LPQZ96WUNV24VDMX1CH

QZ-DMX
LED Power Supply - 96W

- Class 2 LED power supply with DMX control capabilities
- Features up to 4 channel outputs that can power static white, static color, warm dim and dynamic color LED products
- Compatible with the Q-Tran NFC App for reading and writing DMX Addresses and adjusting output voltage

① PRODUCT	② WATTAGE	③ PRIMARY VOLTAGE	④ SECONDARY VOLTAGE	⑤ CONTROL	⑥ CHANNEL	⑦ COLOR
QZ	96W	UNV	24V	DMX		BK

Sample Part Number: **QZ-96W-UNV-24V-DMX-2CH-BK**

① PRODUCT
QZ

② WATTAGE
96W

③ PRIMARY VOLTAGE
UNV   Universal

④ SECONDARY VOLTAGE
24V

⑤ CONTROL
DMX

⑥ CHANNEL
1CH	1 Channel
2CH	2 Channel
3CH	3 Channel
4CH	4 Channel

⑦ COLOR
BK   Black Powder Coat Finish

COMPATIBLE LEDS

STATIC WHITE
SW24/1.5-4.0	✓
SW24/5.0, SW-HE, SW-HE+	✓
SD-SW24/1.0-4.0	✓
SD-SW24/6.0	✓
LC-SW24/1.0-4.0	✓
LC-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

- Vertical or horizontal surface mount
- Constant voltage output
- 8 Bit DMX Control
- RDM addressing
- NFC App for addressing & Voltage adjust
- Adjustable output voltage - Range: 24V-26V
- DMX dimming down to 0.1%
- IP66 Rated
- Suitable for dry, damp and wet locations
- Suitable for indoor & outdoor use
- Primary voltage - universal (100-277V)
- Wide operating temperature range: -40˚F to +140˚F
- UL, cUL listed
- Type HL rated
- Compliant to FCC 47 CFR Part 15 Subpart B
- 5 year warranty

VOLTAGE DROP CHART

Wiring from power supply to light fixture must be single multiconductor cable

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

1 PRODUCT - DIMENSIONS

Wattage	Length (in)	Width (in)	Height (in)
96W	9.5	4.5	1.6

Ø.87" SIDE

WIRING COMPARTMENT
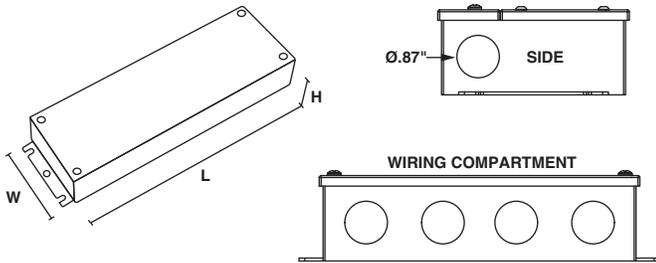
2 TECHNICAL INFORMATION

Channel	Wattage	Primary Voltage	Secondary Voltage	Secondary Current	Compatible Light Engine
CH1	96W	100-277V	24VDC	1X4A	SW, SW-HE, SW-HE+, SC, WD
CH2	96W	100-277V	24VDC	2X2.08A	DW, DW-HE
CH3	96W	100-277V	24VDC	3X1.39 A	RGB
CH4	96W	100-277V	24VDC	4X1.04A	RGBW

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SPECIFICATIONS

Input	
Input Voltage (Vrms)	110-277V
Input Current, max (Arms)	1.25A @ 100V
Inrush Current, max* (Apk)	48.5A @ 277V
Input Frequency (Hz)	50/60
Input Power (W)	125

Output	
Output Voltage, nom (V)	24
Output Current (A)	4.17A @ 24V
Output Power (Wmax)	96W

Environmental	Min	Nom	Max
THD (%)	-	-	20
PF (%)	0.94	-	-
Working Temp (°F)	-	-	140
IP Rating	66	-	-

*-200us event

PROTECTIONS

- Short Circuit Protection (SCP)
- Over Loading Protection (OLP)
- Over Temperature Protecton (OTP)
- I/P-O/P:1.88KVAC
- I/P-O/P:100MΩ/500VDC/77°F/70%RH

COMPLIANCE/SAFETY

- EMI/RFI
  - FCC 47 CFR Part 15 Subpart B
- Certified
  - UL8750
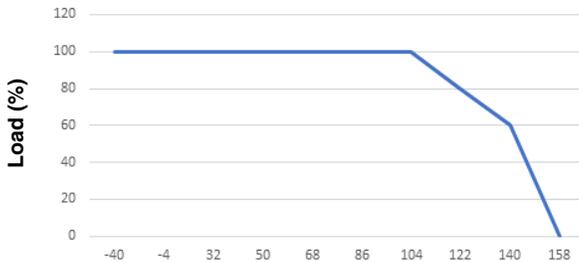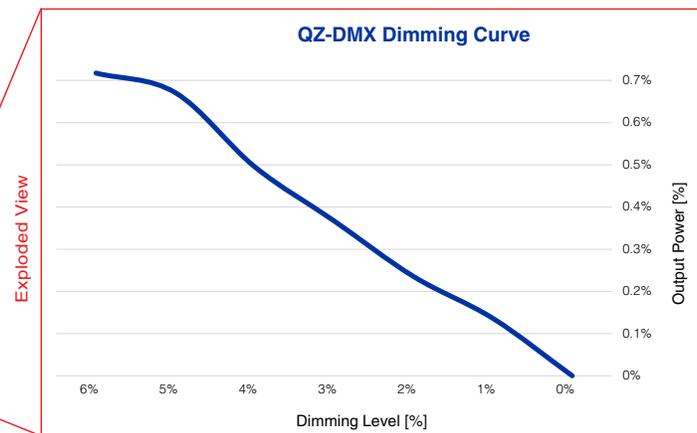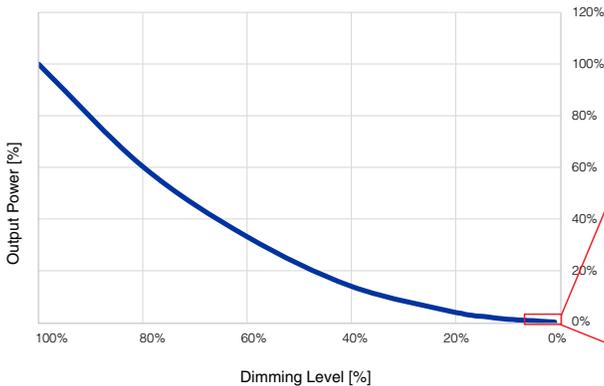
7 COLOR

