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PRODUCT CATALOG 2020

# TABLE OF CONTENTS

## **MAGNETIC NEON TRANSFORMERS.....4**

### **ELECTRONIC NEON POWER SUPPLIES**

#### **OUTDOOR**

Electronic Neon Power Supplies 120VAC.....5

Electronic Neon Power Supplies 277VAC.....12

#### **INDOOR**

Electronic Neon Power Supplies 120VAC.....16

VT-DF01 Dimmer/Flasher.....19

Electronic Neon Power Supplies 12VDC Transformers.....25

Ventex AC Adapter .....29

### **VENBRITE LED LIGHTING SYSTEMS**

#### **VENBRITE LEDS**

System 100 LEDs.....30

System 100 Slim LEDs.....31

System 200 LEDs.....32

#### **VENBRITE DRIVERS**

VLP100-120.....33

VLP125SPD-120.....34

VLP100D-U.....35

VLP200-120.....36

VLP200-277.....37

VLP200D-U.....38

#### **VENBRITE ACCESSORIES**

Small Wire Nuts & GTO Retrofit Wire Nuts.....39

Low-Voltage LED Wire & Conduit Not Required Wire.....40

Snap Clips & Snap Stick.....41

#### **SIGN ACCESSORIES**

Transformer Box Enclosure .....42

LED Enclosure Box.....43

Toggle Switch & Accessories .....44

GTO Silicone Integral Sleeve Wire .....45

Silicone Neon Boots & Caps .....46

Federal Porcelain Panel Bushings & Neon Porcelain Housings ....47

Channel Bond Adhesive™ .....48

Resin Bond Adhesive™ .....49

Hypo Glue Applicators .....50

Absko Sign Products™ .....51

Fluorescent & Neon Tube Tester .....52

Shrink Connectors .....53

Wire .....54

#### **NEON SERVICE PARTS & INVENTORY.....56**

#### **LUMINOUS TUBE FOOTAGE CHART.....59**

STAY CONNECTED



Pictured on the front cover: Shawna Peterson @petersonneon

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troubleshooting and how-to videos.



# MAGNETIC NEON TRANSFORMERS

## Self-Adjusting Outdoor Type 2 The UNT Service Pro™

### FEATURES

- Coolest transformer on the market
- Solid copper windings
- Balanced mid-point return terminal
- Epoxy resin fill, not tar
- 3-year warranty

**UL Listed  
Transformer full  
of epoxy resin  
and not tar resin!**



UNT1512N3GO

UNT912N3G



Scan this QR code to see a video comparing our transformers with our competitors transformers.

### SPECIFICATIONS

	UNT Tank®	Weight	Input Voltage	Output	Replaces	Dimensions
67150	UNT1512N3GO Service Pro	30.4 lbs. / 486.4 oz	120V	30mA	15,000V, 12,000V, 10,500V	10.875" L x 4.375" W x 5.5" H
67260	UNT912N3G Service Pro	17 lbs. / 272 oz	120V	30mA	9,000V, 7,500V, 6,000V, 4,000V	9.85" L x 3.625" W x 3.875"

# VT4030CL-120

### FEATURES

- UL 2161 listed
- Complies with CSA22.2, No 107.1 and No. 3
- Offers open and short circuit protection
- All models are self-adjusting
- Automatic overload shutdown feature
- High power factor
- Grounding foot and green wire
- 1/2" conduit fitting for primary wiring
- Integral sleeve GTO (length listed below)
- Utilizes standard fill pressures



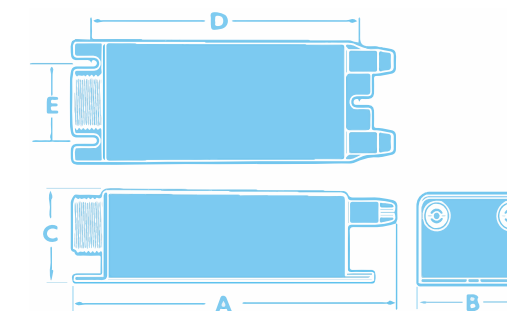
### SPECIFICATIONS

Input Voltage	120 VAC (±10%) 50/60Hz
Input Current	0.3A rms max.
Power Factor	0.95 min.
Output Frequency	Variable
Output Voltage	0V-4,000V
Output Current	30mA
Operating Temperature	-30°F to 122°F / -34°C to 50°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	1-10 ft (0.3-3.0 m)
Mercury	1-12 ft (0.3-3.7 m)

\*See Ventex Luminous Tube Footage Chart for more information.

### DIMENSIONS

Length (A)	5.10 in	13.0 cm
Width (B)	1.80 in	4.6 cm
Height (C)	1.40 in	3.6 cm
Mounting (D)	4.50 in	11.4 cm
Mounting (E)	1.18 in	3.0 cm
Weight	15.0 oz	425 g
Primary Leads	36.0 in	91.4 cm
GTO Leads	24.0 in	61.0 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646

# VT4060CL-120

## FEATURES

- UL 2161 listed
- Complies with CSA22.2, No 107.1 and No. 3
- Offers open and short circuit protection
- All models are self-adjusting
- Automatic overload shutdown feature
- High power factor
- Grounding foot and green wire
- ½" conduit fitting for primary wiring
- Integral sleeve GTO (length listed below)
- Utilizes standard fill pressures



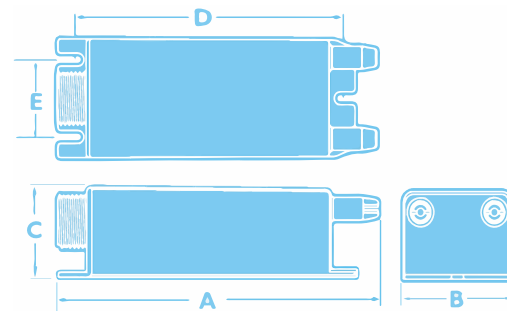
## SPECIFICATIONS

Input Voltage	120 VAC (±10%) 50/60Hz
Input Current	0.6A rms
Power Factor	0.95 min.
Output Frequency	Variable
Output Voltage	0V-4,000V
Output Current	60mA
Operating Temperature	-30°F to 122°F / -34°C to 50°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	1-10 ft (0.25-3.1m)
Mercury	1-12 ft (0.25-3.7m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	7.0 in	17.8 cm
Width (B)	1.95 in	5.0 cm
Height (C)	1.40 in	3.6 cm
Mounting (D)	6.50 in	16.5 cm
Mounting (E)	1.38 in	3.5 cm
Weight	22.0 oz	624 g
Primary Leads	36.0 in	91.4 cm
GTO Leads	32.0 in	81.3 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646

# VT6030CL-120

## FEATURES

- UL 2161 listed
- Complies with CSA22.2, No 107.1 and No. 3
- Offers open and short circuit protection
- All models are self-adjusting
- Automatic overload shutdown feature
- High power factor
- Grounding foot and green wire
- ½" conduit fitting for primary wiring
- Integral sleeve GTO (length listed below)
- Utilizes standard fill pressures



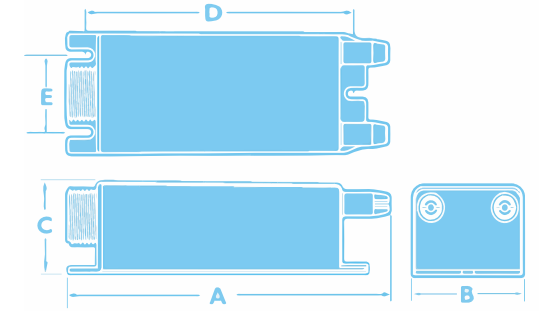
## SPECIFICATIONS

Input Voltage	120 VAC (±10%) 50/60Hz
Input Current	0.6A rms max.
Power Factor	0.95 min.
Output Frequency	Variable
Output Voltage	0V-6,000V
Output Current	30mA
Operating Temperature	-30°F to 122°F / -34°C to 50°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	3-16 ft (1.0-4.9m)
Mercury	3-20 ft (1.0-5.8m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	7.0 in	17.8 cm
Width (B)	1.95 in	4.9 cm
Height (C)	1.40 in	3.6 cm
Mounting (D)	6.50 in	16.5 cm
Mounting (E)	1.38 in	3.5 cm
Weight	22.0 oz	624 g
Primary Leads	36.0 in	91.4 cm
GTO Leads	32.0 in	81.3 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646

# VT6060CL-120

## FEATURES

- UL 2161 listed
- Complies with CSA22.2, No 107.1 and No. 3
- Offers open and short circuit protection
- All models are self-adjusting
- Automatic overload shutdown feature
- High power factor
- Grounding foot and green wire
- ½" conduit fitting for primary wiring
- Integral sleeve GTO (length listed below)
- Utilizes standard fill pressures



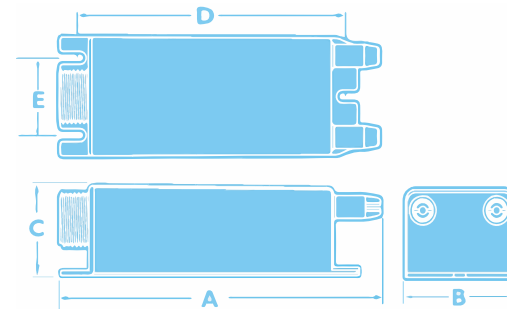
## SPECIFICATIONS

Input Voltage	120 VAC (±10%) 50/60Hz
Input Current	1.8A rms max.
Power Factor	0.93
Output Frequency	Variable
Output Voltage	0V-6,000V
Output Current	60mA
Operating Temperature	-30°F to 122°F / -34°C to 50°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	3-16 ft (1-4.9m)
Mercury	3-20 ft (1.0-5.8m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	6.65 in	16.9 cm
Width (B)	3.0 in	7.6 cm
Height (C)	1.55 in	3.9 cm
Mounting (D)	6.13 in	15.6 cm
Mounting (E)	2.25 in	5.7 cm
Weight	34.0 oz	946 g
Primary Leads	36.0 in	91.4 cm
GTO Leads	32.0 in	81.3 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646

# VT9030CL-120

## FEATURES

- UL 2161 listed
- Complies with CSA22.2, No 107.1 and No. 3
- Offers open and short circuit protection
- All models are self-adjusting
- Automatic overload shutdown feature
- High power factor
- Grounding foot and green wire
- ½" conduit fitting for primary wiring
- Integral sleeve GTO (length listed below)
- Utilizes standard fill pressures



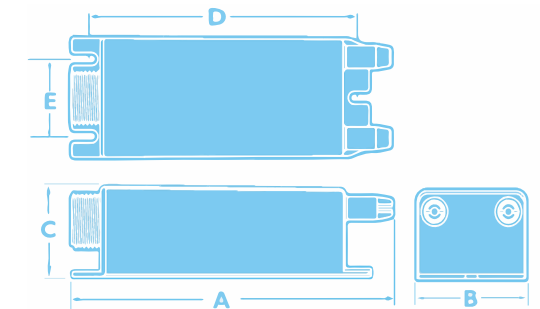
## SPECIFICATIONS

Input Voltage	120 VAC (±10%) 50/60Hz
Input Current	0.9A rms
Power Factor	0.95 min.
Output Frequency	Variable
Output Voltage	0V-9,000V
Output Current	30mA
Operating Temperature	-30°F to 122°F / -34°C to 50°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	4-26 ft (1.2-7.9 m)
Mercury	4-31 ft (1.2-9.5 m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	6.65 in	16.9 cm
Width (B)	3.0 in	7.6 cm
Height (C)	1.55 in	3.9 cm
Mounting (D)	6.13 in	15.6 cm
Mounting (E)	2.25 in	5.7 cm
Weight	34.0 oz	964 g
Primary Leads	36.0 in	91.4 cm
GTO Leads	32.0 in	81.3 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646

# VT9060CL-120

## FEATURES

- UL 2161 listed
- Complies with CSA22.2, No 107.1 and No. 3
- Offers open and short circuit protection
- All models are self-adjusting
- Automatic overload shutdown feature
- High power factor
- Grounding foot and green wire
- ½" conduit fitting for primary wiring
- Integral sleeve GTO (length listed below)
- Utilizes standard fill pressures



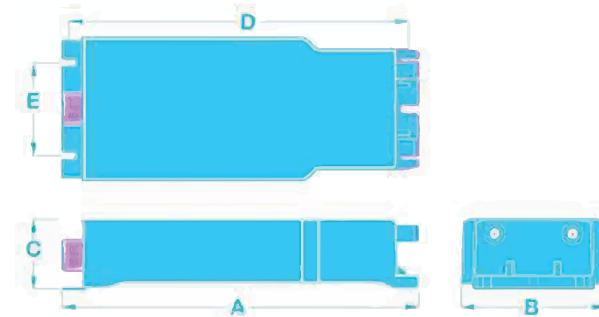
## SPECIFICATIONS

Input Voltage	120 VAC (±10%) 50/60Hz
Input Current	1.85A rms
Power Factor	0.98 min.
Output Frequency	20 kHz Fixed
Output Voltage	0V-9,000V
Output Current	60mA
Operating Temperature	-30°F to 122°F / -34°C to 50°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	4-26 ft (1.2-7.9 m)
Mercury	4-31 ft (1.2-9.5 m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	8.63 in	22.0 cm
Width (B)	3.5 in	8.9 cm
Height (C)	1.70 in	4.3 cm
Mounting (D)	8.13 in	20.7 cm
Mounting (E)	2.25 in	5.7 cm
Weight	52.0 oz	1,474 g
Primary Leads	36.0 in	91.4 cm
GTO Leads	32.0 in	81.3 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646

# VT12030CL-120

## FEATURES

- UL 2161 listed
- Complies with CSA22.2, No 107.1 and No. 3
- Offers open and short circuit protection
- All models are self-adjusting
- Automatic overload shutdown feature
- High power factor
- Grounding foot and green wire
- ½" conduit fitting for primary wiring
- Integral sleeve GTO (length listed below)
- Utilizes standard fill pressures



