



# QTM-eLED(L)

QTM-eLED(L) is Q-Tran's interior rated electronic power supply, utilizing the Hi-Lume driver from Lutron. Suitable for surface or recessed mounting use. These drivers provide a 12VDC or 24VDC, constant voltage output and are phase dimmed.

## HOUSING

- 18 gauge Welded Steel Enclosure: 14.5"W x 8.0"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
- Fully potted driver(s) for moisture resistance
- Suitable for dry and damp locations
- Suitable for surface or recessed mounting use
- Primary Voltage - (120 V)
- Phase Dimmed
- Wide operating temperature range: 32°F -149°F
- Fits up to 5 of the 40W drivers in the same housing
- 5 year warranty
- Class 2 Output
- CSA #239924

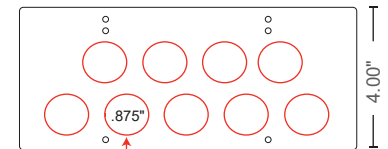
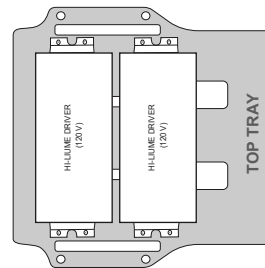
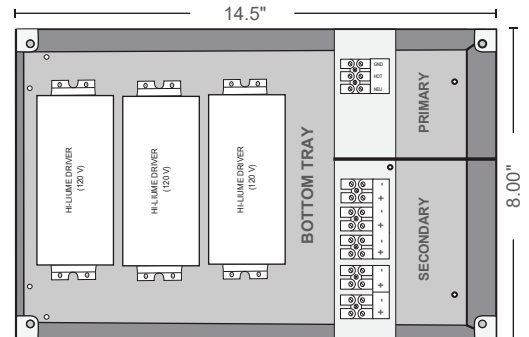
### Low Voltage Lighting Systems

- CSA Class 3425-15 and Class 3425-95
- CSA Standard C22.2 No. 250.0-08 - Luminaires
- ANSI/ UL 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'
	40	58'	36'	22'	9'	5'	3'			
24	25	567'	356'	224'	141'	88'	56'	35'	22'	14'
	40	309'	194'	122'	77'	48'	30'	30'	12'	7'

- \* 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.



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

NOTE: 16 additional side knockouts

ORDERING GUIDE			
Model	Size	Prim. V	Sec. V
QTM-eLED(L)	-	120	-
1 Size	Max Load (Watts)	Secondary Voltage(12/24VDC)	Max Prim. Amps @ 120V
40W	1x40W	12/24VDC	0.41 A
80W	2x40W	12/24VDC	0.82 A
120W	3x40W	12/24VDC	1.23 A
160W	4x40W	12/24VDC	1.64 A
200W	5x40W	12/24VDC	2.05 A
2 Primary Voltage			
120V			
3 Secondary Voltage			
12VDC		24VDC	
4 Options			
WH White (Standard)		BK Black Powder Coat Finish	
Ordering Example			
<b>QTM-eLED(L)-40-120/12</b>			

2020-01-10-V1

PROJECT NAME	DATE	COMPANY	TYPE	NOTE



QTM-eLED(L)

# SPECIFICATIONS

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Input	12VDC			24VDC		
	▪ Input Voltage (Vrms)	120			120	
▪ Input current, max (Arms)	0.41			0.37		
▪ Inrush Current, max* (Apk)	2			2		
▪ Input Frequency	50/60			50/60		
▪ Input Power (W)	70			117		
Output	12VDC			24VDC		
	▪ Output Voltage, nom (V)	12			24	
▪ Output Current (A)	3.3			1.7		
▪ Output Power (W)	40			40		
▪ Efficiency	70%			84%		
Environmental	Min	Nom	Max	Min	Nom	Max
	▪ THD (%)	----	----	20	----	----
▪ PF (%)	0.90	----	----	0.90	----	----
▪ Case Temp (°C)	----	----	90	----	----	90

### Protections

- Short Circuit Protection (SCP)
- Overload Protection (OLP)
- Class 2 Output

### Compliance

- EMI Spec : FCC 47 Part 15  
: CISPR 15  
: CISPR 22 Class A
- CSA Certified : UL-2108  
: UL-8750  
: CSA C22.2 No 250.0-08  
: CSA C22.2 No 250-13.14



