

# Rook® 350

3.5" Round Wall Mount  
Direct or Indirect



## Direct



## Features

The contemporary Rook 350 Direct or Indirect Wall Mount is universal allowing the fixture to be mounted as a Direct or Indirect luminaire, just by flipping its orientation. Rook 350 has the same optical performance as our Hornet 3.5" Downlights. With only a 3.5" aperture the Rook 350 can be used to add visual interest to walls or columns. The Rook 350 cylinder family is available as a pendant, surface or wall mount allowing it to fit in any retail, hospitality or commercial environment.

## Product Overview

**Type:** Round Wall Mount, Direct or Indirect  
(Field changeable to indirect orientation)

**Wattage:** 11, 16 (R350WR) or 14, 21 (R350WRL)

**Color Temp:** 2200K, 2700K, 3000K, 3500K, 4000K, CRISP

**CRI:** 83 typ. (2700K, 3000K, 3500K, 4000K)  
90+ typ. (2200K, 2700K, 3000K, 3500K, 4000K)  
CrispWhite & Class A LED available

**Dimming:** TRIAC & ELV (120V/277V) - 5% Dim  
Lutron Hi-lume® H Series/EcoSystem - 1% dim with soft on, fade to black, 120V/277V  
0-10V (120V/277V) - 1% Dim

## PROJECT:

## Indirect



## TYPE:

## Performance Chart

Watts	Delivered Lumens	LPW	CBOP	Color Temp
<b>RK350WR</b>				
11	808	73.5	7,643	3000K-83
16	1,177	73.6	11,132	3000K-83
<b>RK350WRL</b>				
14	1,368	97.7	3,688	3000K-83
21	2,042	97.2	5,504	3000K-83

*Data is based on 3000K-83 IES files available on website  
See pages 5-6 for data on other beam spreads*

## Electrical Data

<b>RK350WR</b>				
	11W		16W	
	System Watts	Amps	System Watts	Amps
120V	11	0.09	16	0.13
277V	11	0.04	16	0.06
<b>RK350WRL</b>				
	14W		21W	
	System Watts	Amps	System Watts	Amps
120V	14	0.12	21	0.18
277V	14	0.05	21	0.08

*Electronic constant current LED driver*

## Max. Fixture Weights

Model	Weight (lbs)
RK350WR(L)-U	5.4
RK350WR(L)-U-REMOTE	4.0

*Remote driver & driver box are not included in weight*



# Rook® 350

3.5" Round Wall Mount, Direct or Indirect



## PROJECT:

## TYPE:

### Ordering Information



#### Open Unit

- 1** Model  
**RK350WR-U**  
**RK350WR-U-REMOTE** (remote driver)
  
- 2** Wattage  
**11**  
**16**
  
- 3** Housing Finish  
**MW** - matte white  
**MB** - matte black  
**SLV** - matte silver
  
- 4** Mounting\* (matches housing finish)  
**WM** - wall mount  
**CWM** - canopy wall mount  
**CDWM** - conduit canopy wall mount
  
- 5** Voltage  
**120-277**
  
- 6** Trim Finish  
**MW** - matte white  
**MB** - matte black  
**SLV** - matte silver
  
- 7** Beam Spread  
**SP** - spot, 15°  
**NF** - narrow flood, 20°  
**MFL** - medium flood, 24°  
**FL** - flood, 28°  
**WF** - wide flood, 45°  
**VWF** - very wide flood, 60°  
**LS** - linear spread, 60°x10°
  
- 8** Color Temp  

<b>83 CRI</b>	<b>90+ CRI</b>	
<b>27</b> - 2700K-83	<b>229</b> - 2200K-90+	<b>CRISP</b> - CrispWhite
<b>30</b> - 3000K-83	<b>279</b> - 2700K-90+	<b>3CLA</b> - 3K Class A
<b>35</b> - 3500K-83	<b>309</b> - 3000K-90+	
<b>40</b> - 4000K-83	<b>359</b> - 3500K-90+	
	<b>409</b> - 4000K-90+	
  