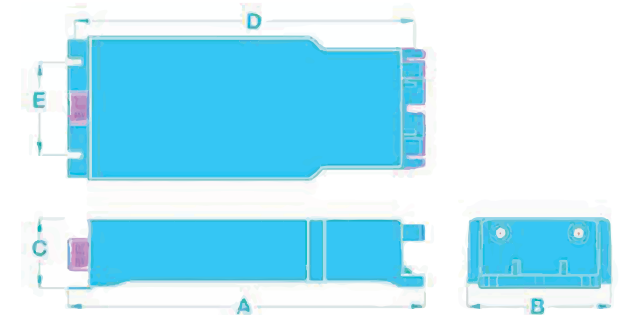
## SPECIFICATIONS

Input Voltage	120 VAC (±10%) 50/60Hz
Input Current	1.25AAC rms
Power Factor	0.93 min.
Output Frequency	20 kHz Fixed
Output Voltage	0V-12,000V
Output Current	30mA
Operating Temperature	-30°F to 122°F / -34°C to 50°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	4-35 ft (1.2-10.7m)
Mercury	4-42 ft (1.2-12.8m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	8.63 in	22.0 cm
Width (B)	3.50 in	8.9 cm
Height (C)	1.7 in	4.3 cm
Mounting (D)	8.13 in	20.7 cm
Mounting (E)	2.25 in	5.7 cm
Weight	52.0 oz	1,474 g
Primary Leads	36.0 in	91.4 cm
GTO Leads	32.0 in	81.3 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646

# VT4030CL-277

## FEATURES

- UL 2161 listed
- Complies with CSA22.2, No 107.1 and No. 3
- Offers open and short circuit protection
- All models are self-adjusting
- Automatic overload shutdown feature
- High power factor
- Grounding foot and green wire
- ½" conduit fitting for primary wiring
- Integral sleeve GTO (length listed below)
- Utilizes standard fill pressures



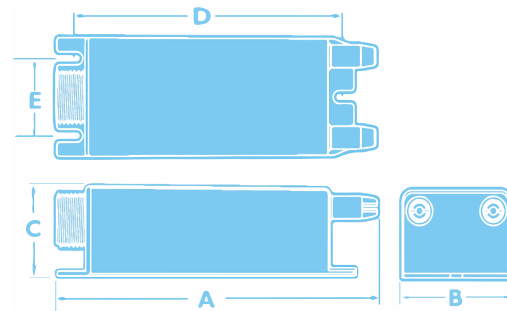
## SPECIFICATIONS

Input Voltage	277 VAC (±10%) 50/60Hz
Input Current	0.2A rms max.
Power Factor	0.92 min.
Output Frequency	Variable
Output Voltage	0V-4,000V
Output Current	30mA
Operating Temperature	-30°F to 122°F / -34°C to 50°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	1-10 ft (0.3-3.0 m)
Mercury	1-12 ft (0.3-3.7 m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	5.10 in	13.0 cm
Width (B)	1.80 in	4.6 cm
Height (C)	1.40 in	3.6 cm
Mounting (D)	4.50 in	11.4 cm
Mounting (E)	1.18 in	3.0 cm
Weight	15.0 oz	425 g
Primary Leads	36.0 in	91.4 cm
GTO Leads	24.0 in	61.0 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646

# VT4060CL-277

## FEATURES

- UL 2161 listed
- Complies with CSA22.2, No 107.1 and No. 3
- Offers open and short circuit protection
- All models are self-adjusting
- Automatic overload shutdown feature
- High power factor
- Grounding foot and green wire
- ½" conduit fitting for primary wiring
- Integral sleeve GTO (length listed below)
- Utilizes standard fill pressures



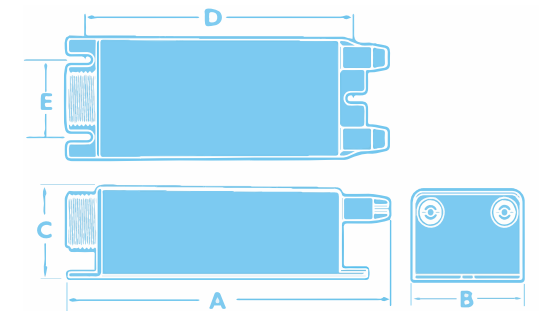
## SPECIFICATIONS

Input Voltage	277 VAC (±10%) 50/60Hz
Input Current	0.3A rms
Power Factor	0.90 min.
Output Frequency	Variable
Output Voltage	0V-4,000V
Output Current	60mA
Operating Temperature	-30°F to 122°F / -34°C to 50°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	1-10 ft (0.25-3.1 m)
Mercury	1-12 ft (0.25-3.7 m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	7.0 in	17.8 cm
Width (B)	1.95 in	5.0 cm
Height (C)	1.40 in	3.6 cm
Mounting (D)	6.13 in	15.6 cm
Mounting (E)	2.25 in	5.7 cm
Weight	22.0 oz	624 g
Primary Leads	36.0 in	91.4 cm
GTO Leads	32.0 in	81.3 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646

# VT9030CL-277

## FEATURES

- UL 2161 listed
- Complies with CSA22.2, No 107.1 and No. 3
- Offers open and short circuit protection
- All models are self-adjusting
- Automatic overload shutdown feature
- High power factor
- Grounding foot and green wire
- ½" conduit fitting for primary wiring
- Integral sleeve GTO (length listed below)
- Utilizes standard fill pressures



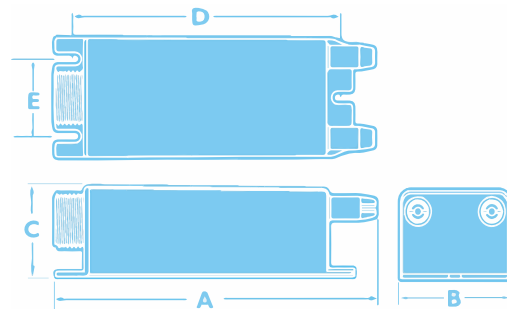
## SPECIFICATIONS

Input Voltage	277 VAC (±10%) 50/60Hz
Input Current	0.5A rms
Power Factor	0.90 min.
Output Frequency	Variable
Output Voltage	0V-9,000V
Output Current	30mA
Operating Temperature	-30°F to 122°F / -34°C to 50°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	4-26 ft (1.2-7.9m)
Mercury	4-31 ft (1-9.5m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	6.65 in	16.9 cm
Width (B)	3.0 in	7.6 cm
Height (C)	1.55 in	3.9 cm
Mounting (D)	6.13 in	15.6 cm
Mounting (E)	2.25 in	5.7 cm
Weight	34.0 oz	964 g
Primary Leads	36.0 in	91.4 cm
GTO Leads	32.0 in	81.3 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646

# VT9060CL-277

## FEATURES

- UL 2161 listed
- Complies with CSA22.2, No 107.1 and No. 3
- Open circuit, short circuit and ground fault protection
- All models are self-adjusting
- Automatic overload shutdown feature
- High power factor
- Grounding foot and green wire
- ½" conduit fitting for primary wiring
- Integral sleeve GTO (length listed below)
- Utilizes standard fill pressures



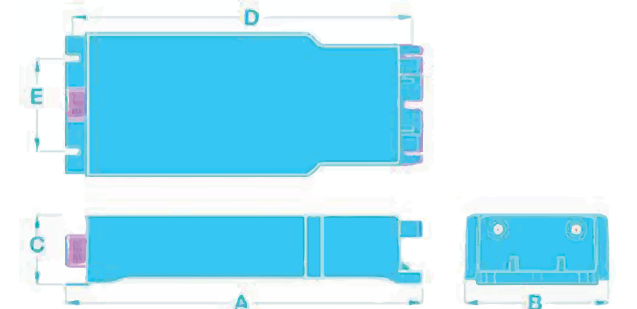
## SPECIFICATIONS

Input Voltage	277 VAC (±10%) 50/60Hz
Input Current	0.75A rms max.
Power Factor	0.98 min.
Output Frequency	Variable
Output Voltage	0V-9,000V
Output Current	60mA
Operating Temperature	-30°F to 122°F / -34°C to 50°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	4-26 ft (1.2-7.9 m)
Mercury	4-31 ft (1.2-9.5 m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	8.63 in	22.0 cm
Width (B)	3.50 in	8.9 cm
Height (C)	1.70 in	4.3 cm
Mounting (D)	8.13 in	20.7 cm
Mounting (E)	2.25 in	5.7 cm
Weight	52.0 oz	1,474 g
Primary Leads	36.0 in	91.4 cm
GTO Leads	32.0 in	81.3 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646



# VT4030-120

## FEATURES

- Ten-foot power cord (3 Pin)
- Line load regulated (30mA self-adjusting output regardless of load size or input voltage fluctuations)
- High power factor (energy saving/cost effective)
- Use with mercury or neon
- Solid state technology
- 24" H-V Output Leads
- UL 2161 listed
- Ground connection via mounting foot and 3-prong plug
- Open circuit and overload will shut unit down



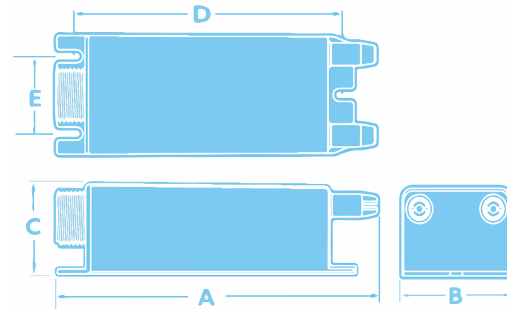
## SPECIFICATIONS

Input Voltage	120VAC (+/-10%) 50/60 Hz
Input Current	0.3A rms
Power Factor	0.92 min.
Output Frequency	Variable
Output Voltage	0V-4,000V
Output Current	30mA
Operating Temperature	32°F to 104°F / 0°C to 40° C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	1-10 ft (0.03-3.0 m)
Mercury	1-12 ft (0.03-3.7 m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	5.1 in	13.0 cm
Width (B)	1.8 in	4.6 cm
Height (C)	1.40 in	3.6 cm
Mounting (D)	4.50 in	11.4 cm
Mounting (E)	1.20 in	3.0 cm
Weight	20.0 oz	567 g
Power Cord	10.0 ft	3.0 m
GTO Leads	24.0 in	61.0 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646

# VT5520-120F

## FEATURES

- Line load regulated (30mA self-adjusting output regardless of load size or input voltage fluctuations)
- High power factor (energy saving/cost effective)
- Use with Mercury or neon
- In line On/off switch
- Solid state technology
- 24" H-V Output Leads
- UL 2161 listed
- Ground connection via mounting foot and green wire
- Open circuit and overload will shut unit down



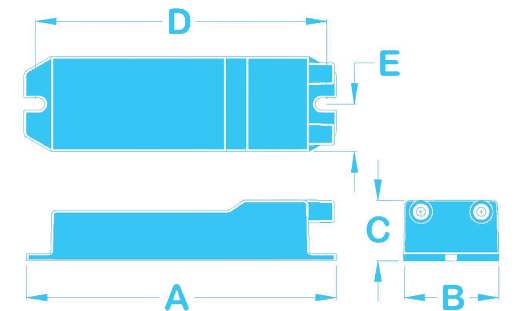
## SPECIFICATIONS

Input Voltage	120VAC (+/-10%) 50/60 Hz
Input Current	0.35A rms
Power Factor	0.95 min.
Output Frequency	Variable
Output Voltage	0V-5,500V
Output Current	20mA
Operating Temperature	32°F to 104°F / 0°C to 40°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	1-13 ft (0.03-3.9 m)
Mercury	1-16 ft (0.03-4.9 m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	4.9 in	12.4 cm
Width (B)	1.8 in	4.6 cm
Height (C)	1.4 in	3.6 cm
Mounting (D)	4.50 in	11.4 cm
Mounting (E)	0.75 in	1.9 cm
Weight	6.5 oz	184 g
Power Cord	18.0 in Flying Leads	
GTO Leads	18.0 in	45.7 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646

# VT5520A-120F

Dims or flashes with VT-DF01 Dimmer & Flasher

## FEATURES

- Flashing/Animation remotely controlled via 9 to 15VDC signal
- Automatic overload shutdown
- Open Circuit Protection
- Grounding lead
- 24" input wires
- Utilizes standard gas pressure
- Solid state technology
- 18-inch H-V output leads
- Complies with UL and CSA



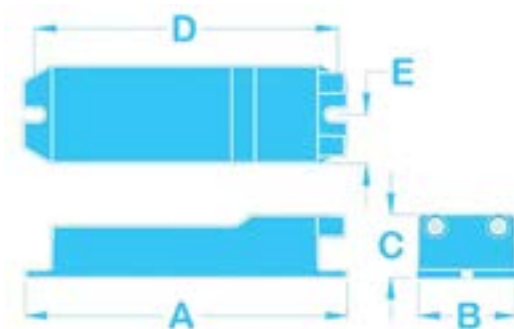
## SPECIFICATIONS

Input Voltage	120VAC (+/-10%) 50/60 Hz
Input Current	0.35 A max.
Power Factor	N/A
Output Frequency	Variable
Output Voltage	100V-5,500V
Output Current	24mA
Operating Temperature	-30°F to 122°F / -34°C to 50°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	1-13 ft (0.3-3.9 m)
Mercury	1-16 ft (0.3-4.9 m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	4.9 in	12.45 cm
Width (B)	1.5 in	3.81 cm
Height (C)	0.90 in	2.29 cm
Mounting (D)	4.50 in	11.43 cm
Mounting (E)	0.75 in	1.91 cm
Weight	7.0 oz	198 g
Primary Leads	18.0 in	45.7 cm
GTO Leads	18.0 in	45.7 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646



Scan this QR code to see this power supply in action!



