

# Rook® 350

3.5" Square Pendants, Dim-to-Warm



PROJECT:

TYPE:

## Features

Add ambiance to any hospitality, residential, retail or commercial space. Amerlux Rook Pendant Dim-To-Warm option offers a lower kelvin temperature as you dim the lights. An adaptable light source in a cost-effective, solid state lighting package. The Dim-To-Warm option can tap into the powerful mediums of light and color to enhance the experience, well-being, and human emotion. Amerlux Dim-To-Warm allows designers to simulate the familiar glow and dimming of incandescent lamps.

## Product Overview

Type: Square Pendant  
 Wattage: 13W  
 Color Temp: 3000K to 1800K  
 CRI: 95 typ.  
 Dimming: TRIAC & ELV, 5% Dim, 120V/277VAC  
 0-10V, 1% dim, 120V/277VAC



## Certifications



## Fixture Summary

### Performance Data

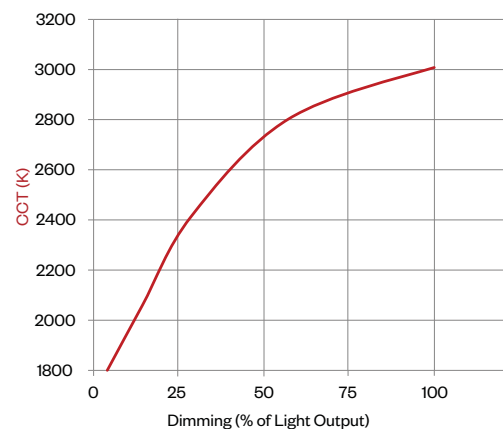
Watts	Delivered Lumens	LPW	CBCP	Color Temp-CRI
<b>Rook 350 RD</b>				
13	672	51.7	3179	3000K-95
<b>Rook 350 RLD</b>				
13	841	64.7	23890	3000K-95

### Electrical Data

13W		
Voltage	System Watts	Amps
120V	13	0.11
277V	13	0.05

Electronic constant current LED driver

### Dim-To-Warm CCT Curve



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## Ordering Information



1	Model	2	Wattage	3	Housing Finish
	RK350SD-DTW		13		MW matte white
	RK350SD-DTW-REMOTE <i>(remote driver)</i>				MB matte black
	RK350SLD-DTW <i>(lensed)</i>				SLV matte silver
	RK350SLD-DTW-REMOTE <i>(lensed, remote driver)</i>				

4	Mounting <i>(matches housing finish)</i>	Surface
	<u>Canopy/Cord</u>	<u>Surface</u>
	<b>CC4</b> canopy/cord, 4' nominal OAL, 120V-277V	<b>SM<sup>R</sup></b> surface mount, 120V-277V
	<b>CC8</b> canopy/cord, 8' nominal OAL, 120V-277V	<b>CDSM<sup>R</sup></b> conduit surface mount, 120V-277V
	<b>CC12</b> canopy/cord, 12' nominal OAL, 120V-277V	<u>Track/Cord</u> <i>(for use with LE/TE driver only)</i>
	<b>CDCC4</b> conduit canopy, 4' nominal OAL, 120V-277V	<b>TC8-TN1<sup>R</sup></b> straight cord 8', Global GES 1cir/H-Style, 120V
	<b>CDCC8</b> conduit canopy, 8' nominal OAL, 120V-277V	<b>TC8-TEK<sup>R</sup></b> straight cord 8', Global TEK 2cir/2neut, 120V
	<b>CDCC12</b> conduit canopy, 12' nominal OAL, 120V-277V	<b>TC8-TN3<sup>R</sup></b> straight cord 8', Global XTS 3cir, 120V
	<u>Stem</u>	<b>TC8-TN2<sup>R</sup></b> straight cord 8', Global HTEK 2cir/2neut, 277V
	<b>RS4</b> rigid stem, 4' nominal OAL, 120V-277V	<b>TC8-CT<sup>R</sup></b> straight cord 8', J-Style, 120V
	<b>RS8</b> rigid stem, 8' nominal OAL, 120V-277V	<b>TC8-LOL<sup>R</sup></b> straight cord 8', L-Style 1cir, 120V
	<b>SS4<sup>R</sup></b> swivel stem, 4' nominal OAL, 120V-277V	
	<b>SS8<sup>R</sup></b> swivel stem, 8' nominal OAL, 120V-277V	
	<b>CDRS4</b> conduit rigid stem, 4' nominal OAL, 120V-277V	
	<b>CDRS8</b> conduit rigid stem, 4' nominal OAL, 120V-277V	
	<sup>R</sup> Not available for use with remote driver. Consult factory for conduit mounting pricing. Cord and Stem mounts are field cuttable. For custom lengths, consult factory.	