- 9** Driver  
**LE/TE** - TRIAC/ELV dimming, 5% dim  
**O-10V** - 0-10V dimming; 1% dim  
**HILUME-H-ECO** - Lutron Hi-lume® H Series, EcoSystem,  
 1% dim with soft on, fade to black

#### Lensed Unit

- 1** Model  
**RK350WRL-U** (Lensed)  
**RK350WRL-U-REMOTE** (Lensed, remote driver)
  
- 2** Wattage  
**14**  
**21**
  
- 3** Housing Finish  
**MW** - matte white  
**MB** - matte black  
**SLV** - matte silver
  
- 4** Mounting\* (matches housing finish)  
**WM** - wall mount  
**CWM** - canopy wall mount  
**CDWM** - conduit canopy wall mount
  
- 5** Voltage  
**120-277**
  
- 6** Trim Finish  
**MW** - matte white  
**MB** - matte black  
**SLV** - matte silver
  
- 7** Beam Spread  
**30SOL** - 30° solite lens  
**50SOL** - 50° solite lens  
**65SOL** - 65° solite lens  
**75SAT** - 75° satin ice lens
  
- 8** Color Temp  

<b>83 CRI</b>	<b>90+ CRI</b>	
<b>27</b> - 2700K-83	<b>229</b> - 2200K-90+	<b>CRISP</b> - CrispWhite
<b>30</b> - 3000K-83	<b>279</b> - 2700K-90+	<b>3CLA</b> - 3K Class A
<b>35</b> - 3500K-83	<b>309</b> - 3000K-90+	
<b>40</b> - 4000K-83	<b>359</b> - 3500K-90+	
	<b>409</b> - 4000K-90+	
  
- 9** Driver  
**LE/TE** - TRIAC/ELV dimming, 5% dim  
**O-10V** - 0-10V dimming; 1% dim  
**HILUME-H-ECO** - Lutron Hi-lume® H Series, EcoSystem,  
 1% dim with soft on, fade to black

\* Note: Indirect Mounting Kit provided with all fixtures to mount fixture for uplighting.

# Rook® 350

3.5" Round Wall Mount, Direct or Indirect



## PROJECT:

## TYPE:

### Specifications

#### Application

Commercial, hospitality and retail ambient/accent wall mounted fixtures.

#### Construction

Extruded aluminum housing  
Die-cast trim  
Extruded aluminum heat sink  
Fixture shipped with dust cover for use when fixture is used as indirect

#### Optical

##### RK350WR Beam Spreads:

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

##### RK350WRL 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  
Class A\*\* 3000K LED available

**R9 Values:** 11 (83 CRI), 55 (90+ 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:** 11, 16 (RK350WR) or 14, 21 (RK350WRL)

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.**

**For emergency:** Remote EM inverter or emergency circuit by others

**Remote Driver Wiring:** Drivers are supplied installed in remote driver box, with 15' of low voltage plenum rated cable. Amerlux recommends a maximum of 15' between the fixture and the remote driver box. Consult factory with job specific electrical spec if more than 15' is required.

#### Drivers

LE/TE - Leading Edge, TRIAC, forward phase/Trailing Edge, ELV, reverse phase

0-10V and Lutron also available see ordering page

#### Finish

Powder coat paint

*Consult factory for custom finishes*

#### Mounting

Wall mounted (direct orientation), see options on pg 4

**Note: For Indirect orientation, use the INDIRECT MOUNTING KIT**

- Flip the mounting bracket

- Mount the Dust cover provided in kit

- Mounting bracket & design symmetrically centered

#### Certifications

CSA tested to UL standards

Indoor use only

Damp location

#### Warranty

5 year limited warranty

# Rook® 350

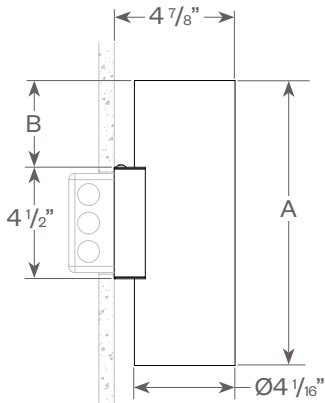
3.5" Round Wall Mount, Direct or Indirect



