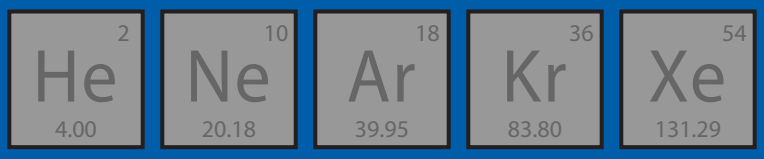
- Neon Tubing
- Electrodes
- Neon Power Supplies
- Equipment
- Accessories

TecnoLux

ESSENTIAL ELEMENTS FOR NEON



2006

TecnoLux, 103 14th Street, Brooklyn, NY 11215, U.S.A. Telephone: 800.333.6366 Fax: 718.369.2845

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Items and prices subject to change without notice. TecnoLux, Inc. reserves the right to correct clerical and/or typographical errors in any quotation, acknowledgement, invoice and/or price list. TecnoLux, Inc. makes no representation or warranties regarding prices charged by distributors of TecnoLux products.

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Lead-Free UltraClean™ Colors

59" Ultrasonically cleaned and sealed coated glass sign tubing.

TecnoLux cleans each tube using a technologically advanced ultrasonic bath. High frequency sound vibrations are applied to each tube as it passes through a demineralized water bath. TecnoLux's ultrasonic cleaning, rinsing and filtered drying operations not only remove contaminants; they are also critical in promoting the uniform adhesion of the phosphor coatings over inner tube surfaces. Our uniform phosphor applications prevent streaking and blemishes in the finished sign product.

Only the finest compounds are used to produce TecnoLux phosphors. Our coatings are specially blended to yield maximum phosphor activation (converting invisible ultra-violet light into high lumen-output visible light). After the phosphors are applied, "baked out" and the glass is annealed, each coated tube is sealed with a hardened plastic contoured around the end of the tube.

TecnoLux glass sign tubing is 59" long - nearly a foot longer than older generation tubing. This means fewer splices in the finished product creating more beautiful signage and lower production and material costs.



All colors priced per pound.		
Blue*	#8	Soft, powder blue
Super Turquoise	#9	Intense, rich turquoise
Green*	#10	Traditional neon green
Pink*	#11	Beige fleshtone
Super Blue*	#12	Intense blue with super rich color
Coral Rose	#13	Long-life tropical pink
Magenta	#14	Unique purple-red
Violet	#15	Light purple
Pineapple	#23	Luscious, fruity yellow
Sky Blue	#24	Clean, tropical sea color
Clear Gold	#27	Bright, golden yellow
Salmon Rose	#29	Rich, pink orange
Traffic Light Green	#39	Bright green with hint of blue
Special Red	#99	Optimized for red plexiglass
Stay Bright Green	#110	Green w/Extended Phosphor Life
Ultra Blue	#122	Vibrant, deep blue
Ocean Blue	#212	Deep Rich Blue
Raspberry	#214	Intense Magenta
Deep Violet	#215	Dark Purple
Powder Red	#218	Coated clear glass similar to ruby red when illuminated. Recommended for indirect lighting only. Will discolor on bends.
Traffic Light Yellow	#527	Warm, amber yellow
French Orange	#544	Rich, mercury orange
Apple Green	#577	Crisp, brilliant green
L-Red	#133	Red for Quadrachrome color blending system
L-Green	#93	Green for Quadrachrome color blending system
L-Yellow	#233	Yellow for Quadrachrome color blending system. Recommended for indirect lighting only. Will discolor on bends.

*Lead-Free UltraClean™ colors 6mm - 18mm packaged 11 lbs. per box, except * packaged 25 lbs. per box.*
20mm and 25mm priced per tube and available in 98" and 118" lengths. 18mm available in 118" lengths.
See page 20 for weights and packaging information.
3 meter lengths also available in 12mm & 15mm lead glass. Call for pricing and availability.

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59" Machine-drawn colored glass sign tubing.

6mm-22mm tubes packaged 11 lbs. per box @ 59" per tube.
See page 20 for weights and packaging information.

All ColorTubes™ priced per pound.		
Ruby Red	#118	Ruby Red Neon
	#18	Ruby Red Argon
	#118U	Uncoated
	#183	Saturated red for Quadrachrome color blending system
Cobalt Blue	#16	Coated
	#16U	Uncoated
Purple	#22	Coated
Emerald Green	#35	Coated
	#35U	Uncoated
	#393	Saturated green for Quadrachrome color blending system
Lite Green	#20	Coated
	#20U	Uncoated
Aquamarine	#38	Coated
	#38U	Uncoated
Novial	#17	Novial Gold
	#232	Bright Lemon
	#317	Sunflower
	#717	Saffron
	#117	Gold (Target)
	#32	Lemon Yellow
	#17U	Uncoated
	#332	Saturated yellow for Quadrachrome color blending system
Citrus Orange	#26	Coated
	#26U	Uncoated
Black Light	#19	Coated
		(1.25mm standard wall thickness)
	#19U	Uncoated
		(1.25mm standard wall thickness)

ColorTubes™ Available 6mm To 22mm!

