QZ-ND

24V DC Power Supply - 30W-288W



- Versatile Class 2 LED driver
- 24VDC constant voltage output
- Available in various wattage options: 30W, 60W, 96W, 192W, and 288W
- Housing is listed for indoor or outdoor use

1 PRODUCT	2 WATTAGE	3 PRIMARY VOLTAGE	4 SECONDARY VOLTAGE	5 CONTROL	6 COLOR
QZ		UNV	24V	ND	WH

Sample Part Number: **QZ-60W-UNV-24V-ND-WH**

1 PRODUCT

QZ

2 WATTAGE

30W
60W
96W
192W
288W

3 PRIMARY VOLTAGE

UNV	Universal (120-277V)

4 SECONDARY VOLTAGE

24V

5 CONTROL

ND	Non-dimmed

6 COLOR

WH	White

COMPATIBLE LEDS

STATIC WHITE

SW24/1.5-4.0 SW-DR24/1.5-4.0 SHLD-SW24/1.5-4.0 SW-SCOB24/1.5-4.0	✓
SW24/5.0, SW-HE, SW-HE+ SW-DR24/5.0, SW-HE-DR SHLD-SW24/5.0, SHLD-SW-HE SW-SCOB24/5.0	✓
SW-SD24/1.0-4.0	✓
SW-SD24/6.0	✓
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
- WET listed
- Follows recommended practices of IEEE standard P1789 to mitigate flicker-induced health risks
- Suitable for dry, damp and wet locations
- Suitable for indoor & outdoor use
- Primary voltage - universal (110-277V)
- Wide operating temperature range: -40˚F to +140˚F
- UL, cUL listed
- Type HL rated
- Compliant to FCC Part 15B
- 5 year warranty

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VOLTAGE DROP CHART

Wiring from power supply to light fixture must be two conductor cable

VOLTAGE DROP

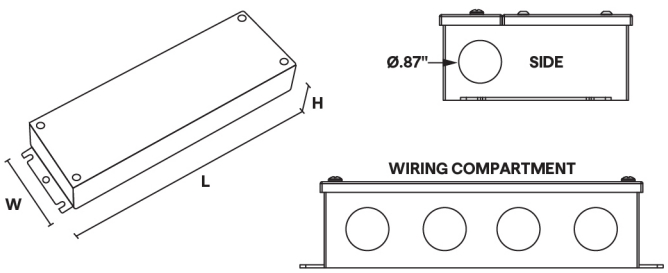
Distance from PS for 1% Voltage Drop										
VDC	Load (W)	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG	26 AWG
24	15	192	121	76	48	30	19	12	7	5
24	30	96	60	38	24	15	9	6	4	2
24	45	64	40	25	16	10	6	4	2	2
24	60	48	30	19	12	8	5	3	2	1
24	80	36	23	14	9	6	4	2	1	1
24	96	30	19	12	7	5	3	2	1	1

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

1 PRODUCT - DIMENSIONS

Size	Length (in)	Width (in)	Height (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	4.33	1.77
288W	11.87	4.33	1.77



2 TECHNICAL INFORMATION

Wattage	Primary Voltage	Secondary Voltage	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

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Specification subject to change. Rev-08-24-26

QZ-ND

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SPECIFICATIONS

Input	
Input Voltage (Vrms)	110-277V
Input Current, max (Arms)	3.3A @ 110V
Inrush Current, max* (Apk)	43A@277V
Input Frequency (Hz)	50/60
Input Power (W)	330

Output	
Output Voltage, nom (V)	24
Output Current (A)	288W, 3×4A @ 24V
Output Power (Wmax)	288W

