



# QTM-eLED+WD

**QTM-eLED+WD** is Q-Tran's interior rated surface or recess mounted electronic Warm Dim power supply, utilizing a 100W constant voltage LED Driver from Thomas Research. With the ability to fit up to 300W of power and control in one enclosure, this unit provides plenty of flexibility and comes with all module prewired together with terminal blocks for landing your LED and Control wires.

## HOUSING

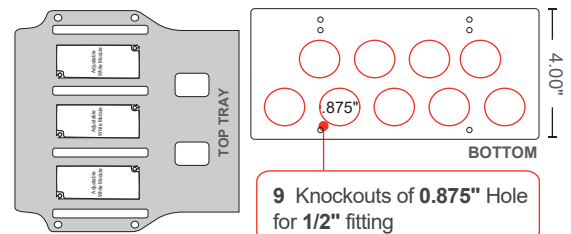
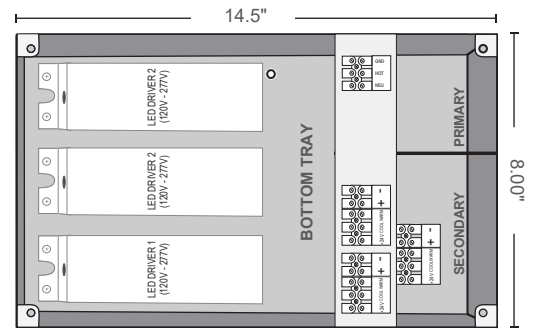
- 18 gauge Welded Steel Enclosure: 14.5"W x 8.00"H x 4.00"D
- Door: 15.5"W x 9.00"H
- Knockouts: 25
- Built-in support bracket incorporated to secure housing for surface mounting

## FEATURES

- Q-Tran Proprietary dimming curve
- Limited output voltage and current, plus isolation for safe operation
- Fully potted driver(s) for moisture resistance
- Controllable with 0-10V input for Warm-Dim functionality
- Suitable for dry and damp locations
- Suitable for surface or recessed mounting use
- Primary Voltage - Universal (120-277V )
- Wide operating temperature range: -4 degF to 122 degF
- Fits up to (3):100W 24 VDC driver(s) and Warm-Dim Module
- 0-10V dimming down to 0%
- Driver has Class A sound rating
- Class 2 Output
- 5 year warranty
- 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
- : ANSI/ UL Standard 8750 - Light Emitting Diode (LED) Equipment for Use in Lighting Products
- : CSA Std C22.2 No 250.13-14 - Light Emitting Diode (LED) Equipment for Lighting Applications



NOTE: 16 additional side knockouts

ORDERING GUIDE					
Model	Size	Prim. V	Sec. V	Dimmer	Opts
QTM-eLED	-	UNV	/	WD	-
1 Size	Max Load (Watts)	Secondary Voltage(12/24VDC)	Max Prim. Amps@120V	Max Prim. Amps@277V	
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					
24VDC					
4 Dimmer					
WD Warm Dim					
5 Options					
WH White ( Standard )    BK Black Powder Coat Finish					
Ordering Example					
<b>QTM-eLED-100-UNV/24+WD</b>					



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

2020-01-10-V1

PROJECT NAME	DATE	COMPANY	TYPE	NOTE



QTM-eLED+WD

# SPECIFICATIONS

## 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> )
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

## SPECIFICATIONS

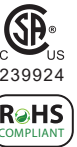
Input	24VDC		
	Min	Nom	Max
<ul style="list-style-type: none"> <li>Input Voltage (Vrms)</li> <li>Input current, max (Arms)</li> <li>Inrush Current, max* (Apk)</li> <li>Input Frequency</li> <li>Input Power (W)</li> </ul>	120	230	277
	0.98	0.51	0.43
	----	20	----
	50/60		
	117		
Output	RGB	RGBW	
<ul style="list-style-type: none"> <li>Output Voltage, nom (V)</li> <li>Output Current (A)</li> <li>Output Power (W)</li> <li>Dimming 0-10V, max</li> </ul>	24	24	
	2.0	1.5	
	100	100	
	2mA		
Environmental	Min	Nom	Max
<ul style="list-style-type: none"> <li>THD (%)</li> <li>PF (%)</li> <li>Case Temp (°C)</li> </ul>	----	----	20
	0.90	----	----
	----	----	90

### Protections

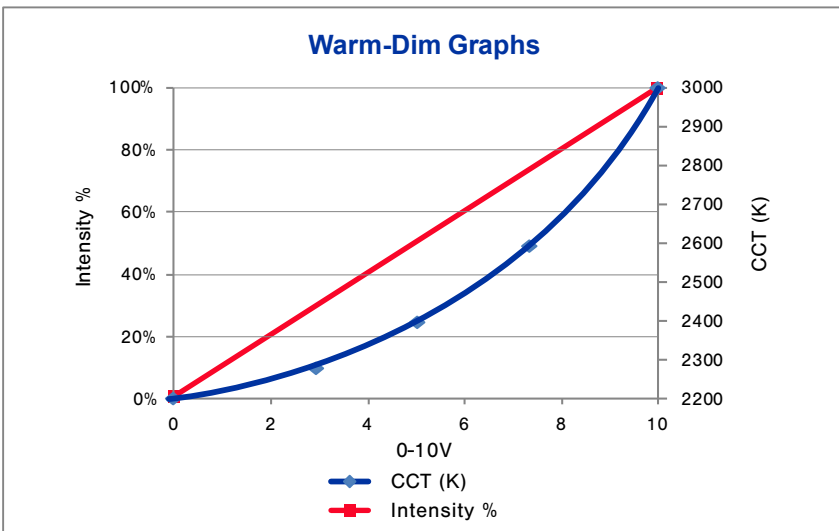
- Short Circuit Protection (SCP)
- Over Voltage Protection (OVP)
- Over Current Protection (OCP)
- Class 2 Output

### 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



\*- 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 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 manufacturer 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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# POWER SUPPLY

## QTM-eLED+WD

: for interior