22mm, 98" ColorTubes also available, please call for more information.
3 meter lengths also available in 15mm & 18mm. Call for pricing and availability.
Please call to confirm availability of all 22mm ColorTubes™

Questions, comments?
Email: info@tecnolux.com

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Lead-Free *UltraClean*™ Whites

59" Ultrasonically cleaned and sealed coated glass sign tubing.

All Whites Available 6mm To 25mm!

Standard Whites		
Warm White	#44S	Standard warm white
3500° Spectra	#3S	Medium warm white
4500° Spectra	#2S	Standard cool white
Natural White*	#6	Special blend to highlight red objects
5500° Spectra*	#5S	Cool white blend
6500° Spectra	#1S	High output, standard daylight
7500° Spectra	#108S	"Blanc Jour," cool daylight

*Standard Whites 6mm - 18mm packaged 25 lbs. per box, except * packaged 11 lbs. per box.*
20mm and 25mm priced per tube and available in 98" and 118" lengths. 18mm available in 118" lengths.
See page 20 for weights and packaging information.
3 meter lengths also available in 15mm lead glass. Call for pricing and availability.

Triphosphor Whites		
Incandescent (2400°)	#31	Warm, lustrous white
Soft White (2500°)	#311	Triphosphor soft white
Warm tone (2800°)	#4	Triphosphor warmtone
3000° Triphosphor	#7	Triphosphor warm white
3500° Triphosphor	#50	Triphosphor medium warm white
4500° Triphosphor	#25	Triphosphor cooltone
High Performance Channel Letter Whites		
6500° Triphosphor*	#66	Triphosphor white for high light output and color rendering applications (ideal for channel letters)
8300° Triphosphor*	#83	Triphosphor white for high light output and color rendering applications (ideal for channel letters)

*Triphosphor Whites 6mm - 18mm packaged 11 lbs. per box, except * packaged 25 lbs. per box.*
20mm and 25mm priced per tube and available in 98" and 118" lengths. 18mm available in 118" lengths.
See page 20 for weights and packaging information.
3 meter lengths also available in 15mm lead glass. Call for pricing and availability.

Lead-Free Clear Sign Tubing

Because of the absence of lead, lead-free glass does not blacken and is noticeably lighter than lead glass. In a standard 50 lb. box, this translates to an average of 15% to 20% more feet per box than lead glass. For helpful tips and information on TecnoLux lead-free tubing, call for a free bulletin, ***Working and Processing Characteristics of Lead-Free Neon Tubing***.

59" Clear Glass Tubing - 50 lb. Boxes, priced per pound.

Available in diameters 5mm - 20mm.

Pre-Cut Tubulation Glass - 28 lb. boxes, 5.75mm diameter.

Pre-cut tubulation glass offers the following advantages:

- Fire-polished ends
- 1.3mm wall thickness
- Perfect fit for manifold pumping arm compression fittings
- 2357 pieces per 28 lb. box
- 4.33" lengths

59" Lead-Free Clear Tubing Weights and Packaging

Diameter	Tube Wt. (lbs.)	Feet per lb.	Feet per Box	Tubes per Box
5mm	.108	45	2,286	465
6mm	.136	36	1,799	366
7mm	.196	25	1,248	254
8mm	.237	20	1,032	210
9mm	.272	18	899	183
10mm	.308	16	796	162
11mm	.343	14	712	145
12mm	.379	13	644	131
13mm	.414	12	590	120
15mm	.485	10	506	103
18mm	.580	8	422	86

All data for 50 lb. boxes only. All above tubing has a wall thickness of 1.3mm.

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Tubulated electrodes listed below include the unique TecnoLux 4", heavy wall tubulation.
All electrodes below sold in boxes of 100 pieces.

