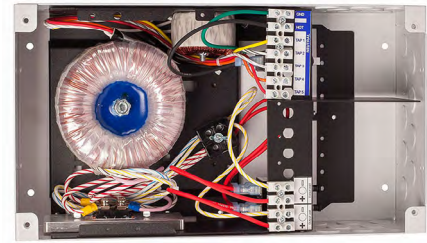


Q-Tran's QTM-DC is a surface mount, interior rated, rectified DC power supply. It is ideal for applications that require a larger power supply where perfect dimming is not a requirement. When dimming use a forward phase dimmer with a neutral wire. The QTM-DC in 24V can be used with Q-Tran linear LED product.



Part Number Builder

Product	Size ¹	Prim. V	Sec. V	No.	Brk. Amp ²	Choke	Color ³
QTM-DC							
	60W 100W 120W 180W 200W 240W 300W 360W 500W 600W	120 (60Hz) 220 (50/60Hz)* 230 (50/60Hz)* 240 (50/60Hz)* 277 (60Hz)	12VDC 24VDC	1 2 3 4 5 6	2.5 4 5 10 15 20 25	CK-S CK-L	WH (Standard) BK

*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	60W	12VDC	0.9 A	0.4 A
120DC	120W	12VDC	1.4 A	0.6 A
180DC	180W	12VDC	2.0 A	0.9 A
240DC	240W	12VDC	2.7 A	1.2 A
300DC	300W	12VDC	3.4 A	1.5 A
360DC	360W	12VDC	4.1 A	1.8 A
60DC	60W	24VDC	0.9 A	0.4 A
100DC	100W	24VDC	1.1A	0.5 A
200DC	200W	24VDC	2.2 A	1.0 A
300DC	300W	24VDC	3.4 A	1.5 A
500DC	500W	24VDC	5.6 A	2.4 A
600DC	600W	24VDC	6.7 A	2.9 A

² Secondary Breaker Amperage

Amps	Max 12V Load	Max 24V Load
2.5	30W	60W
4	48W	96W
5	60W	120W
10	120W	240W
15	180W	360W
20	240W	480W
25	300W	600W

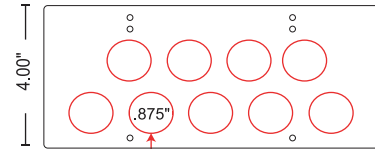
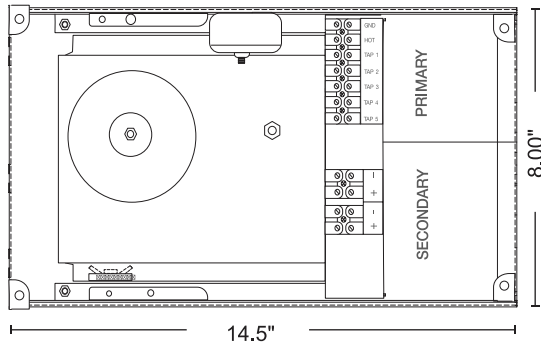
³ Color

WH White (Standard)
BK Black Powder Coat Finish

Choke

CK-S 60W-300W
CK-L 360W-600W





9 Knockouts of 0.875" Hole for 1/2" fitting

NOTE: 16 additional side knockouts

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 Tap Options (in order from TAP1 to TAP5):
 12V: 11, 12, 13, 14, 15V
 24V: 22, 24, 26, 28, 30V
- 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: 1-6 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.

- | | |
|---|---|
| <ul style="list-style-type: none"> • Surface mount any position • Tested to UL 2108 standard • Wall mount/rod suspension • For supply connections use wire rated for at least 75°C • Suitable for damp locations | <ul style="list-style-type: none"> • Use dimmers rated for magnetic low voltage load with neutral wire • Isolation toroidal transformer • 50/60 cycle • Made in the USA |
|---|---|

