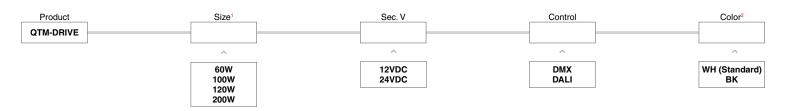
QTM-DRIVE LED POWER SUPPLY 60W-200W



QTM-DRIVE is an LED power supply for DMX or DALI control. It is available in 12 or 24VDC and 60-200 watts of power. The QTM-DRIVE utilizes eldoLED LINEARdrive drivers and is suitable for indoor use. The power supplies and modules are all prewired together along with terminal blocks for power and control wires. The housing can be recessed or surface mounted.



Part Number Builder



Technical Information

Size	Max Load (Watts)	Secondary Voltage (12/24VDC)	Max Prim Amps @ 120V	Max Prim Amps @ 277V 0.45A 0.90A	
60W	1×60W	12VDC	0.60A		
120W	2x60W	12VDC	2.10A		
100W	1×100W	24VDC	1.05A	0.45A	
200W	2x100W	24VDC	2.10A	0.90A	

²Color

WH White (Standard) BK Black Powder Coat Finish

Voltage Drop Chart

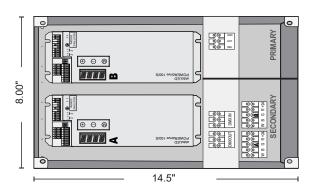
VDC	Watts (W)	10 AWG (5.6mm²)	12 AWG (3.3mm²)	14 AWG (3.0mm²)	16 AWG (1.3mm²)	18 AWG (0.78mm²)	20 AWG (0.50mm²)	22 AWG (0.33mm²)	24 AWG (0.22mm ²)	26 AWG (0.13mm ²)
12	12 25 60	315' 115' 7'	198' 72' 4'	125' 45' 3'	78' 28'	49' 18'	31' 11'	19' 7'	12' 4'	7' 4'
24	17 25 40 80 100	897' 567' 309' 130' 84'	564' 356' 194' 82' 53'	355' 224' 122' 51' 33'	223' 141' 77' 32' 21'	140' 88' 48' 20' 13'	88' 56' 30' 13' 8'	55' 35' 30' 8' 5'	35' 22' 12' 5' 3'	22' 14' 7' 3'

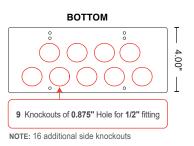
*Distances are based on a 5% Voltage drop max. • This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved



QTM-DRIVE LED POWER SUPPLY 60W-200W







Housing

- 18 gauge welded steel enclosure: 14.5"W x 8.00"H x 4.00"D
- Door: 15.5"W x 9.00"H
- Knockouts: 9
- Built-in support bracket incorporated to secure housing for surface mounting

Performance

- Power Supply
 - : Rated for surface mount or recessed use
 - : Fully rated to operate low voltage load at listed wattage (No derating required)
 - : Voltage regulation to 5% or less of rated output voltage
 - : Universal input range of 120-277 Vrms
- Low Voltage Lighting Systems
 - : CSA Class 3425-15 and Class 3425-95
 - : Short circuit protection (SCP)
 - : Overloadprotection (OLP)
 - : Live tested by the manufacture to ensure proper operation
 - : Manufacturer offers a minimum of 5 years warranty
- Terminal blocks is made of tin plated copper with a voltage rating of 300V and a current rating of 40A
 - DMX or DALI controllable
 - Can fit up to 2 drivers
 - Surface or recess mount capable
 - 4x 12/24V controllable outputs per driver
 - Standby power: < 0.5W
 - Flicker free operation
 - Built-in surge rotection: 3kV (L to N), 4kV (L/N to GND)
 - Efficiency: 90% at full load, ≥ 87% above 50W output
 - Power factor: > 0.94
 - THD @ full load : <10%

- DMX dimming down to 0.1%
- 3 years warranty
- Class 2 output
- CSA #239924
- Low Voltage Lighting Systems
- : CSA class 3425-15 and class 3425-95
- : CSA standard C22.2 No. 250.0-08 Luminaires
- : ANSI/ UL standard2108 Low voltage lighting systems
- : CSA standard C22.2 No 250.13-14 Light emitting diode (LED) equipment for lighting applications
- : ANSI/ UL standard8750 Light emitting diode (LED) equipment for use in lighting products



