



# QOM-eLED+0-10V

12V or 24V DC Power Supply -  
60W-300W



- Surface mount, exterior rated LED power supply center
- Utilizes Advance Xitanium drivers with 0-10V dimming modules
- Designed for powering 12VDC or 24VDC constant voltage products
- Suitable for 0-10V dimming or on/off applications
- 0-10V dimming provides smooth dimming through PWM to the fixture
- UL listed enclosure can accommodate 1-3 drivers and 1-3 dimming modules
- Offers versatility for various applications

| 1<br>PRODUCT | 2<br>WATTAGE | 3<br>PRIMARY VOLTAGE | 4<br>SECONDARY VOLTAGE | 5<br>CONTROL | 6<br>COLOR |
|--------------|--------------|----------------------|------------------------|--------------|------------|
| QOM-eLED     |              | UNV                  |                        | 0-10V        |            |

Sample Part Number: QOM-eLED-60W-UNV-12VDC-0-10V-BK

|              |   |                               |                        |
|--------------|---|-------------------------------|------------------------|
| 1<br>PRODUCT | 2<br>WATTAGE  | 3<br>PRIMARY VOLTAGE          | 4<br>SECONDARY VOLTAGE |
| QOM-eLED     | 60W<br>120W<br>180W   | UNV      Universal (120-277V) | 12VDC                  |
|              | 100W<br>200W<br>300W  | UNV      Universal (120-277V) | 24VDC                  |
| 5<br>CONTROL | 6<br>COLOR  |                               |                        |
| 0-10V        | BK      Black Powder Coat Finish (Standard)<br>SS      316 Marine Grade Stainless Steel |                               |                        |

## COMPATIBLE LEDS

### STATIC WHITE

|                         |   |
|-------------------------|---|
| SW24/1.5-4.0            | ✓ |
| SW24/5.0, SW-HE, SW-HE+ | ✓ |
| SD-SW24/1.0-4.0         | ✓ |
| SD-SW24/6.0             | ✓ |
| SW-IA                   |   |
| SW-XT                   | ✓ |

### OTHER

|                             |   |
|-----------------------------|---|
| DW-HE Tunable Applications  |   |
| DW-HE Warm Dim Applications |   |
| WD                          | ✓ |
| SC                          | ✓ |
| RGB                         |   |
| RGBW, RGBW-HE               |   |

### SHEETS

|                                   |  |
|-----------------------------------|--|
| Q-SHEETS SW                       |  |
| Q-SHEETS DW Tunable Applications  |  |
| Q-SHEETS DW Warm Dim Applications |  |
| Q-SHEETS RGB                      |  |
| Q-SHEETS RGBW                     |  |

### MICRO 5

|                                  |   |
|----------------------------------|---|
| MICRO 5-SW                       | ✓ |
| MICRO 5-DW Tunable Applications  |   |
| MICRO 5-DW Warm Dim Applications |   |
| MICRO 5-RGB                      |   |

## PRODUCT INFORMATION

- Limited output voltage and current, plus isolation for safe operation
- Dimmable 0.1% - 100% 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 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 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



## QOM-eLED+0-10V

12V or 24V DC Power Supply - 60W-300W

### VOLTAGE DROP CHART

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 0-10

| VDC | Load (W) | Distance from PS for 5% Voltage Drop |        |        |        |        |        |        |        |        |
|-----|----------|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
|     |          | 10 AWG                               | 12 AWG | 14 AWG | 16 AWG | 18 AWG | 20 AWG | 22 AWG | 24 AWG | 26 AWG |
| 12  | 12       | 601                                  | 378    | 238    | 149    | 94     | 59     | 37     | 23     | 15     |
|     | 25       | 288                                  | 181    | 114    | 72     | 45     | 28     | 18     | 11     | 7      |
|     | 60       | 120                                  | 76     | 48     | 30     | 19     | 12     | 7      | 5      | 3      |
| 24  | 17       | 848                                  | 533    | 336    | 211    | 133    | 84     | 53     | 33     | 21     |
|     | 25       | 577                                  | 363    | 228    | 143    | 90     | 57     | 36     | 22     | 14     |
|     | 40       | 360                                  | 227    | 143    | 90     | 56     | 36     | 22     | 14     | 9      |
|     | 80       | 180                                  | 113    | 71     | 45     | 28     | 18     | 11     | 7      | 4      |
|     | 100      | 144                                  | 91     | 57     | 36     | 23     | 14     | 9      | 6      | 4      |

