

QOM-eLED-PS

LED POWER SUPPLY 100W-300W

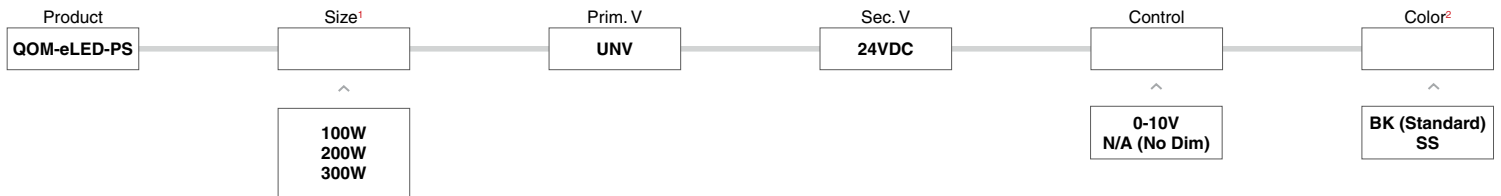


QOM-eLED-PS is Q-Tran's constant voltage LED driver with an option to have 0-10V dimming built-in. The QOM-eLED-PS is available in 24VDC from 100-300W. It is indoor and outdoor rated with an additional option to be used in pool & spa applications. This surface mountable power supply comes standard in black and is also available in stainless steel. UL and Class II Listed.

Non Pool & Spa model shown



Part Number Builder



Technical Information

¹ Size

Size	Max Load (Watts)	Secondary Voltage (12/24VDC)	Max Prim Amps @ 120V	Max Prim Amps @ 277V
100W	1x100W	24VDC	0.95A	0.40A
200W	2x100W	24VDC	1.90A	0.80A
300W	3x100W	24VDC	2.85A	1.20A

² Color

- BK** Black Powder Coat Finish (Standard)
- SS** 316 Marine Grade Stainless Steel

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 (0.22mm ²)	26 AWG (0.13mm ²)
		24	17	89'	56'	35'	22'	14'	8'	5'
	25	56'	35'	22'	14'	8'	5'	3'	2'	1'
	40	30'	19'	12'	7'	4'	3'	2'	1'	0'
	80	13'	8'	5'	3'	2'	1'	0'	0'	0'
	100	8'	5'	3'	2'	1'	0'	0'	0'	0'

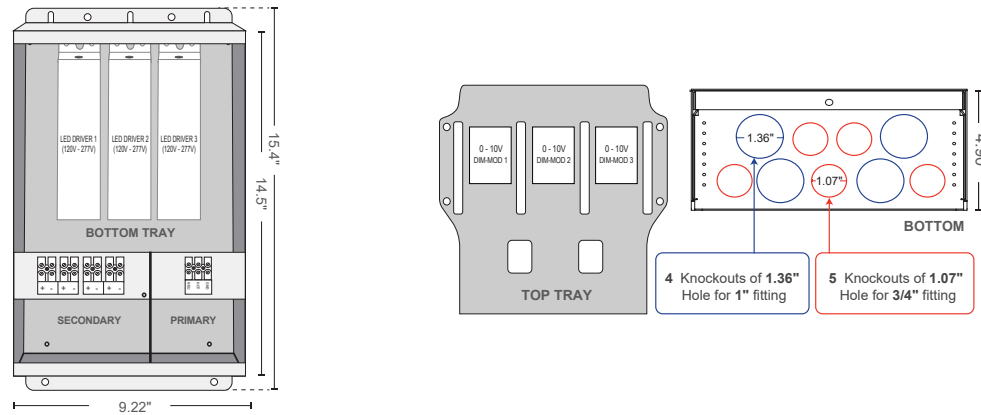
*Distances are based on a 5% Voltage drop max.

- 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



QOM-eLED-PS

LED POWER SUPPLY 100W-300W



Housing

- 18 gauge welded steel enclosure: 15.4"L x 9.22"W x 4.90"D
- Door: 14.5"L x 9.27"W
- Knockouts: 9
- Built-in support bracket incorporated to secure housing for surface mounting

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 & Spa)**

- : CSA Class 3425-46 and Class 3425-96

- : Short circuit protection (SCP)
- : Over voltage protection (OVP)
- : Over current protection (OCP)
- : Live tested by the manufacture to ensure proper operation
- : Manufacturer offers a minimum of 5 years warranty
- Terminal blocks is made of tin plated copper with a voltage rating of 300V and a current rating of 40A

- Limited output voltage and current, plus isolation for safe operation
- Dimmable w/additional 0-10V dimming module
- Fully potted driver(s) for moisture resistance
- Suitable for dry, damp, and wet locations
- Surface mount only
- Suitable for use with submersible luminaire
- Suitable for pool and spa application
- Primary voltage - universal (120-277V)
- Wide operating temperature range: -40°F to 104°F
- Fits up to (3): 100W 24VDC driver(s) and (1) 0-10V dimming module
- 5 year warranty
- Driver has Class A sound rating

- 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 System

- : 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

- 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



Specifications

Input	24VDC		
Input Voltage (Vrms)	120	230	277
Input Current, max (Arms)	0.98	0.51	0.42
Inrush Current, max* (Apk)	45	90	100
Input Frequency (Hz)	50/60		
Input Power (W)	177		

Output	24VDC
Output Voltage, nom (V)	24
Output Current (A)	4.1
Output Power (Wmax)	100
Dimming 0-10V, max	2mA

Environmental	Min	Nom	Max
THD (%)	---	---	20
PF (%)	0.90	---	---
Case Temp (°C)	---	---	90

*- 200us event

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-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