# VT-DF01 DIMMER/FLASHER

For use with VT5520A-120F

## FEATURES

- Dims or flashes 1 or 2 VT5520A-120F Power Supplies
- Dims 0-100% brightness or flashes at desired speed with single control knob
- UL and cUL Listed to UL 2161
- Small size and lightweight



## SPECIFICATIONS

Input Voltage	120V RMS
Input Voltage Range	108VAC - 132VAC
Max. Load Input Current	12mA RMS
Line Frequency	50/60Hz
Output Signals	10V (high) - 0V (low)
Output Current	2mA RMS
Operating Temperature	-30°F to 122°F / -34°C to 50°C

## DIMENSIONS

Size	2.75 in x 1.5 in x 0.75 in	6.98 cm x 3.81 cm x 1.9 cm
Weight	2.7 oz	76.5 g



Scan this QR code to see a demonstration of the capabilities of our VT-DF01 Dimmer and Flasher with the VT 5520A-120F.



# VT6030-120

## FEATURES

- Pull-chain on/off switch
- Unit will not trip on capacitive currents up to 15mA
- Line load regulated (30mA self-adjusting output regardless of load size or input voltage fluctuations)
- Sign grounding connection via mounting foot and plug
- UL 2161 listed
- 32" GTO leads
- Complies with CSA22.2, No. 107.1, No. 13
- High power factor
- Open circuit and overload will shut unit down
- Ten-foot power cord (3-pin)



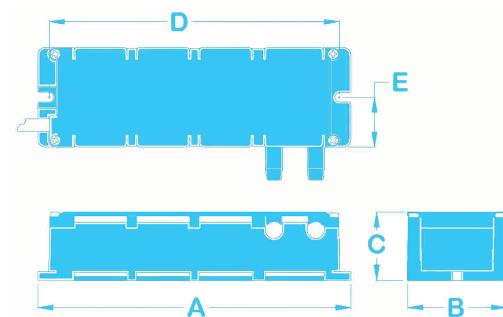
## SPECIFICATIONS

Input Voltage	120VAC (+/-10%) 50/60 Hz
Input Current	0.6A rms max.
Power Factor	0.95 min.
Output Frequency	Variable
Output Voltage	0V-6,000V
Output Current	30mA
Operating Temperature	32°F to 104°F/ 0°C to 40°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	3-16 ft (1-4.9 m)
Mercury	3-19 ft (1-5.8 m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	6.50 in	16.5 cm
Width (B)	2.05 in	5.2 cm
Height (C)	1.45 in	3.7 cm
Mounting (D)	6.0 in	15.2 cm
Mounting (E)	1.03 in	2.6 cm
Weight	24.0 oz	680 g
Power Cord	10.0 ft	3.0 m
GTO Leads	32.0 in	81.3 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646

# VT9030-120

## FEATURES

- Pull-chain on/off switch
- Ten-foot power cord (3 Pin)
- Unit will not trip on capacitive currents up to 15mA
- Line load regulated (30mA self-adjusting output regardless of load size or input voltage fluctuations)
- Sign grounding connection via mounting foot
- UL 2161 listed
- Complies with CSA22.2, No. 107.1, No. 13
- High power factor
- Open circuit overload and ground fault protection



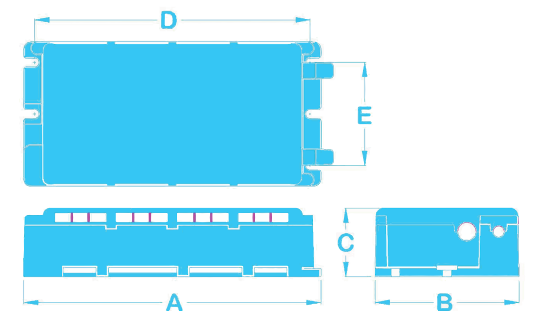
## SPECIFICATIONS

Input Voltage	120VAC (+/-10%) 50/60 Hz
Input Current	0.9A rms
Power Factor	0.95 min.
Output Frequency	Variable
Output Voltage	0V-9,000V
Output Current	30mA
Operating Temp	32°F to 104°F/ 0°C to 40°C
Driving Distance** (Based on Standard 12mm tube. Deduct one foot from driving footages for additional pair of electrodes.)	
Neon	4-26 ft (1.2-7.9 m)
Mercury	4-31 ft (1.2-9.5 m)

\*\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	6.50 in	16.5 cm
Width (B)	3.13 in	7.9 cm
Height (C)	1.56 in	3.9 cm
Mounting (D)	6.0 in	15.2 cm
Mounting (E)	2.25 in	5.7 cm
Weight	29.0 oz	793.8 g
Power Cord	10.0 ft	3.0 m
GTO Leads	32.0 in	81.3 cm



Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646

# VT9030D-120

Three level dimming\*\* 100%, 75%, 50%

## FEATURES

- 32" GTO leads
- Pull-chain on/off switch
- Unit will not trip on capacitive currents up to 15mA
- Line load regulated (30mA self-adjusting output regardless of load size or input voltage fluctuations)
- Sign grounding connection via mounting foot
- Ten-foot power cord (3 Pin)
- UL 2161 listed
- Complies with CSA22.2, No. 107.1, No. 13
- High power factor
- Special bulk with special 18 feet IEC Connector
- Open circuit overload will shut unit down

*NOTE: Under a fault condition, unit will attempt to reset two more times then latch off permanently unless the fault clears. Intermittent faults will not affect the operation of the unit.*

## SPECIFICATIONS

Input Voltage	120VAC (+/-10%) 50/60 Hz
Input Current	0.9A rms
Power Factor	0.95 min.
Output Frequency	Variable
Output Voltage	0V-9,000V
Output Current	30mA (3 Level Dimming*)
Operating Temperature	32°F to 104°F/ 0°C to 40°C
Driving Distance** (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	4-26 ft (1.2-7.9 m)
Mercury	4-31 ft (1.2-9.4 m)

\*See Ventex Luminous Tube Footage Chart for more information.

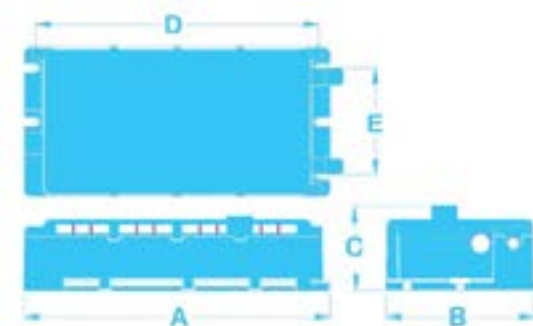
## DIMENSIONS

Length (A)	6.50 in	16.5 cm
Width (B)	3.13 in	7.9 cm
Height (C)	1.69 in	4.29 cm
Mounting (D)	6.0 in	15.2 cm
Mounting (E)	2.25 in	5.7 cm
Weight	28 oz	793.8 g
Power Cord	10.0 ft	3.0 m
GTO Leads	32.0 in	81.3 cm

Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646



\*\*Three-position switch on top of unit sets light output to three different levels



# VT12030-120

## FEATURES

- Exclusive Ventex GTO Lead Clamping System\*
- Pull-chain on/off switch
- Unit will not trip on capacitive currents up to 15mA
- Line load regulated (30mA self-adjusting output regardless of load size or input voltage fluctuations)
- Grounding connection via mounting foot
- Ten-foot power cord (3 Pin)
- UL 2161 listed
- Complies with CSA22.2, No. 107.1, No. 13
- High power factor (energy saving/cost effective)
- Open circuit, short circuit and ground fault protection

## SPECIFICATIONS

Input Voltage	120VAC (+/-10%) 50/60 Hz
Input Current	1.25A rms
Power Factor	0.95
Output Frequency	Variable
Output Voltage	0V-12,000V
Output Current	30mA
Operating Temperature	32° to 104°F/ 0°C to 40° C
Driving Distance** (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	5-35 ft (1.5-10.7 m)
Mercury	5-41 ft (1.5-12.5 m)

\*\*See Ventex Luminous Tube Footage Chart for more information.

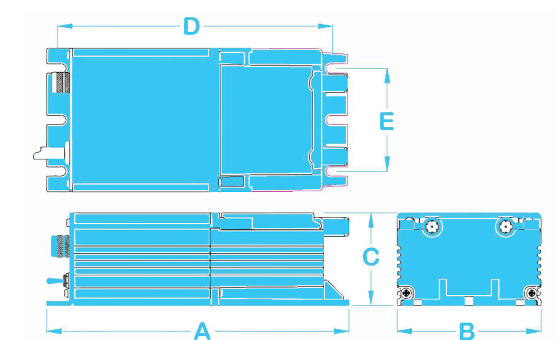
## DIMENSIONS

Length (A)	6.63 in	16.8 cm
Width (B)	3.15 in	8.0 cm
Height (C)	2.0 in	5.0 cm
Mounting (D)	6.0 in	15.2 cm
Mounting (E)	2.25 in	5.7 cm
Weight	32.0 oz	907 g
Power Cord	10.0 ft	3.0 m
GTO Leads	GTO Clamping System*	

Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646



\*Exclusive: Ventex GTO Lead Clamping system allows for easy field installation of properly sized GTO. Requirements: minimum of 10kV rated; .252 in. OD +/- 0.01; 4.0 ft maximum length for each output lead. Please refer to complete instructions in manual in box. Ventex GTO Kit available: Part #85340 GTO-10 Kit (8FT)



# VT12030D-120

Offers two levels of dimming: 100% and 65%

## FEATURES

- Exclusive Ventex GTO lead clamping system\*
- Ten foot power cord (3 Pin)
- Pull-chain on/off switch
- Line load regulated (30mA self-adjusting output regardless of load size or input voltage fluctuations)
- High power factor (energy saving/cost effective)
- Grounding connection via mounting foot
- UL 2161 listed
- Complies with CSA22.2, No. 107.1, No.13
- Open circuit, short circuit and ground fault protection

## SPECIFICATIONS

Input Voltage	120VAC (+/-10%) 50/60 Hz
Input Current	1.25A rms max.
Power Factor	0.95
Output Frequency	Variable
Output Voltage	0V-12,000V
Output Current	30mA (2 Level Dimming)
Operating Temperature	32° to 104°F/ 0°C to 40° C
Driving Distance** (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	5-35 ft (1.5-10.7 m)
Mercury	5-41ft (1.5-12.5 m)

\*\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

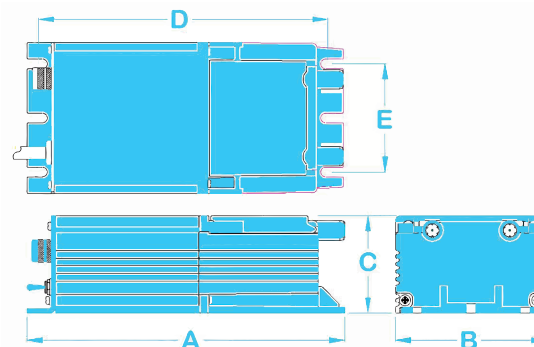
Length (A)	6.60 in	16.8 cm
Width (B)	3.15 in	8.0 cm
Height (C)	2.0 in	5.0 cm
Mounting (D)	6.0 in	15.2 cm
Mounting (E)	2.25 in	5.7 cm
Weight	32.0 oz	907 g
Power Cord	10.0 ft	3.0 m
GTO Leads	GTO Clamping System*	

Exclusive: These units are protected by Ventex's patented protective circuitry to prevent false tripping due to capacitive current. Patent #5892646



Shown with optional Ventex GTO Lead Kit Part #85340 GTO-10 Kit (8FT)\*

\*Exclusive: Ventex GTO Lead Clamping system allows for easy field installation of properly sized GTO. Requirements: minimum of 10kV rated; .252 in. OD +/- 0.01; 4.0 ft maximum length for each output lead. Please refer to complete instructions in manual in box. Ventex GTO Kit available: Part #85340 GTO-10 Kit (8FT)



# VT1510-12

Formerly NPS-12D5. Use with Ventex AC Adapter\*\*

## FEATURES

- UL and cUL listed to UL 2161
- Small size and lightweight
- Low-voltage input
- Use with argon and neon
- Use standard gas pressure
- Constant burn

## SPECIFICATIONS

Input Voltage	11 to 14VDC
Input Current	600mA rms (80%) 900mA rms max.
Output Voltage	0V-1,500V
Output Current	15mA
Operating Temperature	32°F to 104°F / 0°C to 40°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for each pair of electrodes.)	
Neon	2-5 ft (0.6-1.5 m)
Mercury	2-6 ft (0.6-1.8 m)

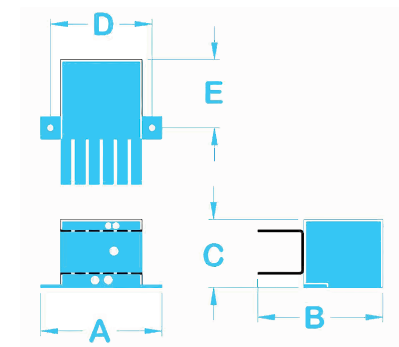
\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	2.20 in	5.6 cm
Width (B)	2.25 in	5.7 cm
Height (C)	1.10 in	2.8 cm
Mounting (D)	1.75 in	4.5 cm
Mounting (E)	1.15 in	2.9 cm
Weight	3.2 oz	91 g
Primary Leads	8.0 in	20.3 cm
GTO Leads	18.0 in	45.7 cm

Male connector to mate with wall adapter power supply.

\*\*Ventex AC Adapter is found on Page 29 of this catalog.