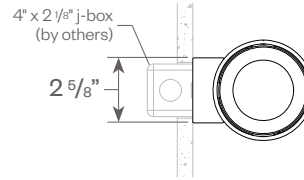
## PROJECT:

## TYPE:

### Wall Mount

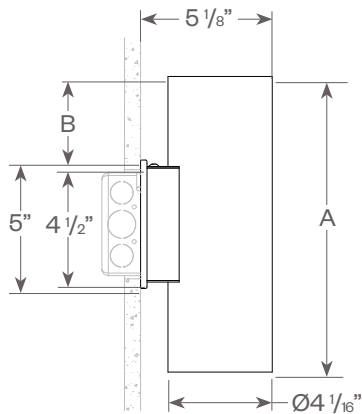


Wall Mount Fixtures are capable of being flipped to indirect. Dust cover provided with fixture for indirect orientation.

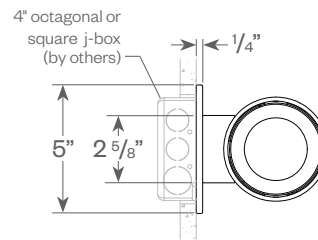


Fixture	A	B
RK350W(R/RL)	11 1/2"	3 1/2"
RK350W(R/RL)-REMOTE	6 1/2"	1"

### Canopy Wall Mount

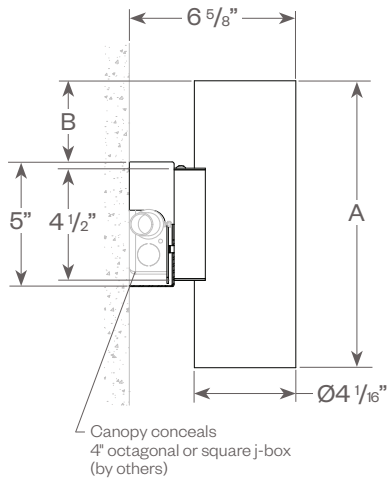


Canopy Wall Mount Fixtures are capable of being flipped to indirect. Dust cover provided with fixture for indirect orientation.

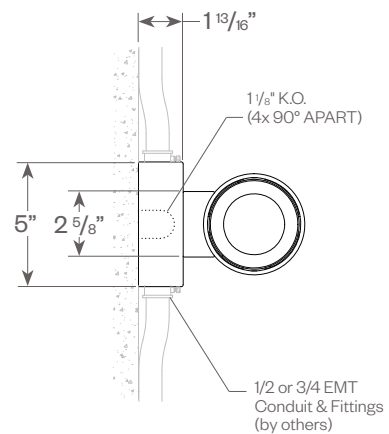


Fixture	A	B
RK350W(R/RL)	11 1/2"	3 1/4"
RK350W(R/RL)-REMOTE	6 1/2"	3/4"

### Conduit Canopy Wall Mount

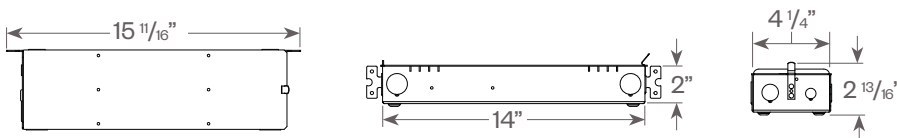


Canopy Wall Mount Fixtures are capable of being flipped to indirect. Dust cover provided with fixture for indirect orientation.



Fixture	A	B
RK350W(R/RL)	11 1/2"	3 1/4"
RK350W(R/RL)-REMOTE	6 1/2"	3/4"

### Remote Driver Box



Drivers are supplied installed in remote driver box, with 15' of low voltage plenum rated cable. Amerlux recommends a maximum of 15' between the fixture and the remote driver box. Consult factory with job specific electrical spec if more than 15' is required.

