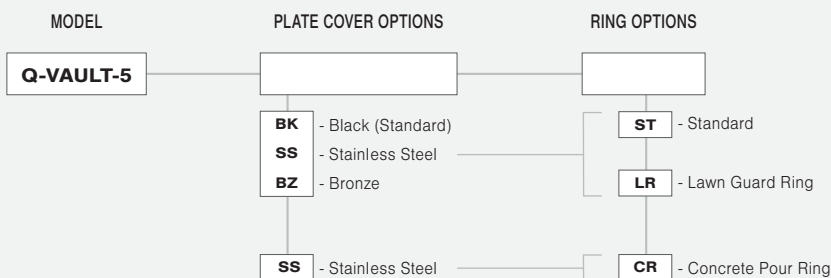


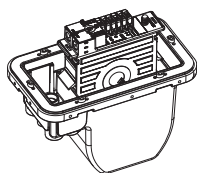
POWER SUPPLY - Q-VAULT- 5



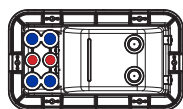
TECHNICAL INFORMATION

XXX	XXX	XXX	XXX	XXX
XXXXX	**	**	**	**
XXXXX	**	**	**	**
XXXXX	**	**	**	**
XXXXX	**	**	**	**
XXXXX	**	**	**	**
XXXXX	**	**	**	**

Fits	1	Up to 2
Q-SET-1		•
Q-SET-2	•	
Q-SET-3	•	
Q-SET-eLED		•
Q-SET-mLED		•

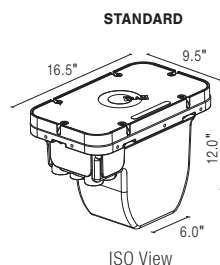


Knock Outs (in)	NPT KO's
1/2"	2
3/4"	4

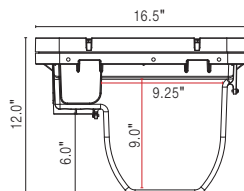


Bottom View

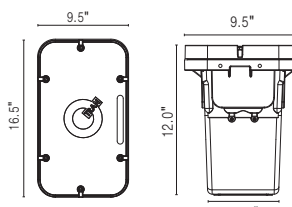
DIMENSIONS



ISO View



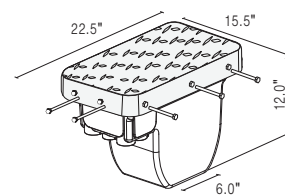
Side View



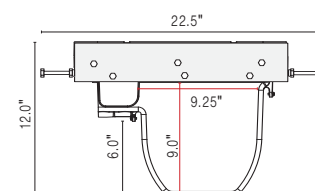
Housing Door

Front View

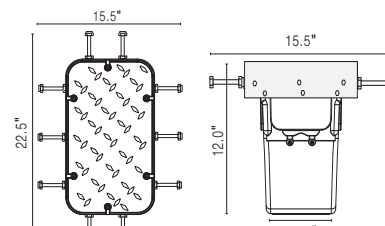
LAWN GUARD RING / CONCRETE POUR RING



ISO View



Side View



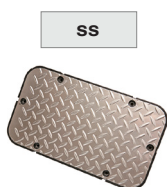
Housing Door

Front View

PLATE COVER OPTIONS



Black (Standard)



Stainless Steel



Bronze

RING OPTIONS



Standard



Lawn Guard Ring



Concrete Pour Ring

PROJECT NAME	DATE	COMPANY	TYPE	NOTE



QSET-eLED

QSET-eLED is Q-Tran's direct burial and outdoor rated electronic power supply, utilizing the Xitanium driver from Advance. These drivers provide a 12VDC or 24VDC, constant voltage output, with optional 0-10V dimming modules.

HOUSING

- Dimensions: 11.0"L x 10.0"W x 2.5"D
- Q-Vault-5 enclosure can fit up to two Q-SET-eLED
- Q-VAULT-5 is IP68 rated

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
- Suitable for dry, damp and wet locations
- Primary Voltage - Universal (120-277V)
- Wide operating temperature range: 4°F ~ +104°F
- Fits up to (2): 60W 12VDC or (2):100W 24VDC driver(s) and 0-10V dimming module(s) in the same housing
- Class 2 Output
- 5 year warranty
- CSA #239924
Low Voltage Lighting Systems
: CSA Class 3426 04 and Class 3426 94
: CSA Standard C22.2 No. 250.0-08 - Luminaires
: ANSI/ UL Standard 2108

