



# QOM-eLED

**QOM-eLED** is Q-Tran's exterior rated surface mounted 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: 9.22"W x 15.4"H x 4.90"D
- Door: 9.27"W x 14.5"H
- Knockouts: 9
- Built-in support bracket incorporated to secure housing for surface mounting

## FEATURES

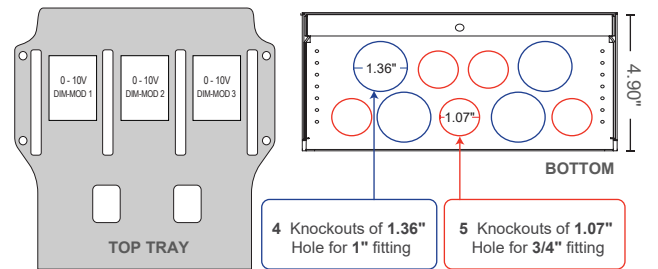
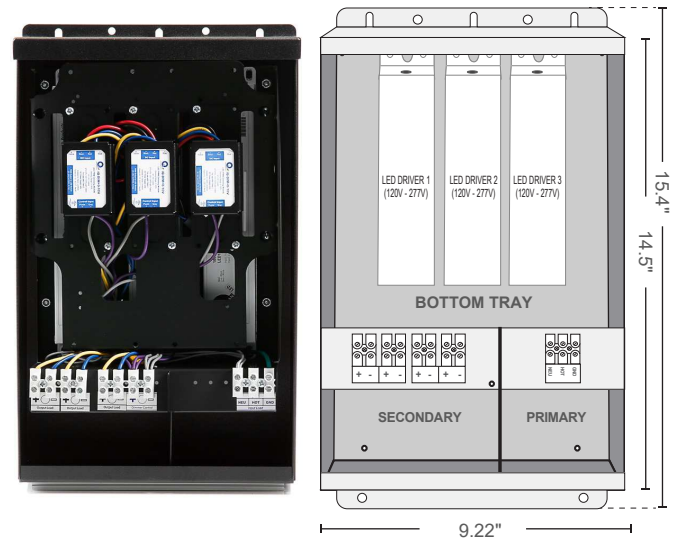
- Limited output voltage and current, plus isolation for safe operation
- Dimmable w/ additional 0-10V Dimming Module
- Fully potted driver(s) for moisture resistance
- Surface mount only
- Suitable for dry, damp and wet locations
- Suitable for Indoor or Outdoor Use
- Suitable for Use with Submersible Luminaire
- 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
- 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

### LED Landscape Lighting Systems

- : CSA Class 3402-15 and Class 3402-95
- : CSA Standard C22.2 No. 250.7-07 - Extra-Low-Voltage Landscape Lighting Systems
- : ANSI/ UL Standard 1838 - Low Voltage Landscape 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



ORDERING GUIDE					
Model	Size	Prim. V	Sec. V	Dimmer	Opts
<b>QOM-eLED</b>	-	<b>UNV</b>	/	+	-
<b>1 Size</b>	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	
<b>2 Primary Voltage</b>					
<b>UNV: 120-277 Vrms</b>					
<b>3 Secondary Voltage</b>					
<b>12VDC 24VDC</b>					
<b>4 Dimmer</b>					
<b>0-10V</b>					
<b>5 Options</b>					
<b>BK</b> Black Powder Coat Finish (Standard)			<b>SS</b> 316 Marine Grade Stainless Steel		
Ordering Example					
<b>QOM-eLED-100-UNV/24V+0-10V</b>					



LOW VOLTAGE LIGHTING SYSTEM & LANDSCAPE LIGHTING SYSTEMS  
 CLASS: 3425 - 15 3402 - 15  
 3425 - 95 3402 - 95

2020-01-10-V1

PROJECT NAME	DATE	COMPANY	TYPE	NOTE



QOM-eLED

# 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> )
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

## SPECIFICATIONS

Input	12VDC			24VDC		
	<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 (Hz)</li> <li>Input Power (W)</li> </ul>	120 0.58 ---	230 0.30 ---	277 0.25 ---	120 0.98 45	230 0.51 90
	50/60 70			50/60 117		
Output	12VDC			24VDC		
	<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>	12 5.0 60			24 4.1 100	
	2mA					
Environmental	Min	Nom	Max	Min	Nom	Max
	<ul style="list-style-type: none"> <li>THD (%)</li> <li>PF (%)</li> <li>Case Temp (°C)</li> </ul>	— 0.90 —	— — —	20 — 90	— 0.90 —	— — —
Protections	Compliance					
	<ul style="list-style-type: none"> <li>Short Circuit Protection (SCP)</li> <li>Over Voltage Protection (OVP)</li> <li>Over Current Protection (OCP)</li> <li>Class 2 Output</li> </ul>	<ul style="list-style-type: none"> <li>EMI Spec : FCC 47 Part 15 : EN61000-3-2</li> <li>CSA Certified : UL-2108 : UL-1838 : UL-8750 : CSA C22.2 No 250.7-07 : CSA C22.2 No 250.0-08 : CSA C22.2 No 250.13-14</li> </ul>				
	 					

\*- 200us event

## PERFORMANCE

- Power Supply
  - : Rated for surface mount or outdoor 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
- LED Landscape Lighting System Components
  - : CSA Class 3402-15 and Class 3402-95
  - : Short circuit protection (SCP)
  - : Over voltage protection (OVP)
  - : Over current protection (OCP)
  - : 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

