



# QTM-eLED INSTALLATION INSTRUCTIONS

Must be installed by licensed electrician.



**QTM-eLED**

CLASS: 3425 - 15  
3425 - 95





**QTM-eLED** is Q-Tran's interior rated electronic power supply, utilizing the Xitanium driver from Advance. Suitable for surface or recessed mounting use. These drivers provide a 12VDC or 24VDC, constant voltage output, with optional 0-10V dimming modules.

### 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: 25
- Built-in support bracket incorporated to secure housing for surface mounting

### FEATURES

- Limited output voltage and current, plus isolation for safe operation
- Dimmable w/ additional 0-10V Dimming Module
- Fully potted driver(s) for moisture resistance
- Suitable for dry and damp locations
- Suitable for surface or recessed mounting use
- Primary Voltage - Universal (120-277V)
- Wide operating temperature range: -40 degF to 104 degF
- Fits up to (3): 60W 12VDC or (3):100W 24VDC driver(s) and 0-10V dimming module(s) in the same housing
- 5 year warranty
- Driver has Class A sound rating
- Class 2 Output
- CSA #239924

#### Low Voltage Lighting Systems

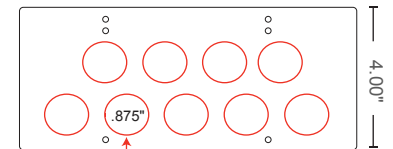
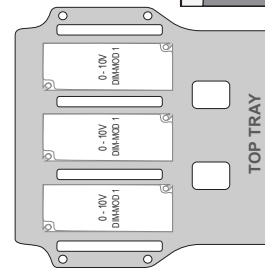
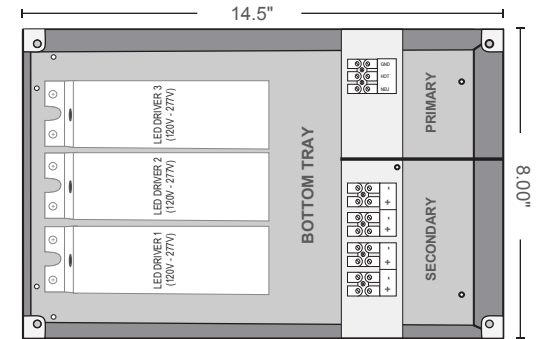
- : CSA Class 3425-15 and Class 3425-95
- : CSA Standard C22.2 No. 250.0-08 - Luminaires
- : ANSI/ UL Standard 2108 - Low Voltage Lighting Systems
- : CSA Std C22.2 No 250.13-14 - Light Emitting Diode (LED) Equipment for Lighting Applications
- : ANSI/ UL Standard 8750 - Light Emitting Diode (LED) Equipment for Use in Lighting Products

### WIRE LENGTH TABLE

VOLTAGE DROP CHART										
VDC	Watts (W)	10 AWG (5.6mm <sup>2</sup> )	12 AWG (3.3mm <sup>2</sup> )	14 AWG (3.0mm <sup>2</sup> )	16 AWG (1.3mm <sup>2</sup> )	18 AWG (0.78mm <sup>2</sup> )	20 AWG (0.50mm <sup>2</sup> )	22 AWG (0.33mm <sup>2</sup> )	24 AWG (0.20mm <sup>2</sup> )	26 AWG (0.13mm <sup>2</sup> )
12	12	315'	198'	125'	78'	49'	31'	19'	12'	7'
	25	115'	72'	45'	28'	18'	11'	7'	4'	3'
	60	7'	4'	3'						
24	17	897'	564'	355'	223'	140'	88'	55'	35'	22'
	25	567'	356'	224'	141'	88'	56'	35'	22'	14'
	40	309'	194'	122'	77'	48'	30'	30'	12'	7'
	80	130'	82'	51'	32'	20'	13'	8'	5'	3'
	100	84'	53'	33'	21'	13'	8'	5'	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.
- If dimming with optional 0-10V dimming module, use a dimmer rated for 0-10V operation.