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

*-200us event

PROTECTIONS

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

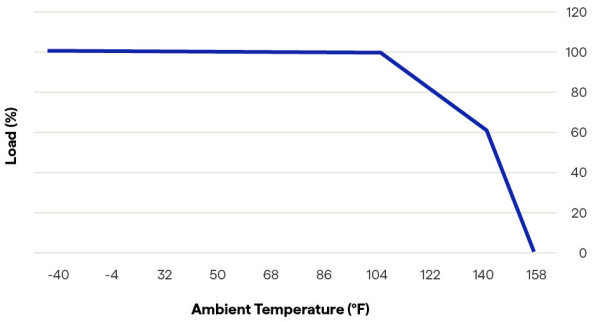
COMPLIANCE

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

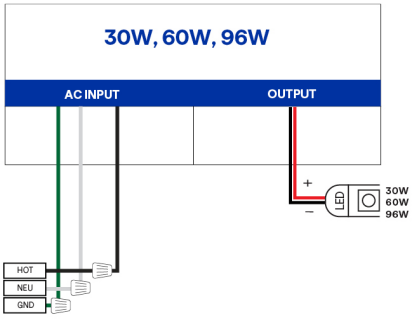
6 COLOR

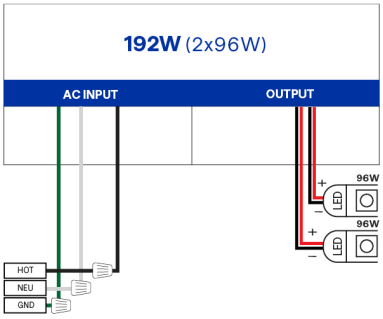
White

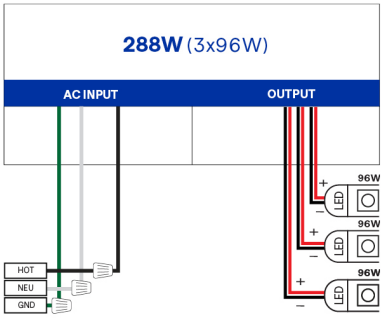
Derating Curve



NON DIMMING







Wiring from power supply to light fixture must be two conductor cable

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COMPATIBLE WIRING ACCESSORIES

