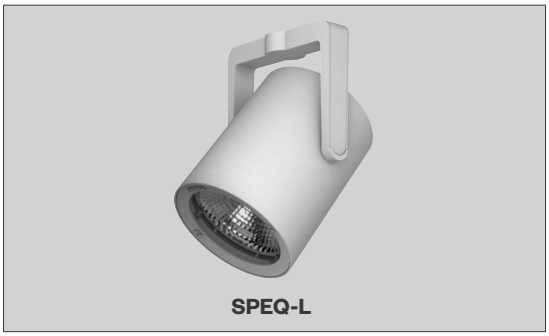
SPEQ-L

Large Cylinder Track Head

PROJECT: **TYPE:**

Features

The SPEQ Series fixtures are built to last with replaceable LED drivers and LEDs, making them durable and **sustainable choices** for your lighting needs. Designed to let the interior design and not the lighting take center stage, the SPEQ track head from Amerlux balances clean, minimal aesthetic design with industry leading optical performance. The fixture has no visible heat sink or venting and has snoot perfectly matched to provide excellent glare control while maintaining the clean fixture lines. The integral driver is fully featured with low end dimming and full 2.5 KV surge protection (not a lamp driver!) Perfect for Galleries, Retail and Commercial interiors SPEQ uses high end optical designs to ensure your space is lit perfectly and efficiently.



SPEQ-L

Product Overview

Type:	Track Accent & Display
Wattage:	33W, 41W, 48W
Color Temp:	2700K, 3000K, 3500K, 4000K Signature LED options in 2700K & 3000K
CRI:	83 typ. or 90+ typ. 3K Class A LED's available
Dimming:	TRIAC & ELV, 5% Dim, 120/277VAC
Weight:	4.0 lbs *(without accessories)*

Certifications

5 year limited warranty AMERLUX LED

Fixture Summary

Performance Data

Watts	Delivered Lumens	LPW	CBCP	Color Temp-CRI
33	3193	96.8	40,281	3000K-83
41	3805	92.8	48,007	3000K-83
48	4374	91.3	55,180	3000K-83

Data is based on 3000K-83 120V IES files available on website.
Data is based on Spot optic. See pg 5-6 for other beam spreads.

Electrical Data

	33W		41W		48W	
Voltage	System Watts	Amps	System Watts	Amps	System Watts	Amps
120V	33	0.28	41	0.34	48	0.40
277V	33	0.12	41	0.15	48	0.17

Electronic constant current LED driver.

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amerlux

PROJECT:	TYPE:

Ordering Informationv

SPEQ-L-A17 . ____ . ____ . ____ . ____ . ____ . ____ . LE/TE . ____

1 2 3 4 5 6 7 8 9

1 Model	2 Wattage	3 Finish
SPEQ-L-A17	**33**	**WT** white texture
	41	**BT** black texture
	48	**ST** silver texture
		Other finishes, consult factory

4 Mounting	5 Voltage	6 Beam Spreads
TN1 Global GES 1cir/H-Style, 120V	**120**	**SP** spot, 12°
TEK Global TEK 2cir/2neut, 120V	**277**	**NF** narrow flood, 17°
TN3 Global XTS 3cir, 120V		**FL** flood, 25°
TN2 Global HTEK 2cir/2neut, 277V		**WF** wide flood, 40°
CT J-Style 1 or 2 cir, 120V		**LS** linear spread lens, 40° x 13° *(reduces # of accessories by 1, if applicable)*
LOL L-Style 1cir, 120V		
CPR Capri 1cir, 120V		
C canopy, 120V or 277V		
CCL2-SCP C-clamp, black, with straight cord*, 6' 120V		
CCL2-CCP C-clamp, black, with coil cord*, 5' 120V		
Notes: * Black cord used for BT & ST finish. White cord used for WT finish.		

