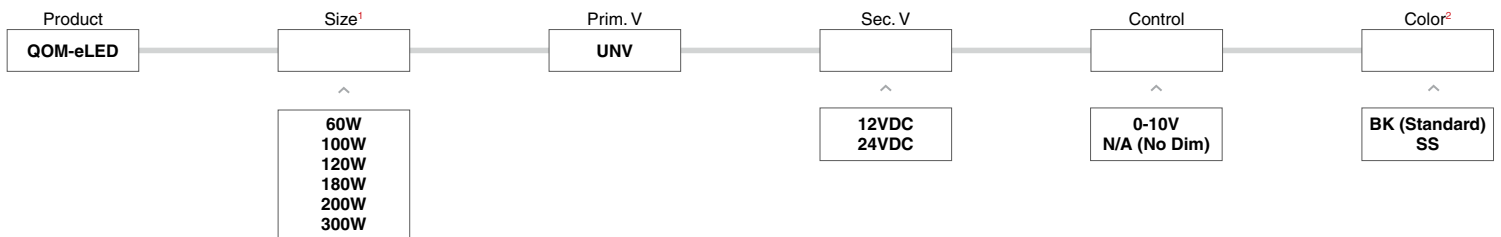


QOM-eLED is Q-Tran's exterior rated surface mounted electronic power supply, utilizing 60W or 100W constant voltage LED driver from Thomas research. These drivers provide a 12VDC or 24VDC, constant voltage output, with optional 0-10V dimming modules.



Part Number Builder



Technical Information

¹ Size

| Size | Max Load (Watts) | Secondary Voltage (12/24VDC) | Max Prim Amps @ 120V | Max Prim Amps @ 277V |
|------|------------------|------------------------------|----------------------|----------------------|
| 60W | 1x60W | 12VDC | 0.60A | 0.29A |
| 120W | 2x60W | 12VDC | 1.20A | 0.58A |
| 180W | 3x60W | 12VDC | 1.80A | 0.87A |
| 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

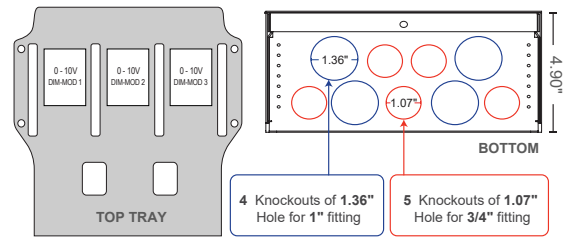
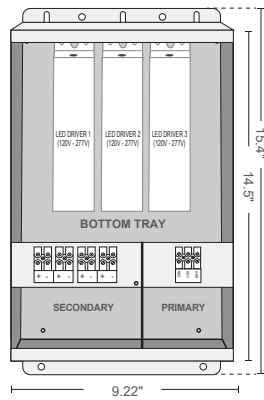
Voltage Drop Chart

| 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) |
|-----|-----------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 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





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
- 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
- Primary voltage - universal (120-277V)
- Wide operating temperature range: -40°F to 104°F
- Fits up to (3): 60W 12VDC or (3):100W 24VDC driver(s) and 0-10V dimming module(s) in the same housing
- 5 years 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 3426-04 and Class 3426-94
 - : 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



Specifications

| Input | 12VDC | | | 24VDC | | |
|----------------------------|-------|------|------|-------|------|------|
| | 120 | 230 | 277 | 120 | 230 | 277 |
| Input Voltage (Vrms) | 120 | 230 | 277 | 120 | 230 | 277 |
| Input Current, max (Arms) | 0.58 | 0.30 | 0.25 | 0.98 | 0.51 | 0.42 |
| Inrush Current, max* (Apk) | --- | --- | --- | 45 | 90 | 100 |
| Input Frequency (Hz) | 50/60 | | | 50/60 | | |
| Input Power (W) | 70 | | | 177 | | |

| Output | 12VDC | | 24VDC | |
|-------------------------|-------|-----|-------|-----|
| | 12 | 24 | 12 | 24 |
| Output Voltage, nom (V) | 12 | 24 | 12 | 24 |
| Output Current (A) | 5.0 | 4.1 | 5.0 | 4.1 |
| Output Power (Wmax) | 60 | 100 | 60 | 100 |
| Dimming 0-10V, max | 2mA | | | |

| Environmental | Min | Nom | Max | Min | Nom | Max |
|----------------|------|-----|-----|------|-----|-----|
| THD (%) | --- | --- | 20 | --- | --- | 20 |
| PF (%) | 0.90 | --- | --- | 0.90 | --- | --- |
| Case Temp (°C) | --- | --- | 90 | --- | --- | 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
: CSA C22.2 No 250.7-07
: CSA C22.2 No 250.0-08
: CSA C22.2 No 250.13-14