Black Powder Coat Finish

Derating Curve

QZ-DMX Dimming Curve

QZ-DMX Dimming Curve

Exploded View

WIRING DIAGRAM

96W, 1 CHANNEL

AC INPUT	DMX	OUTPUT

D+ D− GND

96W

HOT
NEU
GND

DMX Controller

LED

−
+

96W, 2 CHANNEL

AC INPUT	DMX	OUTPUT

D+ D− GND

Cool − Warm −

96W

HOT
NEU
GND

DMX Controller

LED

+

96W, 3 CHANNEL

AC INPUT	DMX	OUTPUT

D+ D− GND

R − G − B −

96W

HOT
NEU
GND

DMX Controller

LED

+

96W, 4 CHANNEL

AC INPUT	DMX	OUTPUT

D+ D− GND

R − G − B − W −

96W

HOT
NEU
GND

DMX Controller

LED

+
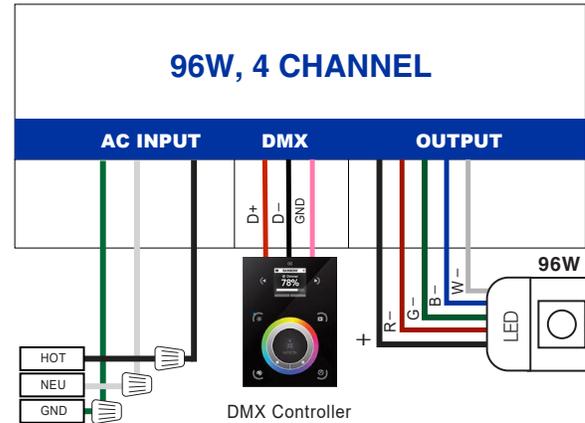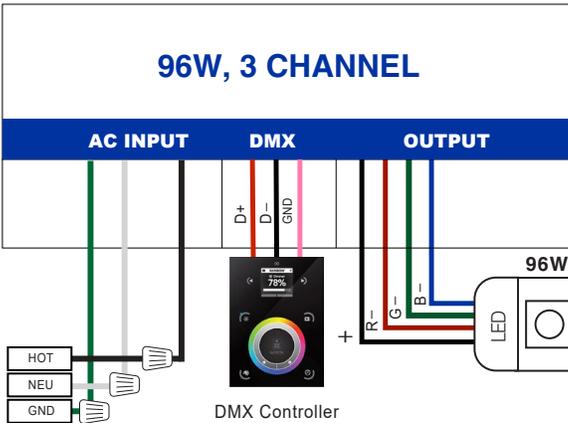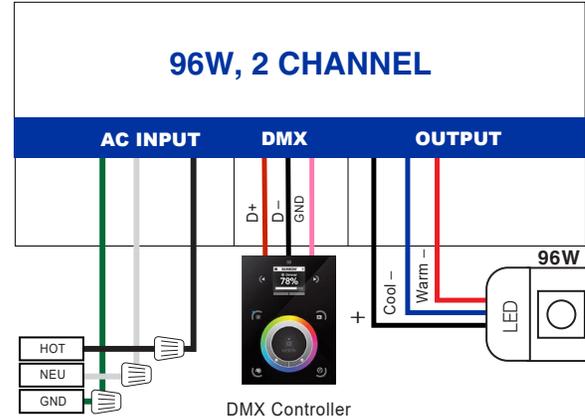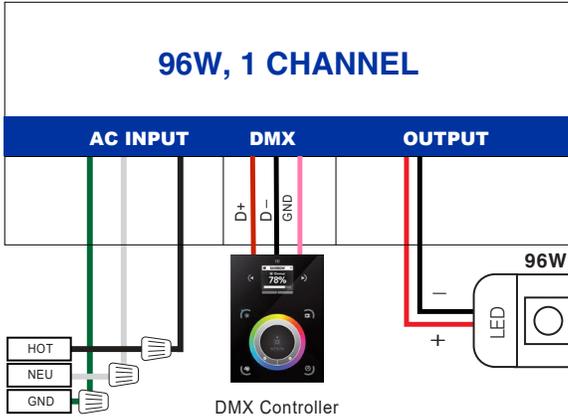
- Wiring from power supply to light fixture must be single multiconductor cable.
- For best practice use a DMX Optosplitter for splitting DMX connections.
- Default DMX address for the driver is #1 and default output voltage is 24V.