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

NOTE: 16 additional side knockouts

ORDERING GUIDE					
Model	Size	Prim. V	Sec. V	DIM	Opts
QTM-eLED	-	UNV	/	+	-
1 Size	Max Load (Watts)	Secondary Voltage(12/24VDC)	Max Prim. Amps @ 120V	Max Prim. Amps @ 277V	
	60W	1x60W 12VDC	0.60 A	0.29 A	
	120W	2x60W 12VDC	1.20 A	0.58 A	
	180W	3x60W 12VDC	1.80 A	0.87 A	
	100W	1x100W 24VDC	0.95 A	0.40 A	
	200W	2x100W 24VDC	1.90 A	0.80 A	
	300W	3x100W 24VDC	2.85 A	1.20 A	
2 Primary Voltage					
UNV: 120-277 Vrms					
3 Secondary Voltage					
		12VDC	24VDC		
4 Dimmer					
0-10V					
5 Options					
WH White ( Standard ) BK Black Powder Coat Finish					
Ordering Example					
<b>QTM-eLED-100-UNV/24+0-10V</b>					



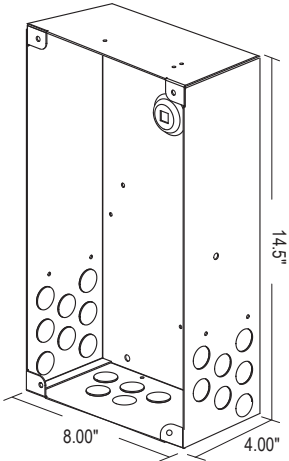
LOW VOLTAGE LIGHTING SYSTEM  
CLASS: 3425 - 15  
3425 - 95



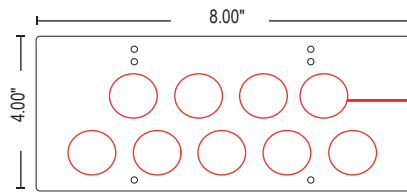
QTM-eLED

# Housing & Mounting Options

## QTM HOUSING

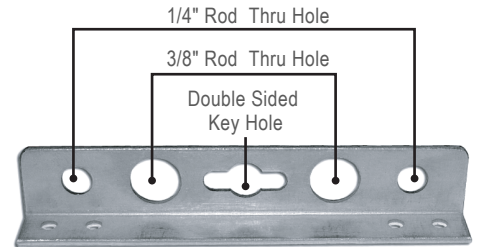


ISOMETRIC VIEW



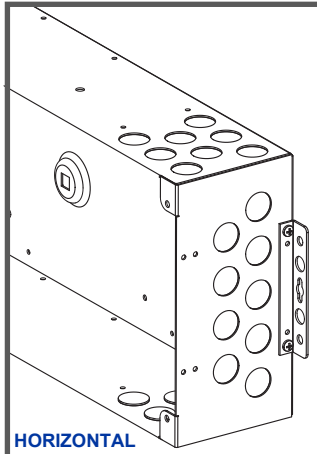
BOTTOM VIEW

0.875" KNOCKOUT 9X  
(FOR 1/2" FITTINGS)

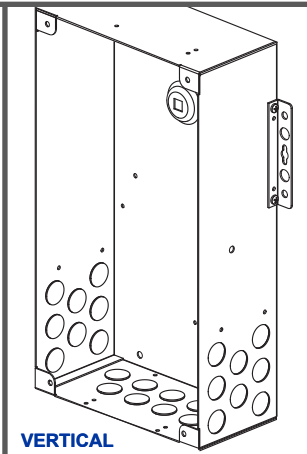


NOTE: Bracket can also be mounted (Top & Bottom) for Vertical Mounts.