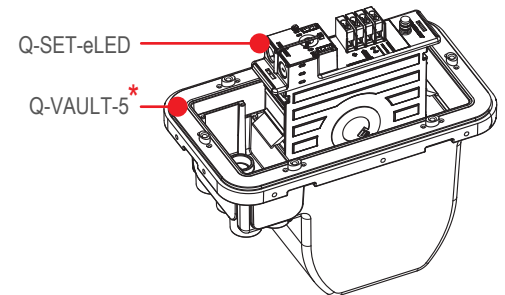
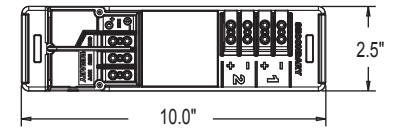
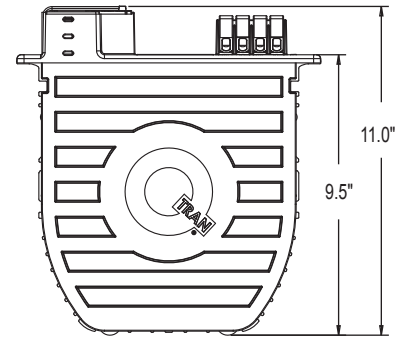
Landscape Lighting Systems
: CSA Class 3425 15 and Class 3425 95
: CSA Standard C22.2 No. 250.7-07- Extra-Low-Voltage Landscape Lighting Systems
: ANSI/ UL Standard 1838-Low Voltage Landscape Lighting Systems
: ANSI/ UL Standard 379-Power Units for Fountain, Swimming Pool, and Spa Luminaires

WIRELENGTH TABLE

TOTAL LENGTH										
VDC	Watts (W)	10 AWG (5.6mm²)	12 AWG (3.3mm²)	14 AWG (2.0mm²)	16 AWG (1.3mm²)	18 AWG (0.78mm²)	20 AWG (0.50mm²)	22 AWG (0.33mm²)	24 AWG (0.20mm²)	26 AWG (0.13mm²)
12	12	631'	397'	250'	157'	99'	62'	39'	25'	15'
	25	231'	145'	91'	57'	36'	23'	14'	9'	6'
	60	14'	9'	6'						
24	17	1795'	1129'	710'	446'	281'	177'	111'	70'	44'
	25	1134'	713'	449'	282'	177'	112'	70'	44'	28'
	40	619'	389'	245'	154'	97'	61'	38'	24'	15'
	80	261'	164'	103'	65'	41'	26'	16'	10'	6'
	100	168'	106'	67'	42'	26'	17'	10'	7'	

*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



(Must be purchased with Q-VAULT-5)

* One Q-VAULT-5 can fit two Q-SET-eLED

ORDERING GUIDE					
Model	1 Size	2 Prim. V	3 Sec. V	4 DIM	5 Opts
QSET-eLED	-	UNV	/	+	-
1 Size	Max Load (Watts)	Secondary Voltage(12/24VDC)	Max Prim. Amps @ 120V	Max Prim. Amps @ 277V	
60W	1x60W	12VDC	0.9 A	0.4 A	
120W	2x60W	12VDC	1.4 A	0.6 A	
100W	1x100W	24VDC	1.1 A	0.5 A	
200W	2x100W	24VDC	2.2 A	1.0 A	
2 Primary Voltage					
UNV: 120-277 Vrms					
3 Secondary Voltage					
12VDC		24VDC			
4 Dimmer					
0-10V					
5. Options					
PS Pool & Spa					
Ordering Example					
QSET-eLED-100-UNV/24+0-10V					

PROJECT NAME	DATE	COMPANY	TYPE	NOTE



SPECIFICATIONS

SPECIFICATIONS

Input	12VDC			24VDC		
	120	230	277	120	230	277
▪ Input Voltage (Vrms)	0.58	0.30	0.25	0.98	0.51	0.42
▪ Input current, max (Arms)				45	90	100
▪ Inrush Current, max* (Apk)	50/60			50/60		
▪ Input Frequency (Hz)	70			117		
▪ Input Power (W)						
Output	12			24		
	5.0			4.1		
▪ Output Voltage, nom (V)	60			100		
▪ Output Current (A)	2mA					
▪ Output Power (W)						
▪ Dimming 0-10V, max						
Environmental	Min	Nom	Max	Min	Nom	Max
	—	—	20	—	—	20
▪ THD (%)	0.90	---	---	0.90	---	---
▪ PF (%)	—	—	90	—	—	90
▪ Case Temp (°C)						

*- 200us event

Protections

- Short Circuit Protection (SCP)
- Overload Protection (OLP)
- Class 2 Output

Compliance

- EMI Spec : FCC 47 Part 15
: CISPR 15
: CISPR 22 Class A
- CSA Certified : UL-2108
: UL-1838
: CSA C22.2 No 250.7-07
: CSA C22.2 No 250.0-08



