

Rook® 350

3.5" Square Pendants



PROJECT:

TYPE:

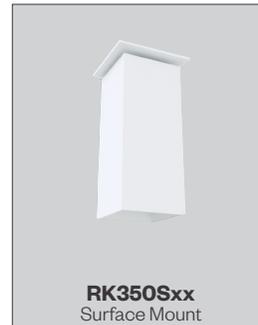
Features

High style, yet also versatile. Spare and modern, yet warm and welcoming. This striking Rook 350 re-imagines the Hornet HP Downlight line in a popular new pendant form. It's a fabulous solution for open ceilings, with the same aperture and drivers as Hornet HP Downlights—and yet its own distinctive style shines through. Rook 350 Pendant. Simply stunning.



Product Overview

Type: Square Pendant
 Wattage: SD: 11W, 16W, 18W
 SLD: 14W, 21W
 Color Temp: 2200K, 2700K, 3000K, 3500K, 4000K
 CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)
 90+ typ. (2200K, 2700K, 3000K, 3500K, 4000K)
 CrispWhite & Class A LEDs available
 Dimming: TRIAC & ELV, 5% Dim, 120/277VAC
 Lutron LDE1 Hi-lume® 1% Soft-On/Fade-to-Black, 120V/277VAC
 0-10V, 1% dim, 120V/277VAC



Certifications



Fixture Summary

Performance Data

Watts	Delivered Lumens	LPW	CBCP	Color Temp-CRI
Rook 350 SD				
11	796	72.4	7627	3000K-83
16	1162	72.6	11,128	3000K-83
18	1305	72.5	12,503	3000K-83
Rook 350 SLD				
14	1429	102	2025	3000K-83
21	2133	101.6	3023	3000K-83

Data is based on 3000K-83 120V IES files available on website.
 See pages 6-8 for data on other beam spreads.

Electrical Data

	Rook 350 SD						Rook 350 SLD			
	11W		16W		18W		14W		21W	
Voltage	System Watts	Amps								
120V	11	0.09	16	0.13	18	0.15	14	0.12	21	0.18
277V	11	0.04	16	0.06	18	0.06	14	0.05	21	0.08

Electronic constant current LED driver

Rook® 350

3.5" Square Pendants



PROJECT:

TYPE:

Ordering Information

1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

1 Model	2 Wattage	3 Housing Finish
RK350SD	RK350SD RK350SLD	MW matte white
RK350SD-REMOTE (remote driver)	11 14	MB matte black
RK350SLD (lensed)	16 21	SLV matte silver
RK350SLD-REMOTE (lensed, remote driver)	18 ^o	
	^o Not available for use with CrispWhite color temp.	

4 Mounting (matches housing finish)	
<p>Canopy/Cord</p> <p>CC4 canopy/cord, 4' nominal OAL, 120V-277V</p> <p>CC8 canopy/cord, 8' nominal OAL, 120V-277V</p> <p>CC12 canopy/cord, 12' nominal OAL, 120V-277V</p> <p>CDCC4 conduit canopy, 4' nominal OAL, 120V-277V</p> <p>CDCC8 conduit canopy, 8' nominal OAL, 120V-277V</p> <p>CDCC12 conduit canopy, 12' nominal OAL, 120V-277V</p> <p>Stem</p> <p>RS4 rigid stem, 4' nominal OAL, 120V-277V</p> <p>RS8 rigid stem, 8' nominal OAL, 120V-277V</p> <p>SS4^R swivel stem, 4' nominal OAL, 120V-277V</p> <p>SS8^R swivel stem, 8' nominal OAL, 120V-277V</p> <p>CDRS4 conduit rigid stem, 4' nominal OAL, 120V-277V</p> <p>CDRS8 conduit rigid stem, 4' nominal OAL, 120V-277V</p> <p>^R 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.</p>	<p>Surface</p> <p>SM^R surface mount, 120V-277V</p> <p>CDSM^R conduit surface mount, 120V-277V</p> <p>Track/Cord (for use with LE/TE driver only)</p> <p>TC8-TN1^R straight cord 8', Global GES 1cir/H-Style, 120V</p> <p>TC8-TEK^R straight cord 8', Global TEK 2cir/2neut, 120V</p> <p>TC8-TN3^R straight cord 8', Global XTS 3cir, 120V</p> <p>TC8-TN2^R straight cord 8', Global HTEK 2cir/2neut, 277V</p> <p>TC8-CT^R straight cord 8', J-Style, 120V</p> <p>TC8-LOL^R straight cord 8', L-Style 1cir, 120V</p>