# Rook® 350

3.5" Round Wall Mount, Direct or Indirect



## PROJECT:

## TYPE:

### RK350WR

**FIXTURE DATA:** (Complete photometric data (.ies format) available upon request)

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

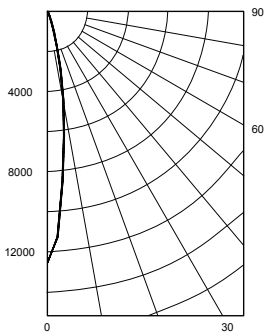
Wattage:	11W	16W
Factor:	0.69	1.0

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

CCT:	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

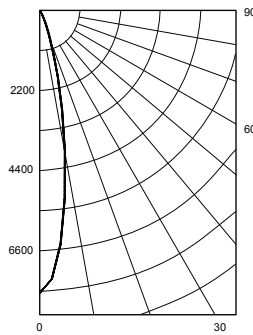
### 16W LED, 3000K-83

**Spot (SP) Distribution, 15°**  
Lumens: 1,177



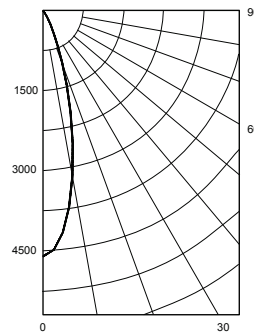
Candelas at Nadir	
Deg	Candela
0	11,132
5	7561
15	1561
25	169
35	28
45	3

**Narrow Flood (NF) Distribution, 22°**  
Lumens: 1,100



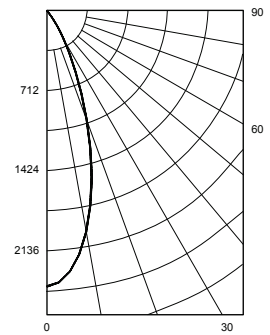
Candelas at Nadir	
Deg	Candela
0	6883
5	3051
15	1661
25	247
35	40
45	4

**Flood (FL) Distribution, 28°**  
Lumens: 1,055



Candelas at Nadir	
Deg	Candela
0	4086
5	3710
15	1750
25	418
35	64
45	4

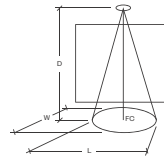
**Wide Flood (WF) Distribution, 45°**  
Lumens: 1,000



Candelas at Nadir	
Deg	Candela
0	2448
5	2326
15	1530
25	602
35	126
45	6

### Application Data:

	0° Aiming Angle Horizontal Footcandles			
	D	FC	L	W
Spot	5.0'	260	1.9	1.9
	7.5'	145	2.6	2.6
	10.0'	91	3.2	3.2
	12.5'	61	3.7	3.7
Narrow Flood	5.0'	206	2.1	2.1
	7.5'	107	2.9	2.9
	10.0'	63	3.7	3.7
	12.5'	42	4.6	4.6
Flood	5.0'	134	2.7	2.7
	7.5'	66	3.6	3.6
	10.0'	38	4.8	4.8
	12.5'	25	5.8	5.8
Wide Flood	5.0'	86	3.2	3.2
	7.5'	41	4.6	4.6
	10.0'	24	6.1	6.1
	12.5'	15	7.5	7.5



#### 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).

**CB**=Distance across or down to center beam location.

# Rook® 350

3.5" Round Wall Mount, Direct or Indirect



## PROJECT:

## TYPE:

### RK350WRL

**FIXTURE DATA:** (Complete photometric data (.ies format) available upon request)

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

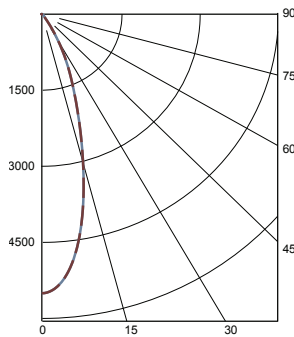
Wattage:	14W	21W
Factor:	0.67	1.0

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

CCT:	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 LED, 3000K

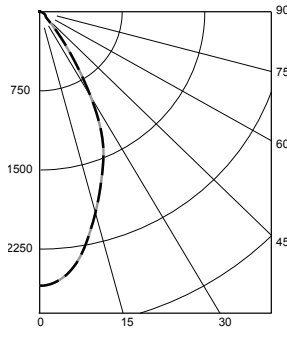
**30° Solite Lens**  
LTL # 13408034.01  
Lumens: 2042 lm; 90.5 lm/W