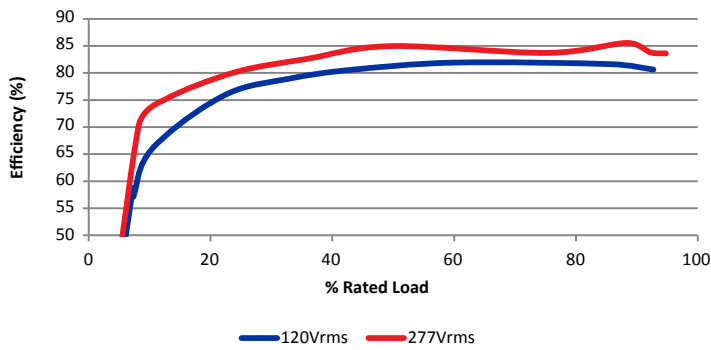
PERFORMANCE

- Power Supply is rated for outdoor and direct burial use in Q-Vault 5 IP68 Listed Direct Burial Enclosure
- Power Supply is fully rated to operate low voltage load at listed wattage (No Derating Required)
- Power Supply has voltage regulation to 5% or less of rated output voltage
- Power Supply has the ability to be dimmed using 0-10V Dimming
- Power Supply has universal input range of 120-277 Vrms
- Power Supply is rated for:
CSA Class 3425 15 and Class 3425 95 - Landscape Lighting System Components
CSA Class 3426 04 and Class 3426 94 - Low Voltage Lighting Systems
- Terminal blocks is made of tin plated copper with a voltage rating of 300V and a current rating of 50A
- Power Supply is fully potted in epoxy to limit water ingress
- Power Supply has short circuit protection (SCP)
- Power Supply has overload protection (OLP)
- Power Supply is live tested by manufacturer to ensure proper operation
- Power Supply Manufacturer offers minimum of 5 year warranty
- Housing for direct burial fixtures is IP68 Rated, with all sealing materials supplied by the manufacturer
- Housing for direct burial fixtures is rated for burial in soil, gravel and concrete

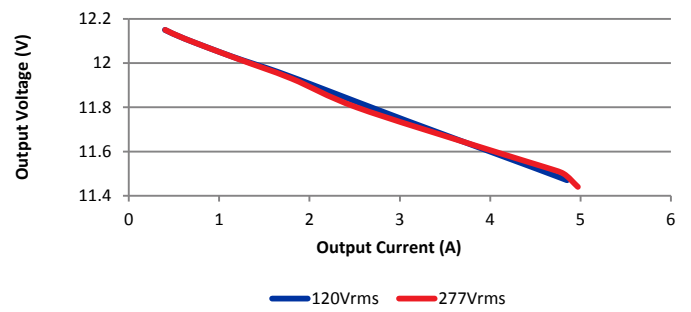


SPECIFICATIONS

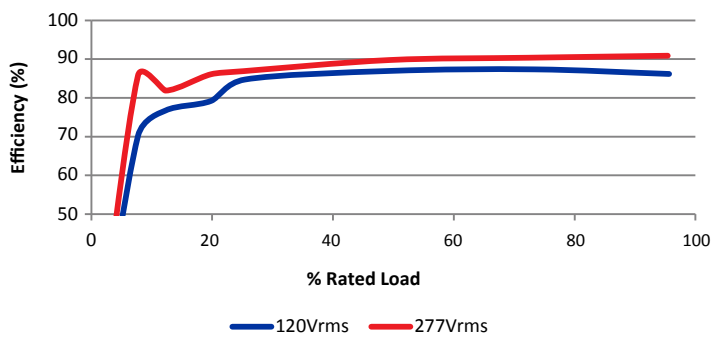
Efficiency, 12VDC



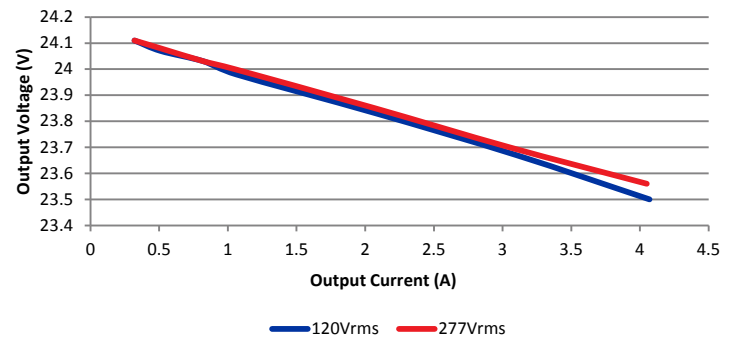
Vout vs. Iout, 12VDC



Efficiency, 24VDC



Vout vs. Iout, 24VDC



Life Time vs. Case Temperature