7 Color Temp

83 CRI	90+ CRI		
27 2700K-83	**279** 2700K-90+	**SA27** Signature Ambiance 2700K-90+	**3CLA** 3K Class A
30 3000K-83	**309** 3000K-90+	**SA30** Signature Ambiance 3000K-90+	
35 3500K-83	**359** 3500K-90+	**SW30** Signature White 3000K-90+	
40 4000K-83	**409** 4000K-90+	**SC30** Signature Color 3000K-90+	

8 Driver

LE/TE TRIAC/ELV dimming, 120/277VAC

9 Options/Accessories

(standard front door accepts up to 2 accessories)

SN snoot *(accepts up to 2 accessories or cross blade + 1 accessory)*

HEX hexcell louver

SOL solite beam softening lens

CB cross blade *(requires snoot)*

SPEQ-L

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PROJECT:	TYPE:

Specifications

Application

Retail, Museum, Gallery, Hospitality and Commercial accent and display lighting

Construction

Complete die-cast aluminum construction
No exposed wiring
Unique magnetic dual lock front door

Optical

Patented Amerlux designed TIR optical system.
0-90° lockable tilt, 360° rotation
Tilt indicating marks for common tilt positioning
Beam Spreads: Spot 12°, Narrow Flood 17°, Flood 25°, Wide Flood 40°, Linear Spread 40° x 13°

LED

Color Temp Options: 2700K, 3000K, 3500K, 4000K
Signature Ambiance, White, and Color options available *(see below)*
CRI: 83 typ. or 90+ typ.
Class A* 3000K LEDs available
R9 Values: 11 *(83 CRI)*, 55 *(90+ CRI)*
Binning: 3-step MacAdam ellipse *(SDCM)*
Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs

* ***Class A LED:*** *Class A LED's have a CRI > 80 and a GAI > 80. CRI defines color "Naturalness" and GAI defines color "Saturation." Both being high delivers rich colors and pure whites.*

Signature Ambiance *(2700K & 3000K): A refined, warm light recipe ideal for hospitality, residential-style commercial spaces, and retail. It accentuates woods, textiles, bronze, and darker finishes, creating a relaxed and inviting luxury environment.*

Signature White *(3000K): A premium white option built for crisp displays, clean architectural finishes, and retail settings. It enhances white surfaces and visual clarity, ensuring whites read brighter without sacrificing refinement.*

Signature Color *(3000K): A vibrant, color-enhancing option designed for spaces where merchandise, fabrics, and finishes need to stand out. It heightens the contrast between colors and whites, delivering deeper, richer presentations for dynamic retail and hospitality experiences.*

Electrical

Wattage: 33W, 41W, 48W
Electronic constant current LED driver, 120/277VAC input
This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Amerlux® recommends using additional surge protection with this unit (supplied by others), surge and over voltage damage is not covered under warranty.

Driver

LE/TE - Leading Edge *(Triac, Forward Phase)* or Trailing Edge *(ELV, Reverse Phase)* autosensing driver dims down to 5% on most dimming systems.
See dimming pages for more information.

Finish

Powder coat paint.
Standard Colors: White Texture, Black Texture, Silver Texture
Consult factory for custom RAL powder coat finishes

Mounting

Track, canopy and c-clamp.
Note: Recommend track fixture mounting to horizontal surface mounted/ pendant mounted track only

Certifications

Approved to UL standards as tested by CSA.
Intended for indoor use only.

