



## QTM-eLED-ND

12V or 24V DC Power Supply -  
60W-500W



- DC power supply center with constant voltage output of 12 or 24VDC
- Available in 100-500 watts of output
- Housing can be surface or recessed mounted

| 1<br>PRODUCT | 2<br>WATTAGE | 3<br>PRIMARY VOLTAGE | 4<br>SECONDARY VOLTAGE | 5<br>CONTROL | 6<br>COLOR |
|--------------|--------------|----------------------|------------------------|--------------|------------|
| QTM-eLED     |              | UNV                  |                        | N/A          |            |

Sample Part Number: QTM-eLED-60W-UNV-12VDC-N/A-BK

|                 |  |                          |                        |
|-----------------|--|--------------------------|------------------------|
| 1<br>PRODUCT    | 2<br>WATTAGE                                       | 3<br>PRIMARY VOLTAGE     | 4<br>SECONDARY VOLTAGE |
| QTM-eLED        | 60W<br>120W<br>180W                                | UNV Universal (120-277V) | 12VDC                  |
|                 | 100W<br>200W<br>300W<br>400W<br>500W               | UNV Universal (120-277V) | 24VDC                  |
| 5<br>CONTROL    | 6<br>COLOR   |                          |                        |
| N/A<br>(No Dim) | WH White (Standard)<br>BK Black Powder Coat Finish |                          |                        |

## COMPATIBLE LEDS

### STATIC WHITE

|   |   |
|---|---|
| SW24/1.5-4.0<br>SW-DR24/1.5-4.0<br>SHLD-SW24/1.5-4.0                          | ✓ |
| SW24/5.0, SW-HE, SW-HE+<br>SW-DR24/5.0, SW-HE-DR<br>SHLD-SW24/5.0, SHLD-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
- Fully potted driver(s) for moisture resistance
- Suitable for dry and damp locations
- Suitable for surface or recessed mounting use
- Primary voltage - universal (120-277V)
- Wide operating temperature range: -40°F to 104°F
- Fits up to (5): 60W 12VDC or (5): 100W 24VDC driver(s)
- 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 standard2108 - Low voltage lighting systems
  - CSA standard C22.2 No 250.13-14 - Light emitting diode (LED) equipment for lighting applications
  - ANSI/ UL standard8750 - Light emitting diode (LED) equipment for use in lighting products



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### 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.

| 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      |

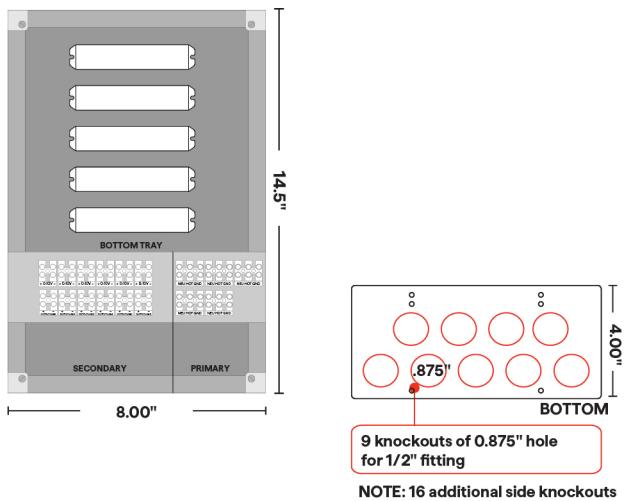
| VDC | Load (W) | Distance from PS for 1% Voltage Drop |        |        |        |        |        |        |        |        |
|-----|----------|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
|     |          | 10 AWG                               | 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      |



## QTM-eLED-ND

12V or 24V DC Power Supply - 60W-500W

### 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                |
| 400W    | 4x100W           | 24VDC             | 3.80A                | 1.60A                |
| 500W    | 5x100W           | 24VDC             | 4.75A                | 2.00A                |

### HOUSING

- 18 gauge welded steel enclosure: 14.5"W x 8.00"H x 4.00"D
- Door: 15.5"W x 9.00"H
- Knockouts: 25
- Built-in support bracket incorporated to secure housing for surface mounting

### PERFORMANCE

- Rated for surface mount or recessed use
- Fully rated to operate low voltage load at listed wattage (No derating required)
- Voltage regulation to 2% or less of rated output voltage
- Universal input range of 120-277 Vrms
- Low Voltage Lighting Systems
  - CSA Class 3425-15 and Class 3425-95
  - 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



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### 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   |  |  |

