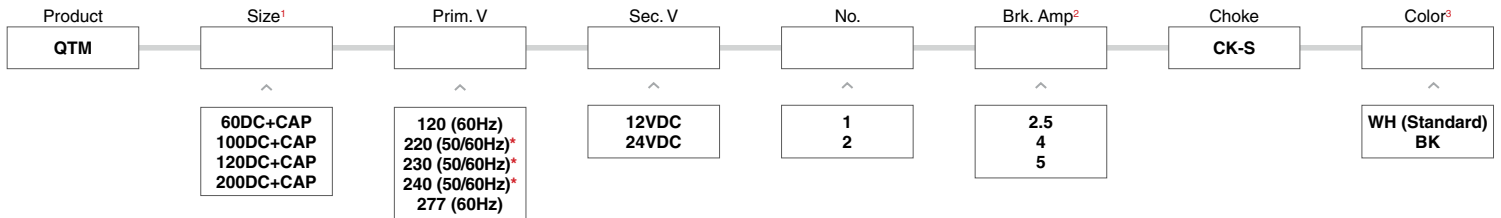
LED POWER SUPPLY 60W-200W



The QTM-DC+CAP is a power supply designed to power constant voltage LED products. Available in 12 or 24VDC from 60 to 200 watts of capacity. The QTM-DC+CAP has a built-in capacitor to reduce the ripple effect and can be controlled with a standard MLV dimmer (Magnetic Low Voltage) with a neutral for flicker free dimming. It also provides primary and secondary protection, as well as boost taps for compensating for voltage drop.



Part Number Builder



*Not standard, call factory for pricing

Technical Information

¹ Size

Size	Max Load (Watts)	Fixture Load Volts (12VDC/24VDC)	Max Prim Amps @ 120V	Max Prim Amps @ 277V
60DC+CAP	60W	12VDC	0.9 A	0.4 A
120DC+CAP	120W	12VDC	1.4 A	0.6 A
60DC+CAP	60W	24VDC	0.9 A	0.4 A
100DC+CAP	100W	24VDC	1.3A	0.5 A
120DC+CAP	120W	24VDC	1.4A	0.6 A
200DC+CAP	200W	24VDC	2.4A	1.0 A

² Secondary Breaker Amperage

Amps	Max 12V Load	Max 24V Load
2.5	30W	60W
4	48W	96W
5	60W	120W

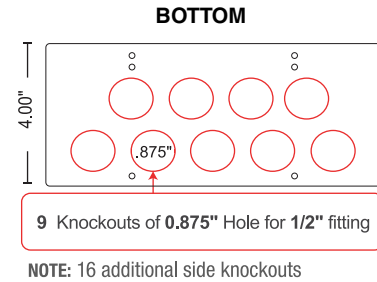
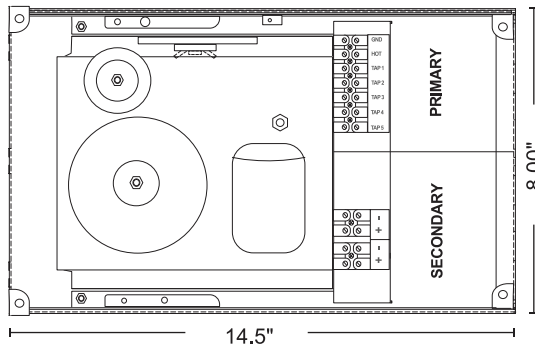
³ Color

WH White (Standard)
BK Black Powder Coat Finish



QTM-DC+CAP

LED POWER SUPPLY 60W–200W



Housing

- 18 gauge welded steel enclosure: 14.5"L x 8.00"W x 4.00"D
- Door: 15.5"L x 9.00"W
- Knockouts: 25
- Built-in support bracket incorporated to secure housing for surface mounting

Multi-Volt & Taps

- Primary Taps: All units come standard with primary circuit protection
- Five (5) primary taps provide (in order from TAP1 to TAP5):
 - 12V: 12, 13, 14, 15, 16
 - 24V: 22, 24, 26, 28, 30
- Loads may be connected to one (1) of the primary taps up to the full watt rating of the PSC.
- The advantage is that loads at varying distances from the PSC can be tapped on different taps to recover voltage drop, allowing you to get the correct voltage at your load and produce between 85%-100% light output. (See Q-TRAN Voltage drop Calculator)
- Secondary Circuit Protection: 1-2 magnetic circuit breakers.