Warranty

5 year limited warranty

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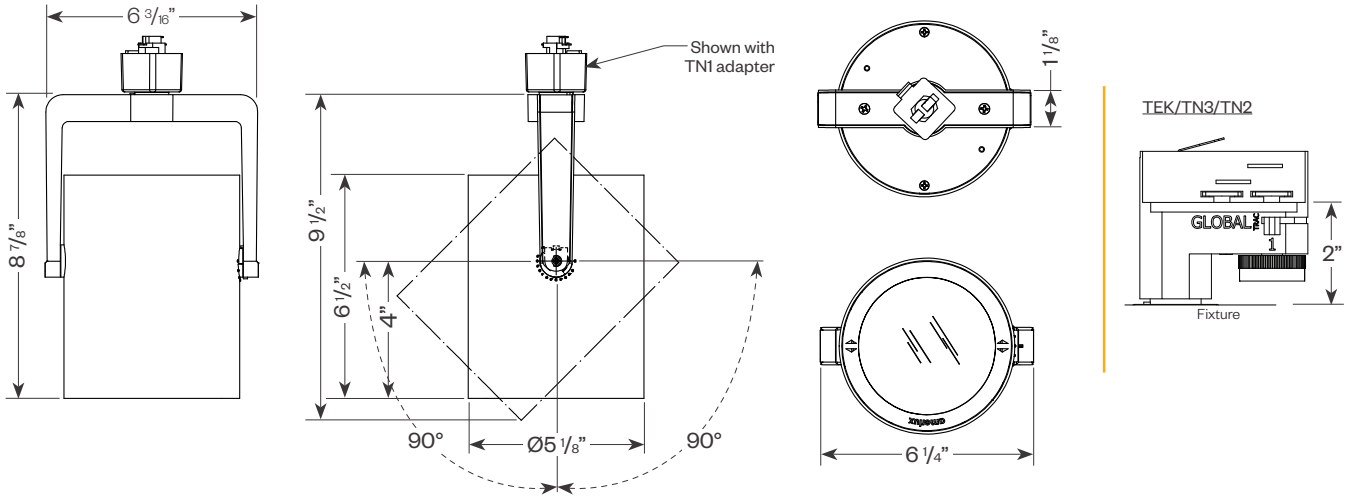
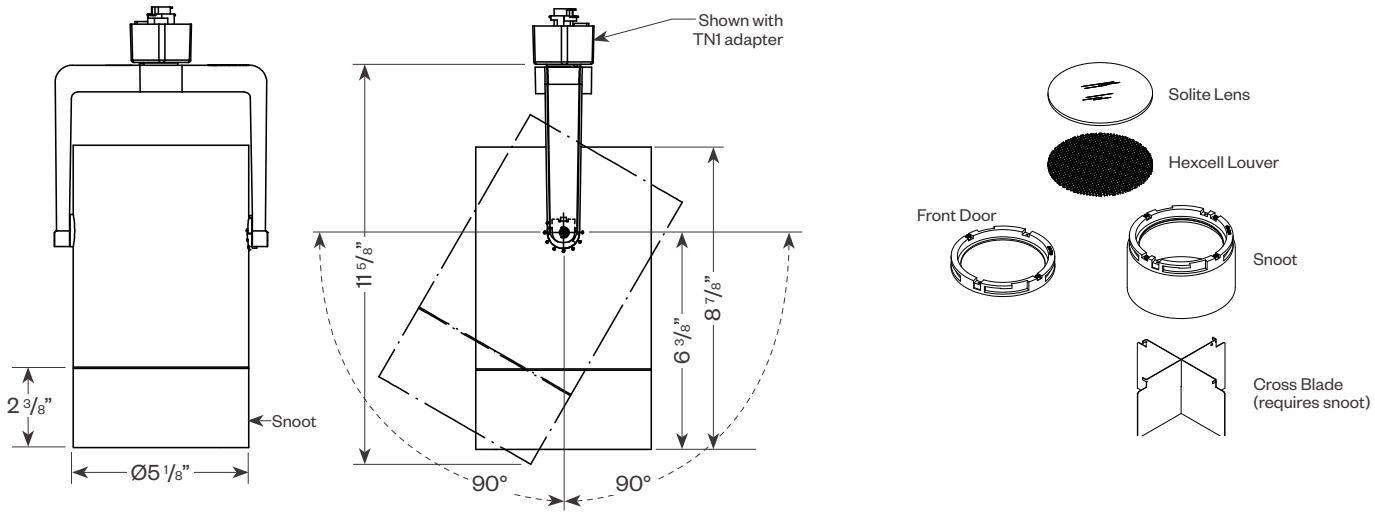
PROJECT:	TYPE:

Product Details

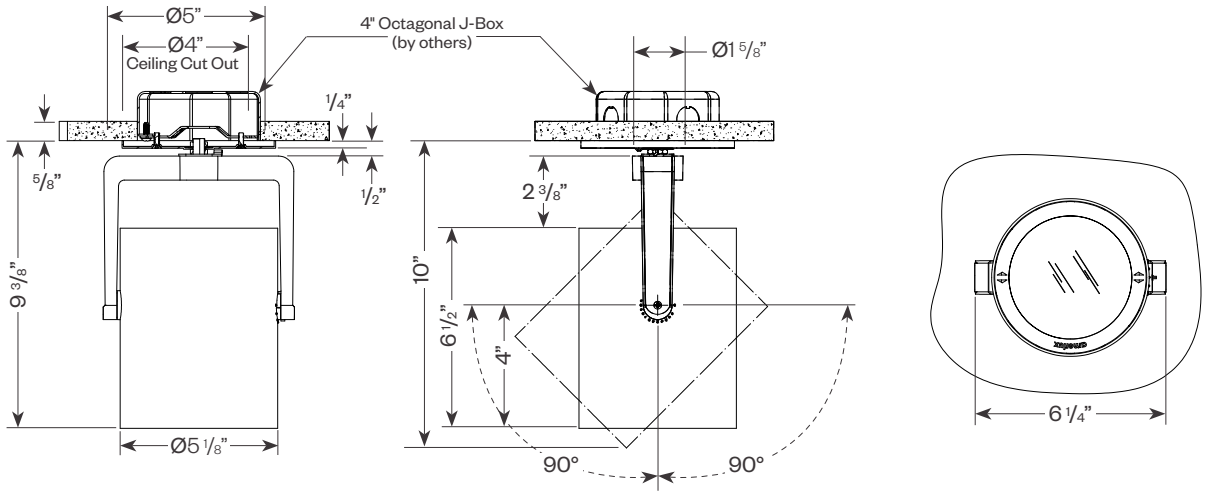
SPEQ-L



SPEQ-L Snoot & Accessories



SPEQ-L Canopy Mount



SPEQ-L

Large Cylinder Track Head

PROJECT: **TYPE:**

Performance Data

Multiplying Factors: *(Multiplying Factor is based on 3000K-83 120V IES file on website)*

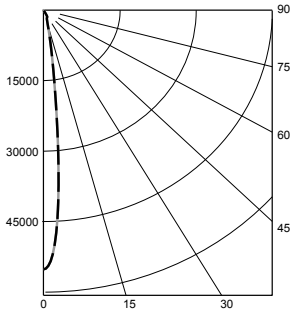
CCT:	2700K-83	3000K-83	3500K-83	4000K-83
Factor:	0.96	1.0	1.02	1.04

Wattage:	33W	41W	48W
Factor:	0.73	0.87	1.0

CCT:	2700K-90+	3000K-90+	3500K-90+	4000K-90+	3CLA	SA27	SA30	SW30	SC30
Factor:	0.828	0.857	0.891	0.926	0.724	0.986	1.009	1.078	1.003

48W LED, 3000K-83

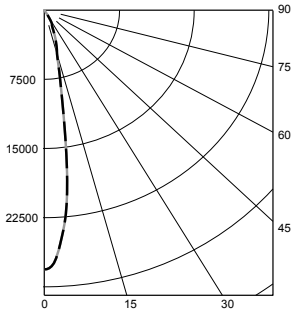
Spot (SP), 12°
LTL # 13387358.14
Lumens: 4374 lm; 91.3 lm/W



Candelas at Nadir

Deg	Candela
0	55180
5	33550
15	3235
25	1682
35	77
45	42

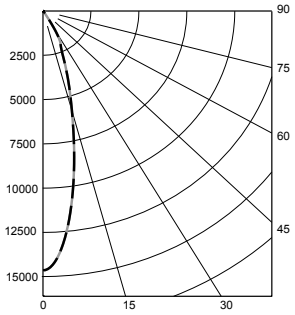
Narrow Flood (NF), 17°
LTL # 13387358.15
Lumens: 4382; 91.5 lm/W



Candelas at Nadir

Deg	Candela
0	28110
5	23170
15	4872
25	1804
35	77
45	39

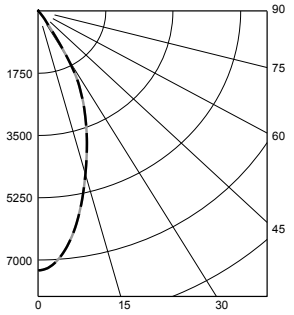
Flood (FL), 25°
LTL # 1338358.16
Lumens: 4064 lm; 85.1 lm/W