5 Voltage	6 Trim Finish	7 Beam Spread
120*	MW matte white	RK350SD RK350SLD
277*	MB matte black	SP spot, 15° 30SOL 30° solite lens
120-277	SLV matte silver	NF narrow flood, 20° 50SOL 50° solite lens
* For use with track/cord mounting options.		MFL medium flood, 24° 65SOL 65° solite lens
		FL flood, 28° 75SAT 75° satin ice lens
		WF wide flood, 45°
		VWF very wide flood, 60°
		LS linear spread, 60°x10°

8 Color Temp	9 Driver
83 CRI 90+ CRI	LE/TE TRIAC/ELV dimming, 5% dim
27 2700K-83 279 2700K-90+ CRISP ⁺ CrispWhite	O-10V 0-10V dimming, 1% dim
30 3000K-83 309 3000K-90+ 3CLA 3K Class A	HILUME-H-ECO Lutron LDE1 Hi-lume®
35 3500K-83 359 3500K-90+	1% Soft-On/Fade-to-Black
40 4000K-83 409 4000K-90+	
* Not available for 18W SD model	

Rook® 350

3.5" Square Pendants



PROJECT:

TYPE:

Specifications

Application

Retail and commercial ambient/task lighting

Construction

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

Optical

RK350SD Beam Spreads:

Spot, 15°; Narrow Flood, 22°; Medium Flood, 25°; Flood, 28°;
Wide Flood, 45°; Very Wide Flood, 60°; Linear Spread, 60° x 10°

RK350SLD Beam Spreads:

Satin Ice Lens for maximum source concealment and wide distribution with a visually "hotter" aperture. 75° beam spread.

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

LED

Color Temp Options: 2200K, 2700K, 3000K, 3500K, 4000K

CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)

90+ typ. (2200K, 2700K, 3000K, 3500K, 4000K)

CrispWhite* LED available (16W max RD version)

Class A** 3000K LED available

R9 Values: 11 (83 CRI), 55 (92 CRI)

Binning: 3 MacAdam (SDCM)

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

* **CrispWhite:** CrispWhite Technology delivers the warmth of colors expected from a high 90 CRI solution but also creates the natural crisp white color that is pleasing to the eye. It creates the most impactful lighting ever available, by revealing the richest whites and vibrant colors that pop.

** **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.

Electrical

Wattage: 11W, 16W, 18W (SD version) or 14W, 21W (SLD version)

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 8-9 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

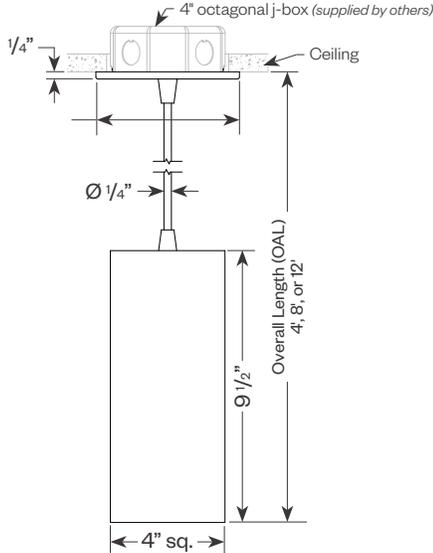


PROJECT:

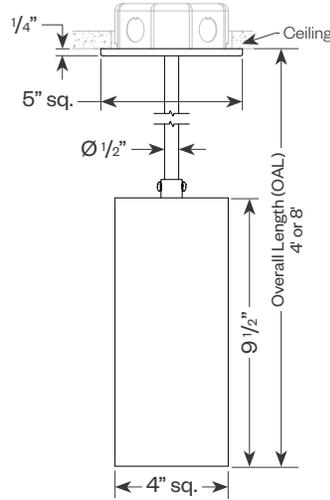
TYPE:

Product Details

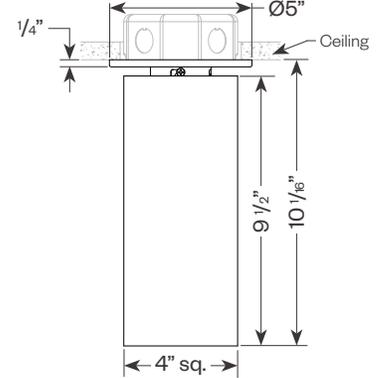
Canopy/Cord Mounting



Rigid Stem Mounting

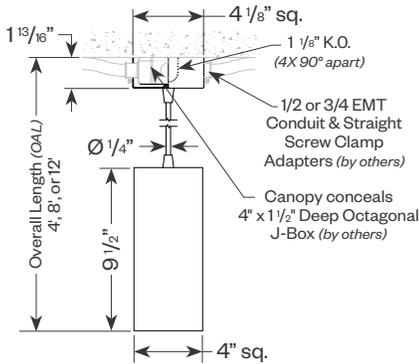


Surface Mounting

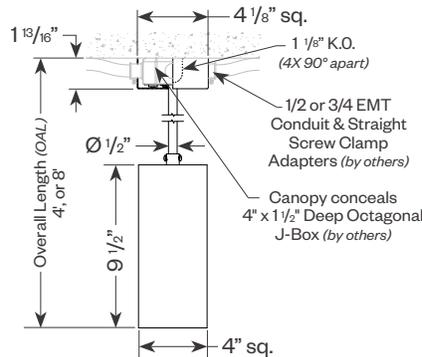


Ceiling Cut Out: Ø4 1/4"

