QOM-eLED-ND-PS

12V or 24V DC Power Supply - 60W–400W



- Surface mount, exterior rated LED power supply center.
- Utilizes UL Class 2 drivers.
- Designed for powering 12VDC or 24VDC constant voltage products.
- Ideal for on/off applications.
- UL listed enclosure can accommodate 1-4 drivers.
- Prewired LED power supply center with terminal blocks for simplified LED connection and flexible installation.
- Suitable for both indoor and outdoor use, making it versatile for various lighting applications.

1 PRODUCT	2 WATTAGE	3 PRIMARY VOLTAGE	4 SECONDARY VOLTAGE	5 CONTROL	6 COLOR
QOM-eLED-PS		UNV		N/A	

Sample Part Number: **QOM-eLED-PS-60W-UNV-12VDC-N/A-BK**

1 PRODUCT

QOM-eLED-PS

2 WATTAGE

100W 200W 300W 400W
60W 120W 180W

3 PRIMARY VOLTAGE

UNV	Universal (120-277V)
UNV	Universal (120-277V)

4 SECONDARY VOLTAGE

24VDC
12VDC

5 CONTROL

N/A	(No Dim)

6 COLOR

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

PRODUCT INFORMATION

- Limited output voltage and current, plus isolation for safe operation
- Fully potted driver(s) for moisture resistance
- Surface mount, exterior rated LED power supply center
- Suitable for use with submersible luminaires
- Suitable for pool and spa application
- Primary voltage - universal (120-277V)
- Wide operating temperature range: -40˚F to 104˚F
- Fits up to (3): 60W 12VDC or (4): 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 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
  - Compliant to FCC Part 15B
- 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

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTLlighting | www.QTLlighting

QOM-eLED-ND-PS

12V or 24V DC Power Supply - 60W–400W

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. To calculate the wire lengths at specific loads, use QTL's online voltage

VOLTAGE DROP — 24V

Distance from PS for 1% Voltage Drop										
VDC	Load (W)	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG	26 AWG
24	15	192	121	76	48	30	19	12	7	5
24	30	96	60	38	24	15	9	6	4	2
24	45	64	40	25	16	10	6	4	2	2
24	60	48	30	19	12	8	5	3	2	1
24	80	36	23	14	9	6	4	2	1	1
24	96	30	19	12	7	5	3	2	1	1

Distance from PS for 3% Voltage Drop										
VDC	Load (W)	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG	26 AWG
24	15	577	362	228	143	90	57	36	22	14
24	30	288	181	114	72	45	28	18	11	7
24	45	192	121	76	48	30	19	12	7	5
24	60	144	91	57	36	23	14	9	6	4
24	80	108	68	43	27	17	11	7	4	3
24	96	90	57	36	22	14	9	6	4	2

Distance from PS for 5% Voltage Drop										
VDC	Load (W)	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG	26 AWG
24	15	961	604	380	239	150	95	59	37	24
24	30	480	302	190	120	75	47	30	19	12
24	45	320	201	127	80	50	32	20	12	8
24	60	240	151	95	60	38	24	15	9	6
24	80	180	113	71	45	28	18	11	7	4
24	96	150	94	59	37	23	15	9	6	4

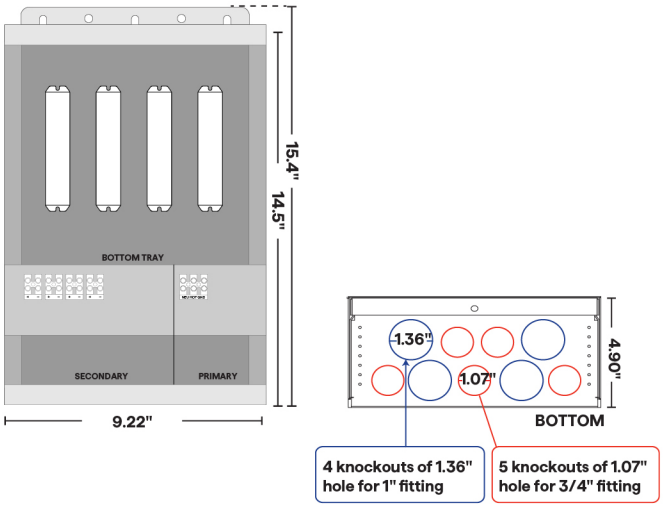
VOLTAGE DROP — 12V

Distance from PS for 1% Voltage Drop										
VDC	Load (W)	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG	26 AWG
12	15	48	30	19	12	8	5	3	2	1
12	30	24	15	10	6	4	2	1	1	1
12	45	16	10	6	4	3	2	1	1	
12	60	12	8	5	3	2	1	1		

Distance from PS for 3% Voltage Drop										
VDC	Load (W)	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG	26 AWG
12	15	144	91	57	36	23	14	9	6	4
12	30	72	45	29	18	11	7	4	3	2
12	45	48	30	19	12	8	5	3	2	1
12	60	36	23	14	9	6	4	2	1	1

Distance from PS for 5% Voltage Drop										
VDC	Load (W)	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG	26 AWG
12	15	240	151	95	60	38	24	15	9	6
12	30	120	76	48	30	19	12	7	5	3
12	45	80	50	32	20	13	8	5	3	2
12	60	60	38	24	15	9	6	4	2	1

1 PRODUCT - DIMENSIONS



2 TECHNICAL INFORMATION

Wattage	Max Load (Watts)	Secondary Voltage	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
400W	4x100W	24VDC	3.80A	1.60A
60W	1x60W	12VDC	0.60A	0.29A
120W	2x60W	12VDC	1.20A	0.58A
180W	3x60W	12VDC	1.80A	0.87A