| VDC | Load (W) | Distance from PS for 3% Voltage Drop |        |        |        |        |        |        |        |        |
|-----|----------|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
|     |          | 10 AWG                               | 12 AWG | 14 AWG | 16 AWG | 18 AWG | 20 AWG | 22 AWG | 24 AWG | 26 AWG |
| 12  | 12       | 360                                  | 227    | 143    | 90     | 56     | 36     | 22     | 14     | 9      |
|     | 25       | 173                                  | 109    | 68     | 43     | 27     | 17     | 11     | 7      | 4      |
|     | 60       | 72                                   | 45     | 29     | 18     | 11     | 7      | 5      | 3      | 2      |
| 24  | 17       | 509                                  | 320    | 201    | 127    | 80     | 50     | 32     | 20     | 13     |
|     | 25       | 346                                  | 218    | 137    | 86     | 54     | 34     | 21     | 14     | 9      |
|     | 40       | 216                                  | 136    | 86     | 54     | 34     | 21     | 13     | 8      | 5      |
|     | 80       | 108                                  | 68     | 43     | 27     | 17     | 11     | 7      | 4      | 3      |
|     | 100      | 87                                   | 54     | 34     | 22     | 14     | 9      | 5      | 3      | 2      |

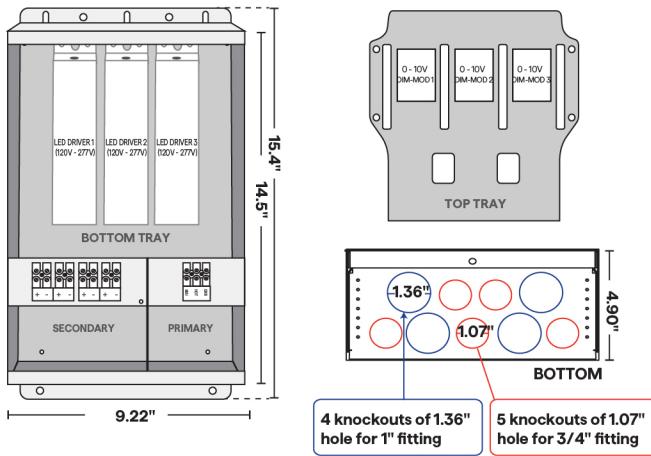
| VDC | Load (W) | Distance from PS for 1% Voltage Drop |        |        |        |        |        |        |        |        |
|-----|----------|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
|     |          | 10 AWG                               | 12 AWG | 14 AWG | 16 AWG | 18 AWG | 20 AWG | 22 AWG | 24 AWG | 26 AWG |
| 12  | 12       | 120                                  | 76     | 48     | 30     | 19     | 12     | 7      | 5      | 3      |
|     | 25       | 58                                   | 36     | 23     | 14     | 9      | 6      | 4      | 2      | 1      |
|     | 60       | 24                                   | 15     | 10     | 6      | 4      | 2      | 2      | 1      | 1      |
| 24  | 17       | 170                                  | 107    | 67     | 42     | 27     | 17     | 11     | 7      | 4      |
|     | 25       | 115                                  | 73     | 46     | 29     | 18     | 11     | 7      | 5      | 3      |
|     | 40       | 72                                   | 45     | 29     | 18     | 11     | 7      | 5      | 3      | 2      |
|     | 80       | 36                                   | 23     | 14     | 9      | 6      | 4      | 2      | 1      | 1      |
|     | 100      | 29                                   | 18     | 11     | 7      | 5      | 3      | 2      | 1      | 1      |



## QOM-eLED+0-10V

12V or 24V DC Power Supply - 60W-300W

### 1 PRODUCT - DIMENSIONS



### 2 TECHNICAL INFORMATION

| Wattage | Max Load (Watts) | Secondary Voltage | 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                |

### 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

- 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 manufacturer to ensure proper operation
- Terminal blocks are made of tin plated copper with a voltage rating of 300V and a current rating of 40A