Item No.	Glass Diameter	Rating	Electrode Length	Notes*
10 mm, standard glass length				
E1025OL	10.5 mm	30 mA	55 mm	MS
E1025OLT	10.5 mm	30 mA	55 mm	MS,T
12 mm, standard glass length				
E1225OS	12.5 mm	32 mA	55 mm	M
E1225OST	12.5 mm	32 mA	55 mm	M,T
E1225CS	12.5 mm	32 mA	55 mm	C, M
E1225CST	12.5 mm	32 mA	55 mm	C, M,T
E1240OS	12.5 mm	50 mA	64 mm	M
E1240OST	12.5 mm	50 mA	64 mm	M,T
E1240CS	12.5 mm	50 mA	64 mm	C, M
E1240CST	12.5 mm	50 mA	64 mm	C, M,T
12 mm, long glass length				
E1225OL	12.5 mm	32 mA	70 mm	M
E1225OLT	12.5 mm	32 mA	70 mm	M,T
E1225CL	12.5 mm	32 mA	70 mm	C, M
E1225CLT	12.5 mm	32 mA	70 mm	C, M,T
E1240CL	12.5 mm	50 mA	80 mm	C, M
E1240CLT	12.5 mm	50 mA	80 mm	C, M,T
E1240OL	12.5 mm	50 mA	80 mm	M
E1240OLT	12.5 mm	50 mA	80 mm	M,T
15 mm, standard glass length				
E1540CS	15.5 mm	50 mA	60 mm	C, M
E1540CST	15.5 mm	50 mA	60 mm	C, M,T
E1540OS	15.5 mm	50 mA	60 mm	M
E1540OST	15.5 mm	50 mA	60 mm	M,T
E1560CS	15.5 mm	80 mA	70 mm	C, M
E1560CST	15.5 mm	80 mA	70 mm	C, M,T
E1560OS	15.5 mm	80 mA	70 mm	M
E1560OST	15.5 mm	80 mA	70 mm	M,T
15 mm, long glass length				
E1540CL	15.5 mm	50 mA	75 mm	C, M
E1540CLT	15.5 mm	50 mA	75 mm	C, M,T
E1540OL	15.5 mm	50 mA	75 mm	M
E1540OLT	15.5 mm	50 mA	75 mm	M,T
E1560CL	15.5 mm	80 mA	85 mm	C, M
E1560CLT	15.5 mm	80 mA	85 mm	C, M,T
E1560OL	15.5 mm	80 mA	85 mm	M
E1560OLT	15.5 mm	80 mA	85 mm	M,T

***Notes Key:**
C = Ceramic collar M = Mica ring attached below ceramic collar MS = Mica sleeve inside glass wall
T = 4" tubulation (not included in electrode length measurement)

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Tubulated electrodes listed below include the unique TecnoLux 4", heavy wall tubulation.

Item No.	Glass Diameter	Rating	Electrode Length	Notes*
18 mm, standard glass length				
E1875CS	18.5 mm	95 mA	62 mm	C, M
E1875CST	18.5 mm	95 mA	62 mm	C, M, T
E1875OS	18.5 mm	95 mA	62 mm	M
E1875OST	18.5 mm	95 mA	62 mm	M, T
E1890CS	18.5 mm	100 mA	62 mm	C, M
E1890CST	18.5 mm	100 mA	62 mm	C, M, T
E1890OS	18.5 mm	100 mA	62 mm	M
E1890OST	18.5 mm	100 mA	62 mm	M, T
E18120CS	18.5 mm	120 mA	70 mm	C, M
E18120CST	18.5 mm	120 mA	70 mm	C, M, T
E18120OS	18.5 mm	120 mA	70 mm	M
E18120OST	18.5 mm	120 mA	70 mm	M, T
E18150CS	18.5 mm	150 mA	78 mm	C, M
E18150CST	18.5 mm	150 mA	78 mm	C, M, T
E18150OS	18.5 mm	150 mA	78 mm	M
E18150OST	18.5 mm	150 mA	78 mm	M, T
18 mm, long glass length				
E1875CL	18.5 mm	95 mA	85 mm	C, M
E1875CLT	18.5 mm	95 mA	85 mm	C, M, T
E1875OL	18.5 mm	95 mA	85 mm	M
E1875OLT	18.5 mm	95 mA	85 mm	M, T
E1890CL	18.5 mm	90 mA	85 mm	C, M
E1890CLT	18.5 mm	90 mA	85 mm	C, M, T
E1890OL	18.5 mm	90 mA	85 mm	M
E1890OLT	18.5 mm	90 mA	85 mm	M, T
E18120CL	18.5 mm	120 mA	95 mm	C, M
E18120CLT	18.5 mm	120 mA	95 mm	C, M, T
E18120OL	18.5 mm	120 mA	95 mm	M
E18120OLT	18.5 mm	120 mA	95 mm	M, T
E18150CL	18.5 mm	150 mA	100 mm	C, M
E18150CLT	18.5 mm	150 mA	100 mm	C, M, T
E18150OL	18.5 mm	150 mA	100 mm	M
E18150OLT	18.5 mm	150 mA	100 mm	M, T

NEW!

Electrode Convenience Packs *- 50 Tubulated/50 Non-Tubulated per box*				
Item No.	Glass Diameter	Rating	Electrode Length	Notes*
E1025OL-HH	10.5 mm	30 mA	55 mm	MS & MS, T
E1225CS-HH	12.5 mm	32 mA	55 mm	C, M & C, M, T
E1240CS-HH	12.5 mm	50 mA	64 mm	C, M & C, M, T
E1540CS-HH	15.5 mm	50 mA	60 mm	C, M & C, M, T
E1560CS-HH	15.5 mm	80 mA	70 mm	C, M & C, M, T
E18120CS-HH	18.5 mm	120 mA	70 mm	C, M & C, M, T

* Please see notes on previous page.