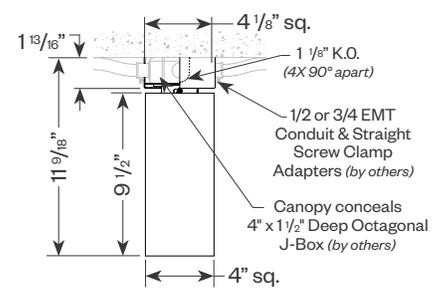
Conduit Canopy/Cord Mounting



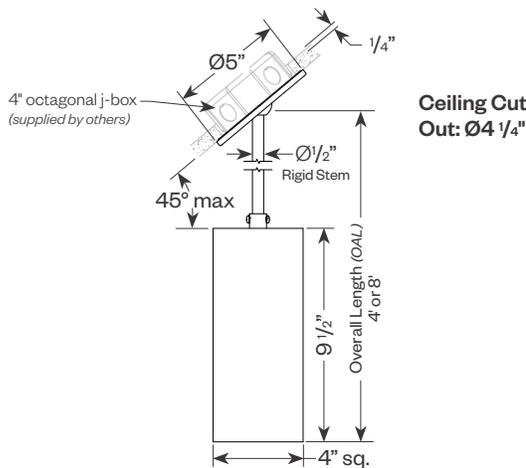
Conduit Rigid Stem Mounting



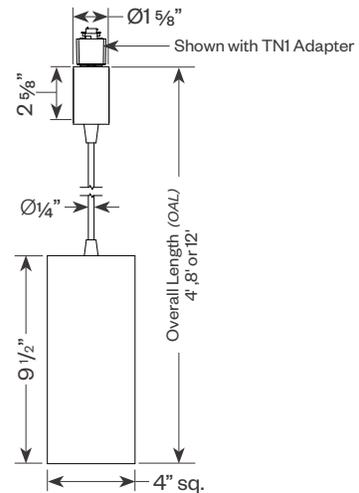
Conduit Surface Mounting



Swivel Stem Mounting



Straight Cord Track Mounting



Rook® 350

3.5" Square Pendants

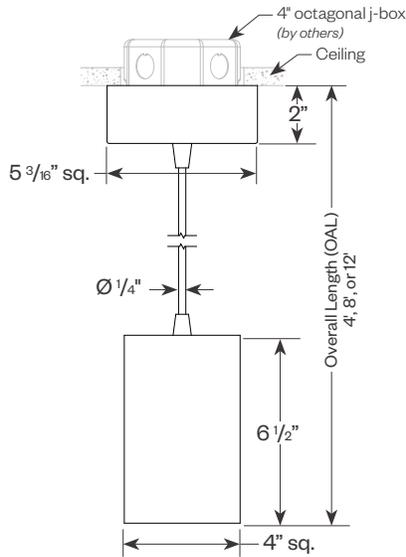


PROJECT:

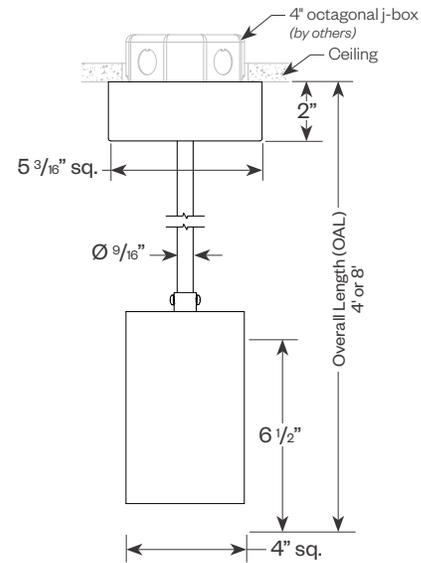
TYPE:

Product Details (continued)

Remote Driver Canopy/Cord Mounting

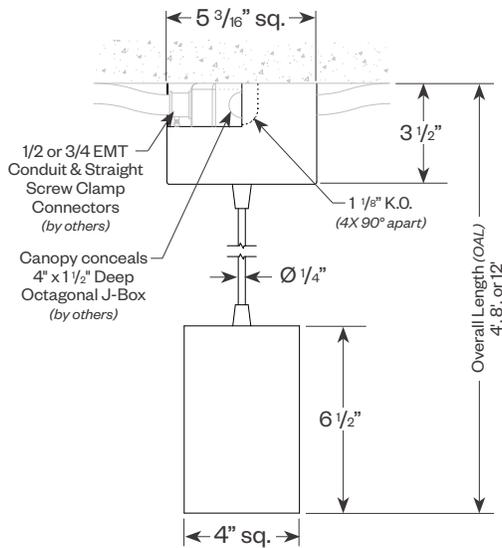


Remote Driver Rigid Stem Mounting

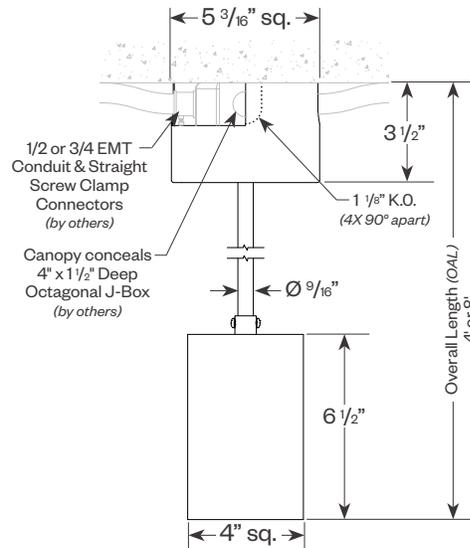


Ceiling Cut Out: Ø 4 1/4"