Toroidal Choke

Q-Tran's standard choke, or "debuzzing coil" reduces noise when dimming and helps negate in-rush current that is prevalent with LED loads. It allows for quiet operation and eliminates nuisance tripping.

- Tested to UL 2108 standard
- Wall mount/rod suspension
- For supply connections use wire rated for at least 75°C
- Suitable for damp locations
- Use dimmers rated for magnetic low voltage load with neutral wire
- Isolation toroidal transformer
- 50/60 cycle
- Made in the U.S.A.

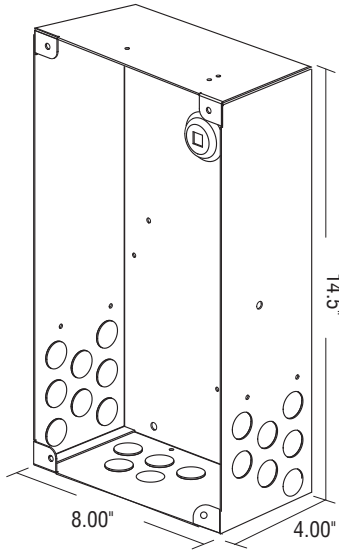


INSTALLATION

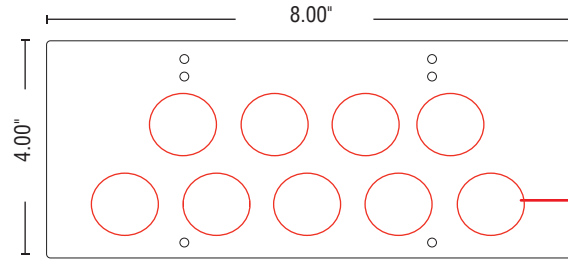
LED POWER SUPPLY - QTM-DC+CAP



Housing



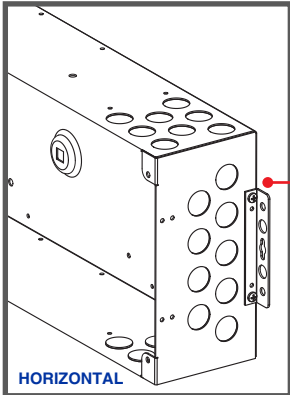
ISOMETRIC VIEW



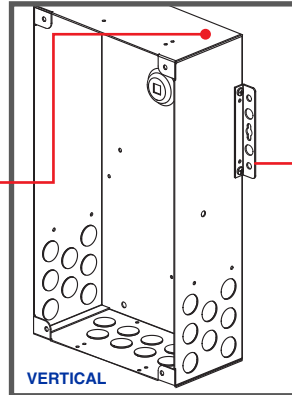
BOTTOM VIEW

**3/4" KNOCKOUT 9X
(FOR 3/4" FITTINGS)**

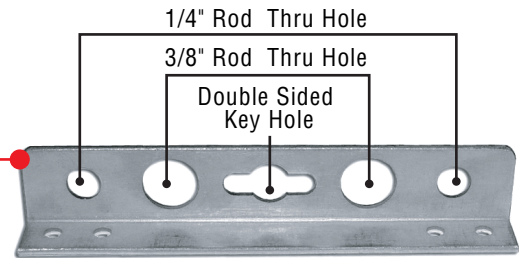
Mounting Options



HORIZONTAL



VERTICAL



NOTE: Bracket can also be mounted
(Top & Bottom) for Vertical Mounts.