## QOM-eLED+0-10V

12V or 24V DC Power Supply - 60W-300W

### SPECIFICATIONS

| Input                      | 12VDC |      |       | 24VDC |      |      |
|----------------------------|-------|------|-------|-------|------|------|
| 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 (Wmax)         | 70    |      | 117   |       |      |      |

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

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

\*-200us event

### PROTECTIONS

- Short Circuit Protection (SCP)
- Over Voltage Protection (OVP)
- Over Current Protection (OCP)
- Class 2 Output

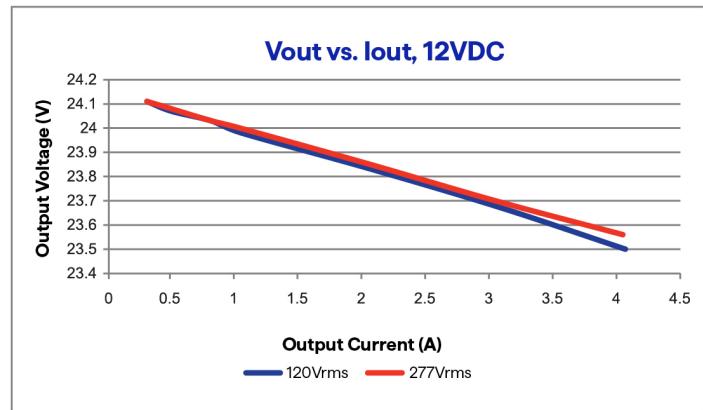
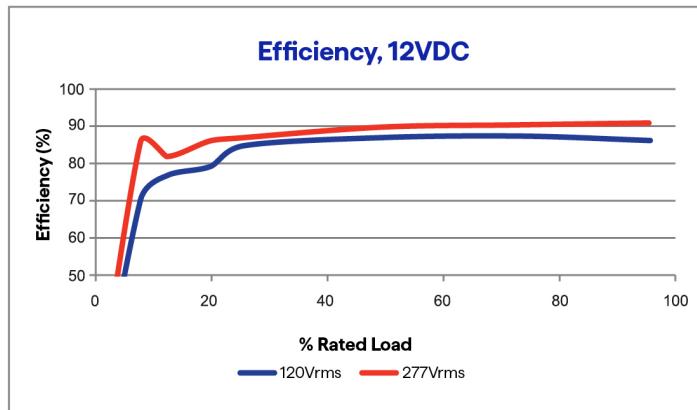
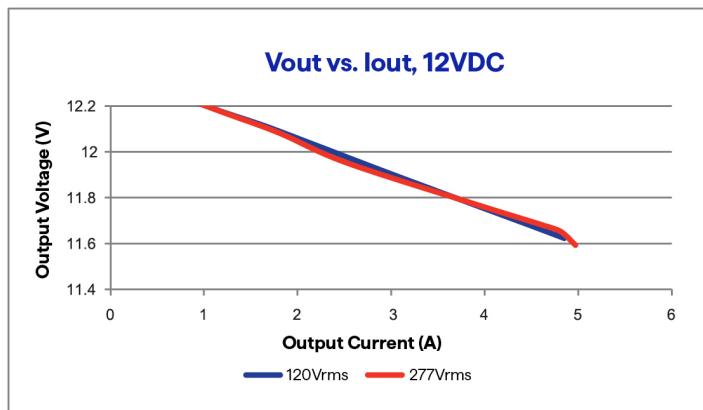
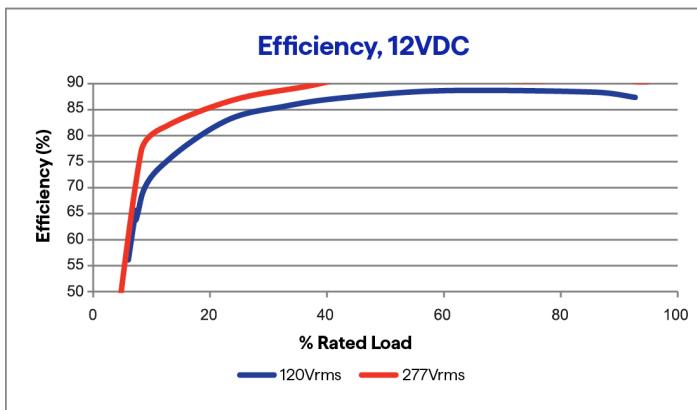
### 6 COLOR



