



QT-CAB-QZ-PH/0-10V

24V DC Power Supply - 30W-576W



MADE IN AMERICA
FROM DOMESTIC &
FOREIGN PARTS



- Housing can be recessed or surface mounted
- Type IC rated
- Utilizes the QZ technology to provide phase or 0-10V dimming down to 0.1%.
- Compatible with 24VDC constant voltage products
- UL listed enclosure allows for up to 7 drivers with discrete 24V output and 0-10V dimming control
- Designed for interior use

QT-CAB ORDERING PROCESS

A Specify housing

B Specify power supply tray details

A. HOUSING

A1	A2
PRODUCT	COLOR
QT-CAB	

Sample Part Number: QT-CAB-WH

A1	PRODUCT
	QT-CAB

A2	COLOR
WH	White (Standard)
BK	Black Powder Coat Finish

B1

PRODUCT

QT-CAB

QT-CAB-QZ

For customized mix of wattages, contact local sales rep.

B2

WATTAGE

30x1 130W Driver
30x2 230W Drivers
30x3 330W Drivers
30x4 430W Drivers
30x5 530W Drivers
30x6 630W Drivers
30x7 730W Drivers
60x1 160W Driver
60x2 260W Drivers
60x3 360W Drivers
60x4 460W Drivers
60x5 560W Drivers
60x6 660W Drivers
60x7 760W Drivers
96x1 196W Driver
96x2 296W Drivers
96x3 396W Drivers
96x4 496W Drivers
96x5 596W Drivers
96x6 696W Drivers

B3

PRIMARY VOLTAGE

UNV Universal (120-277V)

24VDC

B4

SECONDARY VOLTAGE

B5	CONTROL
PH/010	Phase or 0-10V dimming

B6

ASSEMBLY

FA Factory Assembled
NI Not Installed

Select NI to receive the housing before the power supply tray ships.

B7

CORRELATED HOUSING COLOR

WH White (Standard)
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	✓
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	



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PRODUCT INFORMATION

- Limited output voltage and current, plus isolation for safe operation
- PH/010 Dimming:
 - Phase dimming: works with forward phase / leading edge, MLV and Reverse phase / trailing edge, ELV, TRIAC dimmers
 - Dimming range: 0.1% - 100%
 - 0-10V dimming
 - 1-10V dimming
 - 10V PWM
 - Potentiometer
 - Flicker-free dimming
 - PWM (high frequency) output reduces visible flicker
- Follows recommended practices of IEEE standard P1789 to mitigate flicker-induced health risks
- Fully potted driver(s) for moisture resistance
- Suitable for dry and damp locations
- Suitable for surface or recessed mounting use
- Type IC rated
- Primary voltage - universal (120-277V)
- Wide operating temperature range: -40°F to 95°F
- Storage temperature range: -40°F to 176°F
- Installation temperature range: -40°F to 140°F
- Fits up to (7) 30W 24VDC circuits or (7) 60W 24VDC circuits or (6) 96W 24VDC circuits
- Up to (7) 0-10V dimming zones (30W, 60W), Up to (6) 0-10V dimming zones (96W). Each circuit has a dedicated 0-10V control.
- Up to (7) primary zones (30W, 60W), Up to (6) primary zones (96W). Each output circuit has a dedicated AC input.
- 5 year warranty
- Class 2 output
- 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
 - CSA standard C22.2 No 250.13-14 - Light emitting diode (LED) equipment for lighting applications
 - ANSI/ UL standard 8750 - Light emitting diode (LED) equipment for use in lighting products

VOLTAGE DROP CHART

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 0-10

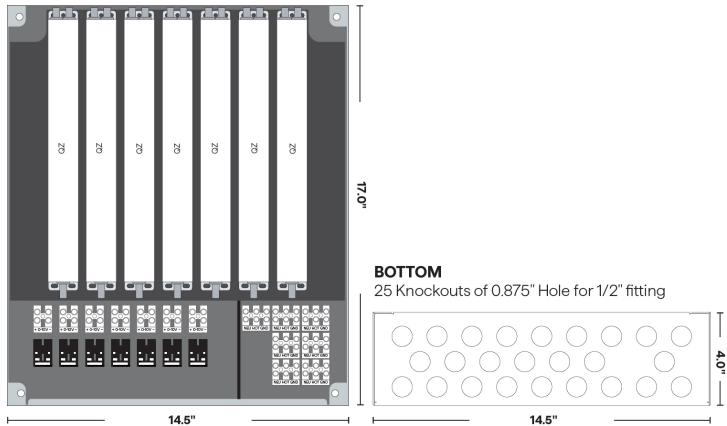
VDC	Load Wattage (W)	Distance from PS for 5% Voltage Drop								
		10 AWG	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG	26 AWG
24	15	913	574	361	227	143	90	55	35	22
	30	456	287	181	114	71	45	28	17	11
	60	228	143	90	57	36	22	14	9	5
	80	171	108	68	43	27	17	10	7	4
	96	143	90	56	35	22	14	9	5	3



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A1 PRODUCT - DIMENSIONS



B2 TECHNICAL INFORMATION

Wattage	Max Load (Watts)	Secondary Voltage	Max Prim Amps @ 120V	Max Prim Amps @ 277V
30W	1x30W	24VDC	0.29A	0.12A
60W	1x60W	24VDC	0.57A	0.24A
100W	1x100W	24VDC	0.95A	0.40A
200W	2x100W	24VDC	1.90A	0.80A
300W	3x100W	24VDC	2.85A	1.20A
400W	4x100W	24VDC	3.80A	1.60A
500W	5x100W	24VDC	4.75A	2.00A
600W	6x100W	24VDC	5.70A	2.40A

HOUSING

- 18 gauge welded steel enclosure: 14.5"W x 17.0"H x 4.00"D
- Door: 15.5"W x 18.0"H
- Knockouts: 25
- Bracket kit included for recessed or surface mounting.