5	Voltage	6	Trim Finish	7	Beam Spread <i>(not applicable on RK350RLW)</i>
	120*		MW matte white		<u>RK350RD</u> <u>RK350RLD</u>
	277*		MB matte black		<b>VNF</b> very narrow flood, 18° <b>30SOL</b> 30° solite lens
	120-277		SLV matte silver		<b>MFL</b> medium flood, 24° <b>50SOL</b> 50° solite lens
	<i>* For use with track/cord mounting options.</i>				<b>FL</b> flood, 28° <b>65SOL</b> 65° solite lens
					<b>WF</b> wide flood, 45°

8	Color Temp	9	Driver
	95 CRI		<b>LE/TE</b> TRIAC/ELV dimming, 5% dim
	309 3000K-95		<b>0-10V</b> 0-10V dimming, 1% dim

# Rook® 350

3.5" Square Pendants, Dim-to-Warm



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## Specifications

### Application

Retail and commercial ambient/task lighting

### Construction

Extruded aluminum pendant housing  
Die-cast trim  
Extruded aluminum heat sink

### Optical

RK350SD Beam Spreads:

Very Narrow Flood, 18°; Medium Flood, 24°; Flood, 35°;  
Wide Flood, 44°

RK350SLD Beam Spreads:

**Solite Lens** for maximum efficacy and a visually quieter aperture. 30°,  
50° & 65° beam spread options. Visually best with SLV reflector finish.

RK350RLW: Engineered nano technology lens provides high  
transmission while concealing LED image.

### LED

Color Temp Options: 3000K (*Dims to 1800K*)

CRI: 95 typ. ( $\pm 3$  across dimming range)

R9 Values: 85

Binning: 3 MacAdam (*SDCM*)

Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs

### Electrical

Wattage: 13W

Electronic constant current LED driver, 120V-277V 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.**

### Drivers

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

0-10V and Lutron also available

See pages 9-10 for more dimming information

### Finish

Powder coat paint

Consult factory for custom finishes

### Mounting

Canopy/cord, rigid stem, swivel stem (*not available for use with remote  
driver*) or surface mounting (*not available for use with remote driver*)

Conduit mounting also available (*see pg 4 for details*).

Overall length (*OAL*) is field adjustable and factory set at  $\pm 2"$  of nominal  
value.

Straight cord track mounting also available.

### Certifications

CSA tested to UL standards

Indoor use only

Damp location

### Warranty

5 year limited warranty

# Rook® 350

3.5" Square Pendants, Dim-to-Warm

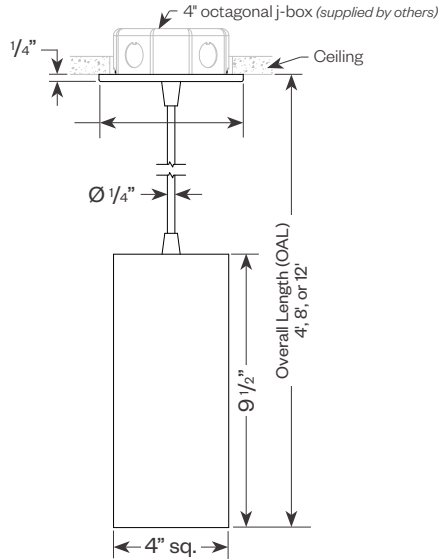


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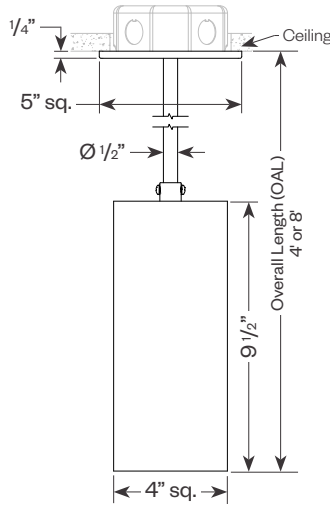
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## Product Details