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTLlighting | www.QTLlighting

QOM-eLED-ND-PS

12V or 24V DC Power Supply - 60W–400W

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
- 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 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

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

- 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

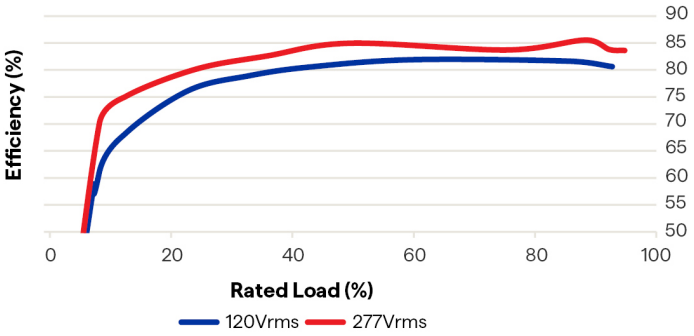
- EMI Spec
  - FCC 47 Part 15
  - FCC 47 CFR Part 15 Subpart B
  - EN61000-3-2
- CSA Certified
  - UL-2108
  - UL-1838
  - UL-8750
  - UL 379
  - CSA C22.2 No 250.7-07
  - CSA C22.2 No 250.0-08
  - CSA C22.2 No 250.13-14
  - CSA C22.2 No 89-15

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTL.lighting | www.QTL.lighting

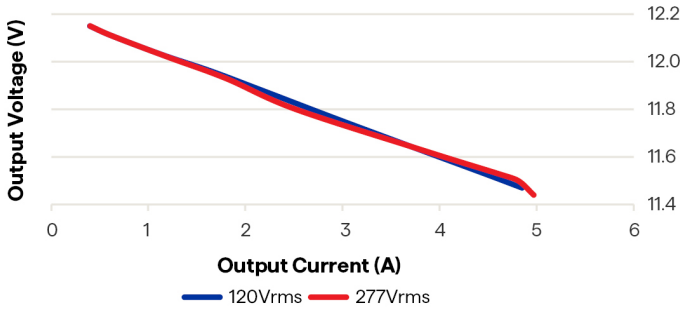
QOM-eLED-ND-PS

12V or 24V DC Power Supply - 60W–400W

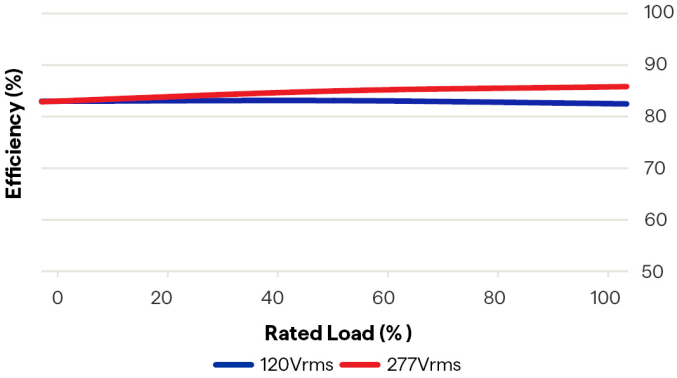
Efficiency, 12VDC



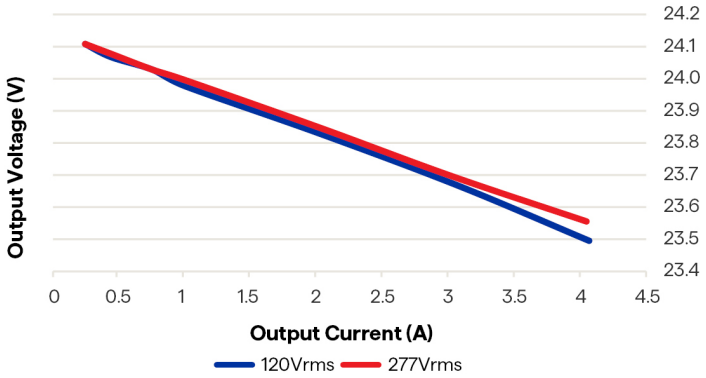
Vout vs. Iout, 12VDC



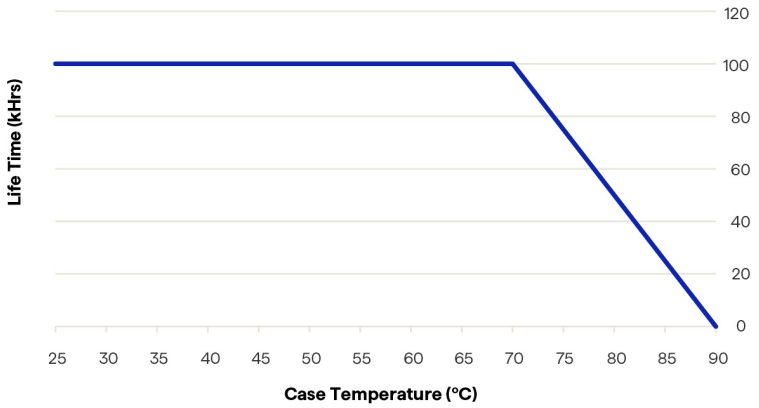
Efficiency, 24VDC



Vout vs. Iout, 24VDC



Life Time vs. Case Temperature



© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTLlighting | www.QTLlighting

QOM-eLED-ND-PS

12V or 24V DC Power Supply - 60W–400W

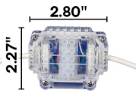
COMPATIBLE WIRING ACCESSORIES

Q-mini-J



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

Q-mini-J5



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

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTL.lighting | www.QTL.lighting