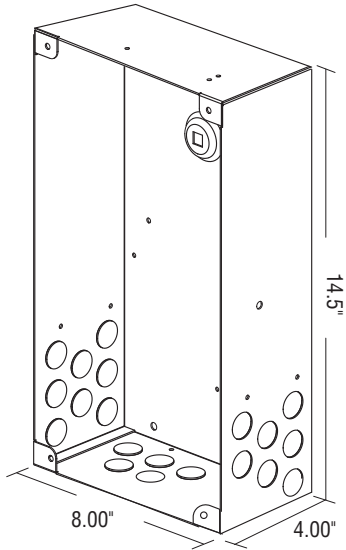


INSTALLATION

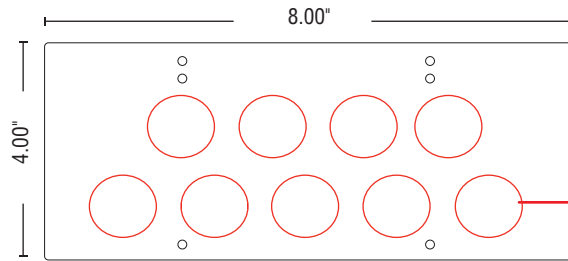
LED POWER SUPPLY - QTM-DC



Housing



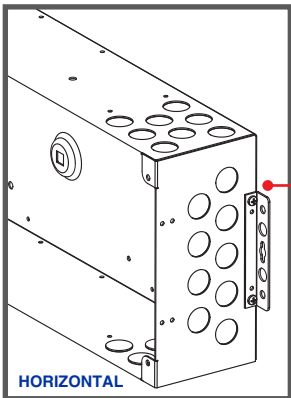
ISOMETRIC VIEW



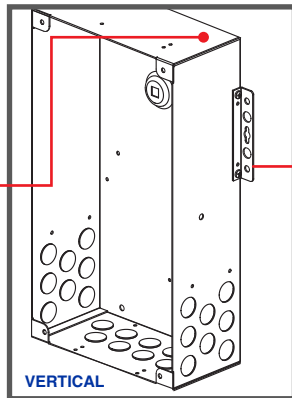
BOTTOM VIEW

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

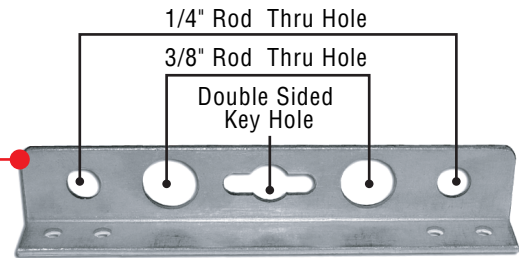
Mounting Options



HORIZONTAL



VERTICAL



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

SURFACE SPACING		SURFACE STACKING	ROD SUSPENSION
More Units can be stacked	More Units can be stacked	More Units can be stacked	Vertical Plenum Door Required Horizontal

NOTE: Rods not included.

INSTALLATION

LED POWER SUPPLY - QTM-DC

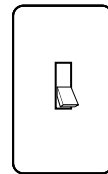


Connect Primary

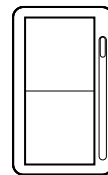
Line Voltage

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

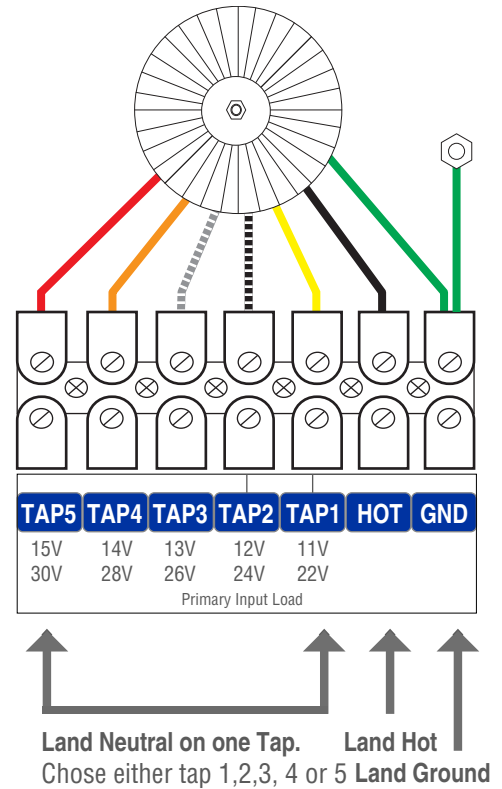
NOTE: Primary Input - connect the AC Input hot into block labeled Hot. Connect the neutral wire into Tap 1 - Tap 5 depending on desired output Voltage. Must test all voltage readings with a True RMS Voltage Meter.



SWITCH



DIMMER

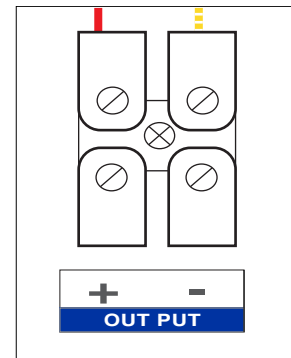


Connect Secondary

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.

NOTE: QTM-DC load should not exceed 80% of supply rating. QTM-DC may produce flicker when dimmed. For optimal dimming, use the iQ-PH or DC+CAP products.