PERFORMANCE

- Rated for surface mount or recessed use
- Type IC rated
- 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
 - Short circuit protection (SCP)
 - Over voltage protection (OVP)
 - Over current protection (OCP)
 - Live tested by the manufacturer to ensure proper operation
- Terminal blocks are made of tin plated copper with a voltage rating of 300V and a current rating of 40A



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SPECIFICATIONS

Input 30W			
24VDC			
Input Voltage (Vrms)	120	230	277
Input Current, max (Arms)	0.5	0.26	0.22
Inrush Current, max* (Apk)	7.0	9.5	12.0
Input Frequency (Hz)	50/60		
Input Power (Wmax)	60		

Input 60W			
24VDC			
Input Voltage (Vrms)	120	230	277
Input Current, max (Arms)	0.9	0.47	0.39
Inrush Current, max* (Apk)	22.4	32.4	42.4
Input Frequency (Hz)	50/60		
Input Power (Wmax)	108		

Input 96W			
24VDC			
Input Voltage (Vrms)	120	230	277
Input Current, max (Arms)	1.3	0.68	0.56
Inrush Current, max* (Apk)	20	22.5	25
Input Frequency (Hz)	50/60		
Input Power (Wmax)	156		

Output			
24VDC			
Output Voltage, nom (V)	24		
Output Current (A)	1.25	2.5	4.1
Output Power (Wmax)	30	60	100
Dimming 0-10V, max	2mA		

Environmental	Min	Nom	Max
THD (%)	-	-	20
PF (%)	0.94	-	-
Case Temp (°F)	-	-	90

*-200us event

PROTECTIONS

A2 COLOR



Black Powder
Coat Finish
White
(Standard)

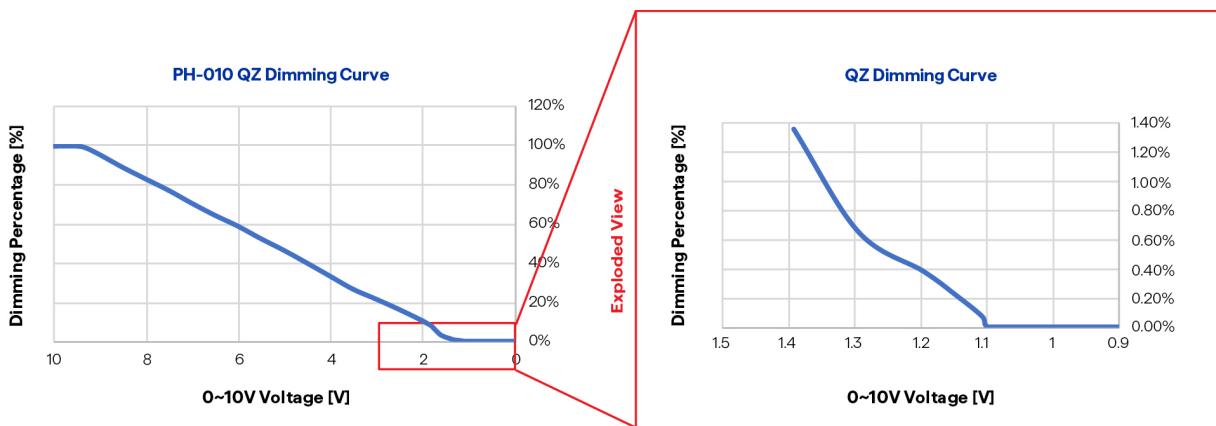
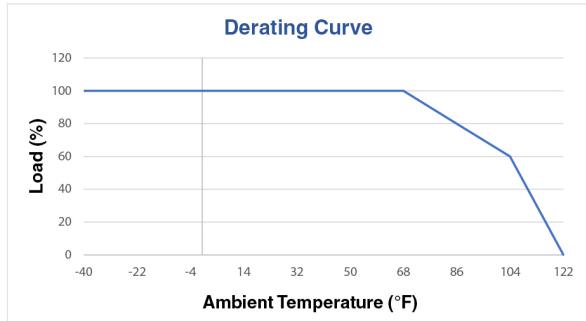
COMPLIANCE

- EMI Spec
 - FCC 47 Part 15
 - EN61000-3-2
- CSA Certified
 - UL-2108
 - UL-8750
 - CSA C22.2 No 250.0-08
 - CSA C22.2 No 250.13-14



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COMPATIBLE WIRING ACCESSORIES



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