Q-mini-J



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

CON FOUR-FER



Splits lead from one to four LED Con connectors DRY/DMP/WET

CON120-EXT



10ft Con cable extender DRY/DMP/WET

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



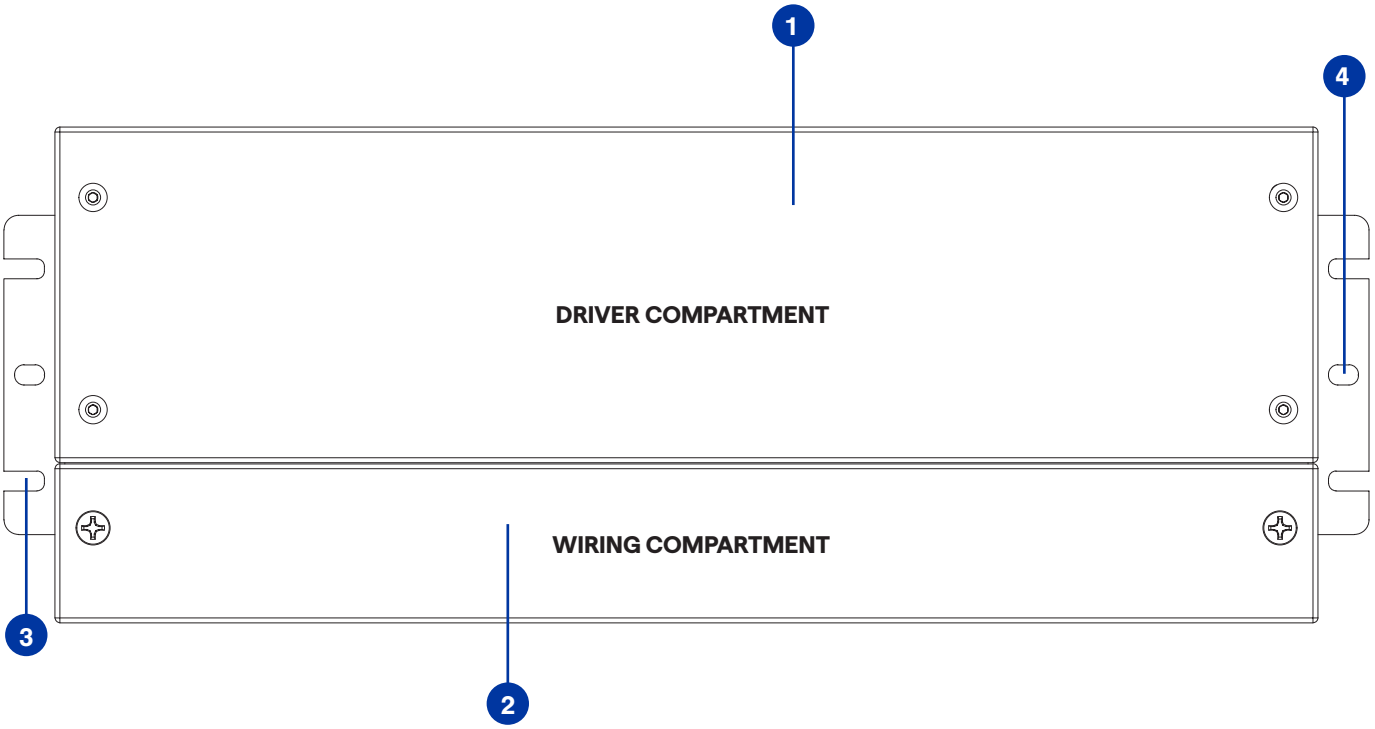
Wi-Fi or Bluetooth Connectivity

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QZ-ND

Installation Instructions

TOP VIEW



QZ Components

1 Driver Compartment
2 Wiring Compartment
3 Mounting Tab Slots
4 Mounting Tab Holes

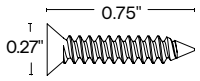
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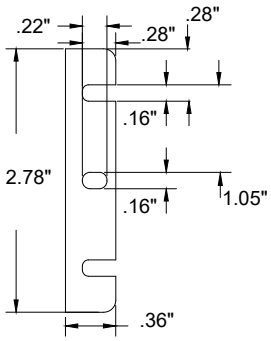
QZ-ND

Installation Instructions

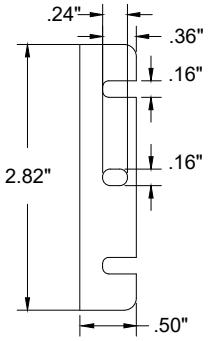
Required Hardware

#6 Flat head screw	

Mounting Foot:



30/60/96W

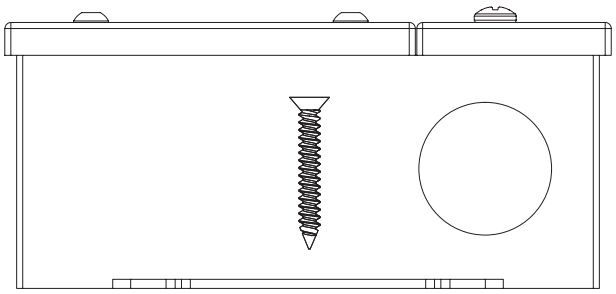


192/288W

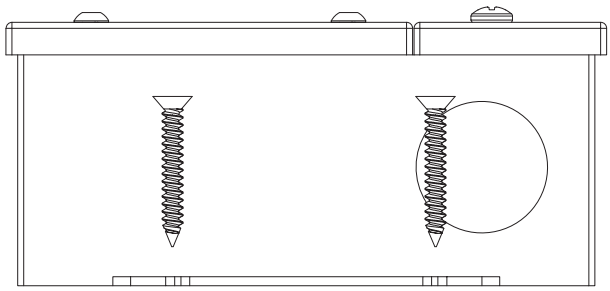
Mounting

1. The QZ-Non Dim can be mounted either vertically or horizontally, utilizing the supplied screws and the mounting tabs on the bottom of the enclosure

CENTER HOLE

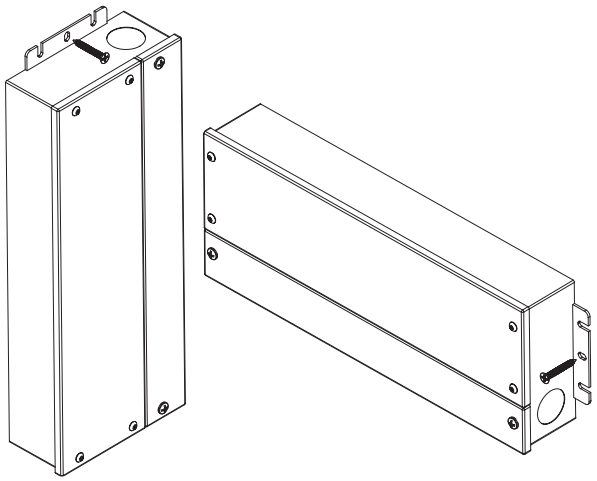


SIDE SLOTS

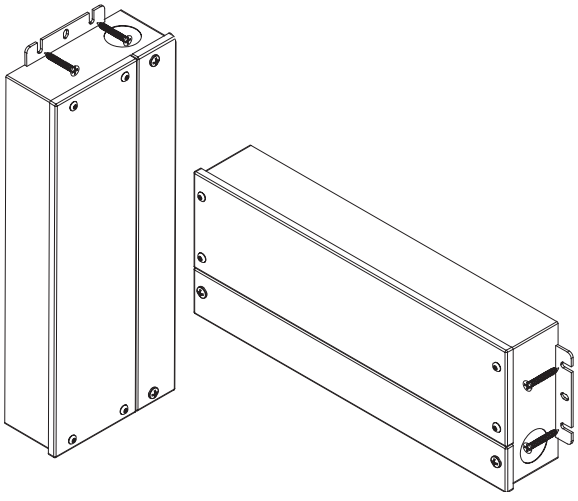


2. The QZ must be mounted into a stud for sufficient support, using either the center holes or the slots of each mounting tab