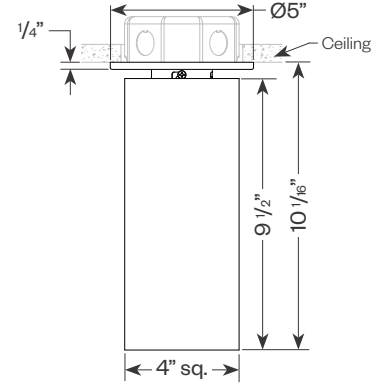
### Canopy/Cord Mounting



### Rigid Stem Mounting

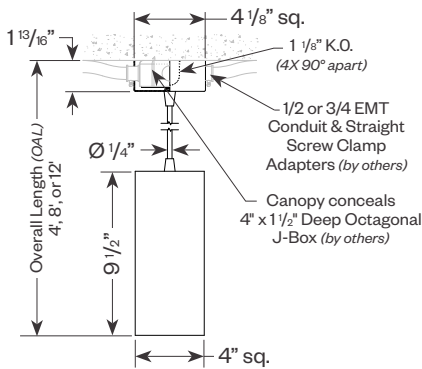


### Surface Mounting

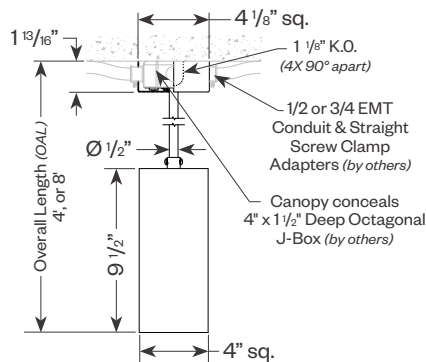


Ceiling Cut Out: Ø4 1/4"

