



QOM-eLED-PS

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

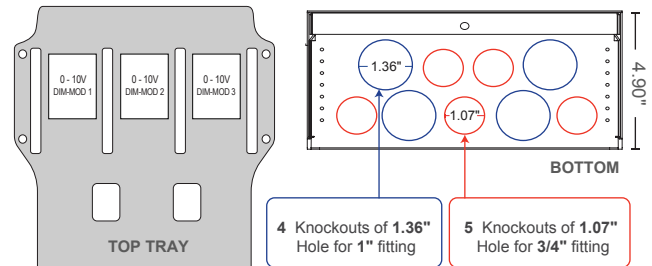
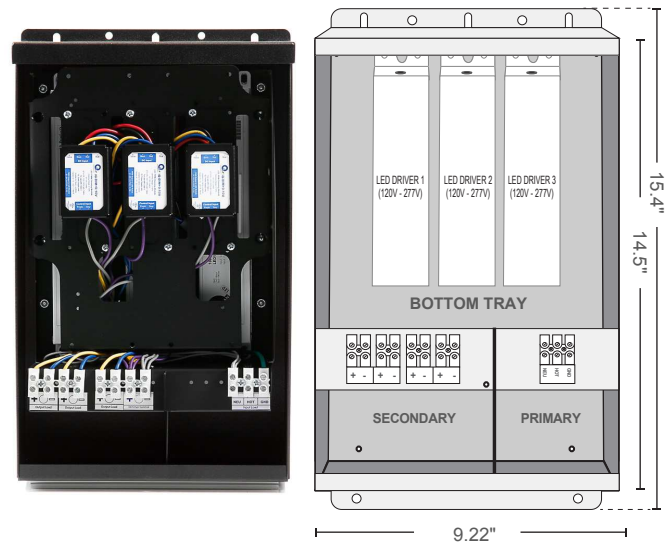
- CSA Class 3425-15 and Class 3425-95
- CSA Standard C22.2 No. 250.0-08 - Luminaires
- ANSI/ UL Standard 2108 - Low Voltage Lighting Systems
- ANSI/ UL Standard 8750 - Light Emitting Diode (LED) Equipment for Use in Lighting Products
- CSA Std C22.2 No 250.13-14 - Light Emitting Diode (LED) Equipment 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



ORDERING GUIDE						
Model	1 Size	2 Prim. V	3 Sec. V	4 DIM	5 Housing	6 Opts
QOM-eLED	-	UNV	/	24	+	PS
1. Size						Max Prim. Amps @ 120V
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			5. Housing			
UNV: 120-277 Vrms			BK Black Powder Coat Finish (Standard)			
3. Secondary Voltage			SS 316 Marine Grade Stainless Steel			
24VDC			6. Options			
4. Dimmer			PS Pool & Spa			
0-10V						
Ordering Example						
QOM-eLED-100-UNV/24+0-10V						



20181024-V1

PROJECT NAME	DATE	COMPANY	TYPE	NOTE



QOM-eLED-PS

SPECIFICATIONS



WIRE LENGTH TABLE

VOLTAGE DROP CHART										
VDC	Watts (W)	10 AWG (5.6mm ²)	12 AWG (3.3mm ²)	14 AWG (3.0mm ²)	16 AWG (1.3mm ²)	18 AWG (0.78mm ²)	20 AWG (0.50mm ²)	22 AWG (0.33mm ²)	24 AWG (0.20mm ²)	26 AWG (0.13mm ²)
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 <ul style="list-style-type: none"> ▪ Input Voltage (Vrms) ▪ Input current, max (Arms) ▪ Inrush Current, max* (Apk) ▪ Input Frequency (Hz) ▪ Input Power (W) 	12VDC			24VDC		
	120	230	277	120	230	277
	0.58	0.30	0.25	0.98	0.51	0.42
	---	---	---	45	90	100
	50/60			50/60		
	70			117		
Output <ul style="list-style-type: none"> ▪ Output Voltage, nom (V) ▪ Output Current (A) ▪ Output Power (W) ▪ Dimming 0-10V, max 	12VDC			24VDC		
	12			24		
	5.0			4.1		
	60			100		
	2mA					
Environmental <ul style="list-style-type: none"> ▪ THD (%) ▪ PF (%) ▪ Case Temp (°C) 	Min	Nom	Max	Min	Nom	Max
	---	---	20	---	---	20
	0.90	---	---	0.90	---	---
	---	---	90	---	---	90
Protections <ul style="list-style-type: none"> ▪ Short Circuit Protection (SCP) ▪ Over Voltage Protection (OVP) ▪ Over Current Protection (OCP) ▪ Class 2 Output 	Compliance <ul style="list-style-type: none"> ▪ EMI Spec : FCC 47 Part 15 : EN61000-3-2 ▪ 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 					
	 					

*- 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