CENTER HOLE



SIDE SLOTS



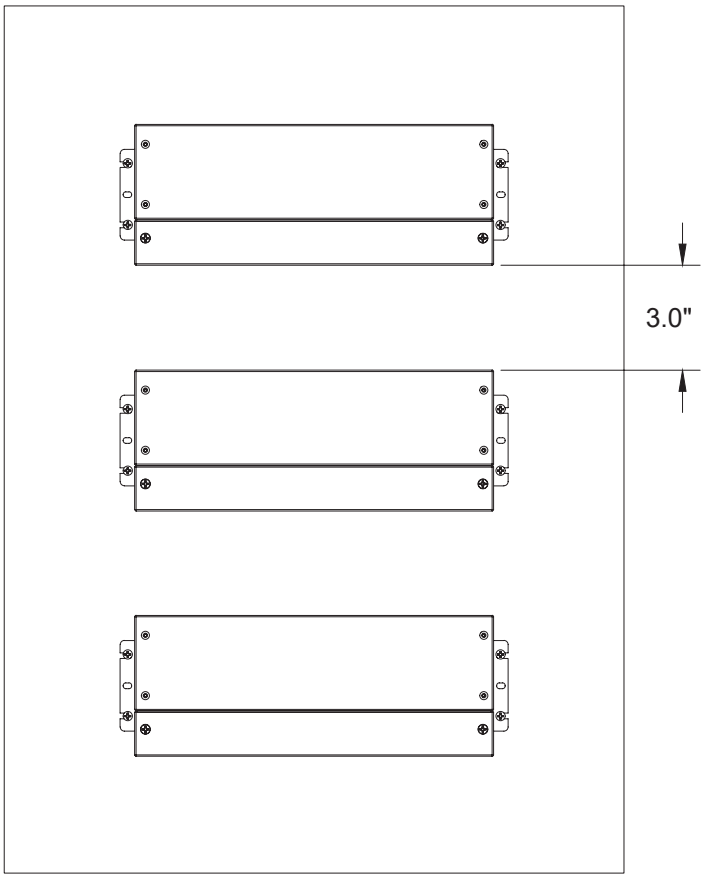
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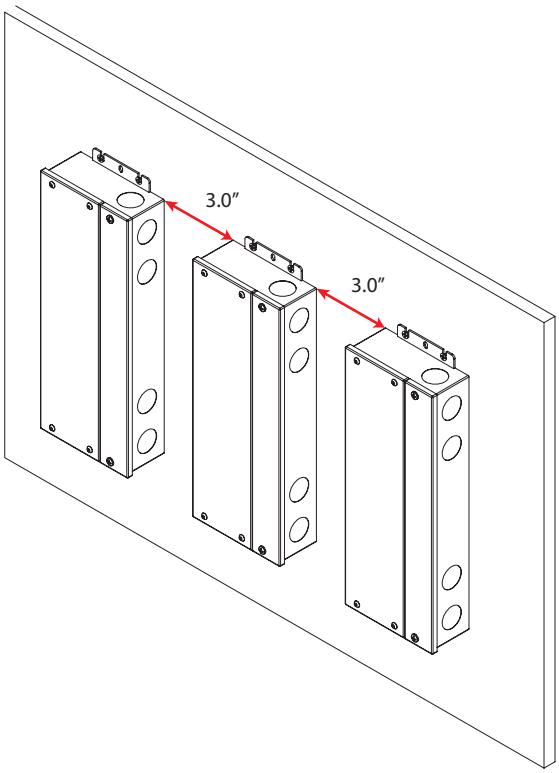
QZ-ND

Installation Instructions

3 When installing multiple QZ power supplies, seperate the enclosures by 3” of space from edge to edge. This prevents the rise of ambient temperature between the power supplies.