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Gas Cylinders & Transfer Systems



All cylinders contain 12 liters of research grade rare gas.

Item #	*UltraPure* Rare Gases
UP100	Neon 100%
UP125	Argon 100%
UP100H	Helium 100%
UP100K	Krypton 100%
UP100XE	Xenon 100%
UP85105	85% Neon - 10% Argon - 5% Krypton H-2, Cold Weather Mix
UP7525	75% Neon - 25% Argon "H-Gas," Cold Weather Mix
UP7525K	75% Krypton - 25% Argon
UP2080	80% Argon - 20% Neon



Gas Cylinder Transfer System — **Item #**: GA102 *, ValveBw/man‡ *

Easy to use transfer system for 12 liter cylinders. Adapter screws onto cylinder and fits into Compression Fitting Adapter or can be attatched to 6mm tubing on manifold using supplied Viton® tubing. Each unit helium leak tested. Cylinder, clamp, and mounting hardware included.
‡Transfer valve also available with pressure gauge attached for indicator of gas remaining in cylinder.

Bellows Hose - 12" PTFE Teflon® — **Item #** BH-12 *

Ideal for making flexible connections between manifold and **Gas Transfer System** or between manifold and neon unit. Can be used anywhere a small, flexible high-vacuum connection is needed.



Compression Fitting Adapter 4-7mm — **Item #** CFA-01 *

Two sided glass and o-ring compression fitting is ideal for making connections between **Gas Transfer System**, **Bellows Hose**, manifold, and/or neon units.

Teflon® Compression Fitting Cap 4-7mm — **Item #** TLX-9904-211JS *

Eliminate the risks of melting compression fitting caps when tipping off from **Bellows Hose** or manifold. These caps are rated for 500° F continuous use and make ideal fittings for attaching neon units to compression fittings.

** Limited discounts available on selected items.*

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TecnoLux Color Sample Case

Convenient, self-contained neon sample case with 60 fully functioning tubes.

The most accurate and complete neon sales tool on the market, the TecnoLux Color Sample Case is a compact and durable briefcase. The case contains 60 different TecnoLux colors that can be turned on/off in any number or combination of tubes. One Neon Specifier included with case.

The Neon Specifier™

Neon specifying tool for Sign and Lighting Professionals.

True to life color sample book displaying the complete line of TecnoLux colors. Supplied with a black leather case, this tool contains helpful information including detailed descriptions of color, color intensity, and a neon selector for channel letter use.



Dry Fluorescent Powders

1 - Daylight 6500	11 - Pink	24 - Sky Blue
2 - Cool White 4500	12 - Super Blue	25 - 4500 Triphosphor White
3 - White 3500	13 - Coral Rose	29 - Salmon Rose
7 - 3000 Triphosphor White	14 - Magenta	32 - Lemon Yellow
8 - Blue	15 - Violet	39 - Traffic Light Green
9 - Super Turquoise	23 - Pineapple	99 - Special Red
10 - Green		

Minimum Fluorescent Powder order 100 grams per color.

Visit our website at www.tecnolux.com for more product information and current TecnoLux news.

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Silicone High Voltage Cable - UL/CSA Listed GTO - Integral Sleeve

			Item #		
	Voltage	Length	Black	White	Grey
GTO 10	10 KVAC	100'	GTO10-B100	GTO10-W100	GTO10-G100
GTO 10	10 KVAC	250'	GTO10-B250	GTO10-W250	GTO10-G250
GTO 15	15 KVAC	100'	GTO15-B100	GTO15-W100	GTO15-G100
GTO 15	15 KVAC	250'	GTO15-B250	GTO15-W250	GTO15-G250

Siliflex - Silicone High Voltage Cable - UL/CSA Listed GTO - Integral Sleeve

			Item #		
	Voltage	Length	Black	White	Grey
GTO 15	15 KVAC	100'	GTO15-SFX-B100	GTO15-SFX-W100	GTO15-SFX-G100
GTO 15	15 KVAC	250'	GTO15-SFX-B250	GTO15-SFX-W250	GTO15-SFX-G250
GTO 15	15 KVAC	1000'	GTO15-SFX-B1000	GTO15-SFX-W1000	GTO15-SFX-G1000

Outer diameter: *standard GTO-10 = 6.4mm, standard GTO-15 = 9.2mm, Siliflex GTO-15 = 6.9mm*
AWG sizes: *GTO-10, 18 AWG; GTO-15, 14 AWG; Siliflex GTO-15, 18 AWG*
Custom colors also available - 5,000' minimum order required. Please call for more information.

