



# QTM-eLED

QTM-eLED is Q-Tran's surface or recessed mount, interior rated electronic power supply, utilizing 60W or 100W constant voltage LED driver from Thomas research. 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 years warranty
- Driver has Class A sound rating
- Class 2 output
- CSA #239924

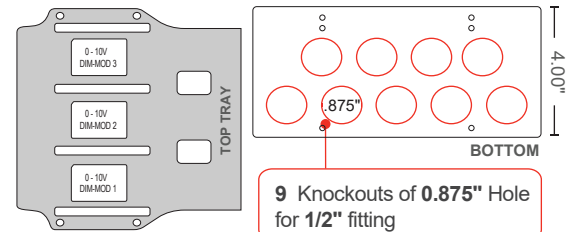
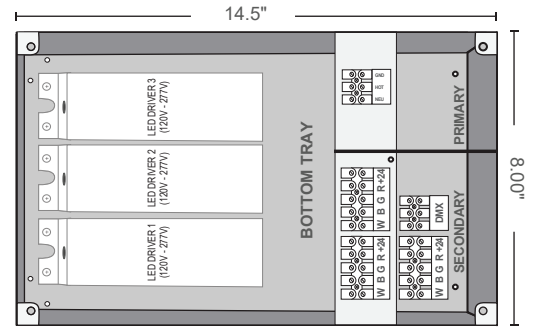
### Low Voltage Lighting Systems

- : 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 standard 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

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'	4'
	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



NOTE: 16 additional side knockouts

ORDERING GUIDE					
Model	Size	Prim. V	Sec. V	Dimmer	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 N/A : No dimming					
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

2020-04-08-V1

PROJECT NAME	DATE	COMPANY	TYPE	NOTE



QTM-eLED

# SPECIFICATIONS

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Input	12VDC			24VDC		
	▪ Input voltage (Vrms)	120	230	277	120	230
▪ Input current, max (Arms)	0.58	0.30	0.25	0.98	0.51	0.42
▪ Inrush current, max* (Apk)	----	----	----	45	90	100
▪ Input frequency	50/60			50/60		
▪ Input power (W)	70			117		
Output	12VDC			24VDC		
	12			24		
▪ Output current (A)	5.0			4.1		
▪ Output power (W)	60			100		
▪ Dimming 0-10V, max	2mA					
Environmental	Min	Nom	Max	Min	Nom	Max
	----	----	20	----	----	20
▪ THD (%)	----	----	----	0.90	----	----
▪ PF (%)	----	----	90	----	----	90
▪ Case Temp (°C)	----	----	----	----	----	----

\*- 200us event

### Protections

- Short Circuit Protection (SCP)
- Over Voltage Protection (OVP)
- Over Current Protection (OCP)
- Class 2 Output

### Compliance

- EMI Spec : FCC 47 Part 15  
: EN61000-3-2

- CSA Certified : UL-2108  
: UL-8750  
: CSA C22.2 No 250.0-08  
: CSA C22.2 No 250.13-14



## 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 2% or less of rated output voltage
  - : The ability to be dimmed using 0-10V dimming
  - : Universal input range of 120-277 Vrms
- Low Voltage Lighting Systems
  - : CSA Class 3425-15 and Class 3425-95
  - : Short circuit protection (SCP)
  - : Over voltage protection (OVP)
  - : Over current protection (OCP)
  - : 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



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