Candelas at Nadir

Deg	Candela
0	14650
5	12880
15	5692
25	2160
35	155
45	62

Wide Flood (WF), 40°
LTL # 1338358.17
Lumens: 3590 lm; 75.1 lm/W

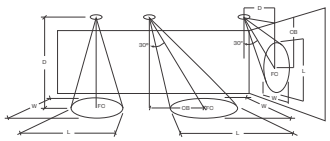


Candelas at Nadir

Deg	Candela
0	7294
5	6904
15	4748
25	2721
35	359
45	48

Application Data

Notes and Definitions:
Beam spread is to 50% center beam candlepower *(CBCP)*.
D=Distance to floor or wall.
FC=Footcandles on floor or wall at center beam aiming location.
L=Effective Visual Beam length in feet *(50% of maximum footcandle level)*.
W=Effective Visual Beam width in feet *(50% of maximum footcandle level)*.
CB=Distance across or down to center beam location.



	0° Aiming Angle Horizontal Footcandles				30° Aiming Angle Horizontal Footcandles					30° Aiming Angle Vertical Footcandles					60° Aiming Angle Vertical Footcandles				
	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
SPOT	5.0'	2204	1.1	1.1	5.0'	1421	1.3	1.2	3.0	3.0'	827	2.3	1.2	5.0	3.0'	2775	1.2	1.1	2.0
	7.5'	980	1.4	1.4	7.5'	621	2.2	1.6	4.0	4.0'	460	3.0	1.4	6.0	4.0'	1999	1.3	1.1	2.0
	10.0'	552	2.0	2.0	10.0'	350	2.8	2.5	6.0	5.0'	310	3.6	1.8	8.0	5.0'	1377	1.4	1.2	3.0
	12.5'	354	2.7	2.7	12.5'	234	3.4	3.0	7.0	6.0'	208	4.5	2.5	10.0	6.0'	890	2.0	1.3	3.0
NARROW FLOOD	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
	5.0'	1126	1.4	1.4	5.0'	726	2.0	1.6	3.0	3.0'	454	3.1	1.5	4.0	3.0'	1622	1.5	1.2	2.0
	7.5'	501	2.4	2.4	7.5'	335	3.0	2.7	4.0	4.0'	270	3.9	2.1	6.0	4.0'	1148	1.7	1.3	2.0
	10.0'	282	3.1	3.1	10.0'	182	4.0	3.4	6.0	5.0'	175	4.8	2.8	7.0	5.0'	709	2.2	1.6	3.0
	12.5'	181	3.7	3.7	12.5'	121	4.9	4.3	7.0	6.0'	121	5.9	3.3	9.0	6.0'	511	2.4	1.9	3.0
FLOOD	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
	5.0'	587	2.1	2.1	5.0'	379	2.9	2.6	3.0	3.0'	279	3.9	2.3	4.0	3.0'	879	2.2	1.5	2.0
	7.5'	261	3.2	3.2	7.5'	177	4.3	3.6	4.0	4.0'	157	5.0	3.1	5.0	4.0'	619	2.2	1.9	2.0
	10.0'	147	4.2	4.2	10.0'	99	5.4	4.8	5.0	5.0'	99	6.4	3.8	7.0	5.0'	370	2.9	2.6	3.0
	12.5'	95	5.3	5.3	12.5'	63	6.8	6.0	7.0	6.0'	71	8.0	4.5	8.0	6.0'	276	3.3	3.0	3.0
WIDE FLOOD	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
	5.0'	293	3.3	3.3	5.0'	201	3.9	3.6	2.0	3.0'	188	3.9	3.0	3.0	3.0'	534	2.4	2.2	1.0
	7.5'	130	4.8	4.8	7.5'	90	5.9	5.4	3.0	4.0'	106	4.8	4.0	4.0	4.0'	321	3.1	3.0	2.0
	10.0'	74	6.4	6.4	10.0'		7.6	6.9	5.0	5.0'	68	6.4	5.0	5.0	5.0'	205	3.9	3.6	2.0
	12.5'	47	7.9	7.9	12.5'		9.5	8.7	6.0	6.0'	48	7.6	6.1	6.0	6.0'	143	4.7	4.4	3.0