Water Based

Block-Out Paint	Item #	Description
5 gallon pails formulated for both dipping and brush application with superb coverage and longevity.	P100	Black
	P101	Black - One Gallon
	P150	Grey
	P125	White

Neon Tube Supports	Item #	Description
All tube supports sold per 1000.	TS500	1 3/4" glass/aluminum
	TS2O2WB	1 3/4" glass/brass
	TS5O1	3 1/2" glass/brass

Bending Block	Item #	Description
Marinite® is an excellent heat insulator. Perfect material for blocking bends or forming "jigs" with minimal stress on glass. Custom sizes available. Call for information.	BB-34-3-7	3/4" thick, 3" x 7.5"

Excellent surface for bending

Neon Bending Cloth	Item #	Description
Ideal high temperature, vermiculite coated fiberglass cloth. Perfect for bending table covering.	GT Cover	60" x 5 yd. roll

Blowhose Swivels	Item #	Description
Solid brass, right-angled swivels.	16/11/35 *	3/16 swivel
	16/11/36 *	1/4" swivel

Protective Eyewear	Item #	Description
Didymium glasses reduce yellow sodium flare and help protect the eyes from harmful heat and ultra-violet and infrared radiation while working soft types of hot glass. Prescription, clip-on, and other styles also available, please call for more information.	11-1110 *	Safety frame
	F9-101 *	Metal frame

** Limited discounts available on selected items.*

Straight



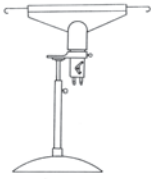
Double Back

Silicone Electrode Boots/Caps

Item #	Diameter	Color	Style
10SC1B	10mm	Black	Straight
10SC1BDB	10mm	Black	Double Back
10SC1W	10mm	White	Straight
10SC1WDB	10mm	White	Double Back
12SC1B	12mm	Black	Straight
12SC1BDB	12mm	Black	Double Back
12SC1W	12mm	White	Straight
12SC1WDB	12mm	White	Double Back
15SC1B	15mm	Black	Straight
15SC1BDB	15mm	Black	Double Back
15SC1W	15mm	White	Straight
15SC1WDB	15mm	White	Double Back
18SC1B	18mm	Black	Straight
18SC1BDB	18mm	Black	Double Back
18SC1W	18mm	White	Straight
18SC1WDB	18mm	White	Double Back

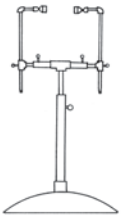
Neon Torches and Burners

Ribbon Burners



Item #	Description
RBH06 *	Burner Head - 6"
RBO16 *	Burner Head - 16"
RBH24 *	Burner Head - 24"
RBFL *	Mounting Flange
RBO24 *	Economizer
RBFS *	Burner Floor Stand

Cross Fires



Item #	Description
CF100 *	Complete w/ mixer & Stand

Hand Torches



Item #	Description
HT500 *	Hand Torch
TT150 *	Tipping Torch
4249 *	Hand/Tip Torch Mixer & Valves

** Limited discounts available on selected items.*



Item #	Description
100VG *	**Digivac® Vacuum Gauge**

This compact, rugged gauge provides a low cost alternative with excellent performance. LCD readout displays microns or milibar - please specify units desired. Also available in 230V unit, please specify.

41170122 **Grounding Screen**

Protect the Digivac® Vacuum Gauge thermocouple from bombarder flashback damage by using this NW-16 grounding screen.

8111-072 **NW-16 to 1/8" NPT Adapter**

Adapter screws onto Digivac® Vacuum Gauge thermocouple end for attachment to NW-16 flange.



Item #	Description
2000T *	**Digital Torr Gauge**

Gas independent pressure gauge with three-digit LED readout for measuring backfilling pressures. Switchable between 1 - 760 or .1 - 199 Torr. 110 volt input and optional 3 volt control output.



Item #	Description
D356-12-000 *	**Edwards Capsule Dial Gauge**

Barometrically compensated 0-50 mbar pressure gauge. Perfect for monitoring bombarding and backfilling pressure. Fitted with a NW16 vacuum connection with clamp and studs for mounting.

High-Tension Test Coils	Item #	Description
High frequency discharge test coils provide a safe, "soft" alternative to conventional "spark" coils.	BD1 BD10AV *	110 V Test Coil
	BD2OAV *	220 V Test Coil

Bombarding Mica	Item #	Description
	M1100	1/4 lb., assorted sizes

** Limited discounts available on selected items.*



Item #	Description
T2000 *	**Digital Temperature Gauge**

Accurate and dependable battery operated unit with three digit readout in either F or C (switchable on rear panel).

PK3	**Thermocouple Clamp**

Replacement sensor clamp for gauge.





Item #	Description
VB-0075 *	**Vortex® Regenerative Blower**

Compact and lightweight design with quiet and reliable operation. Provides 110 CFM** for 1-3 neon bending stations with non-pulsating, oil-free airflow.
Power input: 115/230V, 60/50 Hz.
**Slight performance variation when operated @ 50 Hz.