# VT4015-12

Use with Ventex AC Adapter\*\*

## FEATURES

- UL/cUL listed to UL 2161
- Small size/lightweight
- Low-voltage input
- Use standard gas pressure
- 12 Volt DC Input connector



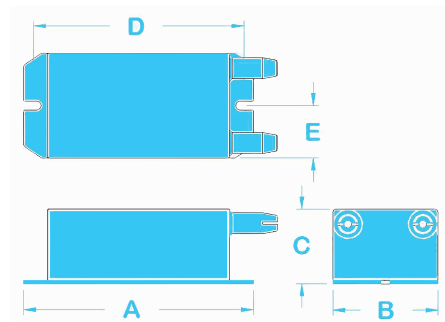
## SPECIFICATIONS

Input Voltage	11 to 14VDC
Input Current	1,400mA rms at full load
Output Voltage	4,000 Volts
Output Current	15mA
Operating Temp	32°F to 104°F / 0°C to 40°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for additional pair of electrodes.)	
Neon	0.5-12 ft (0.15-3.6 m)
Mercury	0.5-10 ft (0.15-3.0 m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	3.80 in	9.7 cm
Width (B)	1.85 in	4.6 cm
Height (C)	1.30 in	3.3 cm
Mounting (D)	3.50 in	8.9 cm
Mounting (E)	0.90 in	2.3 cm
Weight	9.0 oz	255 g
Primary Leads	8.0 in	20.3 cm
GTO Leads	18.0 in	45.7 cm



Male connector to mate with wall adapter power supply.

\*\*NOTE: Use with Ventex AC Adapter, found on Page 29 of this catalog.

# VT4015-12F

Use with Ventex AC Adapter\*\*

## FEATURES

- UL and cUL listed to UL 2161
- Small size and lightweight
- Low-voltage input
- Use standard gas pressure
- Indoor or outdoor operation



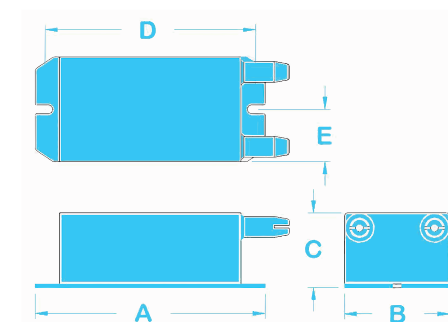
## SPECIFICATIONS

Input Voltage	11 to 14VDC
Input Current	1,400mA rms at full load
Output Voltage	0V-4,000V
Output Current	15mA
Operating Temp	32°F to 104°F / 0°C to 40°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for additional pair of electrodes.)	
Neon	0.5-12 ft (0.15-3.6 m)
Mercury	0.5-10 ft (0.15-3.0 m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	3.80 in	9.7 cm
Width (B)	1.85 in	4.6 cm
Height (C)	1.30 in	3.3 cm
Mounting (D)	3.50 in	8.9 cm
Mounting (E)	0.90 in	2.3 cm
Weight	9.0 oz	255 g
Primary Leads	8.0 in	20.3 cm
GTO Leads	18.0 in	45.7 cm



Male connector to mate with wall adapter power supply.

\*\*Ventex AC Adapter is found on Page 29 of this catalog.

# VT3015S-12

Formerly NPS-12D10S. Use with Ventex AC Adapter\*\*

## FEATURES

- Offers a scripting effect
- UL and cUL listed to UL 2161
- Small size and lightweight
- Low-voltage input
- Use standard gas pressure



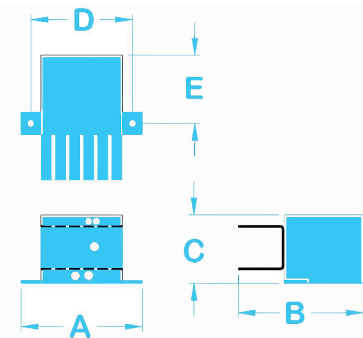
## SPECIFICATIONS

Input Voltage	11 to 14VDC
Input Current	600mA rms (normal) at full load
Output Voltage	0V-3,000V
Output Current	15mA
Operating Temp	32°F to 104°F / 0°C to 40°C
Driving Distance* (Based on Standard 12mm tube. Deduct one foot from driving footages for additional pair of electrodes.)	
Neon	3-10 ft (0.9-3.0 m)
Mercury	4-12 ft (1.2-3.6 m)

\*See Ventex Luminous Tube Footage Chart for more information.

## DIMENSIONS

Length (A)	3.20 in	8.1 cm
Width (B)	1.75 in	4.4 cm
Height (C)	1.20 in	3.0 cm
Mounting (D)	2.85 in	7.2 cm
Mounting (E)	0.20 in	0.5 cm
Weight	5.6 oz	159 g
Primary Leads	8.0 in	20.3 cm
GTO Leads	18.0 in	45.7 cm



Male connector to mate with wall adapter power supply.

\*\*NOTE: Use with Ventex AC Adapter, found on Page 29 of this catalog.

# VENTEX AC ADAPTER

For use with VT1510-12, VT4015-12, VT4015A-12F, VT3015S-12 or any device requiring 12VDC.

## FEATURES

- UL/cUL and internationally approved
- Perfect match for all low-voltage neon power supplies anywhere in the world
- Female output jack center positive: 2.5mm x 5.5mm x 9.0mm
- Powers all 12VDC Ventex electronic transformers
- Custom design minimizes AC ripple in DC output
- Ten-foot (3m) power cord
- In-line on/off switch
- Durable molded rubber connector plug
- UL 2161 Listed

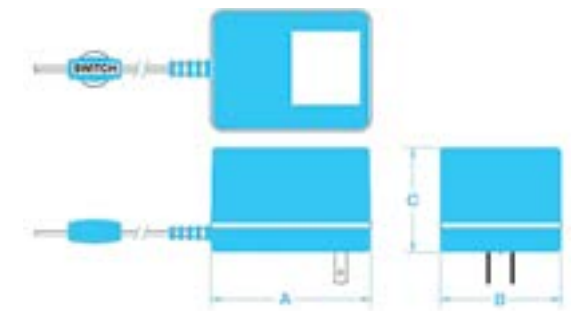


## SPECIFICATIONS

Part Number	WA1500US-US
Input Voltage	120 VAC 60Hz 35W
Output Voltage	12VDC
Output Current	1500mA
Operating Temp	0°F to 104°F / -18°C to 40°C

## DIMENSIONS

Length	3.30 in	8.4 cm
Width	2.50 in	6.4 cm
Height	2.15 in	5.5 cm
Weight	29 oz	822 g
Primary Leads	AC Plug / 2-Wire	
Output Lead	10 ft with switch	



# SYSTEM 100 LEDs

Economical LEDs with superior brightness and maximum energy efficiency. Ideal for signs 4"-6" deep.

## FEATURES

- Match or beat light output of all other LED systems with less footage, fewer drivers, lower energy consumption
- Cooler running (adding only 30°C at LED junction) than all Class 2 systems, ensuring longer life and more consistent illumination over time
- Evenly illuminates up to 6" wide stroke, reducing module counts and system costs
- Highest string efficacy (up to 126 lumens/watt) of any LED on the market, delivering the industry's highest light output per energy consumed
- Open circuit, short circuit and ground fault protection
- Series wired, constant-current technology allows 300' remote mounting of power supplies with 18 AWG wire, minimizing future service call costs
- Brighter than 30mA neon, with a 65-90% energy reduction
- Has overload and polarity protection, minimizing failures
- UL Classified for neon-to-LED Retrofits using existing GTO wiring and conduit, saving 40% over competitive conversion systems
- Exceptionally bright, single-bin Nichia white chip

Venbrite LED Module	VL-W100 C	VL-WW100	VL-R100
LED Type	White 100C	Warm White 100	Red 100
Color Temperature (K)	6,500 K	4,100 K	625 nm
Wavelength (nm)			
Input	12VDC		
String Efficacy	144 lm/W	98 lm/W	69 lm/W
LED Module Current	120 mA-dc	120 mA-dc	120 mA-dc
Watts per Module	0.387 W	0.40 W	0.26 W
Watts per Foot	0.774 W/ft	0.8 W/ft	0.52 W/ft
Lumens per Module	56 lm	39 lm	18 lm
Lumens per Foot	112 lm/ft	78 lm/ft	36 lm/ft
Maximum Load/Driver VLP 100-120	120 Modules (60 ft)	120 Modules (60 ft)	150 Modules (75 ft)
Maximum Loading VLP 125SPD-120	150 Modules (75 ft)	150 Modules (75 ft)	210 Modules (105 ft)
Minimum Modules/Driver	1 LED Module (all colors)		
Allowable Mod-Mod Pitch	Maximum= 6"		
Module Size (LxWxH)	1.10" x 1.25" x 0.20"		

Request a free layout and estimate by emailing specs and sign images to [layouts@ventextech.com](mailto:layouts@ventextech.com). For more information, visit [www.ventextech.com](http://www.ventextech.com).



Scan this QR code for a step-by-step video on how to service your Venbrite LEDs.



# SYSTEM 100 SLIM LEDs

Narrow, economical modules with superior brightness and maximum energy efficiency. Ideal for signs 2"-5" deep.

## FEATURES

- Brighter than Venbrite System 100 with 3 modules per foot
- The choice for shallow cans or back lighting down to 2" deep
- Contains an ultra-low system current and no-resistor design
- One-wire series system is fast and easy to install in tight spaces, also keeps cool even in tight spaces
- Constant current driver ensures uniform brightness throughout the sign
- Remote mounts up to 300' from first module with 18 AWG
- Exceptionally bright, single-bin Nichia white chip

	System 100N			System 100NS		
Venbrite LED Module	VL-W100N	VL-B100N	VL-R100N	VL-W100NS	VL-WW100NS	VL-R100NS
LED Type	White 100N	Blue 100N	Red 100N	White 100NS	Warm White 100NS	Red 100NS
Color Temperature (K)	6,500 K	465 nm	625 nm	6,500 K	4,100 K	625 nm
Wavelength (nm)						
Input	12VDC					
String Efficacy	123 lm/W	14 lm/W	69 lm/W	109 lm/W	87 lm/W	63 lm/W
LED Module Current	120 mA-dc	120 mA-dc	120 mA-dc	120 mA-dc	120 mA-dc	120 mA-dc
Watts per Module	0.40 W	0.37 W	0.26 W	0.45 W	0.45 W	0.32 W
Watts per Foot	1.2 W/ft	1.11 W/ft	0.78 W/ft	1.35 W/ft	1.35 W/ft	0.96 W/ft
Lumens per Module	49 lm	5 lm	18 lm	49 lm	39 lm	20 lm
Lumens per Foot	147 lm/ft	15 lm/ft	54 lm/ft	147 lm/ft	117 lm/ft	60 lm/ft
Maximum Loading/Driver VLP 100-120	120 Modules (40 ft)		150 Modules (50 ft)	105 Modules (35 ft)		135 Modules (45 ft)
Maximum Loading VLP 125SPD-120	150 Modules (50 ft)		210 Modules (70 ft)	126 Modules (42 ft)		150 Modules (50 ft)
Minimum Modules per Driver	1 LED Module (all colors)					
Allowable Mod to Mod Pitch	Maximum = 4"					
Module Size (L x W x H)	1.75" x 0.45" x 0.20"			2.0" x 0.50" x 0.20"		

Request a free layout and estimate by emailing specs and sign images to [layouts@ventextech.com](mailto:layouts@ventextech.com). For more information, visit [www.ventextech.com](http://www.ventextech.com).



Scan this QR code for a step-by-step video on how to service your Venbrite LEDs.





# SYSTEM 200 LEDs

Premium LEDs with superior brightness and maximum energy efficiency. Ideal for signs 5"-8" deep.

## FEATURES

- Match or beat light output of all other LED systems with less footage, fewer drivers and lower energy consumption-maximizing visual impact efficiently
- Cooler running (adding only 30°C at LED junction) than all Class 2 systems, ensuring longer life and more consistent illumination over time
- Evenly illuminates up to 6" wide stroke, reducing module counts and system costs
- String efficacy up to 117 lumens/watt
- Series wired, constant-current technology allows 300' remote mounting of power supplies with 18 AWG wire, minimizing future service call costs
- Brighter than 60mA neon, with a 70-93% energy reduction
- Has overload and polarity protection, minimizing failures
- UL Classified for neon-to-LED Retrofits using existing GTO wiring and conduit, saving 40% over competitive conversion systems
- Exceptionally bright, single-bin Nichia white chip

## SPECIFICATIONS

Venbrite LED Module	VL-W200	VL-WW200
LED Type	White 200	Warm White 200
Color Temperature (K)	6,500 K	4,100 K
Wavelength (nm)		
Input	12VDC	
String Efficacy	122 lm/W	97 lm/W
LED Module Current	250 mA-dc	250 mA-dc
Watts per Module	0.77 W	0.77 W
Watts per Foot	1.54 W/ft	1.54 W/ft
Lumens per Module	94 lm	75 lm
Lumens per Foot	188 lm/ft	150 lm/ft
Maximum Load/Driver	70 Modules (35 ft)	
Minimum Modules/Driver	1 LED Module all colors	
Allowable Mod-Mod Pitch	Maximum= 6"	
Module Size (LxWxH)	1.10" x 1.25" x 0.20"	

Request a free layout and estimate by emailing specs and sign images to [layouts@ventextech.com](mailto:layouts@ventextech.com). For more information, visit [www.ventextech.com](http://www.ventextech.com).



# VLP100-120

Use with Series 100 LEDs.



Scan this QR code for a step-by-step video on how to service your Venbrite LEDs.