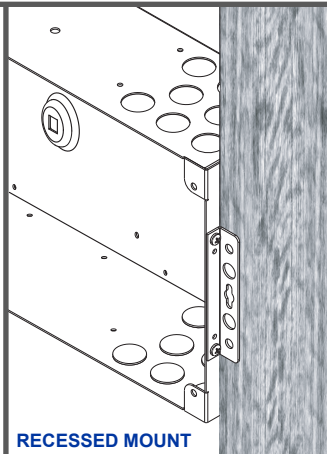
## MOUNTING OPTIONS



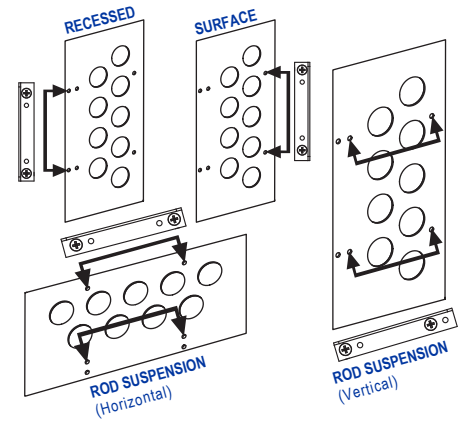
HORIZONTAL



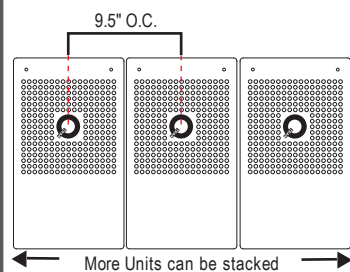
VERTICAL



RECESSED MOUNT

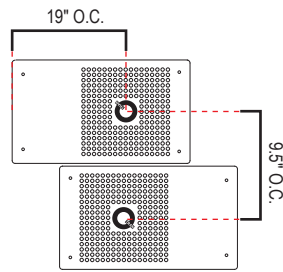


### SURFACE SPACING



9.5" O.C.

More Units can be stacked



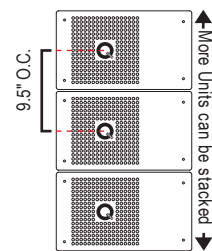
19" O.C.

9.5" O.C.

16" O.C.

More Units can be stacked

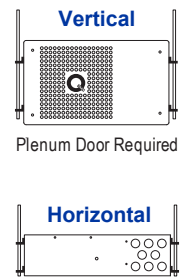
### SURFACE STACKING



9.5" O.C.