Remote Driver Conduit Canopy/Cord Mounting



Remote Driver Conduit Rigid Stem Mounting



Rook® 350

3.5" Square Pendants



PROJECT:

TYPE:

Performance Data - RK350SD/RK350SD-REMOTE

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

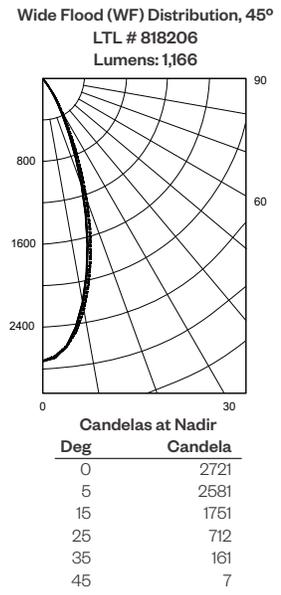
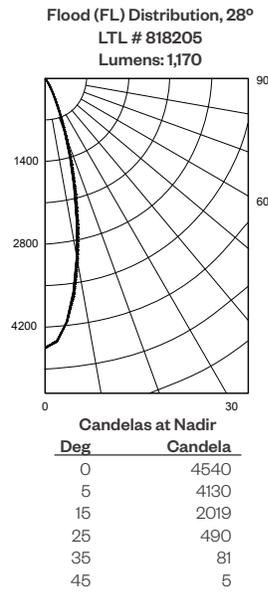
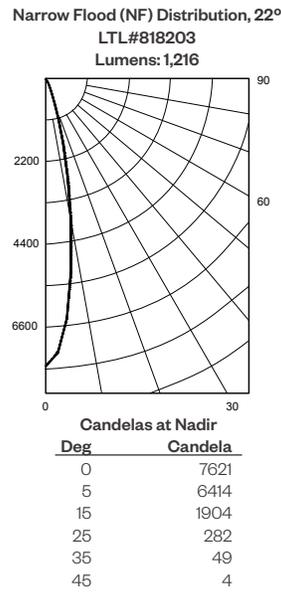
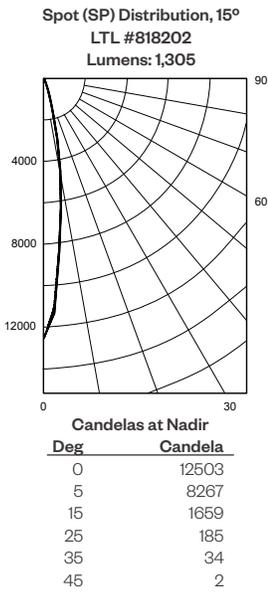
OCT:	2700K-83	3000K-83	3500K-83	4000K-83
Factor:	0.96	1.0	1.02	1.04

Wattage:	11W	16W	18W
Factor:	0.61	0.89	1.0

OCT:	2200K-90+	2700K-90+	3000K-90+	3500K-90+	4000K-90+	CRISP*	3CLA
Factor:	0.71	0.80	0.83	0.87	0.90	0.65	0.75

* Not available for use with 18W

18W, 3000K-83



Application Data - RK350SD/RK350SD-REMOTE



0° Aiming Angle
Horizontal
Footcandles

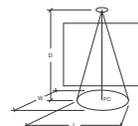
	D	FC	L	W
	5.0'	290	1.9	1.9
7.5'	161	2.6	2.6	
10.0'	101	3.1	3.1	
12.5'	69	3.7	3.7	

Spot	D	FC	L	W
	5.0'	290	1.9	1.9
7.5'	161	2.6	2.6	
10.0'	101	3.1	3.1	
12.5'	69	3.7	3.7	