## FEATURES

- Exclusive design saves up to 30% on neon-to-LED retrofits
- Series wired just like neon with bypass that prevents full string outage
- Constant current driver eliminates all resistors found on all other LED modules
- Consistently bright modules no matter the distance from the driver
- Highly efficient, cool-running design extends LED life
- Remote mounts up to 300 feet with 18AWG wire
- Safe, low-current design with GFI, open and short circuit, overload and polarity protection
- Long driving distances require fewer LED drivers
- Single-wire design reduces installation time
- UL Sign Components Manual (SAM) listed
- UL Classified for rapid retrofit neon-to-LED conversion

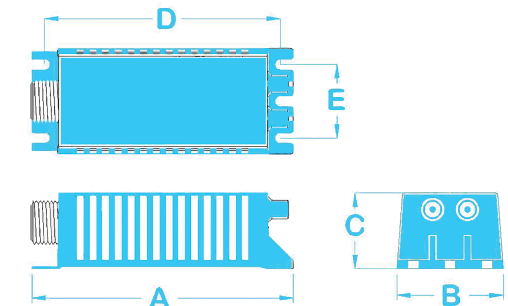
## SPECIFICATIONS

Input Voltage (50/60Hz)	120VAC (+/-10%)
Input Current @ Max. Load	0.5A rms
Power Factor	0.95 min.
Output Voltage	0-400 VDC (+/-200VDC max. to Gnd)
Output Current (Line Load Regulated)	120mA (Factory Set)
Output Power	50W max.
Operating Temperature*	-30°F to 122°F / -34°C to 50°C
Input Surge Protection	Varistor Type
Built-in Protection	GFI, Open and Short Circuit, Overload, Reverse Polarity

\*When operating at ambient temperature higher than above limit, reduce load by 10% for each 9°F (5°C) ambient rise.

## DIMENSIONS

Length (A)	4.85 in	12.3 cm
Width (B)	2.0 in	5.0 cm
Height (C)	1.58 in	4.0 cm
Mounting (D)	4.50 in	11.4 cm
Mounting (E)	1.38 in	3.5 cm
Weight	15.0 oz	425 g
Primary Leads	18.0 in	45.7 cm
Output Leads	18.0 in	45.7 cm

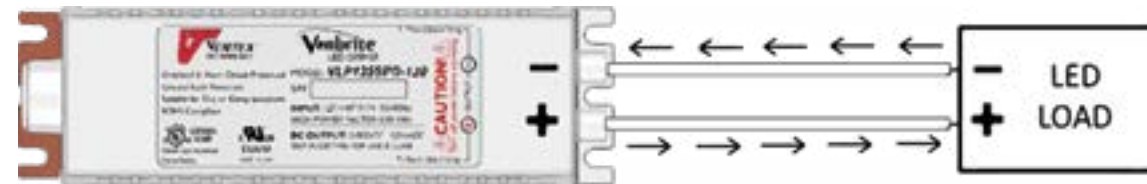


Scan this QR code for a step-by-step video on how to service your Venbrite LEDs.



# VLP125SPD-120

Use with Series 100 LEDs.



## FEATURES

- Drives 25% more output than the 100 Series
- Soft start eliminates spikes at turn on or when power is interrupted
- More robust surge protection across all three input lines (L-N, L-G, N-G)
- Higher voltage switching FETs (field effect transistor) for more sustained surge protection
- Improved output transfer performance
- Remote mount driver up to 300 feet from LED Load
- Output wires are both white, with polarity arrows to simplify connection

*NOTE: Although the LED driver and LED modules will not be damaged by reverse polarity, there will be no light produced.*

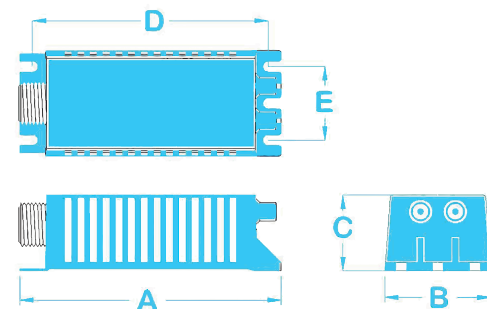
## SPECIFICATIONS

Input Voltage (50/60Hz)	120VAC (+/-10%)
Input Current @ Max. Load	0.63A rms @ max. load
Power Factor	0.90 min.
Output Voltage	0-500 VDC (+/-250VDC max. to Gnd)
Output Current (Line Load Regulated)	125mA (Factory Set)
Output Power	62.5W
Operating Temperature*	-30°F to 122°F / -34°C to 50°C
Input Surge Protection	ANSI C62.41 CLASS C / Level High
Built-in Protection	GFI, Open and Short Circuit, Overload, Reverse Polarity

\*When operating at ambient temperature higher than above limit, reduce load by 10% for each 9°F (5°C) ambient rise.

## DIMENSIONS

Length (A)	6.75 in	17.1 cm
Width (B)	2.0 in	5.0 cm
Height (C)	1.58 in	4.0 cm
Mounting (D)	6.50 in	11.4 cm
Mounting (E)	1.38 in	3.5 cm
Weight	18 oz	510 g
Primary Leads	18.0 in	45.7 cm
Output Leads	18.0 in	45.7 cm



# VLP100D-U

Output dimmable to 50% of full brightness via external switch. Universal Voltage Input. Use with Series 100 LEDs.



Scan this QR code for a step-by-step video on how to service your Venbrite LEDs.

## FEATURES

- Conservatively powered at less than 65% of the LED's maximum rated current extends life and reliability
- Exclusive ability to save up to 30% on neon-to-LED retrofits
- Remote mounts up to 300 feet with 18AWG wire with no decrease in LED module brightness
- Safe, low-current design with GFI, open and short circuit, overload and polarity protection
- Single-wire design simplifies factory installation
- Brightest, most energy-efficient LED available
- UL Sign Components Manual (SAM) listed
- UL Classified for rapid retrofit neon-to-LED conversion

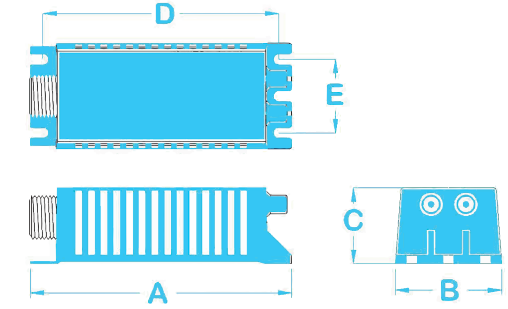
## SPECIFICATIONS

Input Voltage (50/60Hz)	100-277VAC (+/-10%)
Input Current @ Max. Load	0.5A (@120VAC in)
Power Factor	0.95 min.
Output Voltage	0-400 VDC (+/-200VDC max. to Gnd)
Output Current (Line Load Regulated)	125mA (Factory Set)
Output Power	50W max.
Operating Temperature*	-30°F to 122°F / -34°C to 50°C
Input Surge Protection	Varistor Type
Built-in Protection	GFI, Open and Short Circuit, Overload, Reverse Polarity

\*When operating at ambient temperature higher than above limit, reduce load by 10% for each 9°F (5°C) ambient rise.

## DIMENSIONS

Length (A)	4.85 in	12.3 cm
Width (B)	2.0 in	5.0 cm
Height (C)	1.58 in	4.0 cm
Mounting (D)	4.50 in	11.4 cm
Mounting (E)	1.38 in	3.5 cm
Weight	15.0 oz	425 g
Primary Leads	18.0 in	45.7 cm
Output Leads	18.0 in	45.7 cm



**SERIES WIRED, CONSTANT CURRENT  
LED LIGHTING SYSTEM**

For Installation in Channel Letters,  
Raceway & Remote Applications

**SERIES WIRED, CONSTANT CURRENT  
LED LIGHTING SYSTEM**

For Installation in Channel Letters,  
Raceway & Remote Applications

# VLP200-120

Use with Series 200 LEDs.



Scan this QR code for a step-by-step video on how to service your Venbrite LEDs.

## FEATURES

- Conservatively powered at less than 65% of the LED's maximum rated current extends life and reliability
- Exclusive ability to save up to 30% on neon-to-LED retrofits
- Remote mounts up to 300 feet with 18AWG wire with no decrease in LED module brightness
- Safe, low current design with GFI, open and short circuit, overload and polarity protection
- Illuminates brighter than 6,500 mercury argon
- Single-wire design simplifies factory installation
- Brightest, most energy-efficient LED available
- UL Sign Components Manual (SAM) listed
- UL Classified for rapid retrofit neon-to-LED conversion

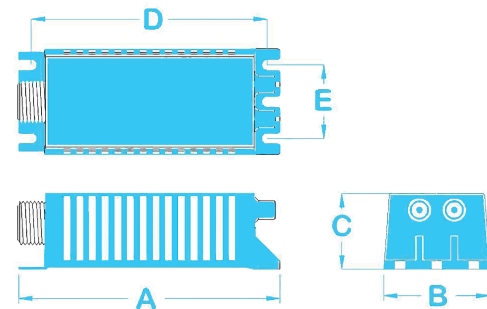
## SPECIFICATIONS

Input Voltage (50/60Hz)	120VAC (+/-10%)
Input Current @ Max. Load	0.65A rms
Power Factor	0.95 min.
Output Voltage	0-250 VDC (+/-125VDC max. to Gnd)
Output Current (Line Load Regulated)	250mA (Factory Set)
Output Power	55W max.
Operating Temperature*	-30°F to 122°F / -34°C to 50°C
Input Surge Protection	Varistor Type
Built-in Protection	GFI, Open and Short Circuit, Overload, Reverse Polarity

\*When operating at ambient temperature higher than above limit, reduce load by 10% for each 9°F (5°C) ambient rise.

## DIMENSIONS

Length (A)	4.85 in	12.3 cm
Width (B)	2.0 in	5.0 cm
Height (C)	1.58 in	4.0 cm
Mounting (D)	4.50 in	11.4 cm
Mounting (E)	1.38 in	3.5 cm
Weight	15.0 oz	425 g
Primary Leads	18.0 in	45.7 cm
Output Leads	18.0 in	45.7 cm



# VLP200-277

Use with all Series 200 LEDs.



Scan this QR code for a step-by-step video on how to service your Venbrite LEDs.

## FEATURES

- Conservatively powered at less than 65% of the LED's maximum rated current extends life and reliability
- Exclusive ability to save up to 30% on neon-to-LED retrofits
- Remote mounts up to 150 feet with 18AWG wire with no loss of light
- Safe, low current design with GFI, open and short circuit, overload and polarity protection
- Illuminates brighter than 6,500 mercury argon
- Single-wire design simplifies factory installation
- Brightest, most energy-efficient LED available
- UL Sign Components Manual (SAM) listed
- UL Classified for rapid retrofit neon-to-LED conversion

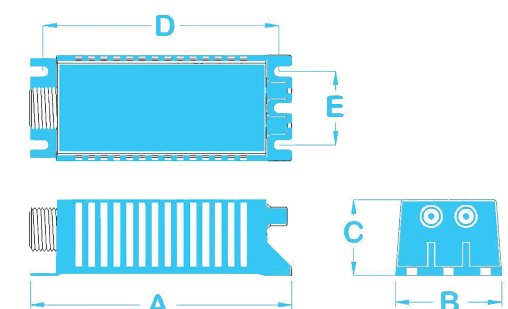
## SPECIFICATIONS

Input Voltage (50/60Hz)	277VAC (+/-10%)
Input Current @ Max. Load	0.28A rms
Power Factor	0.90 min.
Output Voltage	0-250 VDC (+/-125VDC max. to Gnd)
Output Current (Line Load Regulated)	250mA (Factory Set)
Output Power	55W max.
Operating Temperature*	-30°F to 122°F / -34°C to 50°C
Input Surge Protection	Varistor Type
Built-in Protection	GFI, Open and Short Circuit, Overload, Reverse Polarity

\*When operating at ambient temperature higher than above limit, reduce load by 10% for each 9°F (5°C) ambient rise.

## DIMENSIONS

Length (A)	4.85 in	12.3 cm
Width (B)	2.0 in	5.0 cm
Height (C)	1.58 in	4.0 cm
Mounting (D)	4.50 in	11.4 cm
Mounting (E)	1.38 in	3.5 cm
Weight	15.0 oz	425 g
Primary Leads	18.0 in	45.7 cm
Output Leads	18.0 in	45.7 cm



# VLP200D-U

Output dimmable to 50% of full brightness via external switch. Universal Voltage Input. Use with all 200 Series LEDs.



Scan this QR code for a step-by-step video on how to service your Venbrite LEDs.



## FEATURES

- Conservatively powered at less than 65% of the LED's maximum rated current extends life and reliability
- Exclusive ability to save up to 30% on neon-to-LED retrofits
- Remote mounts up to 150 feet with 18AWG wire with no loss of light
- Safe, low current design with GFI, open and short circuit, overload and polarity protection
- Illuminates brighter than 6,500 mercury argon
- Single-wire design simplifies factory installation
- Brightest, most energy-efficient LED available
- UL Sign Components Manual (SAM) listed
- UL Classified for rapid retrofit neon-to-LED conversion
- Dimming information can be found on our website: [www.ventextech.com](http://www.ventextech.com)

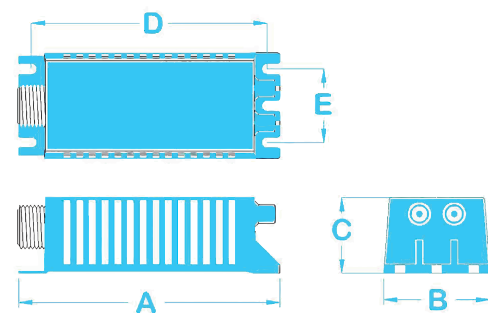
## SPECIFICATIONS

Input Voltage (50/60Hz)	0.6A (@120VAC in)
Power Factor	0.95 min.
Output Voltage	0-250 VDC (+/-125VDC max. to Gnd)
Output Current (Line Load Regulated)	250mA (Factory Set)
Output Power	55W max.
Operating Temperature*	-30°F to 122°F / -34°C to 50°C
Input Surge Protection	Varistor Type
Built-in Protection	GFI, Open and Short Circuit, Overload, Reverse Polarity

\*When operating at ambient temperature higher than above limit, reduce load by 10% for each 9°F (5°C) ambient rise.