More Units can be stacked

### ROD SUSPENSION



Vertical

Plenum Door Required

Horizontal

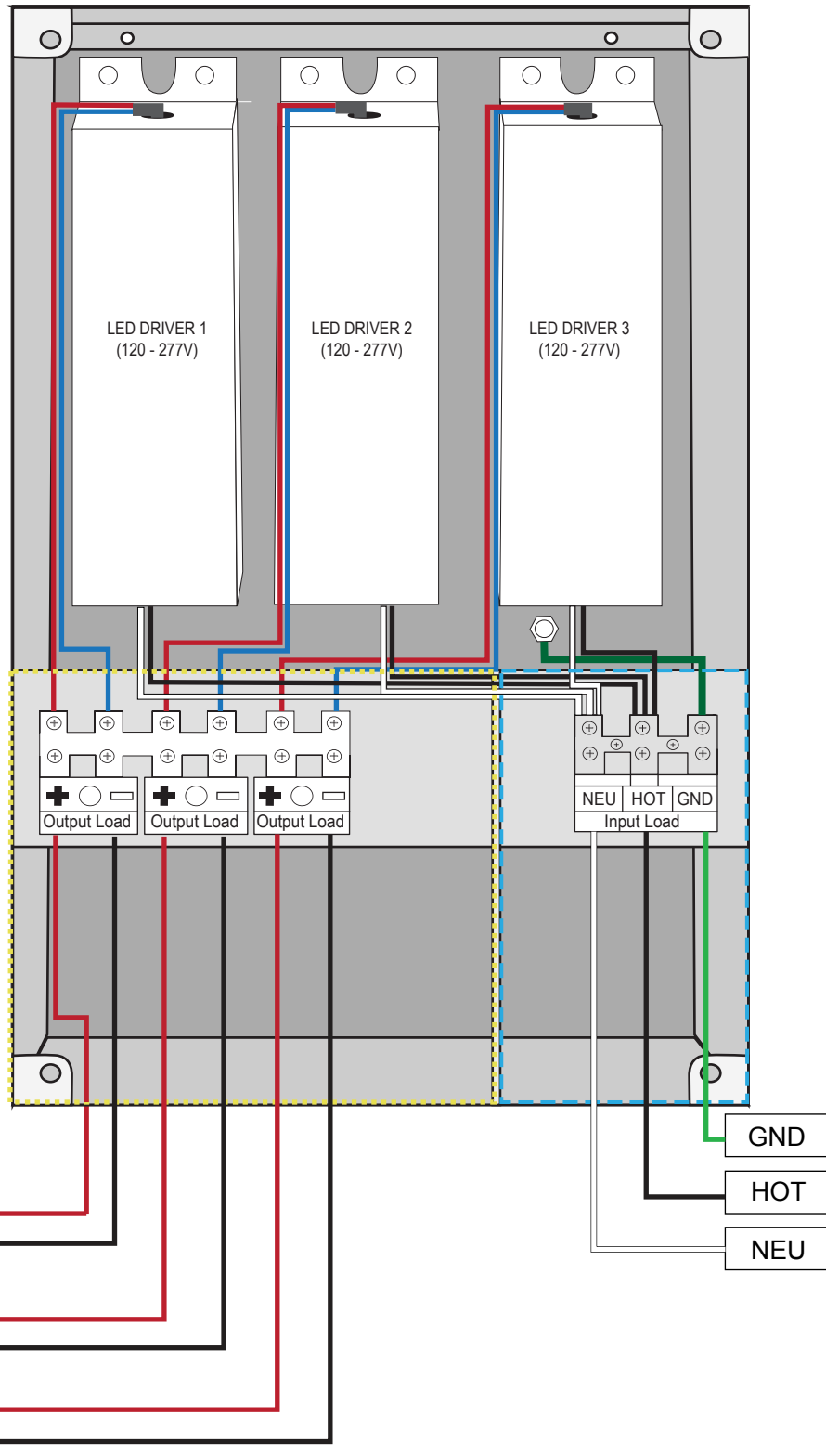
NOTE: Rods not included.