Narrow Flood	D	FC	L	W
	5.0'	219	2.2	2.2
7.5'	114	3.0	3.0	
10.0'	69	3.8	3.8	
12.5'	45	4.7	4.7	

Flood	D	FC	L	W
	5.0'	141	2.7	2.7
7.5'	70	3.7	3.7	
10.0'	42	4.9	4.9	
12.5'	27	6.0	6.0	

Wide Flood	D	FC	L	W
	5.0'	97	3.3	3.3
7.5'	46	4.8	4.8	
10.0'	26	6.3	6.3	
12.5'	17	7.7	7.7	



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).

Rook® 350

3.5" Square Pendants



PROJECT:

TYPE:

Performance Data - RK350SLD/RK350SLD-REMOTE

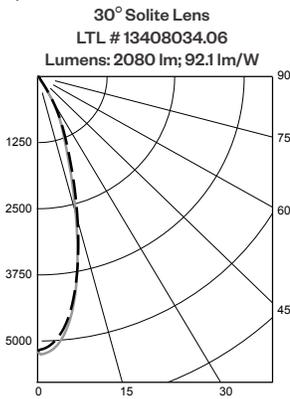
Multiplying Factors: (Multiplying Factor is based on 3000K-83 120V IES file on website)

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

Wattage:	14W	21W
Factor:	0.67	1.0

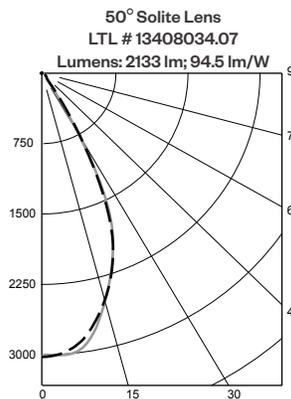
OCT:	2200K-90+	2700K-90+	3000K-90+	3500K-90+	4000K-90+	CRISP*	3CLA
Factor:	0.71	0.80	0.83	0.87	0.90	0.65	0.75

21W, 3000K-83



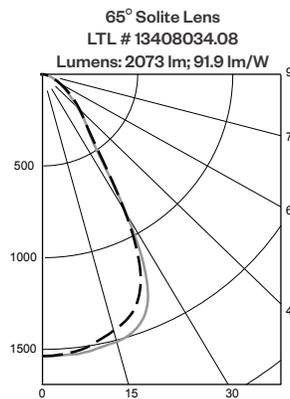
Candelas at Nadir

Deg	Candela
0	5191
5	4959
15	2524
25	955
35	141
45	58



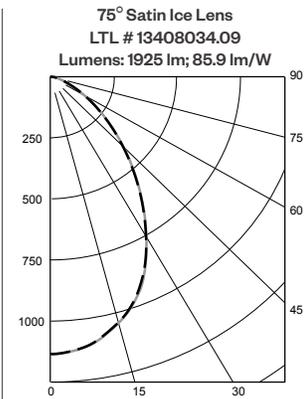
Candelas at Nadir

Deg	Candela
0	3023
5	3010
15	2495
25	1604
35	180
45	66



Candelas at Nadir

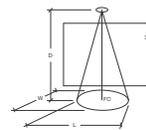
Deg	Candela
0	1537
5	1535
15	1509
25	1305
35	479
45	267



Candelas at Nadir

Deg	Candela
0	1135
5	1125
15	1043
25	880
35	636
45	410

Application Data - RK350SLD/RK350SLD-REMOTE



Notes and Definitions:

- Beam spread is to 50% center beam candlepower (CBCP).
- D=Distance to floor or wall.
- FC=Footcandle 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).