## DIMENSIONS

Length (A)	4.85 in	12.3 cm
Width (B)	2.0 in	5.0 cm
Height (C)	1.58 in	4.0 cm
Mounting (D)	4.50 in	11.4 cm
Mounting (E)	1.38 in	3.5 cm
Weight	15.0 oz	425 g
Primary Leads	18.0 in	45.7 cm
Output Leads	18.0 in	45.7 cm



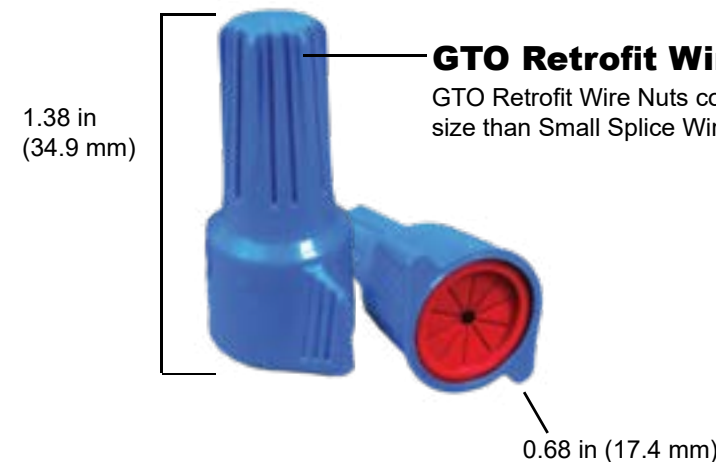
# SMALL WIRE NUTS & GTO RETROFIT WIRE NUTS

## Small Splice Wire Nuts



## GTO Retrofit Wire Nuts

GTO Retrofit Wire Nuts come in larger size than Small Splice Wire Nuts.

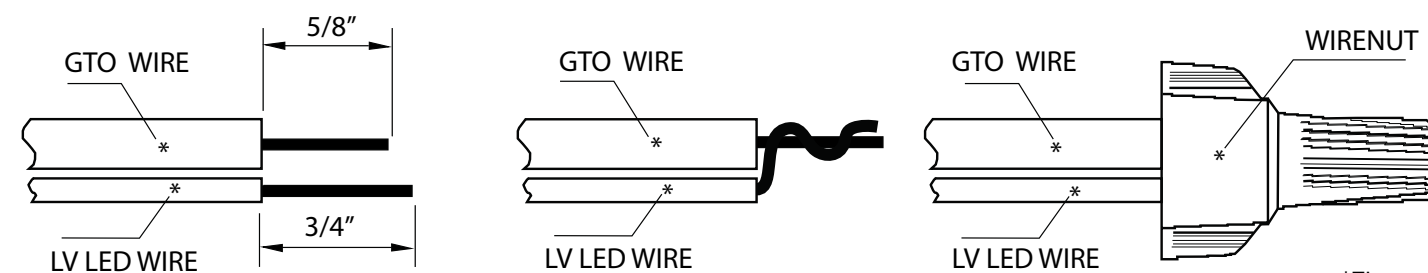


## FEATURES AND BENEFITS

- Easy to apply, pre-filled twist-on wire connectors
- Silicone-based sealant protects against moisture and corrosion
- UL listed for interior and exterior damp/wet locations
- Wide wire range enables use on variety of applications including outdoor power outlets, outdoor signage and exterior area lighting

## SPECIFICATIONS

Part Number	Description	Color	Unit of Measure
70700	VA-WN01-50 Small Splice Wire Nuts	Gray/Orange	Box of 50
70705	VA-WN01-100 Small Splice Wire Nuts	Gray/Orange	Box of 100
70710	VA-WN01-150 Small Splice Wire Nuts	Gray/Orange	Box of 150
70720	VA-WN02 GTO Retrofit Wire Nuts *See Figure 1	Blue/Orange	Box of 150



\*Figure 1

# LOW-VOLTAGE LED WIRE

18AWG and has one conductor

## ABOUT LOW-VOLTAGE WIRE

The output leads of the VLP125SPD-120 LED Driver are composed of Low-Voltage LED Wire. The positive wire exits the driver with the arrows pointing away from the driver and towards the LEDs. This wire is connected to the (+) of the first LED module in the string, whether directly or with additional arrow marked LV Wire, as the driver can be up to 300 feet away from the first LED. The LED string wire, between each module, is also composed of this arrow marked wire.

The last LED module is connected/returned to the negative wire which has its arrows pointing towards the LED Driver. For the VLP100 and VLP200 series Drivers with red and black leads, the Low-Voltage LED wire is attached where the red lead is the positive and arrows face away from the driver and the black lead has the arrows facing toward the driver.

### Low-Voltage

Uniquely marked with polarity arrows to aid in connecting the LED Strings to the LED Drivers. For use with VLP125SPD-120 or any Low-voltage application.



## SPECIFICATIONS

Part Number	Description	Temperature Rating	Voltage Rating	Dry/Damp/Wet Rating	Unit of Measure
70750	VA-W09-100 Low-Voltage LED Wire	221°F / 105°C	600VAC	Dry/Damp	100 foot Spool
70755	VA-W09-500 Low-Voltage LED Wire	221°F / 105°C	600VAC	Dry/Damp	500 foot Spool

# CONDUIT NOT REQUIRED WIRE

## SPECIFICATIONS

Part Number	Description	Temperature Rating	Voltage Rating	Dry/Damp/Wet Rating	Unit of Measure
VA-W09CNR	Conduit Not Required Wire	221°F / 105°C	600VAC	Dry/Damp	500 foot Spool



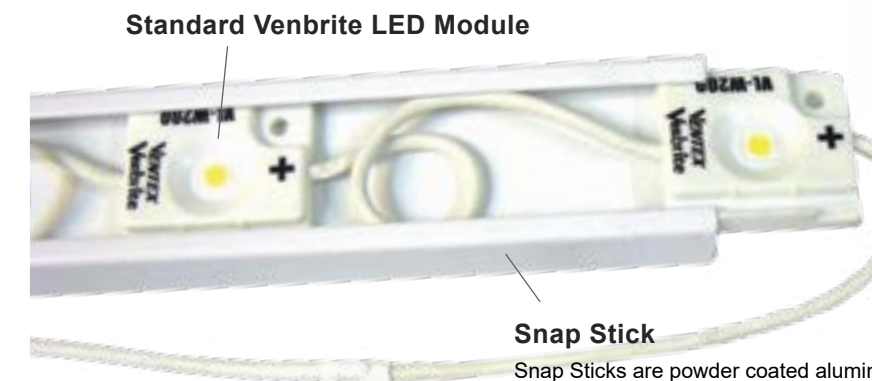
# SNAP CLIPS & SNAP STICK

## FEATURES

- Series Wired, Constant Current LED System
- Fluorescent-to-LED Retrofit
- Neon-to-LED Retrofit, can use existing GTO wire
- Maximize energy rebates
- UL-SAM Listed
- Custom-cut Snap Stick to fit
- Power supplies can be mounted up to 300 feet from the first LED module This exclusive feature allows easier access to the power supplies, eliminating costly swing stages, lifts and cranes for service.

## SPECIFICATIONS

Part Number	Description	Unit of Measure
70800	Snap Clips	Box of 24
70810	Snap Stick	98"



Standard Venbrite LED Module

Snap Stick

Snap Clips

The Snap Stick easily snaps into place into the Snap Clips. Snap Clips can be mounted on the side or back inside the sign enclosure.

Snap Sticks are powder coated aluminum extrusions that can be cut to any length, loaded on either one side or two with standard Venbrite LED modules, and snapped into signs with the easy-to-install Snap Clip.

# TRANSFORMER BOX ENCLOSURE

## WET LOCATION

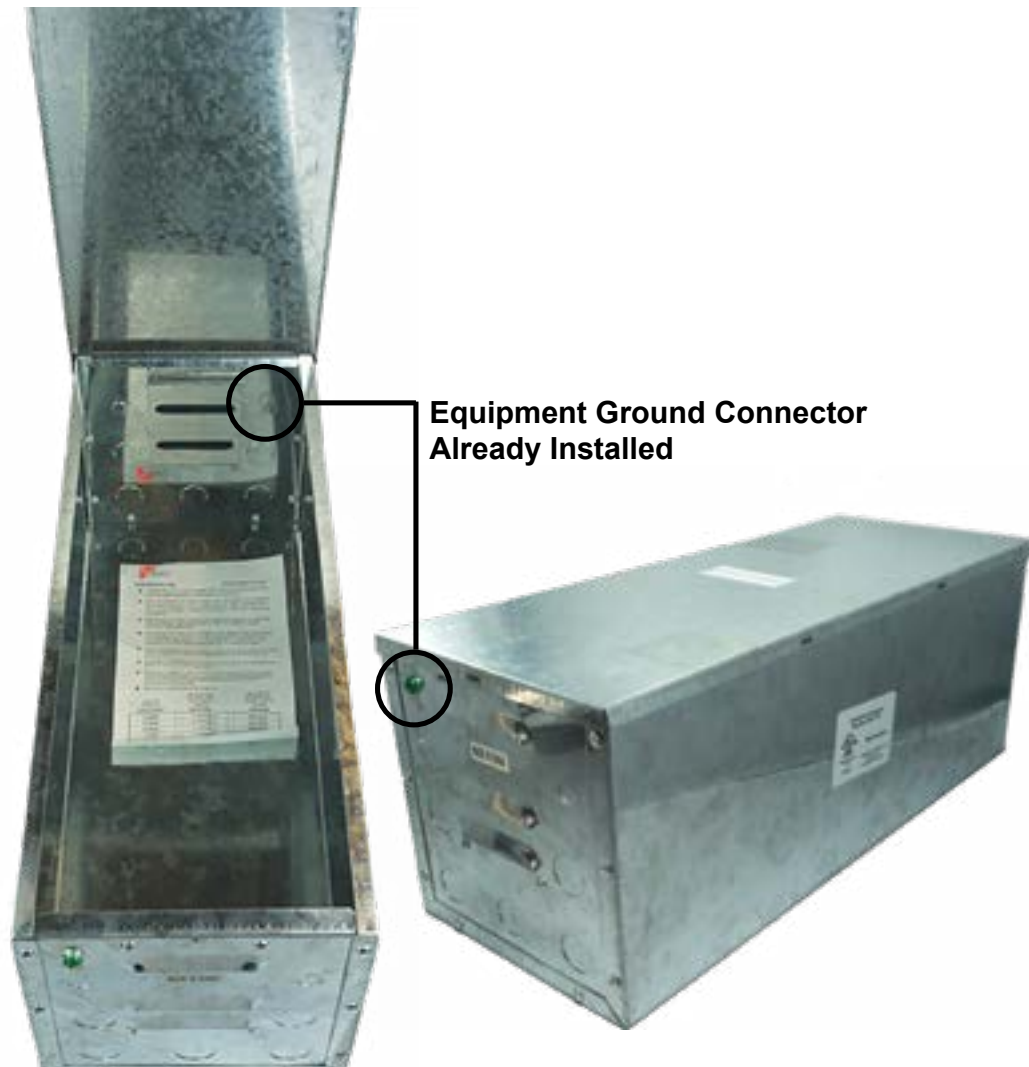
Neon 18TB-TPO Enclosure Box

### FEATURES

- Rated for wet, damp and dry locations
- UL 879 listed-certified by UL to Canadian Standards
- Grounding hardware installed on every box
- Innovative design to maximize ventilation and extend the life of the power supply
- Knock out for toggle switches
- Convenient 1/2" conduit knock-outs
- UL designation can be found on the top of the transformer lid
- Dimensions: 7.0" x 7.0" x 18.0"

### PRODUCT OPTIONS

Part Number	Description
86190	Transformer Box



# LED ENCLOSURE BOX

## WET LOCATION

The Ultimate® LED Box for 1 or 2 Power Supplies

### FEATURES

- Meets or exceeds all UL Requirements (SAM Manual) for power supply spacing to other heat producing components (4" & 2" spacing requirements)
- Simplifies ground requirements for most LED drivers (Equipment Ground Connector already installed)
- Using our patented side wall clips and clamp system makes mounting power supplies easy (accommodates most used LED drivers) on double power supply box.
- Pilot hole for the special use on/off switch in a convenient place with room to fit all switches available
- Features a built-in primary barrier to aid in segregating primary wiring from all secondary leads
- Suitable for use in dry, damp and wet locations
- Double Box may hold two 120W 12VDC power supplies
- Use with our toggle switch on Page 44

### PRODUCT OPTIONS

Part Number	Description	Dimensions
VLP-QB-SINGLE	Single Box	11.1 x 5.2 x 3.7
VLP-QB-DOUBLE	Double Box	11.1 x 8.6 x 4.7



Scan this QR code to see how our LED Enclosure Boxes meet or exceed all UL requirements, including having a built-in barrier to separate primary wiring from secondary leads.



# TOGGLE SWITCH & ACCESSORIES

UL Package 20A Toggle Switch with Molded Silicone Rubber Boot

## FEATURES

- Hand-soldered wire connection (not crimped) for best mechanical and electronic connection
- The only switch rated for 20 amps up to 277 volts
- Nearly 10" of lead wire
- Extremely sturdy hardware, body and boot
- UL Package Toggle Switch/Boot approved for exterior use
- Preassembled with on/off face plate
- UL/cUL Recognized for dry, damp, and wet locations when used with our included silicone boot

## TOGGLE SWITCH DIMENSIONS

Length	1.25 in	3.2 cm
Width	0.625 in	1.6 cm
Height	1.062 in	2.7 cm



Scan this QR code to see a video on how to install the locking plate.