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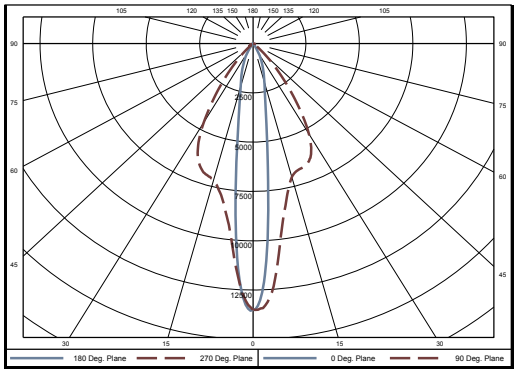
Factor:	0.828	0.857	0.891	0.926	0.724	0.986	1.009	1.078	1.003

Linear Spread (LS), 40° x 13°
LTL # 13387358.18
Lumens: 3588 lm



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	3167	88.3
0-60	3445	96.0
0-90	3588	100.0
90-180	0	0.0

Luminaire Efficacy = 75 lm/W

Application Data

10' Mounting Height

Footcandles on Floor

0° Aiming Angle
Horizontal
Footcandles

= Approximate 50% visual beam

8' Mounting Height

6' Mounting Height

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PROJECT:	TYPE:

Dimming Compatibility

Amerlux® SPEQ® fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration *(Dimmer, Fixture Quantity, Voltage, etc)* may affect dimming performance.

--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

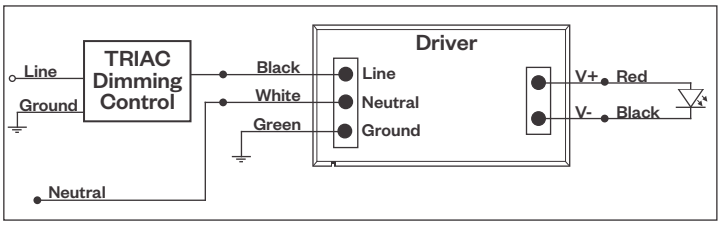
TRIAC *(Forward Phase)* Dimming

Utilizes standard TRIAC dimmers that are in wide use in installations across the US. Best for retrofit applications where TRIAC dimmers are installed.

Notes:

- 120VAC or 277VAC*
- Dims down to 5% light output *(most cases)*
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

TRIAC Wiring Diagram



Compatible Dimmers†:	
Wall Box *(TRIAC 120VAC)*	**Central System**
Lutron “Diva”	Lutron “GP” Panel
Lutron “Nova-T”	Lutron Grafik Eye QS
Lutron “Maestro"	
Lutron “Skylark”	

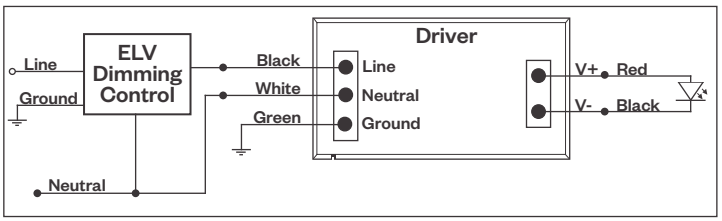
ELV - Electronic Low Voltage *(Reverse Phase)* Dimming

Utilizes specialized “ELV” dimmers.

Notes:

- 120VAC or 277VAC*
- Dims down to 5% light output *(most cases)*
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

ELV Wiring Diagram



Compatible Dimmers†:		
Wall Box *(ELV 120VAC)*	**Wall Box** *(ELV 277VAC)*	**Central System**
Lutron “Diva”	Leviton Revoir II AWSMT-E	Lutron “GP” Panel with PHPM-PA 120/277VAC
Lutron “Nova-T”		Lutron Grafik Eye QS with PHPM-PA 120/277VAC
Lutron “Maestro"		
Lutron “Skylark”		
Leviton “Surslide”		
Leviton “Vizio”		

Notes:

* Driver is 277VAC dimmable with appropriate dimmer *(by others)*. All provided wiring diagrams show 120VAC wiring colors and method. Please refer to 277VAC dimmer installation instructions for 277VAC wiring diagrams.

† The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.