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

\*-200us event

### PROTECTIONS

### 6 COLOR

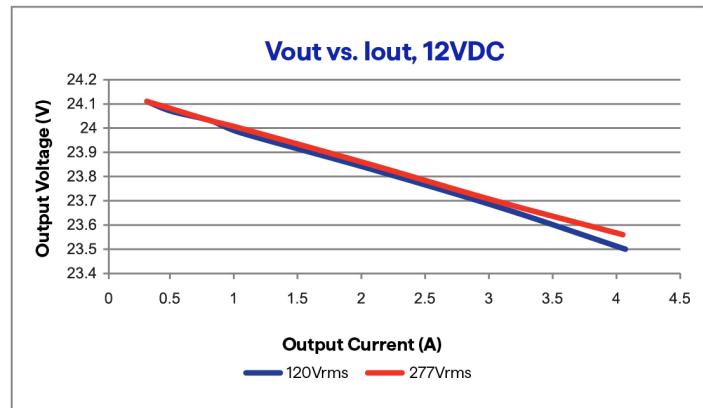
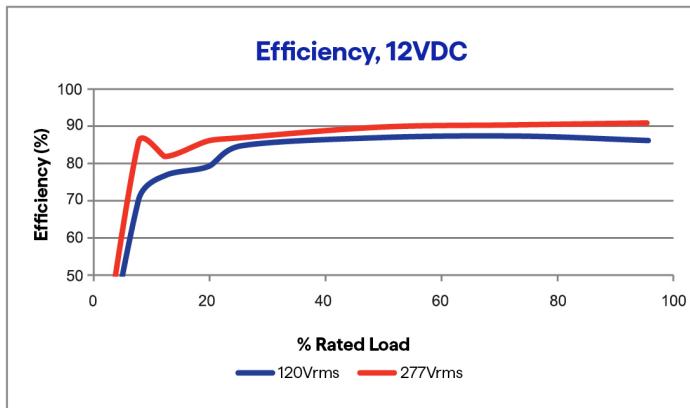
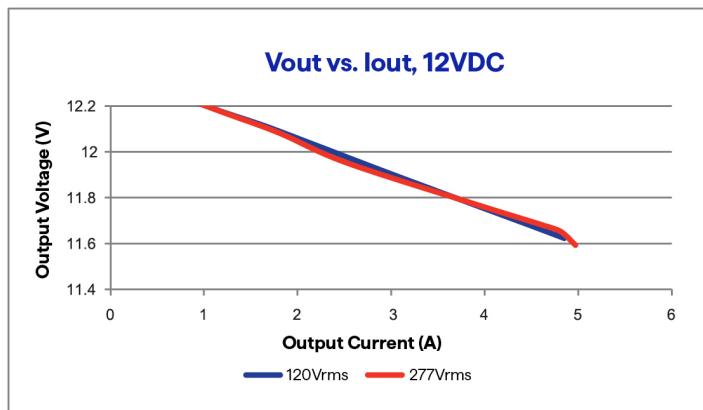
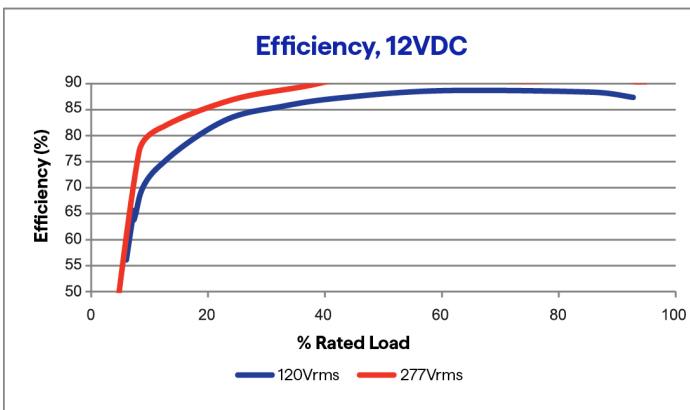
- Short Circuit Protection (SCP)
- Over Voltage Protection (OVP)
- Over Current Protection (OCP)
- Class 2 Output



Black Powder Coat Finish  
White (Standard)

### COMPLIANCE

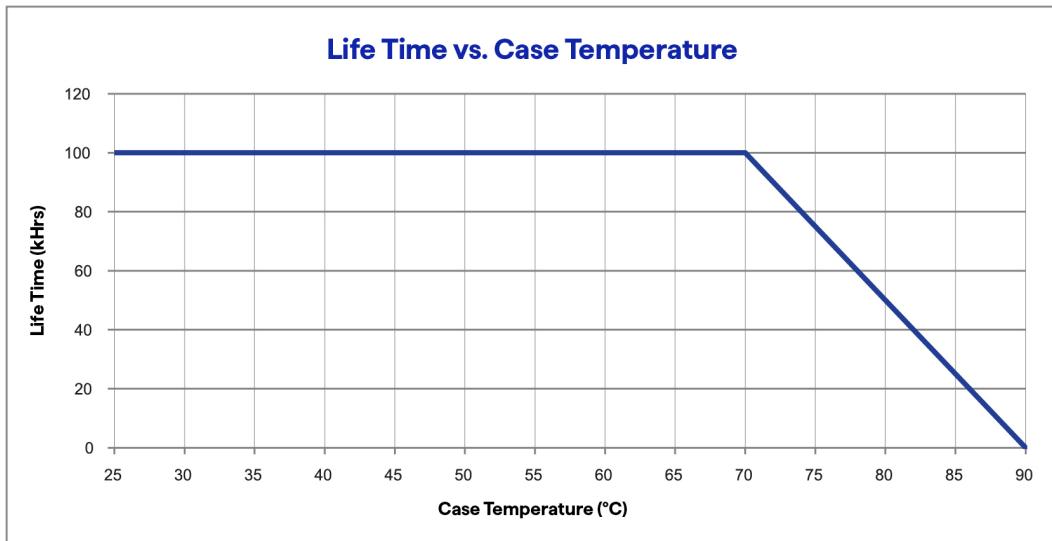
- EMI Spec
  - FCC 47 Part 15
  - EN61000-3-2
- CSA Certified
  - UL-2108
  - UL-8750
  - CSA C22.2 No 250.0-08
  - CSA C22.2 No 250.13-14





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## COMPATIBLE WIRING ACCESSORIES



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