Horizontal mount illustrated above



Vertical mount illustrated above

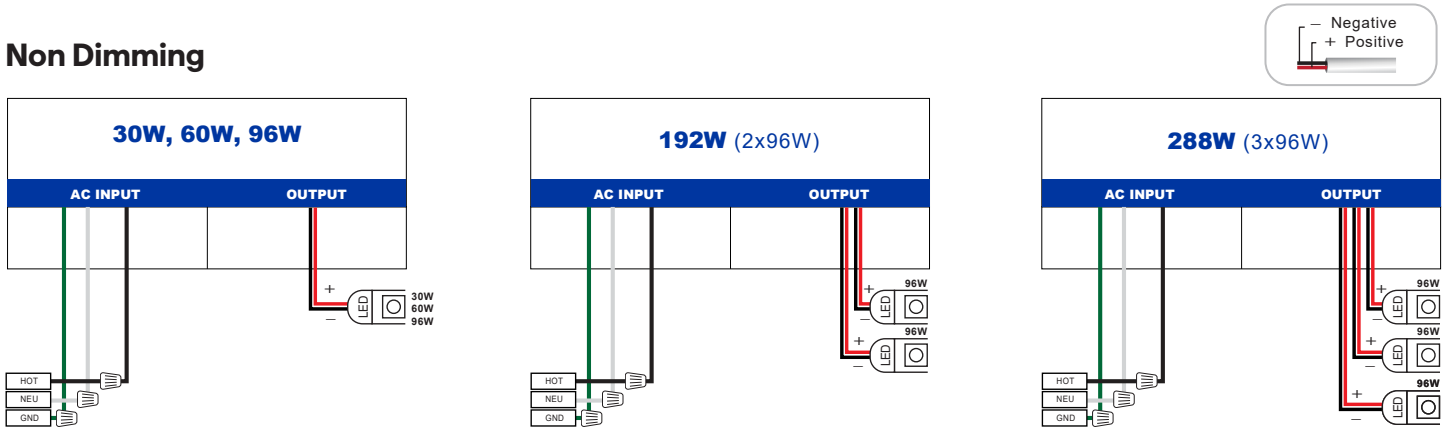
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QZ-ND

Installation Instructions

4 Wiring diagram

Non Dimming



Wiring from power supply to light fixture must be two conductor cable

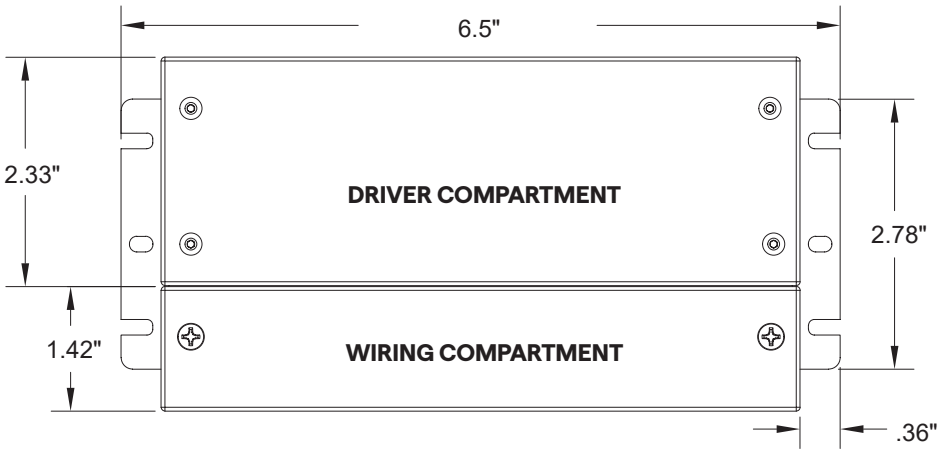
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QZ-ND

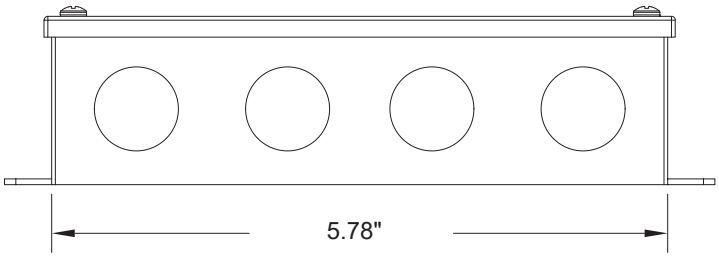
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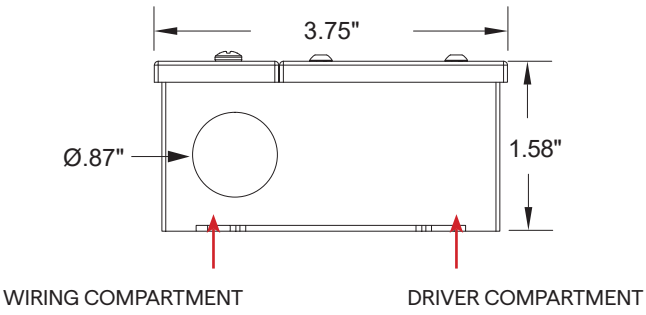
QZ 30W