## TOGGLE SWITCH & ACCESSORIES SPECIFICATIONS

Part Number	Description	Unit of Measure
84605	Toggle Switch Silicone Boot- Black (UL/cUL Recognized E129809)	Bag of 25
84610	Toggle Switch Silicone Boot- Gray (UL/cUL Recognized E129809)	Bag of 25
84613	Toggle Switch Large on/off Safety Locking Plate*	Bag of 25
84660	Toggle Switch with Boot- 20A 120-277VAC with Gray Silicone Boot (UL/cUL Recognized E231907/E231907)	Box of 25
84675	Toggle Switch with Boot- 20A 120-277VAC with Black Silicone Boot (UL/cUL Recognized E231907/E231907)	Box of 25

\*The Toggle Switch reduces accidental shut-offs, and is keyed to switch barrel to prevent rotation.



Turn toggle switch "ON" or "OFF" as you require

Corrosion-resistant plated steel

# GTO SILICONE INTEGRAL SLEEVE WIRE

High performance silicone insulation material proven tough and versatile. Has superior resistance to fire, flame, ozone, UV and corona.

## FEATURES

- GTO-10 White now packaged in smaller reels, durable for shipping
- Rated for 10,000 or 15,000 VAC, 150°C
- Conductor is tinned, copper 14 AWG, stranded, electrolytic tough pitch (ETP) (GTO-10 18AWG)
- Conforms to UL Standard 814 for gas tube sign and ignition cable
- Meets the integral sleeving requirement of UL Standard 814
- Classified and meets UYTA requirements of UL Standards 879, 48

## SPECIFICATIONS

Part Number	Description	Unit of Measure
85373	GTO-15 Black (7.9mm / 0.311") UL/cUL Listed E226224	Box of 250'
85373-250B	GTO-10 Black (6.4mm / 0.252") UL/cUL Listed E226224	Box of 250'
85373-250W	GTO-10 White (6.4mm / 0.252") UL/cUL Listed E226224	Box of 250'
85335	GTO-10 Black (6.4mm / 0.252") UL/cUL Listed E226224	Box of 500'
85336	GTO-10 Black (6.4mm / 0.252") UL/cUL Listed E226224	Box of 1500'



# SILICONE NEON BOOTS & CAPS

Easy Cap™ and Easy Boot™ Silicone New Electrode Enclosures

## FEATURES

- Rated for 15,000 Volts, 7,500 Volts to the ground, maximum current 60mA
- UL Recognized (E129809)
- Classified for UL 879 Edition (E247018) as an enclosure system for dry and damp locations
- Used by the World's largest POP Manufacturers



## EASY CAP™ AND EASY BOOT™ FOR GTO-15 AND GTO-10 (14-18 AWG) 7 SERIES FOR .252" OD GTO

Part Number	Model/Description	Quantity Per Bag	Quantity Per Carton
88700	10mm ECDB 7-10 Black	100	500
88705	10mm ECS 7-10 Black	100	500
88710	12mm ECDB 7-12 Black	100	500
88715	12mm ECS 7-12 Black	100	500
88720	13mm ECDB 7-13 Black	100	500
88725	13mm ECS 7-13 Black	100	500
88730	15mm ECDB 7-15 Black	100	500
88735	15mm ECS 7-15 Black	100	500
88800	10mm ECDB 7-10 White	100	500
88805	10mm ECS 7-10 White	100	500
88810	12mm ECDB 7-12 White	100	500
88815	12mm ECS 7-12 White	100	500
88820	13mm ECDB 7-13 White	100	500
88825	13mm ECS 7-13 White	100	500
88830	15mm ECDB 7-15 White	100	500
88835	15mm ECS 7-15 White	100	500

## EASY CAP™ AND EASY BOOT™ FOR GTO-15 (14 AWG) 8 SERIES FOR .311" OD GTO

Part Number	Model/Description	Quantity Per Bag	Quantity Per Carton
88770	13mm ECDB 8-13 Black	100	500
88775	13mm ECS 8-13 Black	100	500
88780	15mm ECDB 8-15 Black	100	500
88785	15mm ECS 8-15 Black	100	500
88870	13mm ECDB 8-13 White	100	500
88875	13mm ECS 8-13 White	100	500
88880	15mm ECDB 8-15 White	100	500
88885	15mm ECS 8-15 White	100	500

For UL UTYA information see [www.ventextech.com/products/silicone-neon-boots-caps](http://www.ventextech.com/products/silicone-neon-boots-caps)

# FEDERAL PORCELAIN PANEL BUSHINGS



## FEATURES

- UL Listed E129809 (add number)
- Fits standard 1/2" conduit knockouts

## SPECIFICATIONS

Part Number	Description	Unit of Measure
84290	1043-A Porcelain Bushing with Lock Ring (White)	Box of 100
84295	1043-A Porcelain Bushing with Lock Ring (Black)	Box of 100

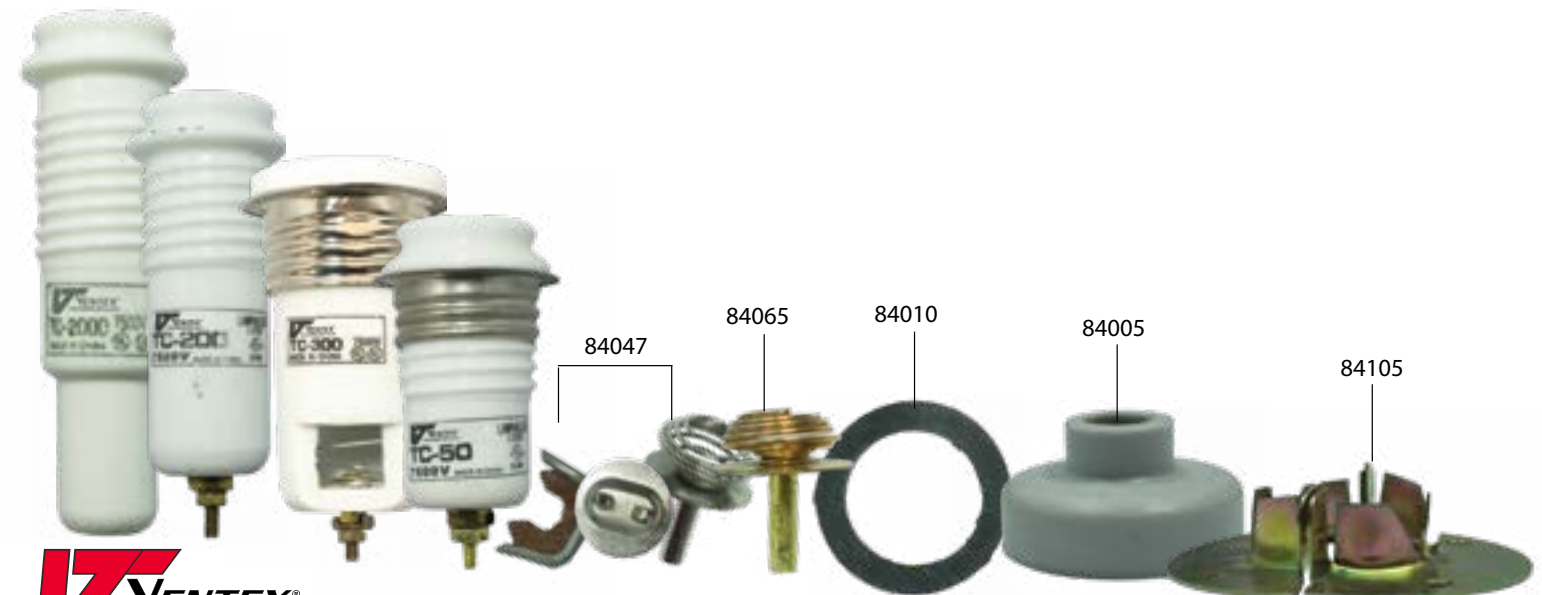
# NEON PORCELAIN HOUSINGS

## SPECIFICATIONS

Part Number	Description	Unit of Measure
84005	Kit No. 6287 Protective Silicone Rubber Cap (Light Gray)	Box of 100
84010	TC-2000 Washer (Black)	Bag of 25
84047	TC-2000 Spring Assembly (Complete)	Bag of 25
84065	TC-2000 Spring Assembly Only	Bag of 25
84105	TC-2000 Clamp	Box of 50
84137	TC-50 White Porcelain* (Complete) 2.15" (L) x 0.875" (ID) x 1.25" (OD)	Box of 50
84205	TC-100 White Porcelain* (Complete) (UL/cUL Listed E192982)	Box of 50
84300	TC-200 White Porcelain* (Complete) 3.5" (L) x 0.875" (ID) x 1.25" (OD)	Box of 50
84305	TC-300 White Porcelain* (Complete) 3.375" (L) x 1.125" (ID) x 1.625" (OD)	Box of 50
84310	TC-2000 Porcelain with Spring Assembly	Box of 50

\*UL/cUL Listed E192982 (Add number)

NOTE: TC-200 includes locking ring as shown in photo of TC-50 and TC-300.



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46  
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# CHANNEL BOND POLYCARBONATE ADHESIVE™

Proprietary Product. Use with our #49 Hypo Glue Applicator™

## SPECIFICATIONS

Quart Product Number	86945
Gallon Product Number	86947
Working Time	1-2 minutes
Fixture Time	5-15 minutes
80% Strength	4 hours
Applicator #	#49
Shelf Life Unopened	2-12 months
Shelf Life Opened (with top)	2-20 weeks*

\*Avoid storing at high room temperatures. Not all components in this adhesive evaporate at the same rate - if the product will not squirt out of the #49 applicator, it is not good anymore; do not use it. It is recommended to run a test batch if there are any doubts about its storage and condition.

Only ships via Pallet/LTL. Use #49 Hypo Glue Applicator with Channel Bond Adhesive™.

## FEATURES

- For use with polycarbonate and sign trim (CAB) in channel letters
- Bonds polycarbonate to polycarbonate, acrylic to polycarbonate, sign trim (CAB) to polycarbonate, modified acrylic (DR) to polycarbonate and modified acrylic (DR) to acrylic
- Quick setting
- High strength
- One part system
- Available in quarts and gallons

## APPLICATION INSTRUCTIONS FOR CHANNEL BOND™ QUICK SETTING HIGH STRENGTH ADHESIVE

### Before Use:

- Channel Bond is a One-Part Adhesive System. Use a #49 Hypo Applicator (pink tip) bottle to apply.
- Store in the original container when not in use. Keep lid tight. Store where the temperature is between 32°F to 80°F.
- Read the health and safety information on the container before using.
- Be sure surfaces to be bonded are clean and smooth.
- The shelf life of this product when stored properly is 2-12 months.
- Try a small test on extra/scrap material before going into production.

### HOW TO APPLY ON THE FOLLOWING MATERIALS:

#### Sign Trim (Cellulose Acetate Butyrate) to Polycarbonate

1. Fix Sign Trim around polycarbonate per your normal retention fixture method. Apply a uniform bead between the Sign Trim and polycarbonate by flexing the Sign Trim to allow Channel Bond to flow down in-between materials. Bond should be strong after 10-15 minutes.
2. Apply a second uniform bead around the edge between the Sign Trim and polycarbonate material.
3. After 5-15 minutes remove material from the retention fixture and add a third thin uniform bead around the front between the Sign Trim arrow profile and polycarbonate face (provided that there is no vinyl applied on the first surface.)

#### Polycarbonate to Polycarbonate

Apply a uniform bead to the bonding area. Hold parts together securely while adhesive sets up. Bond should be strong after 15-60 minutes depending on the shape and size (area) to be bonded. Maximum strength after four hours.

#### Acrylic to Polycarbonate

Apply a uniform bead to the bonding area. Hold parts together securely while adhesive sets up. Bond should be strong after 15-60 minutes depending on the shape and size (area) to be bonded.

#### Sign Trim (Cellulose Acetate Butyrate) to Acrylic

1. Fix Sign Trim around acrylic per your normal retention fixture method. Apply a uniform bead of Resin Bond between the Sign Trim and acrylic.
2. Apply a second uniform bead with Channel Bond around the edge between the Sign Trim and acrylic material. After 5-15 minutes remove material from the retention fixture.
3. Add a third thin uniform bead around the front between the Sign Trim narrow profile and the acrylic face when the material (width) exceeds 3 feet.

For Modified Acrylic (DR) to Polycarbonate see Acrylic to Polycarbonate.

For Modified Acrylic (DR) to Acrylic see Acrylic to Polycarbonate.



UL: E516868



Scan this QR code to see how to properly use our Channel Bond Adhesive to bond polycarbonate to sign trim.



# RESIN BOND ADHESIVE™

Use with our #25 Hypo Glue Applicator™ for Acrylic Plastic and Sign Trim in Channel Letters

## SPECIFICATIONS

Quart Product Number	86900
Gallon Product Number	86905
Working Time	1-2 minutes
Fixture Time	2-10 minutes
80% Strength	4 hours
Applicator #	#25
Shelf Life Unopened	Indefinite
Shelf Life Opened (with top)	2-indefinite weeks*

\*Resin bond is a single component adhesive. It will evaporate but not change its chemical makeup or effectiveness.

Only ships via Pallet/LTL. Use #25 Hypo Glue Applicator with Resin Bond. Use on Extruded Acrylic Track. For Modified Acrylic (DR) or Polycarbonate try Channel Bond Adhesive™.

## FEATURES

- For use with acrylic plastic and sign trim (CAB) in channel letters
- Single-component (Methylene Chloride) based cement
- Thin and fast setting creating a strong bond
- Cost effective
- Clear in color
- Available in gallons and quarts
- Specifically designed to join acrylic plastic to acrylic plastic, acrylic plastic to sign trim (cellulose acetate butyrate), and changeable letter track to acrylic plastic

### BEFORE USE:

1. Read the health and safety information on the container before using.
2. Request a Safety Data Sheet and keep on file.
3. Be sure surfaces to be bonded are clean and smooth.
4. Always try a small test on scrap material before going into production.