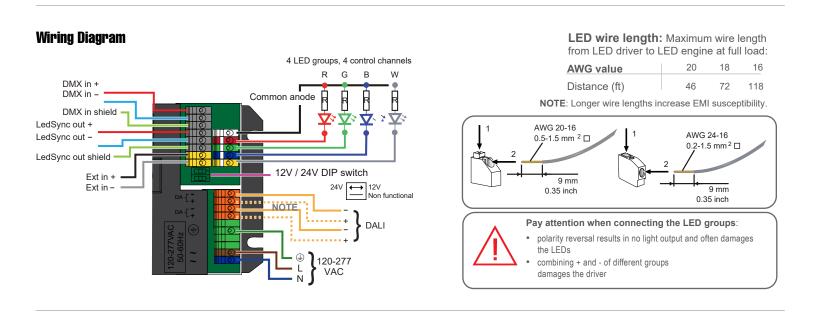


DMX in/LedSync out

 Use these connectors when the driver is used in a DMX network. For DMX in, connect the network cable's DMX+, DMXand DMX shielding wire (the orange/white, orange and brown wire in a CAT5 cable) to the DMX in+, DMX in- and DMX in shield connector respectively. ForLedSync out, connect the network cable's DMX+, DMX- and DMX shielding wire to the LedSync out+, LedSync out- and LedSync shield connector respectively.

DALI

• Use these connectors to connect the driver to a DALI network. Always combine a DA+ and DA- connector for either data input or data output. A separate DALI power supply is required to power the DALI bus.



INPUT

- Voltage: 120 277 VAC, 50/60Hz
- Current, max per driver:
 - 1.05A at 120V/60Hz
 - 0.5A at 230V/50Hz
 - 0.45A at 277V/60Hz

OUTPUT

- Power per driver: 100W max
- Power per channel: 60W max
- Voltage: 12V/24V output
- Current
 RGBW @ 12V: 1.25A per output
 RGBW @ 24V: 1A per output
- Output
 RGB @ 12V: 1.66A per output
 RGB @ 24V: 1.33A per output
- Current max: 5A common anode

ENVIRONMENTAL

- Ta operating range : -40°F ~ +122°F
- Tc max : 185°F
- Lifetime : 50K hours at 122°F
- MTBF : 480,000 hours

COMPLIANCE / SAFETY

- Class 2 output.
- Class A sound rating
- FCC: Title 47CFR Part 15 Class B
- The wiring inside electrical enclosures shall comply with the 600V/105 °C or higher.
- CSA certified : UL-2108
 - : UL-8750
 - : CSA C22.2 No 250.0-08
 - : CSA C22.2 No 250.13-14

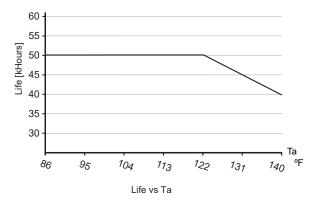
NOTE: All measurements have been carried out at maximum load in free air without heat sink.