SURFACE SPACING		SURFACE STACKING	ROD SUSPENSION
<p>9.5" O.C.</p> <p>More Units can be stacked</p>	<p>19" O.C.</p> <p>9.5" O.C.</p> <p>More Units can be stacked</p>	<p>9.5" O.C.</p> <p>More Units can be stacked</p>	<p>Vertical</p> <p>Plenum Door Required</p> <p>Horizontal</p>

NOTE: Rods not included.

INSTALLATION

LED POWER SUPPLY - QTM-DC+CAP

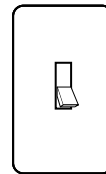


Connect Primary

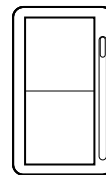
Line Voltage

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

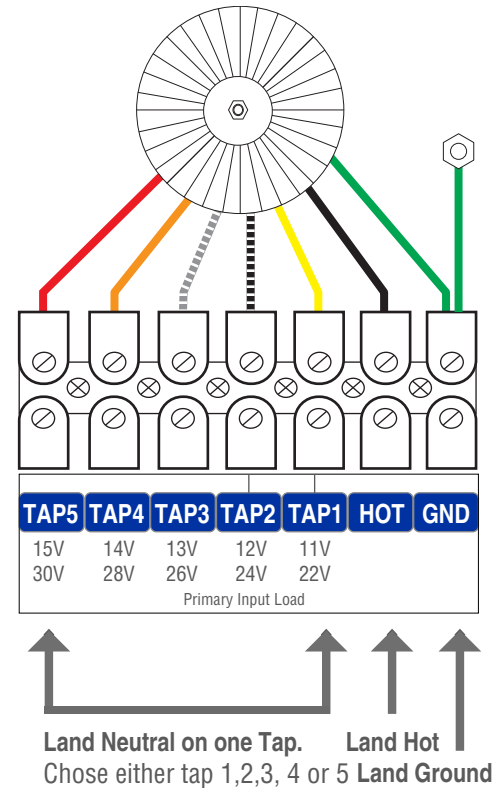
NOTE: Primary Input - connect the AC Input hot into block labeled Hot. Connect the neutral wire into Tap 1 - Tap 5 depending on desired output Voltage. Must test all voltage readings with a True RMS Voltage Meter.



SWITCH



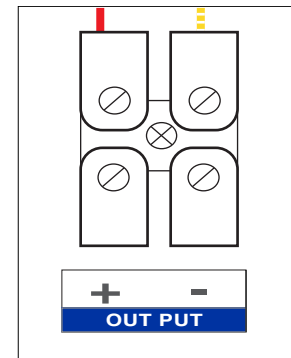
DIMMER



Connect Secondary

Low Voltage

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



RED = Positive (+)

YELLOW / WHITE = Negative (-)

