



QZ POWER SUPPLY

The **QZ** is an easy to use, dimmable LED power supply that can be controlled with phase or 0-10V dimming. The driver has 24VDC constant voltage output and can power up to 288W (96x3) of class 2 LED load. It supports five dimming protocols in one package, allowing for increased usability.

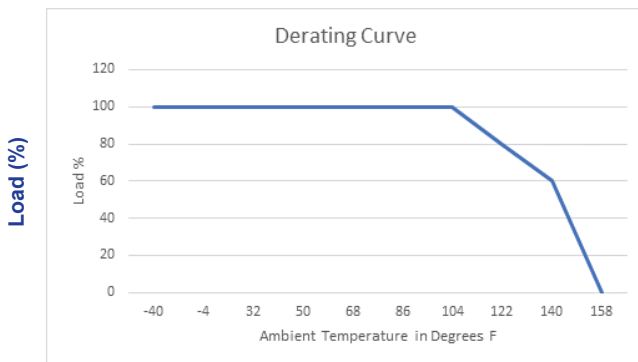


FEATURES

- Vertical or horizontal surface mount
- Constant voltage output
- Dimming range: 0.1% - 100%
- **Dimming:**
 - Phase dimming: works with forward phase / leading edge, MLV and Reverse phase / trailing edge, ELV, TRIAC dimmers
 - 0-10V dimming
 - 1-10V dimming
 - 10V PWM
 - Potentiometer
- Consistent dimming curves across protocols
- Flicker-free dimming
- Follows recommended practices of IEEE standard P1789 to mitigate flicker-includes health risks
- PWM (high frequency) output reduces visible flicker
- Suitable for dry, damp and wet locations
- Suitable for indoor & outdoor use
- Primary voltage - universal (110-277V)
- Wide operating temperature range: -40 degF to +140 degF
- UL, cUL listed
- Type HL rated
- Compliant to FCC Part 15B
- 5 year warranty

SPECIFICATIONS

Input ▪ Input Voltage (Vrms) ▪ Input current, max (Arms) ▪ Inrush Current, max* (Apk) ▪ Input Frequency (Hz) ▪ Input Power (W)	* - 200us event		
	110 - 277 3.3A @110V 30A @277V		
Output ▪ Output Voltage, nom (V) ▪ Output Current (A) ▪ Output Power (Wmax)	24 288W, 3x4A @ 24V 288W		
Environmental ▪ THD (%) ▪ PF (%) ▪ Working Temp (°F)	Min --- 0.98 ---	Nom --- --- ---	Max 20 --- 140
Protections ▪ Short Circuit Protection ▪ Over loading Protection ▪ Over temperature Protection ▪ I/P-O/P:1.88KVAC ▪ I/P-O/P:100MΩ/500VDC/77°F/70%RH	Compliance ▪ EMI/RFI : FCC Part 15B ▪ Certified : UL8750 : UL1310		



Ambient Temperature (°F)

ORDERING GUIDE					
Model	1 Size	2 Primary Voltage	3 Secondary Voltage(24VDC)	4 Dimming	5 Finish
QZ	-	UNV	/	24V	+ PH/010 -
	1 Size	Primary Voltage	Secondary Voltage(24VDC)	Secondary Current	
	30W	110-277V	24VDC	1.25 A	
	60W	110-277V	24VDC	2.5 A	
	96W	110-277V	24VDC	1x4 A	
	192W	110-277V	24VDC	2x4 A	
	288W	110-277V	24VDC	3x4 A	
2 Primary Voltage				5 Finish	
UNV: 110-277V				WH White (Standard) BK Black	
3 Secondary Voltage				NOTE: White finish is standard. If no color is specified, white will be supplied.	
24V					
4 Dimming					
PH/010: Phase or 0-10V Dimming					
Ordering Example					
QZ-30-UNV/24+PH/010-WH					



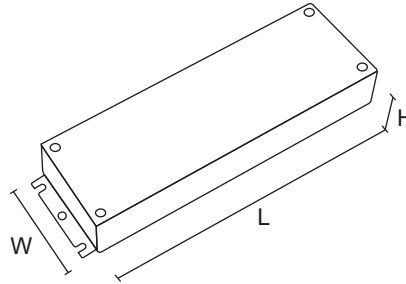


QZ-UNV-24-PH/010

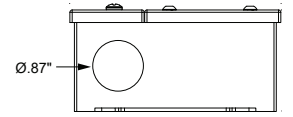
SPECIFICATIONS & WIRING DIAGRAM

DIMENSIONS

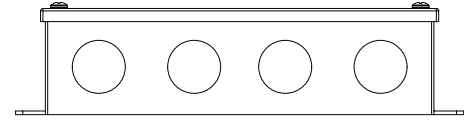
QZ	L (in)	W (in)	H (in)
30W	6.5	3.75	1.58
60W	7.5	3.75	1.58
96W	8.68	3.75	1.58
192W	10.94	4.32	1.77
288W	11.87	4.13	1.77



SIDE



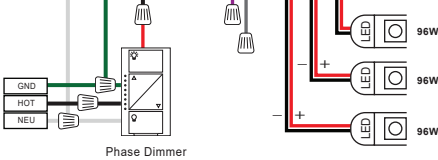
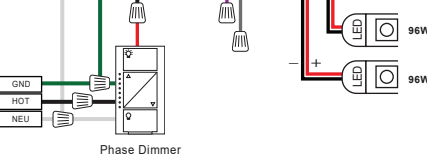
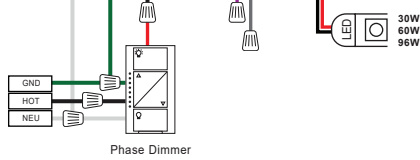
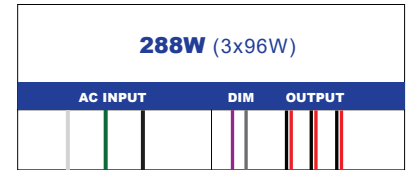
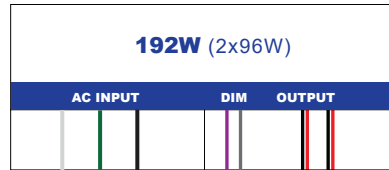
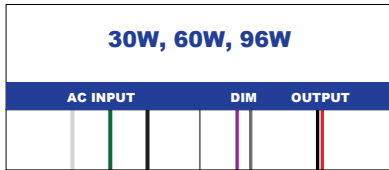
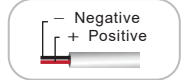
WIRING COMPARTMENT



VOLTAGE DROP CHART

VDC	LOAD WATTAGE [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
24	15	913	574	361	227	143	90	55	35	22
	30	456	287	181	114	71	45	28	17	11
	60	228	143	90	57	36	22	14	9	5
	80	171	108	68	43	27	17	10	7	4
	96	143	90	56	35	22	14	9	5	3

PHASE DIMMING



0-10V DIMMING

