



# QOM-eLED

Constant Voltage LED Driver with an option to have 0-10V Dimming built-in. The QOM-eLED is available in 12VDC from 60-180W or 24VDC from 100-300W. It is indoor and outdoor-rated with an additional option to be used in Pool & Spa Applications. This surface mountable power supply comes standard in black and is also available in Stainless Steel. UL and Class II Listed.

## 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 Pool and Spa Application
- Suitable for Use with Submersible Luminaire
- Primary Voltage - Universal (120-277V)
- Wide operating temperature range: -40°F to 104°F
- Fits up to (3): 60W 12VDC or 100W 24VDC drivers and (1) 0-10V dimming module
- Driver has Class A sound rating
- Class 2 Output
- 5 year warranty
- CSA Listing #239924

## CLASSIFICATIONS

### 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

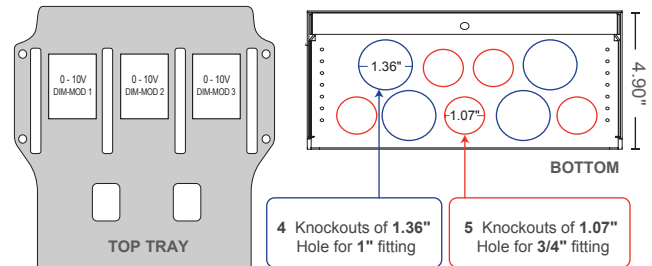
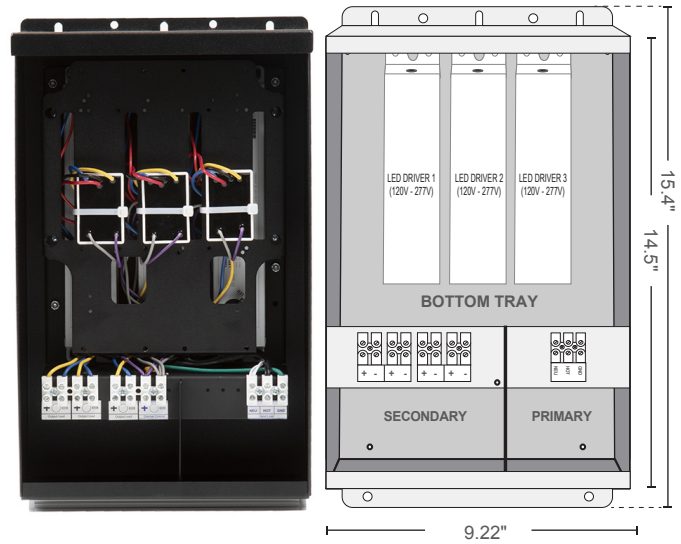
### LED Landscape Lighting Systems

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

### Hydromassage (Pool and Spa)

CSA Class 3425-46 and class 3425-96  
 UL Standard 379 - Power Unit for Fountain, Swimming Pool and Spa Luminaires  
 CSA STD C22.2 NO.89-15-Swimming Pool Luminaire, Submersible Luminaires and Accessories

Non Pool & Spa model shown



ORDERING GUIDE						
Model	Size	Prim. V	Sec. V	DIM	Housing	Opts
QOM-eLED	-	UNV	/	+	-	-
<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>	UNV: 120-277 Vrms		<b>5. Housing</b>			
<b>3. Secondary Voltage</b>	12VDC 24VDC		BK Black Powder Coat Finish (Standard)			
<b>4. Dimmer</b>	0-10V		SS 316 Marine Grade Stainless Steel			
			<b>6. Options</b>			
			PS Pool & Spa			
Ordering Example						
<b>QOM-eLED-100-UNV/24+0-10V</b>						



20180823-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'	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

## 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 : UL 379 : CSA C22.2 No 250.7-07 : CSA C22.2 No 250.0-08 : CSA C22.2 No 250.13-14 : CSA C22.2 No 89-15</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
- Hydromassage (Pool and Spa)
  - : CSA Class 3425-46 and Class 3425-96
- 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