RED = Positive (+)
YELLOW / WHITE = Negative (-)

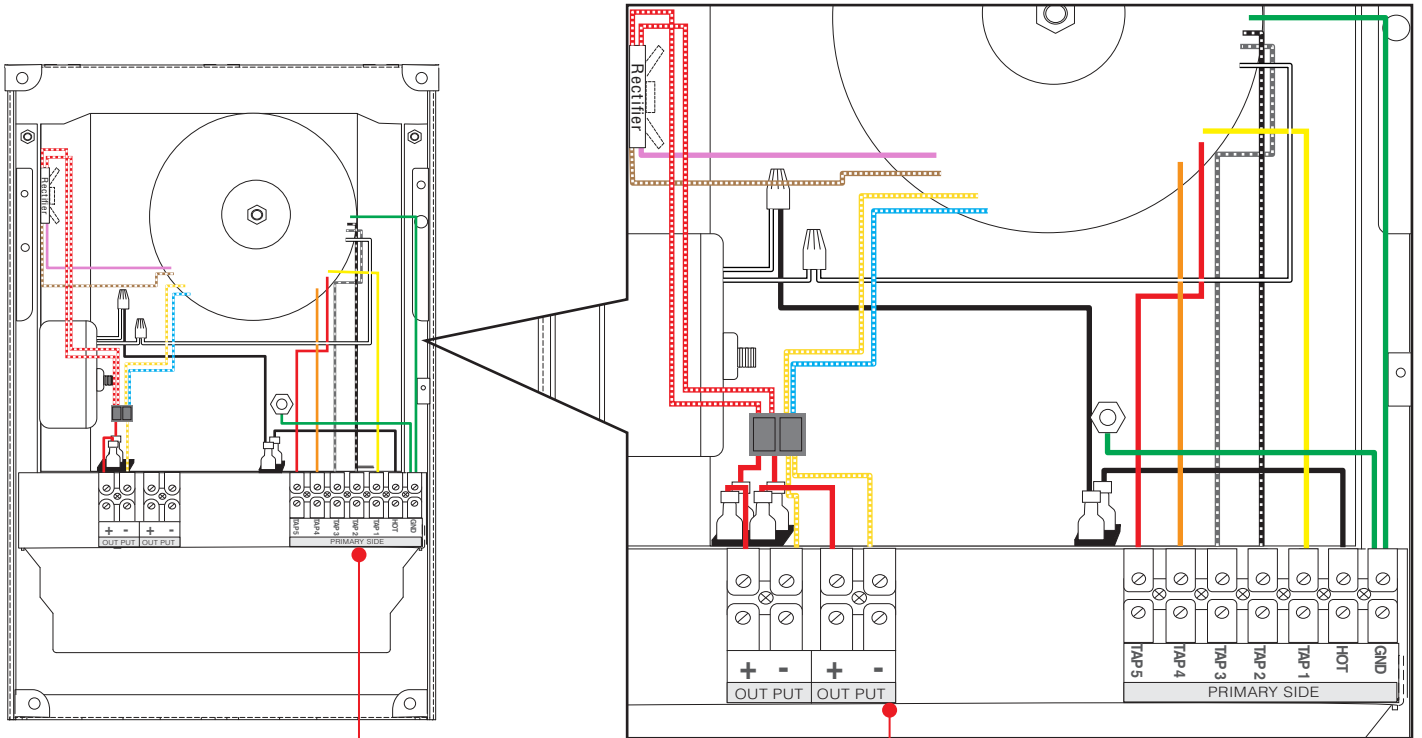
Choke

- 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			
12V		24V	
CK-S	CK-L	CK-S	CK-L
60-300W	360W	60-300W	500-600W

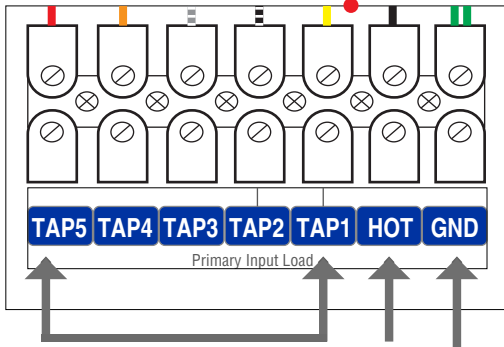
INSTALLATION

LED POWER SUPPLY - QTM-DC



PRIMARY

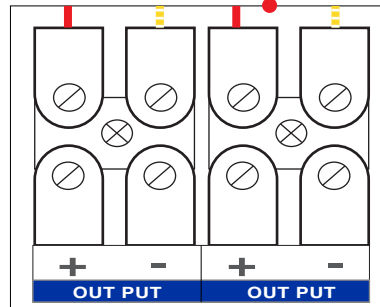
Line Voltage



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.

NOTE: QTM-DC load should not exceed 80% of supply rating. QTM-DC may produce flicker when dimmed. For optimal dimming, use the iQ-PH or DC+CAP products.