TOP VIEW



WIRING COMPARTMENT VIEW





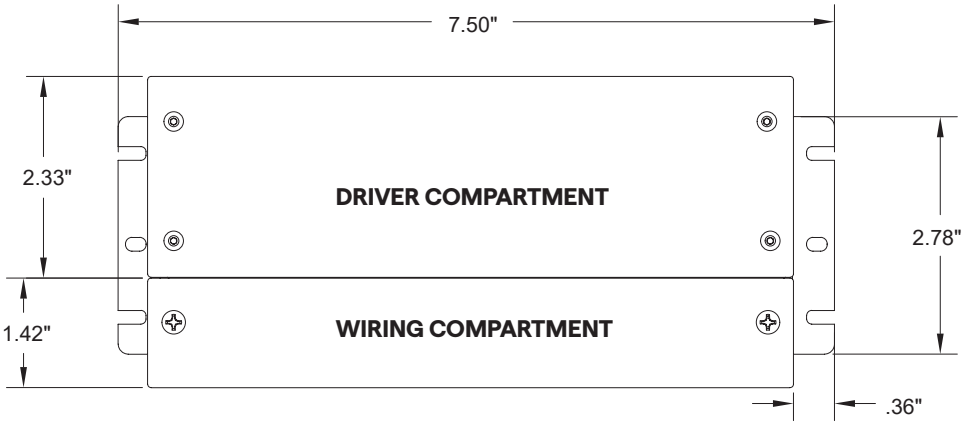
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QZ-ND

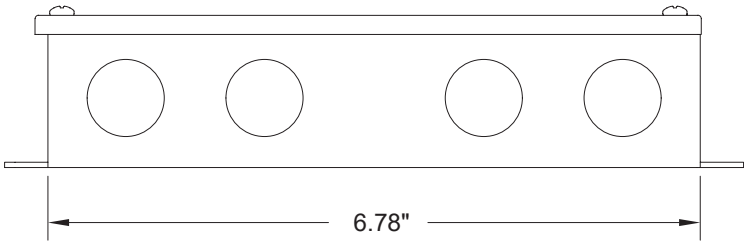
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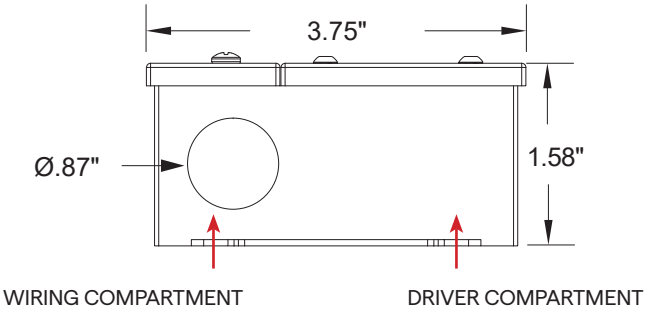
QZ 60W

TOP VIEW



WIRING COMPARTMENT VIEW





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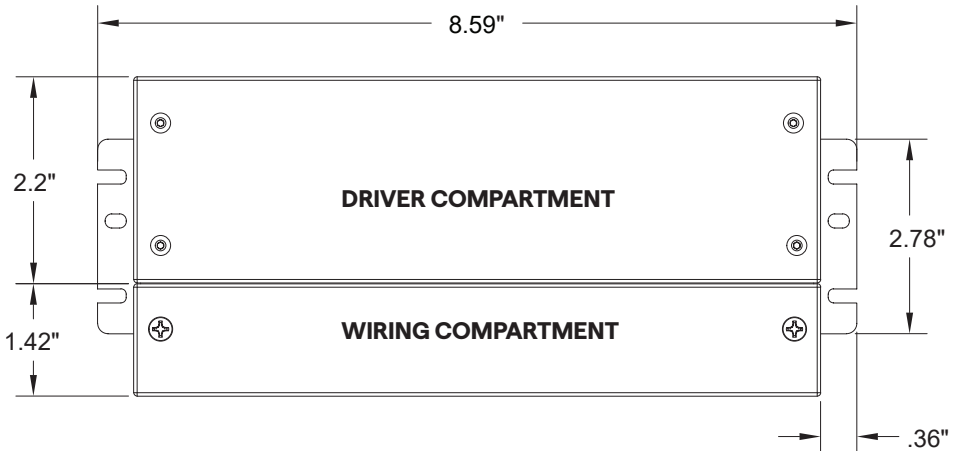
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QZ-ND