D	FC	L	W
5.0'	208	2.6	2.6
7.5'	93	3.7	3.8
10.0'	52	5.0	5.2
12.5'	34	6.3	6.4



D	FC	L	W
5.0'	122	4.1	4.1
7.5'	54	6.1	6.1
10.0'	31	8.2	8.2
12.5'	20	10.3	10.2



D	FC	L	W
5.0'	62	5.2	5.1
7.5'	28	7.9	7.7
10.0'	16	10.6	10.4
12.5'	10	13.4	13.2



D	FC	L	W
5.0'	44	5.5	5.5
7.5'	20	8.1	8.1
10.0'	12	10.9	10.9
12.5'	8	14.1	14.0

Rook® 350

3.5" Square Pendants



PROJECT:

TYPE:

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 ---

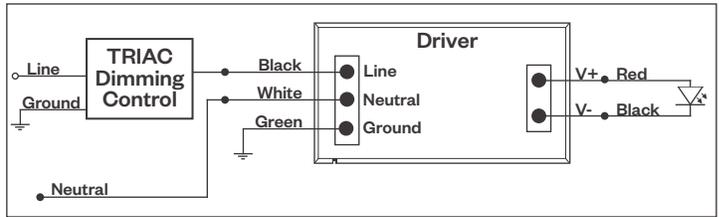
TRIAC (Forward Phase) Dimming

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"	

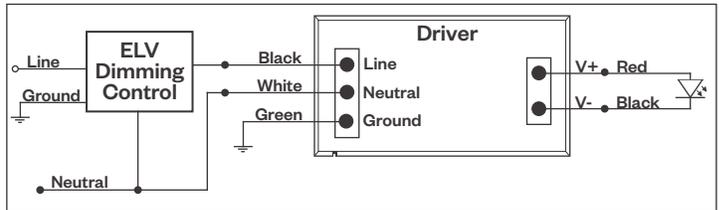
ELV - Electronic Low Voltage (Reverse Phase) Dimming

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.

Rook® 350

3.5" Square Pendants



PROJECT:

TYPE:

Dimming Compatibility *(continued)*

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 ---

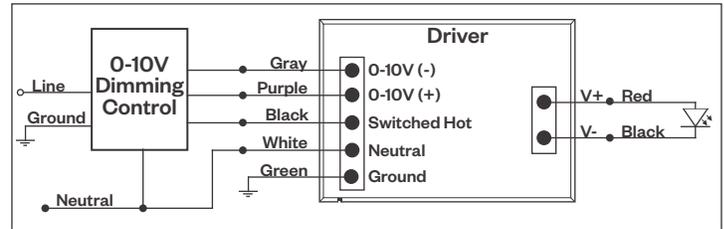
0-10V DIMMING

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	Lutron Grafik Eye with GRX-TVI Interface
Leviton Renoir II 0-10V	

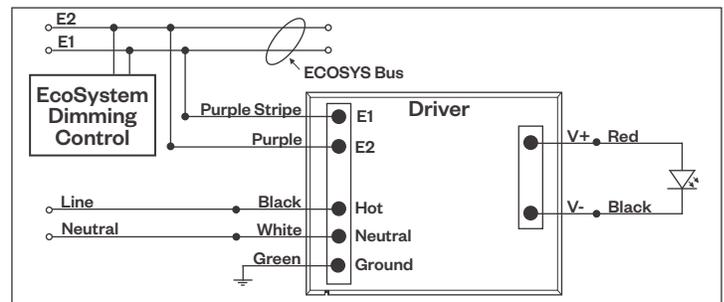
LUTRON LDE1 DIMMING

Integrates into Lutron EcoSystem building management

Notes:

- 120VAC or 277VAC*
- Dims down to 1% light output
- EcoSystem Control
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**

LDE1 (HILUME-H-ECO) EcoSystem Digital Control Wiring Diagram



Compatible Dimmers*:

Lutron ECO System	Central System
Pow Pak Dimming Modules	Lutron EcoSystem compatible controls
Energj Savr Node	
Grafik Eye QS/Homeworks	
QS Control Unit	
Quantum Hub	
Homeworks QS/My Room	

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.