UL: E516868



# HYPO GLUE APPLICATORS™

## SPECIFICATIONS

Part Number	Description	Unit of Measure	Use With
90080	Hypo Glue Applicator #25 (Green Tip-Small)	Each	Resin Bond Adhesive
90085	Hypo Glue Applicator #49 (Pink Tip-Large)	Each	Channel Bond Adhesive

### HYPO APPLICATOR #25

- Precision applicator is a 2 oz. Boston Round bottle with an 21-gauge stainless steel blunt needle
- Uses include: Resin Bond Adhesive™, acrylic paint for artists, precision painting on RC models and other hobbies
- Precision applicators and dispensers for a controlled amount of liquid

### HYPO APPLICATOR #49

- This dispenser is a 2 oz. Boston Round bottle with an 18-gauge stainless steel blunt needle
- Primarily for Channel Bond™ Adhesive
- Precision applicators and dispensers for a controlled amount of liquid



# UL/CUL ABSKO SIGN PRODUCTS

## SPECIFICATIONS

Part Number	Description	Unit of Measure
84159	GG-Cup Double (Complete) (UL/cUL Listed E129809)	Box of 50
84260	C.P.A. Silicone Grommet	Bag of 25
84270	C.P.A. Complete (UL/cUL Recognized Sign Accessory 7J93)	Box of 25
84280	Casino Bushing (UL/cUL Recognized Sign Accessory 7J93)	Box of 25

C.P.A. - Conduit Plug Assembly



# FLUORESCENT & NEON TUBE TESTER

## FEATURES

- Safe and easy to operate
- Tests neon (Cold Cathode) tubes
- Tests fluorescent (Hot Cathode) lamps
- Tests mercury, metal halide and sodium vapor lamps
- Telescopic Aerial for extended reach
- Continuity Test
- Includes test leads
- Battery powered
- Small, compact and rugged
- Positive action rocker switch
- Easy battery changing — no screws
- High frequency output

## SPECIFICATIONS

Part Number	Description	Unit of Measure
84546	Tube Tester without case	Each
84545	Tube Tester with carrying case	Each

Includes Duracell or Energizer Battery.

## TO TEST NEON TUBES:

- Ensure tester has a charged battery
- Switch off primary power supply
- Touch disc or aerial firmly on the side of the tube or electrode wires, a length of tubing will glow if the tubing is good

## TO TEST FLUORESCENT TUBES:

### TO TEST GAS:

- Ensure tester has a charged battery
- Touch either metal disc or aerial firmly onto side of tube and push the rocker switch (a section of tube will glow if tubing is good)
- If the tester is moved along the length of the tube, a failing or bad tube will have little or no illumination at the ends

### TO TEST LAMP FILAMENT:

- Turn off primary power to the sign
- Remove the tube
- Connect the test leads to the tester
- Touch both tube pins at the same time with the test leads
- A good heater filament circuit will make the red LED on the tester illuminate

## 1. TESTS:

- Neon Tubes
- Fluorescent Lamps
- Mercury Vapor
- Metal Halide Lamps
- Low-and-High Pressure Sodium Vapor Lamps

## 2. CONTINUITY TEST

- Circuit indicator includes an LED Lamp

## 3. INCLUDES:

- Telescopic Aerial
- Test Leads
- 9VDC Battery

## 4. COMPACT, RUGGED HOUSING CONSTRUCTION FOR IN FIELD USE

## 5. OPTIONAL CARRY CASE TO STORE TESTER AND LEADS AVAILABLE

CAUTION: DO NOT touch disc or aerial when in use. DO NOT use on neon electrodes with power on. DO NOT use on fluorescent cathodes with power on. DO NOT use as a permanent neon power source.



# SHRINK CONNECTORS

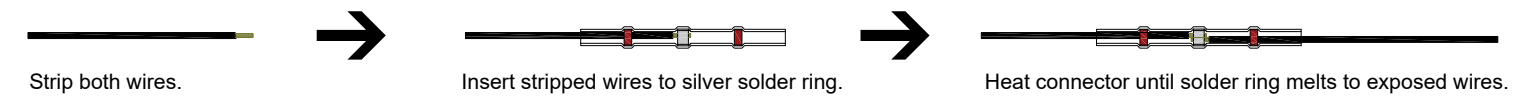


## SPECIFICATIONS

Product	Color	Packaging	Part Number
26-24 AWG	White	100 per bag	X-C-HSC-2624
22-18 AWG	Red	100 per bag	X-C-HSC-2218
16-14 AWG	Blue	100 per bag	X-C-HSC-1614
12-10 AWG	Yellow	100 per bag	X-C-HSC-1210

## FEATURES

- Creates a permanent electrical connection
- Uses heat gun to make a waterproof connection
- Eliminates the need for soldering
- Won't come loose like wire nuts
- Solder Ring Melting Point: 320° F



# WIRE



## SPECIFICATIONS

Product	Color	Packaging	Ordering Part Number
18AWG Single-Stranded	White	250 ft. spool	X-C-W1C18W
18AWG Single-Stranded	White & Black	250 ft. spool	X-C-W1C18WB
12 AWG Single-Stranded	Red	250 ft. spool	X-C-W1C12R
12 AWG Single-Stranded	Black	250 ft. spool	X-C-W1C12B
18AWG Stranded (3) Plenum	White Jacket	250 ft. spool	X-C-W3C18W-P
18AWG Stranded (2) Plenum	White Jacket	250 ft. spool	X-C-W2C18W-P
12 AWG Braided (3 Wire Braided)	Black, White, Green	250 ft. spool	X-C-W3C12-B

# NEON ARTIST CONTRIBUTIONS

Cover Photo Pictured: Shawna Peterson @petersonneon

Page 2-3 Ignite Sign Museum [ignitemuseum.com](http://ignitemuseum.com)

Page 4-5 Joseph Gerhart @joseph.gerhart

Page 6-7 Teresa Escobar @terebomba

Page 8-9 Linda Sue Price @lindasuepriceneonartist

Page 10-17 Ion Art – Surreal Sea @ion\_art\_atx / @surreal\_ion\_art

Page 18-19 Neon at Brooklyn Glass, Brooklyn NY

Page 20-27 Ion Art – Surreal Sea @ion\_art\_atx / @surreal\_ion\_art

Page 28-29 Stephanie Sara Lifshutz @stephanie\_sara\_lif

Page 55 Deb Slatkin [neonworksonline.com](http://neonworksonline.com)

Back Page Pictured: Bren Koeppen and Morgan Crook



# NEON REPLACEMENT PARTS

## WHAT WE OFFER

### Fluids and Greases

Diffusion Pump Fluid  
Mechanical Pump Fluid  
Stopcock Grease

### Gauges

IR Temperature Meters  
Torr Gauges (0-40)  
Vacuum (micron) Gauges

### Borosilicate Manifolds

Complete Neon Manifolds  
Borosilicate Manifold Parts/Adapters  
O-Rings

Service/Repair

### Fires

5 Point Cross Fires  
Cannon Fires  
Ribbon Burners  
Hand and Tipping Torches  
Valves and Venturi Mixers

### Bombarders and Chokes

10KV Bombarders  
Slide Chokes  
Super Chokes

VISIT [WWW.VENTEXTECH.COM/NEON-SERVICE-PARTS](http://WWW.VENTEXTECH.COM/NEON-SERVICE-PARTS) TO SEE MORE REPLACEMENT PARTS



## FLUIDS, GREASES AND OILS

**95992** Inland 19 direct drive mechanical pump oil

**96014** Apiezon "M" grease. Non-silicone base ultra high vacuum O-ring grease. Small vial.

**96044** U-gauge oil. Dibutyl sebacate. 20cc

**95991** Invol 705. Silicone based diffusion pump fluid. 50cc

## GAUGES AND METERS

**0-40 Torr gauge.** Mechanical capsule vacuum gauge. KF-16 or compression fitting available

**IR temp meter.** Non-contact, infra-red, ultra-narrow angle beam sensor; grounded 120V power; digital display

**0-1000 micron vacuum gauge.** Televac B2A; grounded 120V power; KF or compression attachment available

## CLAMPS, O-RINGS AND CAPS

**96015** Pertinax clamp for KF-16

**96009** KF-16 centering o-ring

**96018** "quad" o-ring for Televac compression fitting

**95810** 0-4 stopcock o-ring set

**96017** 0-12 stopcock o-ring set

**96012** o-ring #15 threads

**96047** o-ring #7 threads

**96013** o-ring #18 threads

**96428** #15 cap (compression)

**96047** #7 cap (compression)

**96427** #18 cap (compression)

**96429** #9 cap (compression)



## ROBBINS VALVES

**Brass body;** rebuilt and tested

**Stainless steel body;** rebuilt and tested

*Rebuilding and testing services available*

## BOROSILICATE GLASS PARTS

**96469** 0-12 main stopcock complete – glass and Teflon plug. New thread pattern. Available in KF-16 or compression attachment.

**96442** Special filling unit arm. 28/15 ball joint; #7 compression fitting for tubulation attachment

**46404** Inline pump connector. 15mm glass both ends with vent valve.

## MANIFOLDS

Most Transco manifold bodies and parts are available new

Complete manifolds available

Borosilicate manifold repair

Borosilicate adapters in KF and multiple compression sizes

For technical assistance, please call Morgan Crook at 803.413.4068 or email [morgan@ventextech.com](mailto:morgan@ventextech.com)

# SERVICE INVENTORY

## Magnetic Outdoor Transformers

Ventex offers a range of continuous Export Transformers. These model transformers are no longer produced. Supply is limited to current available stock. Contact us today for details on available transformers.

### SPECIFICATIONS

Part Number	Description
61500	NT1512N3 Export Model (15,000V, 120V, 30mA)

### UL/cUL SELF-ENCLOSED TYPE 4 TRANSFORMERS



### UL/cUL OUTDOOR TYPE 2 TRANSFORMERS



### UL/cUL PBKM HOUSING TRANSFORMERS



### UL/cUL MINI PBKM HOUSING TRANSFORMERS



# LUMINOUS TUBE FOOTAGE CHART

Ventex Model Number	Type	Secondary Current	Neon Footage			Mercury Footage		
			10mm	12mm	15mm	10mm	12mm	15mm
<b>1,500V Secondary Voltage</b>								
VT1510-12	Indoor	15mA*	3 ft	4 ft	5 ft	4 ft	5 ft	6 ft
<b>3,000V Secondary Voltage</b>								
VT3015S-12	Indoor	15mA*	8 ft	10 ft	11 ft	10 ft	12 ft	13 ft
<b>4,000V Secondary Voltage</b>								
VT4015-12	Indoor	15mA*	8 ft	10 ft	11 ft	10 ft	12 ft	13 ft
VT4015A-12F	Indoor	15mA*	8 ft	10 ft	11 ft	10 ft	12 ft	13 ft
VT4030-120	Indoor	30mA	8 ft	10 ft	15 ft	10 ft	12 ft	16 ft
VT4030CL-120/277	Outdoor	30mA	8 ft	10 ft	15 ft	10 ft	12 ft	16 ft
VT4060CL-120/240/277	Outdoor	60mA	8 ft	10 ft	15 ft	10 ft	12 ft	16 ft
<b>5,500V Secondary Voltage</b>								
VT5520-120F & VT5520-120F	Indoor	20mA	11 ft	13 ft	18 ft	13 ft	16 ft	21 ft
<b>6,000V Secondary Voltage</b>								
VT6030-120/240	Indoor	30mA	13 ft	16 ft	22 ft	16 ft	20 ft	26 ft
VT6030CL-120/240	Outdoor	30mA	13 ft	16 ft	22 ft	16 ft	20 ft	26 ft
VT6060CL-120	Outdoor	60mA	13 ft	16 ft	22 ft	16 ft	20 ft	26 ft
<b>9,000V Secondary Voltage</b>								
VT9030-120	Indoor	30mA	21 ft	26 ft	34 ft	24 ft	31 ft	40 ft
VT9030D-120	Indoor	30mA	21 ft	26 ft	34 ft	24 ft	31 ft	40 ft
VT9030CL-120/240/277	Outdoor	30mA	21 ft	26 ft	34 ft	25 ft	31 ft	40 ft
VT9060CL-120/277	Outdoor	60mA	21 ft	26 ft	34 ft	25 ft	31 ft	40 ft
<b>12,000V Secondary Voltage</b>								
VT12030-120/240	Indoor	30mA	28 ft	35 ft	45 ft	33 ft	42 ft	54 ft
VT12030D-120	Indoor	30mA	28 ft	35 ft	45 ft	33 ft	42 ft	54 ft
VT12030CL-120	Outdoor	30mA	28 ft	35 ft	45 ft	33 ft	42 ft	54 ft
<b>Recommended Gas Pressure mm/Hg</b>			13	11	9	13	11	9

#### NOTES:

- The above footage chart is intended to be a guideline. Actual driving distances may vary due to application.
- VT Series electronic supplies have overload shut-down protection. If activated, unit will flash (trip-off) to protect itself and must be turned off/on to reset protection.
- Ventex electronic power supplies are fully self-adjusting from minimum to maximum voltage protection.
- Do not load with mA meter. Ventex electronic power supplies will self-regulate to maintain 30 to 60mA regardless of load.
- Deduct driving distances by one foot and two feet for each pair of electrodes.
- Neon Power Supply loading must be de-rated by 10% for every 9°F (5°C) above maximum running ambient or below minimum running ambient.
- "Triple-Shot" automatically turns on up to 3 times in about 4 seconds.

**WARRANTY:** For detailed warranty information, visit [www.ventextech.com](http://www.ventextech.com).

We love seeing your neon work using our products!  
Tag us on your social media @ventextechnology





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