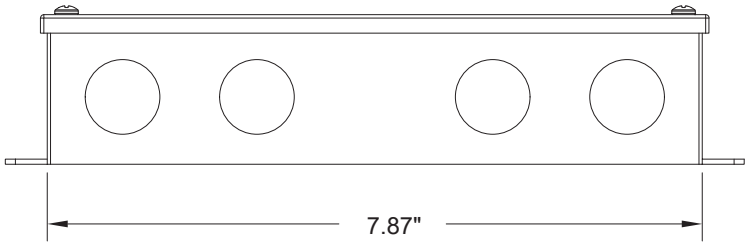
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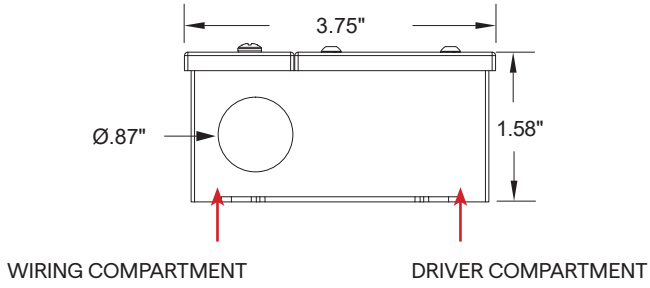
QZ 96W

TOP VIEW



WIRING COMPARTMENT VIEW





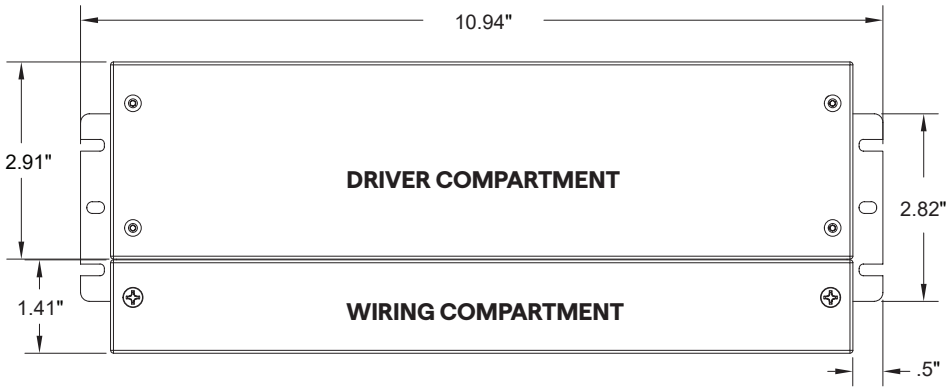
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QZ-ND

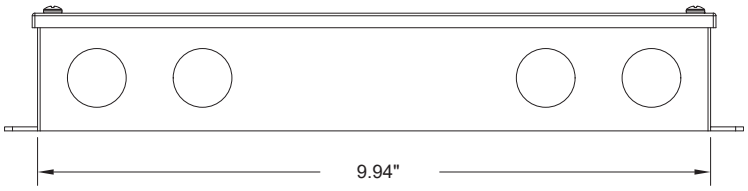
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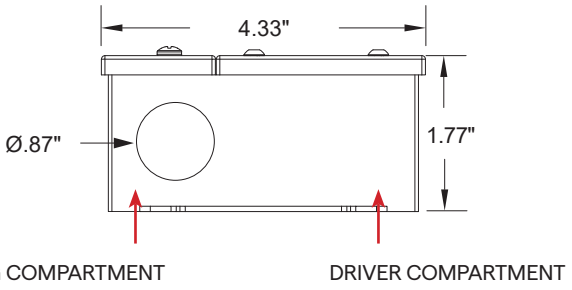
QZ 192W