PRV-1015 *	**Pressure Relief Valve**
FT-18-150 *	**Filter**



Item #	Description
100-CE-115 *	**Dual-Stage Rotary Vane Vacuum Pump** - 100 l/min., 3.5 CFM (60 Hz)
200-CE-115 *	**Dual-Stage Rotary Vane Vacuum Pump** - 200 l/min.

These virtually vibration free, compact pumps feature impressive pumping speeds with an anti-suck back design to provide reliable and trouble-free operation. Also available in 230V/50 Hz models, please specify.

Item #	Description
QF25-100-H *	**Vacuum Hose Adapter - NW-25 to Hose Barb**
T088 *	**Vacuum Hose, 7/8" inner diameter - per foot**
TKO-19 *	**Vacuum Pump Oil - 1 quart**

** Limited discounts available on selected items.*



Standard Indoor Models **- include 59" line cord and 40" of integral sleeve GTO**					
Model #	**Primary**	**Secondary**	**Current**	**Code**	**Case Type**
ET-1230	120V	12000V	30mA	LC, PC	MAXI
ET-1230-DF	120V	12000V	30mA	BD, BF, LC, PC	MAXI
ET-9030	120V	9000V	30mA	LC, PC	MIDI
ET-9030-DF	120V	9000V	30mA	BD, BF, LC, PC	MIDI
ET-9030-TD	120V	9000V	30mA	ED, EF, LC	MIDI
ET-9025	120V	9000V	25mA	LC	MAXI
ET-9025-D	120V	9000V	25mA	BD, LC	MAXI
ET-9025-F	120V	9000V	25mA	BF, LC	MAXI
ET-7530	120V	7500V	30mA	LC	MINI
ET-7530-D	120V	7500V	30mA	BD, LC	MINI
ET-7530-F	120V	7500V	30mA	BF, LC	MINI
ET-5060	120V	5000V	60mA	LC, PC	MAXI



"TF" Case Type

"UF" Case Type



Channel Letter Models - Indoor/Outdoor

Exclusive design for channel letter applications. Variable frequency technology maintains a virtually constant current load independent of varying diameters and tube lengths. Thermal protection with automatic reset disconnects supply voltage if the internal temperature of the power supply exceeds 220º F. 1/2" female conduit nipple for primary connection and integral sleeve GTO for secondary connection.

Model #	**Primary**	**Secondary**	**Current**	**GTO Leads**	**Case Type**
ET-7530-CL	120V	7500V	30mA	40"	UF
ET-7530-CL277	277V	7500V	30mA	40"	UF
ET-7530-CLTF	120V	7500V	30mA	59"	TF
ET-7530-CLTF277	277V	7500V	30mA	59"	TF
ET-6060-CLTF	120V	6000V	60mA	59"	TF
ET-6060-CLTF277	277V	6000V	60mA	59"	TF
ET-5060-CL	120V	5000V	60mA	40"	UF
ET-5060-CL277	277V	5000V	60mA	40"	UF

Key

ED = External dimmer compatible
BD = Built-in dimmer
LC = Line cord
EF = External flasher compatible
BF = Built-in flasher
PC = Pull chain switch

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Lighting Design Models

Designed to cater to the specific needs of lighting designers. Dimmable with 3-wire triac control and compatible with Lutron NF-10 fluorescent dimmers or other similar dimming controls. Also compatible with external flashers. 1/2" female conduit nipple for primary connection and 59" of integral sleeve GTO-10 for secondary connection on "LD" models and 1/2" female conduit nipples on "TF" models. Minimal variation in current load with different tube sizes.

Model #	Primary	Secondary	Current	Case Type
ET-7530-LD	120V	7500V	30mA	UF
ET-7530-LD277	277V	7500V	30mA	UF
ET-7530-LDTF	120V	7500V	30mA	TF
ET-7530-LDTF277	277V	7500V	30mA	TF
ET-5060-LD	120V	5000V	60mA	UF
ET-5060-LD277	277V	5000V	60mA	UF
ET-5060-LDTF	120V	5000V	60mA	TF
ET-5060-LDTF277	277V	5000V	60mA	TF
ET-2120-LD	120V	2000V	120mA	UF
ET-2120-LD277	277V	2000V	120mA	UF
ET-2120-LDTF	120V	2000V	120mA	TF
ET-2120-LDTF277	120V	2000V	120mA	TF

Lighting Design Models - UL935 Listed

Model #	Primary	Secondary	Current	Case Type
EB-2540-LD	120V	2500V	40mA	UF
EB-2540-LD277	277V	2500V	40mA	UF
EB-2120-LD	120V	2000V	120mA	UF
EB-2120-LD277	277V	2000V	120mA	UF
EB-960-LD	120V	990V	60mA	UF
EB-960-LD277	277V	990V	60mA	UF
EB-9120-LD	120V	990V	120mA	UF
EB-9120-LD277	277V	990V	120mA	UF

DMX Interface

Model #	Primary Voltage	Description
EC-DMX-LD	120V	DMX to LD Interface
EC-ADL-DMX	12V	ADELIS DMX Controller