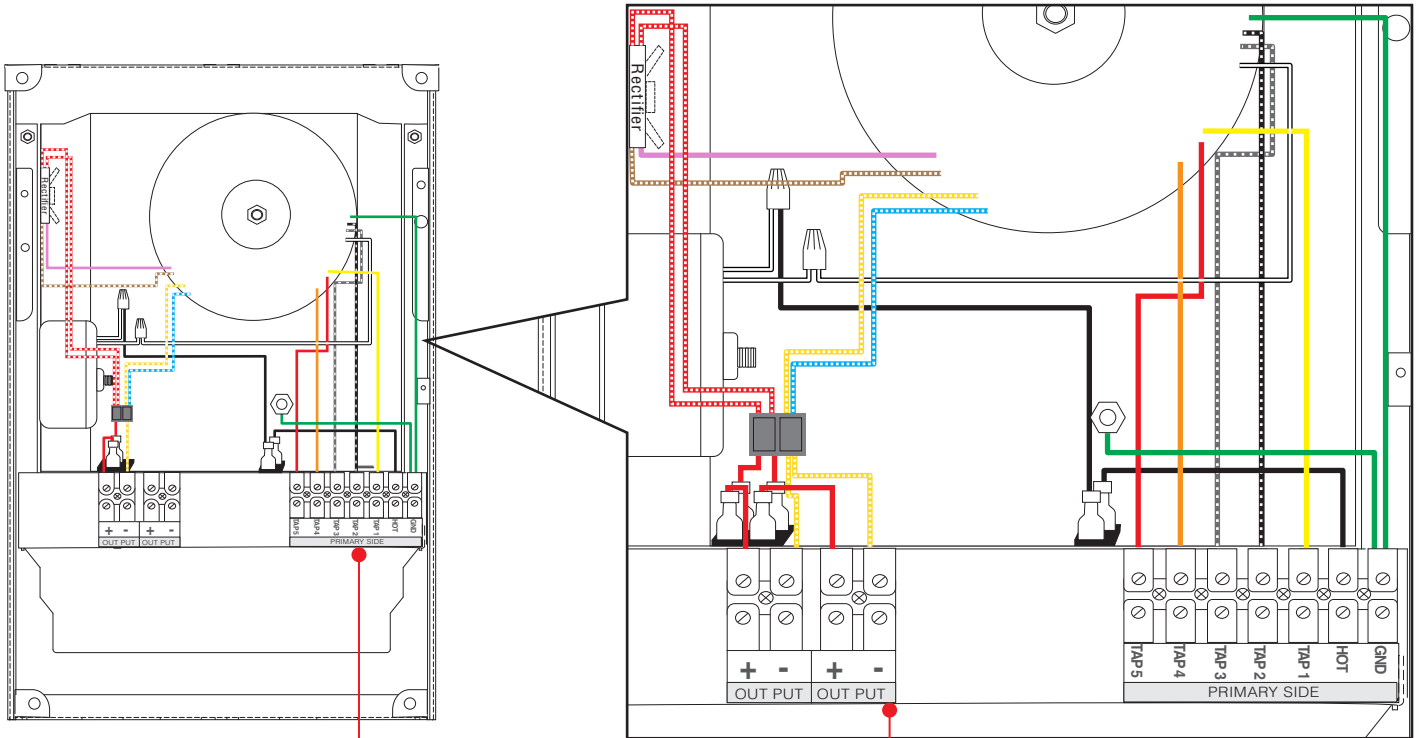
Choke

- Also known as a debuzzing coil; reduces noise and in-rush current.
- Standard on all units except the 50W and 100W.
- The large units have 2 chokes.

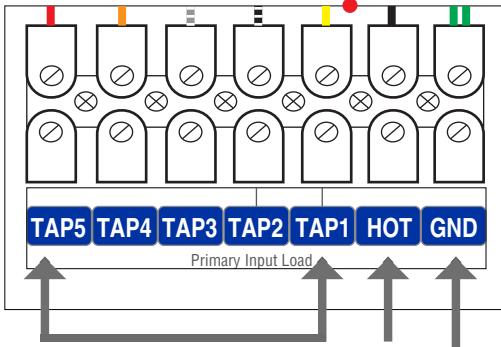
DC+CAP	
12V	24V
CK-S	
60-300W	

INSTALLATION

LED POWER SUPPLY - QTM-DC+CAP

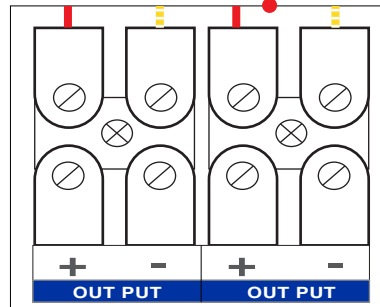


PRIMARY Line Voltage



Land Neutral on one Tap. Land Hot
Chose either tap 1,2,3, 4 or 5 Land Ground

SECONDARY Low Voltage



RED = Positive (+)

YELLOW / WHITE = Negative (-)

NOTE: Primary Input - connect the AC Input hot into block labeled Hot. Connect the neutral wire into Tap 1 - Tap 5 depending on desired output voltage. Must test all voltage readings with a true RMS Voltage Meter.