TOP VIEW



WIRING COMPARTMENT VIEW





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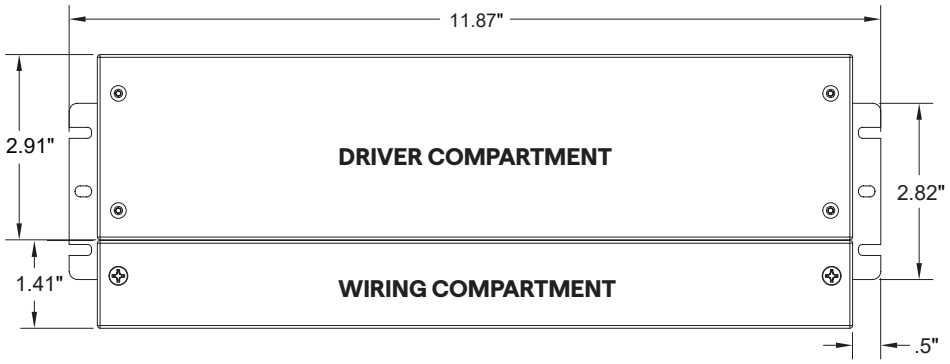
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QZ-ND

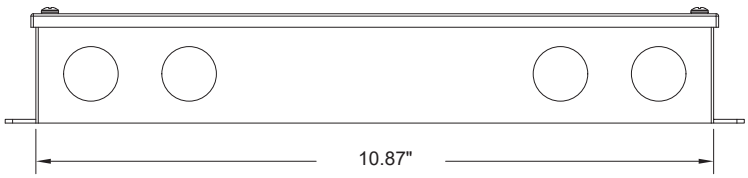
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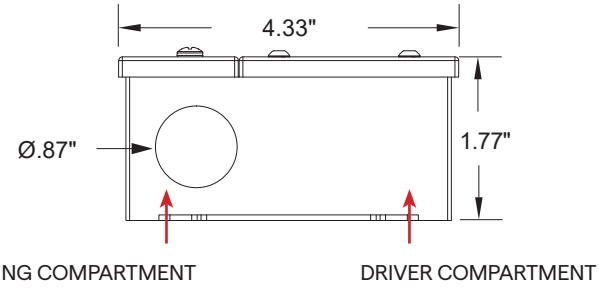
QZ 288W

TOP VIEW



WIRING COMPARTMENT VIEW





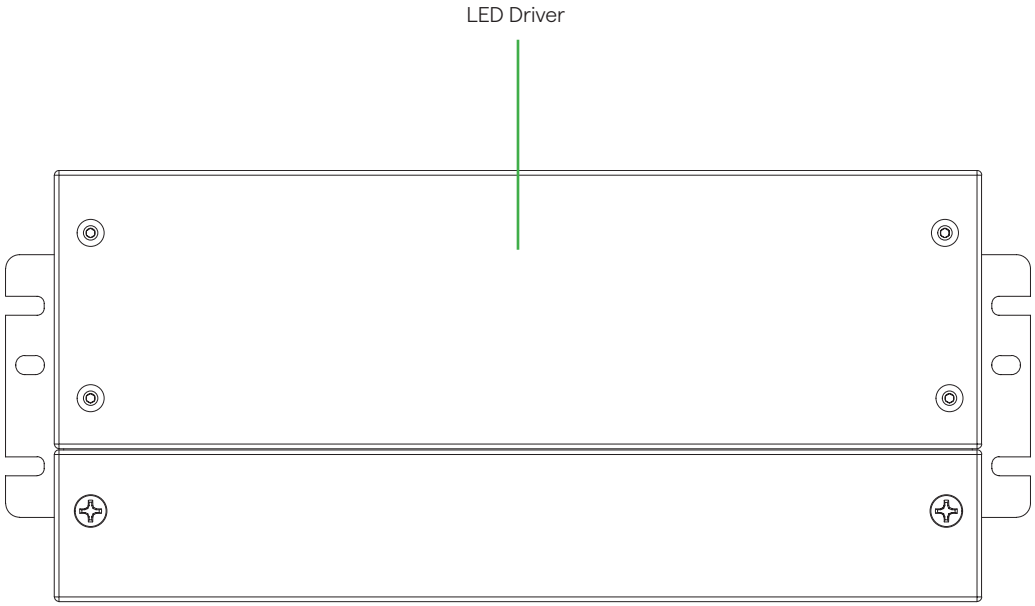
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MATERIAL RECYCLING

QZ FAMILY

You may be done with your products, but chances are they still have more to give. Follow these instructions to break down and sort recyclable components. Check with local recycling collection to ensure they accept the materials listed below.

Additionally, Q-Tran offers a Takeback Program. Contact factory for information.



QZ-96W shown

E

LED Drivers

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