Power Supply Loading Charts





Voltage	**990V**						
Diameter	10mm	12mm	15mm	18mm	20mm	25mm	
Argon/hg	5	6	7	7	8	9	
Neon	3	3	3.5	4	4	4.5	
Voltage	**2000V**						
Diameter	10mm	12mm	15mm	18mm	20mm	25mm	
Argon/hg	13	14	15	15	16	18	
Neon	10	11	11	12	13	14	
Voltage	**2500V**						
Diameter	10mm	12mm	15mm	18mm	20mm	25mm	
Argon/hg	14	15	16	16	17	19	
Neon	11	12	12	13	14	15	
Voltage	**5000V**						
Diameter	10mm	12mm	15mm	18mm	20mm	25mm	
Argon/hg	16	18	20	23	24	25	
Neon	12	14	16	18	19	20	
Voltage	**6000V**						
Diameter	10mm	12mm	15mm	18mm	20mm	25mm	
Argon/hg	16	19	24	27	28	29	
Neon	13	16	20	22	24	25	
Voltage	**7500V**						
Diameter	6mm	8mm	10mm	12mm	15mm	18mm	20mm
Argon/hg	16	19	22	23	26	28	30
Neon	12	14	16	17	18	20	21
Voltage	**9000V**						
Diameter	6mm	8mm	10mm	12mm	15mm	18mm	20mm
Argon/hg	28	32	36	39	43	46	49
Neon	19	23	26	28	30	33	36
Voltage	**12000V**						
Diameter	6mm	8mm	10mm	12mm	15mm	18mm	20mm
Argon/hg	34	39	43	47	51	55	59
Neon	23	28	31	34	37	39	43

Quartz/Epoxy-Resin Body Transformers



The unique TecnoLux combination of quartz and epoxy resin produces a transformer virtually impervious to weather conditions. Operating reliably from -30° C to 100° C, the inclusion of quartz in the epoxy resin makes TecnoLux transformers exceptionally efficient in their heat dissipation. It also dramatically increases their impact strength and provides superior electrical insulation.

Item #	Volts	mA	Watts	Volt Amps
RB-3030	3,000	30	52	90
RB-5030	5,000	30	86	150
RB-6030	6,000	30	103	180
RB-7530	7,500	30	130	225
RB-9030	9,000	30	155	270
RB-12030	12,000	30	207	360
RB-15030	15,000	30	259	450
RB-3060	3,000	60	103	180
RB-5060	5,000	60	172	300
RB-6060	6,000	60	207	360
RB-7560	7,500	60	259	450
RB-9060	9,000	60	310	540
RB-12060	12,000	60	414	720
RB-15060	15,000	60	518	900





Quartz/Epoxy-Resin Body Transformer Information



SECONDARY					WEIGHT	DIMENSIONS		
ITEM #	V	mA	W	VA	LBS	WIDTH INCHES	HEIGHT INCHES	LENGTH INCHES
RB-3030	3,000	30	52	90	7.11	3.36	2.36	12.88
RB-5030	5,000	30	86	150	7.11	3.36	2.36	12.88
RB-6030	6,000	30	103	180	7.11	3.36	2.36	12.88
RB-7530	7,500	30	130	225	10.44	3.36	3.08	12.88
RB-9030	9,000	30	155	270	10.44	3.36	3.08	12.88
RB-12030	12,000	30	207	360	12.89	3.36	3.60	12.88
RB-15030	15,000	30	259	450	12.89	3.36	3.60	12.88
RB-3060	3,000	60	103	180	7.11	3.36	2.36	12.88
RB-5060	5,000	60	172	300	10.44	3.36	3.08	12.88
RB-6060	6,000	60	207	360	12.89	3.36	3.60	12.88
RB-7560	7,500	60	259	450	12.89	3.36	3.60	12.88
RB-9060	9,000	60	310	540	15.11	3.36	4.16	12.88
RB-12060	12,000	60	414	720	27.78	4.68	4.52	14.80
RB-15060	15,000	60	518	900	32.89	4.68	4.92	14.80