\*- 200us event

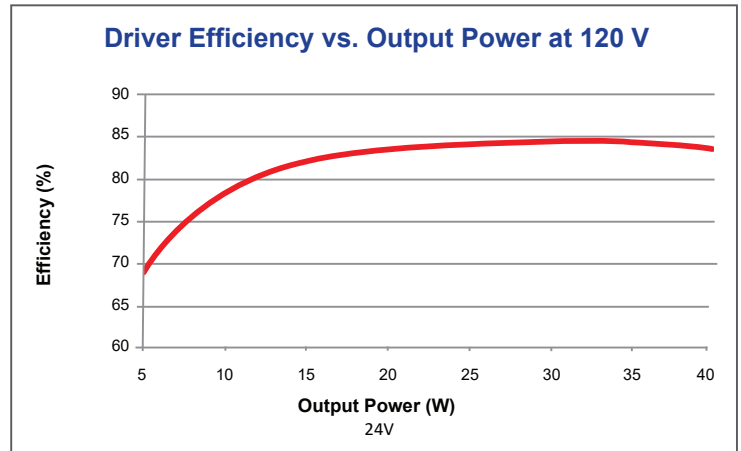
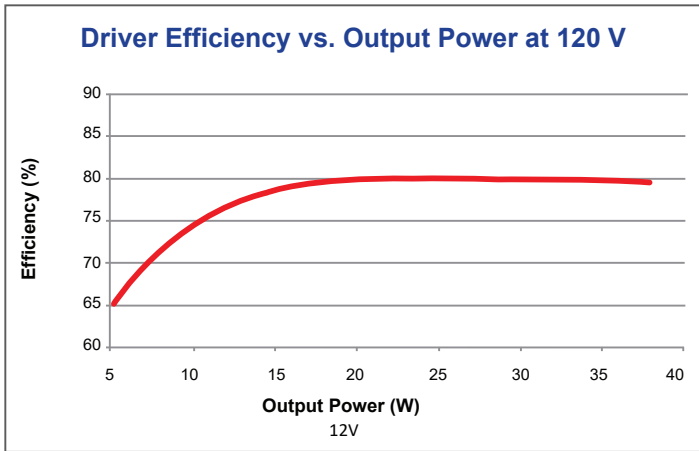
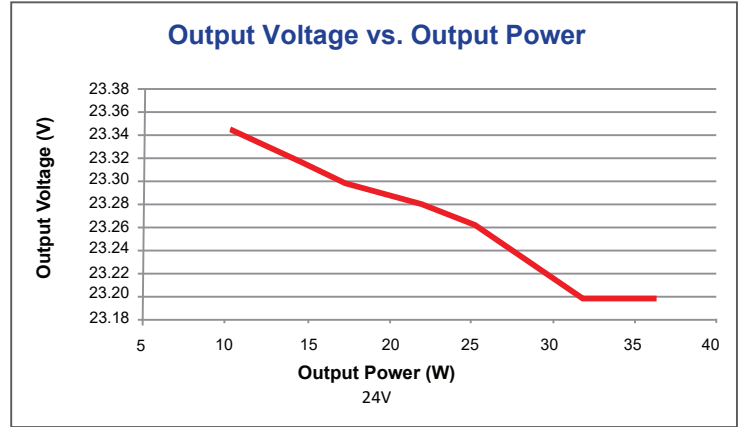
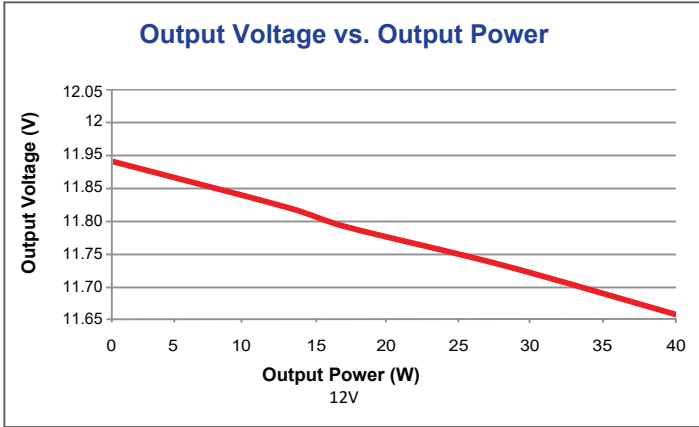
## PERFORMANCE

- 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
  - : Primary Voltage of 120V
  - : Rated for CSA Class 3425-15 and Class 3425-95
  - : Short circuit protection (SCP)
  - : Overload protection (OLP)
  - : Live tested by manufacture to ensure proper operation
  - : Manufacturer offers minimum of 5 year 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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# SPECIFICATIONS



## Wiring Diagram