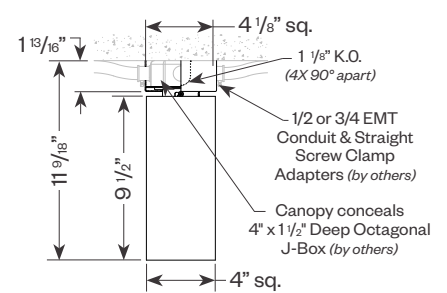
### Conduit Canopy/Cord Mounting



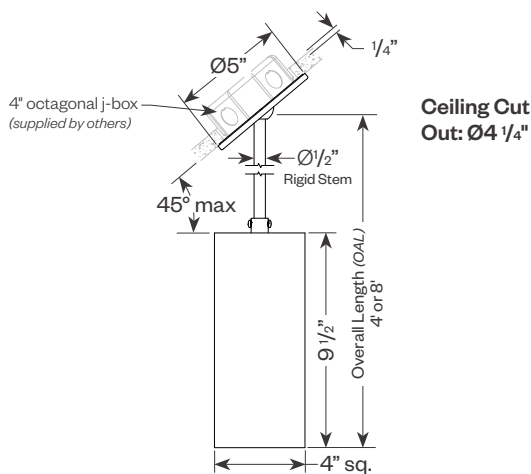
### Conduit Rigid Stem Mounting



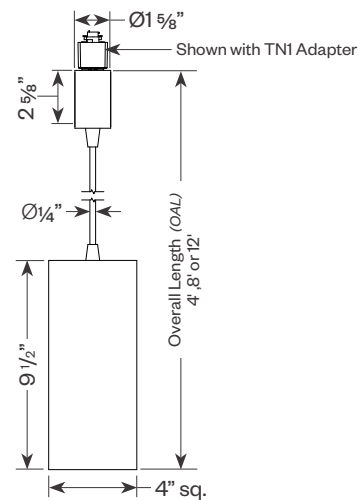
### Conduit Surface Mounting



### Swivel Stem Mounting



### Straight Cord Track Mounting



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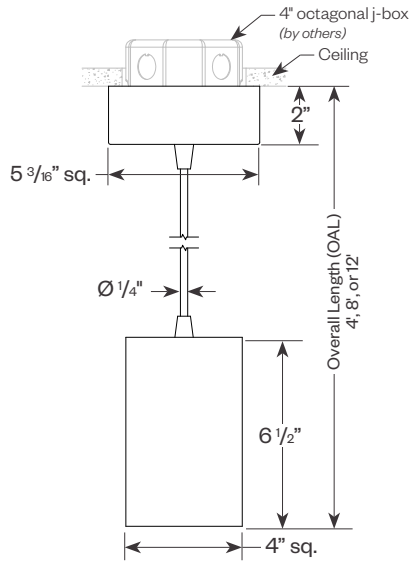


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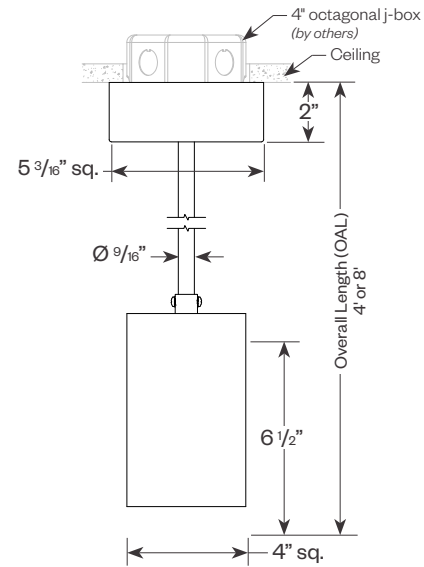
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## Product Details (continued)

### Remote Driver Canopy/Cord Mounting

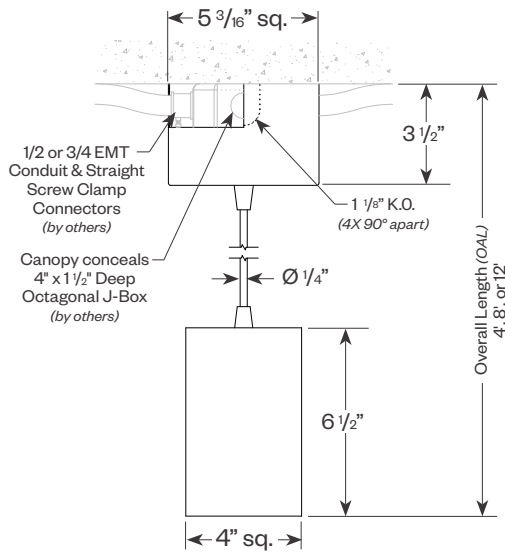


### Remote Driver Rigid Stem Mounting

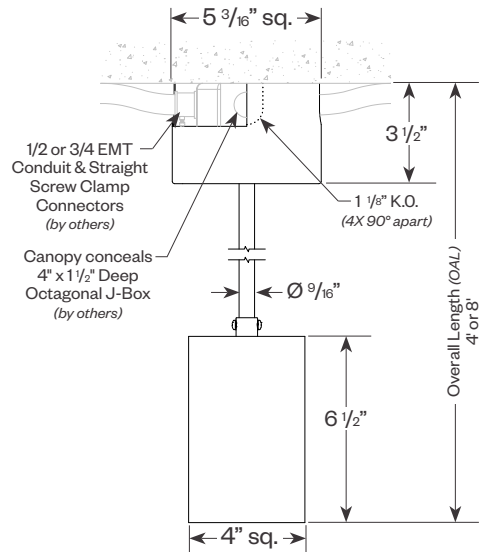


Ceiling Cut Out: Ø 4 1/4"

### Remote Driver Conduit Canopy/Cord Mounting



### Remote Driver Conduit Rigid Stem Mounting



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PROJECT:

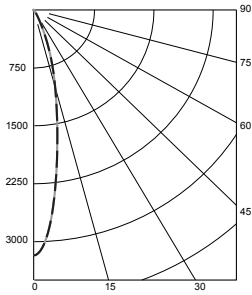
TYPE:

## Performance Data - RK350SD-DTW/RK350SD-DTW-REMOTE

(Complete photometric data (.ies format) available on website)

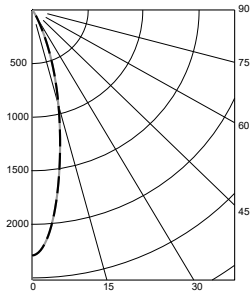
13W, 3000K-95

**Very Narrow Flood (VNF)**  
Distribution, 18°  
LTL #11919582.12  
Lumens: 672



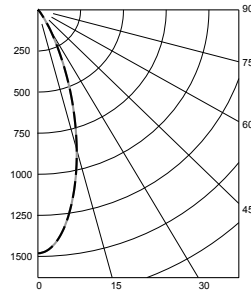
Candelas at Nadir	
Deg	Candela
0	3179
5	2638
15	1030
25	252
35	43
45	10

**Medium Flood (MFL)**  
Distribution, 25°  
LTL #11919582.13  
Lumens: 609



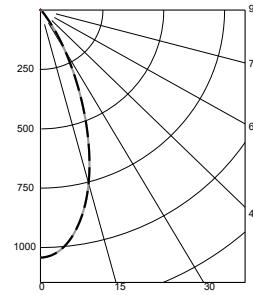
Candelas at Nadir	
Deg	Candela
0	2291
5	2024
15	942
25	267
35	50
45	11

**Flood (FL)**  
Distribution, 35°  
LTL #11919582.14  
Lumens: 582



Candelas at Nadir	
Deg	Candela
0	1481
5	1395
15	882
25	331
35	63
45	13

**Wide Flood (WF)**  
Distribution, 45°  
LTL #11919582.15  
Lumens: 540



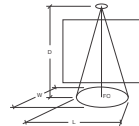
Candelas at Nadir	
Deg	Candela
0	1042
5	1007
15	751
25	359
35	85
45	15

## Application Data - RK350SD-DTW/RK350SD-DTW-REMOTE



0° Aiming Angle  
Horizontal  
Footcandles

	D	FC	L	W
Very Narrow Flood	5.0'	122	1.8	1.8
	7.5'	55	2.9	2.9
	10.0'	31	3.7	3.7
	12.5'	20	4.6	4.6
Medium Flood	5.0'	88	2.3	2.3
	7.5'	40	3.3	3.3
	10.0'	23	4.4	4.4
	12.5'	15	5.5	5.5
Flood	5.0'	57	3.0	3.0
	7.5'	26	4.4	4.4
	10.0'	15	5.7	5.7
	12.5'	9	7.2	7.2
Wide Flood	5.0'	40	3.4	3.4
	7.5'	18	5.1	5.1
	10.0'	10	6.9	6.9
	12.5'	7	8.5	8.5



**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).

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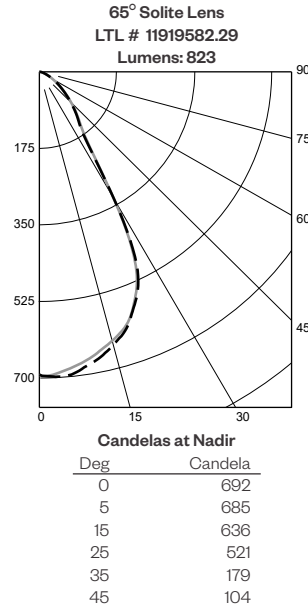
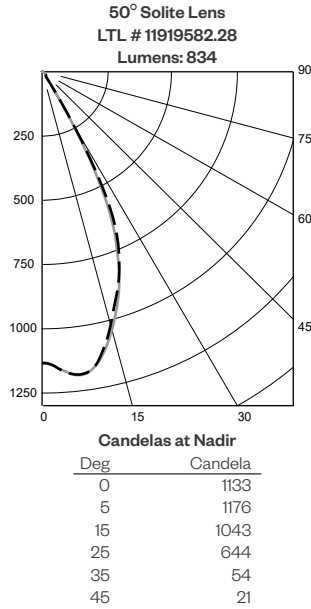
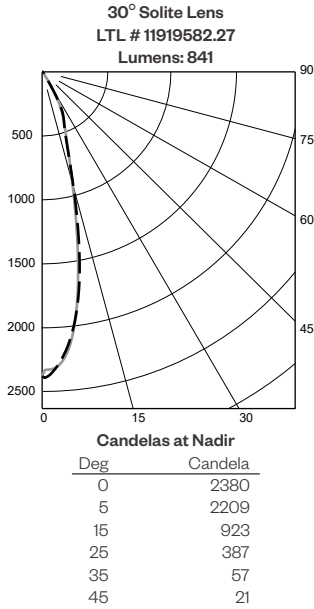
PROJECT:

TYPE:

## Performance Data - RK350SLD-DTW/RK350SLD-DTW-REMOTE

(Complete photometric data (.ies format) available on website)

13W, 3000K-95

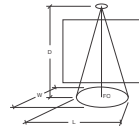


## Application Data - RK350SLD-DTW/RK350SLD-DTW-REMOTE



0° Aiming Angle  
Horizontal  
Footcandles

	0° Aiming Angle Horizontal Footcandles			
	D	FC	L	W
30° Solite Lens	5.0'	96	2.3	2.4
	7.5'	43	3.3	3.4
	10.0'	24	4.4	4.6
	12.5'	15	5.5	5.6
50° Solite Lens	5.0'	46	4.3	4.3
	7.5'	21	6.4	6.4
	10.0'	12	8.4	8.4
	12.5'	8	10.5	10.6
65° Solite Lens	5.0'	28	4.8	4.8
	7.5'	13	7.4	7.4
	10.0'	7	10.1	10.1
	12.5'	5	12.7	12.7



**Notes and Definitions:**

Beam spread is to 50% center beam candlepower (CBCP).

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3.5" Square Pendants, Dim-to-Warm



PROJECT:

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## Dimming Compatibility

Amerlux® Rook® 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 ---

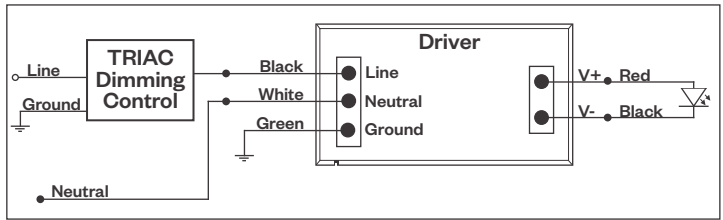
### TRIAC (Forward Phase) Dimming

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"	

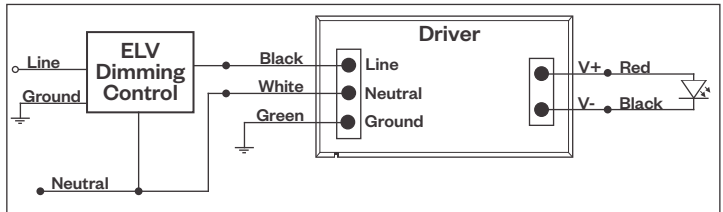
### ELV - Electronic Low Voltage (Reverse Phase) Dimming

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.



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3.5" Square Pendants, Dim-to-Warm



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## Dimming Compatibility *(continued)*

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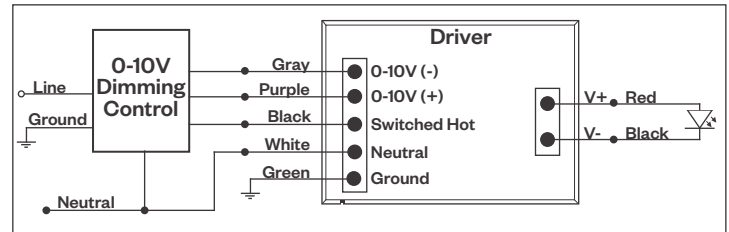
### 0-10V DIMMING

Integrates into a variety of building management and daylighting controls

**Notes:**

- 120VAC or 277VAC\*
- Dims down to 1% light output
- Requires interface to turn off power to driver
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**

### 0-10V Wiring Diagram



**Compatible Dimmers†:**

Wall Box		Central System
Lutron "Diva" - DVSTV	Leviton Renoir II 0-10V	Lutron Grafik Eye with GRX-TVI Interface

**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.