QTM-eLED

# Driver with no Dimming Module

QTM-eLED

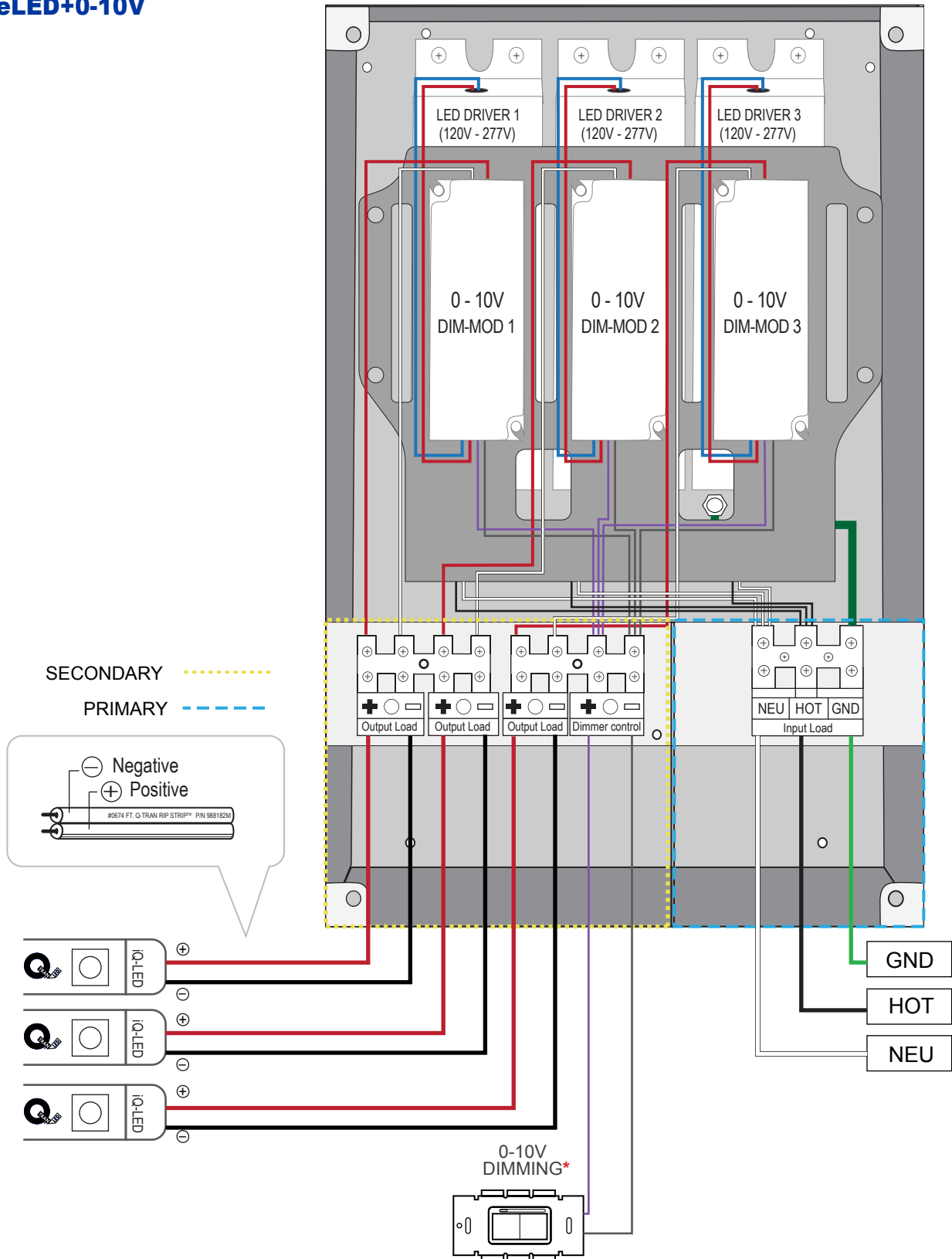




QTM-eLED

# Driver with Dimming Module

QTM-eLED+0-10V



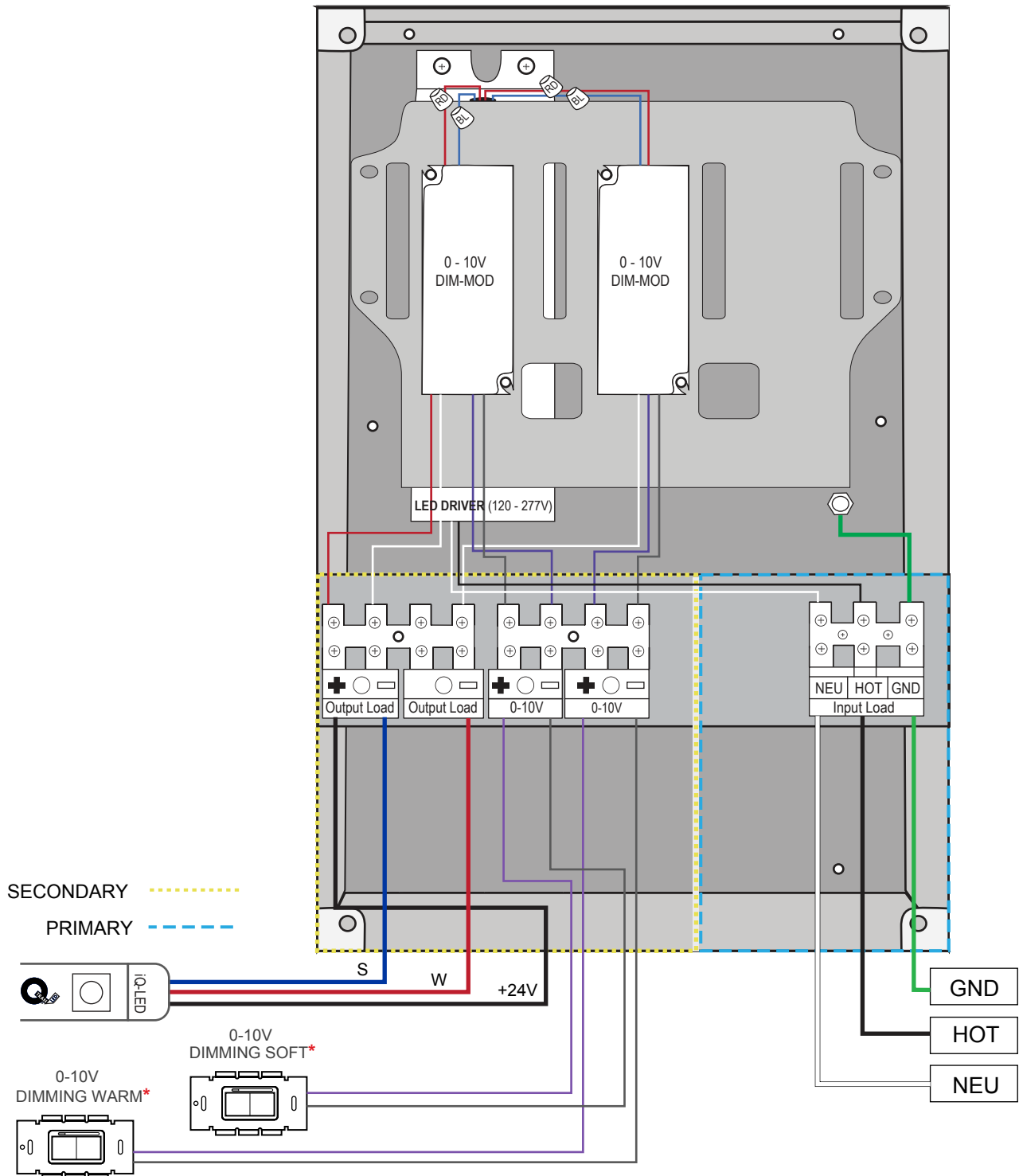
\*Customer provided



QTM-eLED

# Driver with Dimming Module

**QTM-eLED+0-10V:** Adjustable White



\*Customer provided



QTM-eLED  
**CSA LABEL**

## 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.

QTM-eLED		INPUT VOLTAGE			OUTPUT VOLTAGE		CONTROL TYPE
		120V - 277V			12V	24V	0-10V
Model	Input Voltage (V)	Input Current (A)	Frequency	Nominal Output Voltage (VDC)	Nominal Output Wattage (W)	WIRE CONNECTION WITHOUT DIMMER	
○ ○ ○	QTM-eLED-60	120 / 277	0.60 / 0.29	50/60	12	60	Red = +24V Blue = -24V
	QTM-eLED-120	120 / 277	1.20 / 0.58	50/60	12	120	
	QTM-eLED-180	120 / 277	1.80 / 0.87	50/60	12	180	
○ ○ ○	QTM-eLED-100	120 / 277	0.95 / 0.40	50/60	24	100	WIRE CONNECTION WITH DIMMER Red = +24V White = -24V
	QTM-eLED-200	120 / 277	1.90 / 0.80	50/60	24	200	
	QTM-eLED-300	120 / 277	2.85 / 1.20	50/60	24	300	

- Type Ic Recessed, Inherently Protected  
Type IC ENCASTRE, PROTECTION INHÉRENTE
- For Supply Connections Use Wire Rated For At Least 60 C.
- Suitable For Damp Locations  
CONVIENT AUX EMPLACEMENTS HUMIDES
- 50/60 Cycle
- Class 1 or Class 2

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.

CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE QUI CONNAÎT BIEN LE PRODUIT ET SON FONCTIONNEMENT AINSI QUE LES RISQUES INHÉRENTS.

**WARNING:**  
RISK OF FIRE. IF INSTALLATION INVOLVES RUNNING WIRE THROUGH A BUILDING STRUCTURE, SPECIAL WIRING METHODS ARE NEEDED. CONSULT A QUALIFIED ELECTRICIAN

LOW VOLTAGE LIGHTING SYSTEM  
Q-Tran, Inc.  
CLASS: 3425 - 15  
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