Black Powder Coat Finish (Standard)  
316 Marine Grade  
Stainless Steel

### COMPLIANCE

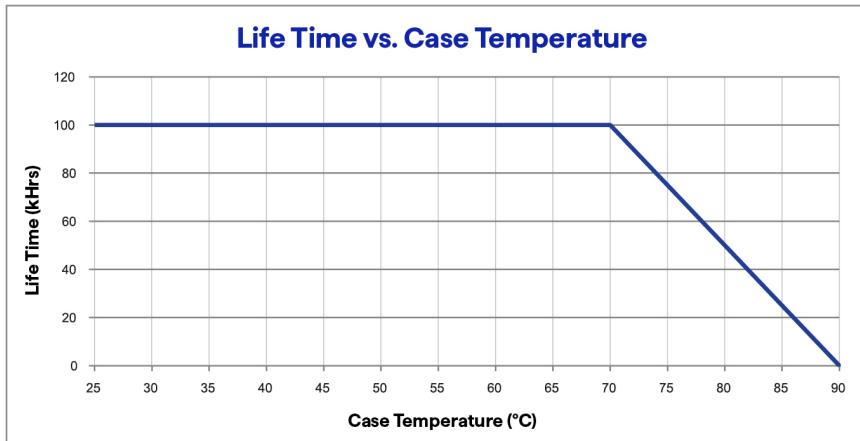
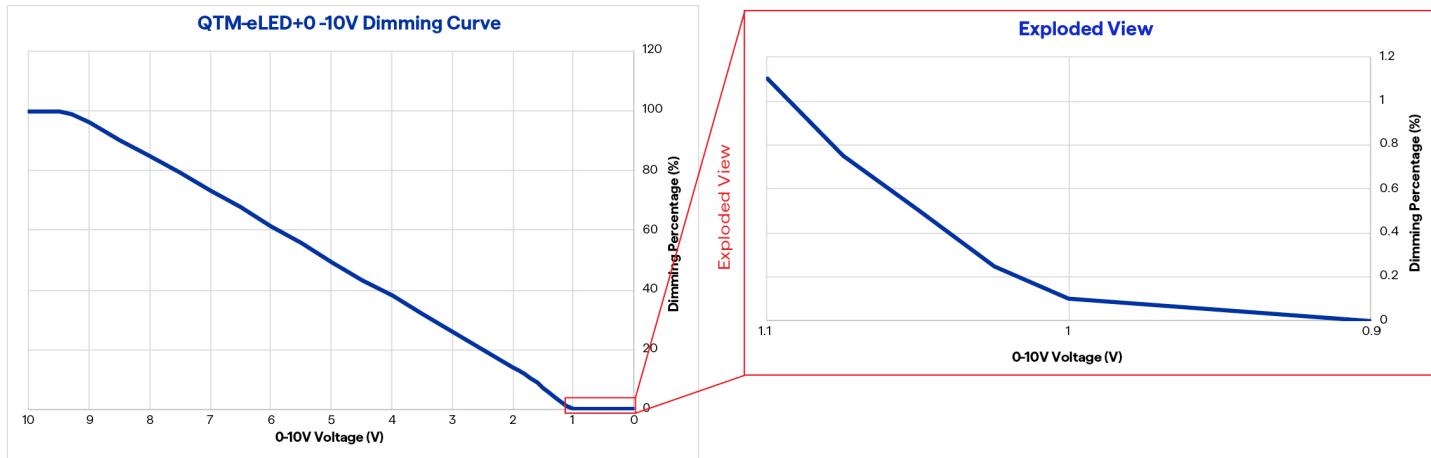
- EMI Spec
  - FCC 47 Part 15
  - EN61000-3-2
- CSA Certified
  - UL-2108
  - UL-1838
  - UL-8750
  - CSA C22.2 No 250.7-07
  - CSA C22.2 No 250.0-08
  - CSA C22.2 No 250.13-14





## QOM-eLED+0-10V

12V or 24V DC Power Supply - 60W-300W



## COMPATIBLE WIRING ACCESSORIES



UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)