		APPROXIMATE NUMBER OF FEET OF TUBING OPERATED*																				
		RED NEON, CLEAR OR FLUORESCENT											MERCURY FILLED TUBE, CLEAR OR FLUORESCENT ALL COLORS										
V	mA	TUBE SIZE IN MILLIMETERS (mm)											TUBE SIZE IN MILLIMETERS (mm)										
		25	22	20	18	15	14	13	12	11	10	9	25	22	20	18	15	14	13	12	11	10	9
3,000	30	17	14	12	11	11	10	9	8	8	8	7	22	18	16	14	13	12	11	10	9	9	8
5,000	30	33	28	23	20	18	17	15	14	13	13	12	40	33	27	24	22	20	18	17	16	15	14
6,000	30	40	34	28	24	22	21	19	18	16	15	14	48	40	32	29	27	25	23	21	19	18	17
7,500	30	51	41	34	28	27	25	23	22	20	19	18	61	48	39	35	33	30	28	26	24	23	21
9,000	30	67	57	48	40	33	30	28	26	24	23	21	80	67	55	45	40	36	33	31	29	28	25
12,000	30	79	67	61	55	46	42	38	35	33	31	28	95	79	70	62	55	50	46	42	39	37	34
15,000	30	102	85	78	72	60	54	50	46	43	40	38	120	100	90	80	72	65	60	55	51	48	45
3,000	60	17	14	12	11	11	10	9	8	8	8	7	22	18	16	14	13	12	11	10	9	9	8
5,000	60	33	28	23	20	18	17	15	14	13	13	12	40	33	27	24	22	20	18	17	16	15	14
6,000	60	40	34	28	24	22	21	19	18	16	15	14	48	40	32	29	27	25	23	21	19	18	17
7,500	60	51	41	34	28	27	25	23	22	20	19	18	61	48	39	35	33	30	28	26	24	23	21
9,000	60	67	57	48	40	33	30	28	26	24	23	21	80	67	55	45	40	36	33	31	29	28	25
12,000	60	79	67	61	55	46	42	38	35	33	31	28	95	79	70	62	55	50	46	42	39	37	34
15,000	60	102	85	78	72	60	54	50	46	43	40	38	120	100	90	80	72	65	60	55	51	48	45
Recommended Gas Pressure (MM/Hg)		6	7	8	8	9	10	10	11	12	13	15	6	7	8	8	9	10	10	11	12	13	15

**** Revised based on (1) average grade of tubing, (2) correct gas pressure, (3) high voltage GTO Cable less than 25 feet per installation, and (4) primary voltage supply at 120Volts ±5%.***
The above chart is a guideline. More accurate data can only be obtained by using a loading instrument.
Deduct approximately one foot from the above figures per pair of electrodes. Add 10% to the recommended gas pressure measured in MM/Hg when the length of tube is less than ten feet. We suggest, whenever possible, you choose the neon transformer designed and recommended for your specific length of tube.

Glass Technical Data

Thermal Properties

ColorTubes™

- Softening Point 658° C
- Annealing Point 482° C
- Strain Point 446° C
- Coefficient of Expansion 95.52

***UltraClean™* & Lead-Free Tubing**

- Softening Point 675° C
- Annealing Point 490° C
- Strain Point 455° C
- Coefficient of Expansion 92.5

Recommended Gas Filling Pressures

Neon Gas		*Tube Diameter*	*Blue Gas*	
Torr	*mbar*		*Torr*	*mbar*
20	27	8/9mm	12	16
17	23	9/10mm	12	16
15	20	11/12mm	10	13
12	16	14/15mm	8	11
9	12	17/18mm	8	11
6	8	20/21mm	6	8
6	8	24/25mm	5	7

Color Selector for Channel Lettering

Plastic Color	TecnoLux Color #	Tube Color
Orange	13	Coral Rose or Neon filled clear
Yellow	25	4500 Triphosphor
Gold	4	Warmtone
Red	99	Special Red Neon filled clear
Blue	12	Super Blue
Green	39	Traffic Light Green
Purple	15	Violet
White	25	4500 Triphosphor
Ivory	7	3000 Triphosphor
Display Transparency	5	5000 Special White

Questions regarding TecnoLux products can be answered via Email at: info@tecnolux.com

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Weights & Packaging Information

ColorTubes™ Weights and Packaging

Packaged in 11 lb. triangular boxes.

Diameter	Tube Wt. (lbs.)	Feet per Box	Tubes per Box
6mm*	.137	398	81
8mm	.231	236	48
9mm	.265	206	42
10mm	.299	181	37
11mm	.333	162	33
12mm	.367	147	30
13mm	.401	137	28
15mm	.470	118	24
18mm	.572	93	19
20mm	.640	83	17
22mm	.709	78	16

Tubing has a length of 59" and a wall thickness of 1.25mm, except * 1mm.

UltraClean™ Weights and Packaging

Diameter	Tube Wt. (lbs.)	Feet per Box		Tubes per Box	
		11lb.	25lb.	11lb.	25lb.
6mm*	.136	397	903	80	183
7mm	.196	275	627	56	127
8mm	.237	226	521	46	106
9mm	.272	196	452	40	92
10mm	.308	177	398	36	81
11mm	.343	157	358	32	73
12mm	.379	142	324	29	66
13mm	.414	132	300	27	61
15mm	.485	113	255	23	52
18mm	.580	93	206	19	42

Tubing has a length of 59" and a wall thickness of 1.3mm, except * 1mm.

Cold Cathode Blank Packaging

18mm - 60 tubes per box
20mm - 48 tubes per box
25mm - 28 tubes per box

Data approximate and for estimate use only. Call for special order and minimum quantity information.

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