



QOM-eLED

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.

HOUSING

- 18 gauge Welded Steel Enclosure: 9.22"W x 15.4"H x 4.90"D
- Door: 9.27"W x 14.5"H
- Knockouts: 9
- Built-in support bracket incorporated to secure housing for surface mounting

FEATURES

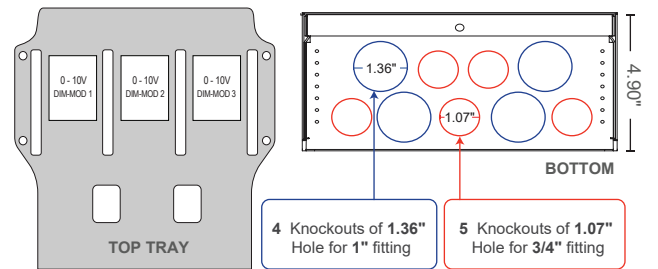
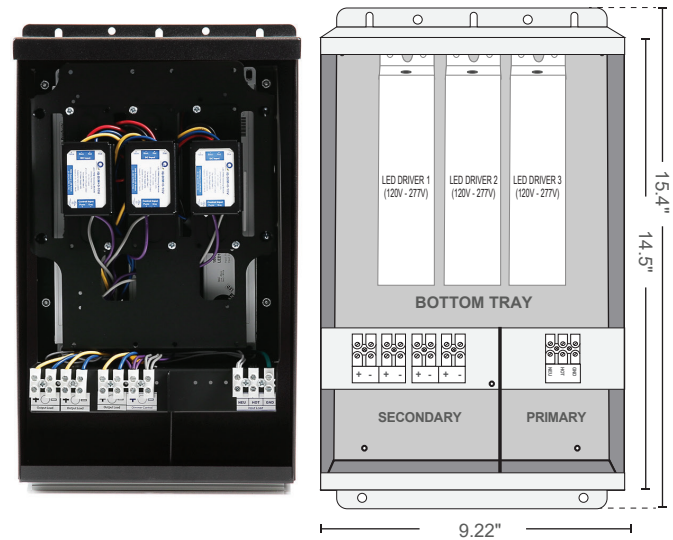
- Limited output voltage and current, plus isolation for safe operation
- Dimmable w/additional 0-10V dimming module
- Fully potted driver(s) for moisture resistance
- Surface mount only
- Suitable for dry, damp and wet locations
- Suitable for indoor or outdoor use
- Suitable for use with submersible luminaire
- Primary voltage - universal (120-277V)
- Wide operating temperature range: -40 degF to 104 degF
- Fits up to (3): 60W 12VDC or (3):100W 24VDC driver(s) and 0-10V dimming module(s) in the same housing
- Driver has Class A sound rating
- Class 2 output
- 5 years warranty
- 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 systems
- : ANSI/ UL standard 8750 - Light emitting diode (LED) equipment for use in lighting products
- : CSA standard C22.2 No 250.13-14 - Light emitting diode (LED) equipment for lighting applications

LED 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 standard C22.2 No 250.13-14 - Light emitting diode (LED) equipment for lighting applications



ORDERING GUIDE					
Model	Size	Prim. V	Sec. V	Dimmer	Opts
QOM-eLED	-	UNV	/	+	-
1 Size	Max Load (Watts)	Secondary Voltage(12/24VDC)	Max Prim. Amps @ 120V	Max Prim. Amps @ 277V	
60W	1x60W	12VDC	0.60 A	0.29 A	
120W	2x60W	12VDC	1.20 A	0.58 A	
180W	3x60W	12VDC	1.80 A	0.87 A	
100W	1x100W	24VDC	0.95 A	0.40 A	
200W	2x100W	24VDC	1.90 A	0.80 A	
300W	3x100W	24VDC	2.85 A	1.20 A	
2 Primary Voltage					
UNV: 120-277 Vrms					
3 Secondary Voltage					
12VDC 24VDC					
4 Dimmer					
0-10V N/A : No dimming					
5 Options					
BK Black Powder Coat Finish (Standard)			SS 316 Marine Grade Stainless Steel		
Ordering Example					
QOM-eLED-100-UNV/24V+0-10V					



LOW VOLTAGE LIGHTING SYSTEM & LANDSCAPE LIGHTING SYSTEMS
CLASS: 3425 - 15 3402 - 15
3425 - 95 3402 - 95

2020-04-08-V1

PROJECT NAME	DATE	COMPANY	TYPE	NOTE



QOM-eLED

SPECIFICATIONS



WIRE LENGTH TABLE

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 (0.20mm 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

SPECIFICATIONS

Input	12VDC			24VDC		
	<ul style="list-style-type: none"> ▪ Input voltage (Vrms) ▪ Input current, max (Arms) ▪ Inrush current, max* (Apk) ▪ Input frequency (Hz) ▪ Input power (W) 	120 0.58 ---	230 0.30 ---	277 0.25 ---	120 0.98 45	230 0.51 90
	50/60 70			50/60 117		
Output	12VDC			24VDC		
	<ul style="list-style-type: none"> ▪ Output voltage, nom (V) ▪ Output current (A) ▪ Output power (W) ▪ Dimming 0-10V, max 	12 5.0 60			24 4.1 100	
	2mA					
Environmental	Min	Nom	Max	Min	Nom	Max
	<ul style="list-style-type: none"> ▪ THD (%) ▪ PF (%) ▪ Case temp (°C) 	— 0.90 —	— — —	20 — 90	— 0.90 —	— — —
Protections	Compliance					
	<ul style="list-style-type: none"> ▪ Short Circuit Protection (SCP) ▪ Over Voltage Protection (OVP) ▪ Over Current Protection (OCP) ▪ Class 2 Output 	<ul style="list-style-type: none"> ▪ 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  				

*- 200us event

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 manufacture to ensure proper operation
 - : Manufacturer offers minimum of 5 year warranty
- Terminal blocks is made of tin plated copper with a voltage rating of 300V and a current rating of 40A



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SPECIFICATIONS