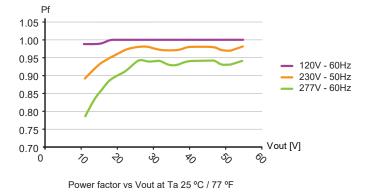
QTM-DRIVE LED POWER SUPPLY 60W-200W



Lifetime data

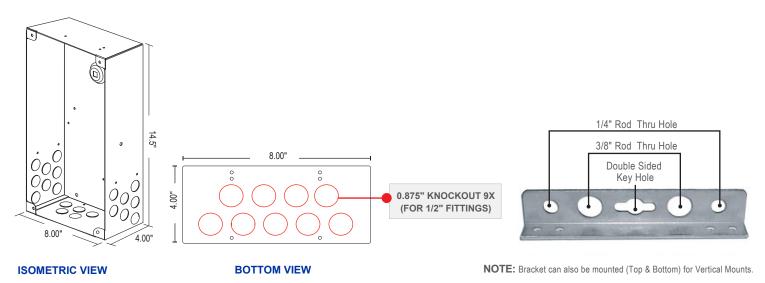


Power factor data

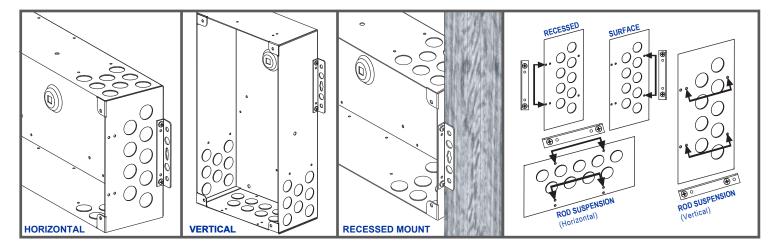


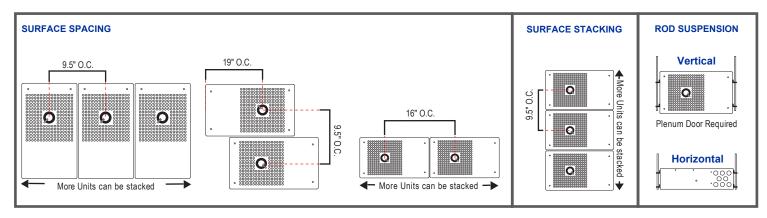
INSTALLATION LED POWER SUPPLY - QTM-DRIVE

Housing



Mounting Options

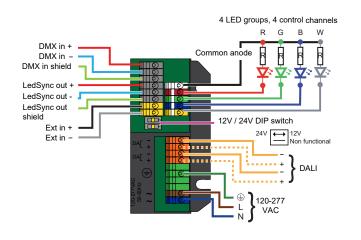


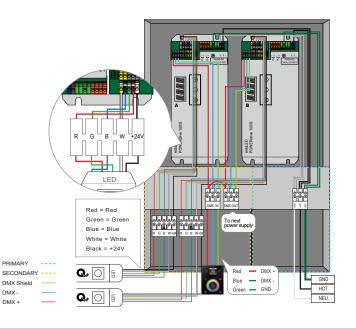


NOTE: Rods not included.

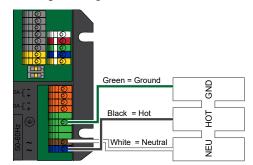


Connecting and Configuring the LINEARdrive 100/S





Primary Wiring

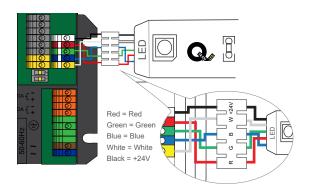


Commonly Asked Questions

1) How can I verify my installation?

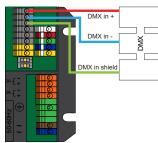
- Apply AC input, verify display turns on : This confirms AC input wiring
- Run "Visual Test Run" : This verifies wiring of LEDs. Make sure LEDs turning on go in same order as the Test Run
- 2) I don't have a controller yet, how can I keep my lights on?
 - Change the Mode to "COLOR" : This allows to manually set a specific color to be on
 - Adjust the Hue or WHITE to achieve the desired color : This sets that specific color
- 3) My LEDs aren't coming out the right color. They look like white has been added in
 - \cdot Verify the Network Resolution "NETW RES" $\,:\,$ Default is 8 BT
 - Check your DMX Programming. Stick controllers come with RGB programs by default. This will cause RGBW
 LEDs to show Pink vs. Red

Secondary Wiring

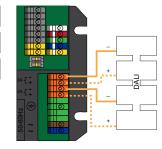


Control Wiring

DMX Connections



DALI Connections



NOTE: The unit will be factory wired based on the way the unit is ordered. Only the one applicable control will be prepared. : DMX shielding wire must be grounded to Earth ground external to power supply.

WARNING: Risk of electrical shock. May result in serious injury or death. Disconnect power before servicing or installing

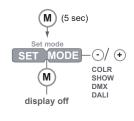
CAUTION: The device may only be connected and installed by a qualified electrician. All applicable regulations, legislation and building codes must be observed. Incorrect installation of the device can cause irreparable damage to the device and the connected LEDs.

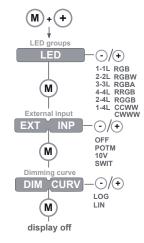


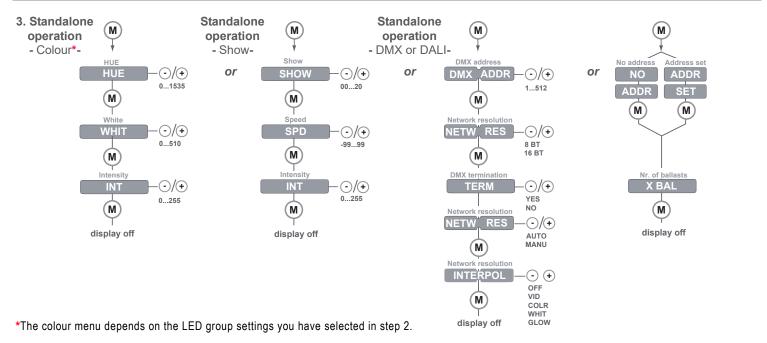
Manual Configuration

1. Select mode of operation:

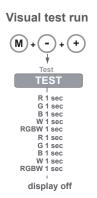




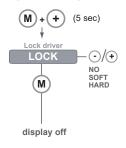




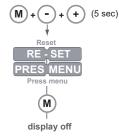
Other Features



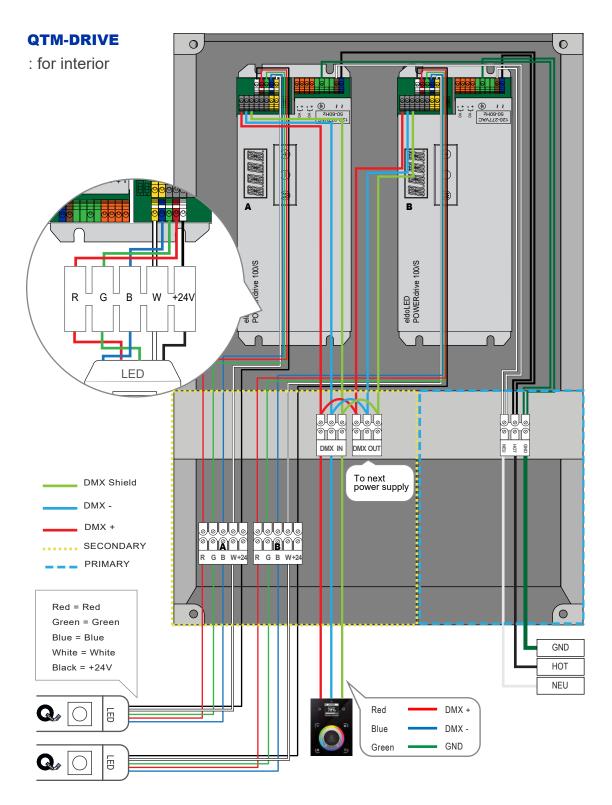
Locking the configuration:



Reset to factory defaults



Wiring Installation





CSA Requirements

- Suitable for indoor use
- 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.
- DMX shield wire must be grounded to earth ground at a single point external to power supply.

			INF		OUTPU	OUTPUT VOLTAGE		
QTM-DRIVE		120V-277V			0 12V 0 24V			
	Model	Input Voltage (V)	Input Current (A)	Frequency	Nominal Output Voltage (VDC)	Nominal Output Wattage (W)	CONTROL TYPE	
0 0	QTM-DRIVE-60 QTM-DRIVE-120	120/277 120/277	0.67 1.30	50/60 50/60	12 12	60 120		
0 0	QTM-DRIVE-100 QTM-DRIVE-200	120/277 120/277	1.05 2.10	50/60 50/60	24 24	100 200	O DALI	
Type IC recessed, inherently protected Type IC ENCASTRE, PROTECTION INHÉRENTE Wall mount only INSTALLATION MURALE SEULEMENT Suitable for damp locations CONVIENT AUX EMPLACEMENTS HUMIDES Not for use with dimmers NE CONVIENT PAS À DES GRADATEURS For supply connections use wire rated		installation code by a p operation of the produce CE PRODUIT DOIT ÊT PERTINENT, PAR UNE	nstalled in accordance of person familiar with the ct and the hazards invo RE INSTALLÉ SELON L PERSONNE QUI CON ENT AINSI QUE LES RIS	DW VOLTAGE GHTING SYSTEM -Tran, Inc. ASS: 3425 - 15 3425 - 95	Q-TRAN, INC. MLIFORD, CT U.S.A. (203) 367-8777 WWW.Q-TRAN.COM			
	least 60°C.	RISK OF FIRE. IF INST. A BUILDING STRUCTU CONSULT A QUALIFIE RISQUE D'INCENDIE. SI L TRAVERS UNE STRUCTU	ALLATION INVOLVES R IRE, SPECIAL WIRING M D ELECTRICIAN INSTALLATION IMPLIQUE JRE DE BÂTIMENT, DES M SSAIRES. CONSULTEZ UN					