**Candelas at Nadir**

Deg	Candela
0	5504
5	5162
15	2877
25	1113
35	210
45	59

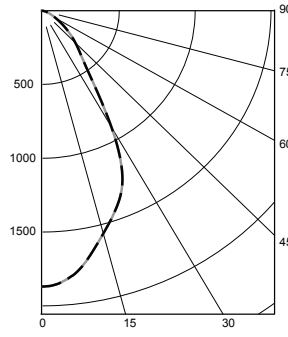
**50° Solite Lens**  
LTL # 13408034.02  
Lumens: 1923 lm; 85.2 lm/W



**Candelas at Nadir**

Deg	Candela
0	2597
5	2523
15	1960
25	1347
35	493
45	101

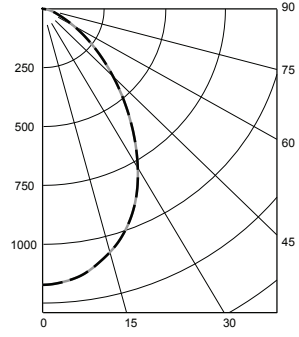
**65° Solite Lens**  
LTL # 13408034.03  
Lumens: 2027 lm; 89.9 lm/W



**Candelas at Nadir**

Deg	Candela
0	1869
5	1829
15	1554
25	1228
35	551
45	307

**75° Satin Ice Lens**  
LTL # 13408034.04  
Lumens: 1905 lm; 84.8 lm/W



**Candelas at Nadir**

Deg	Candela
0	1173
5	1160
15	1069
25	900
35	650
45	410

### Application Data:

**Notes and Definitions:**

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

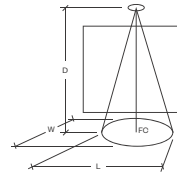
**D**=Distance to floor or wall.

**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.



**30° Solite Lens**  
0° Aiming Angle  
Horizontal Footcandles

D	FC	L	W
5.0'	221	2.7	2.7
7.5'	98	3.9	3.9
10.0'	55	5.2	5.2
12.5'	36	6.5	6.5

**50° Solite Lens**  
0° Aiming Angle  
Horizontal Footcandles

D	FC	L	W
5.0'	104	3.8	3.8
7.5'	47	5.8	5.8
10.0'	26	7.8	7.8
12.5'	17	9.7	9.7

**65° Solite Lens**  
0° Aiming Angle  
Horizontal Footcandles

D	FC	L	W
5.0'	75	4.5	4.4
7.5'	34	6.8	6.8
10.0'	19	9.3	9.3
12.5'	13	11.8	11.8

**75° Satin Ice Lens**  
0° Aiming Angle  
Horizontal Footcandles

D	FC	L	W
5.0'	47	5.2	5.2
7.5'	21	7.9	7.9
10.0'	12	10.7	10.7
12.5'	8	14.0	14.0

# Rook<sup>®</sup> 350

3.5" Round Wall Mount, Direct or Indirect



## PROJECT:

## TYPE:

### DIMMING COMPATIBILITY:

Amerlux<sup>®</sup> 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 ---**

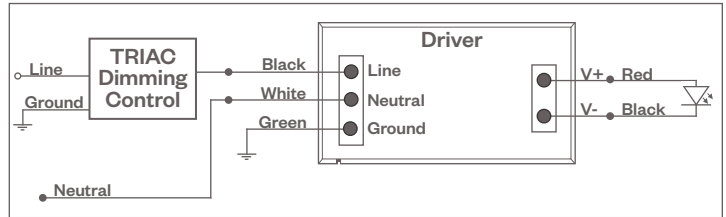
### TRIAC (Forward Phase) DIMMING (Standard)

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

#### Notes:

- 120V or 277V\*
- Dims down to less than 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 (Incandescent Style, Wattage as required)		Central System
Lutron "Diva"	Lutron "Vareo"	Lutron "GP" Panel
Lutron "Nova-T"	Lutron "Skylark"	Lutron Grafik Eye QS
Lutron "Maestro"		

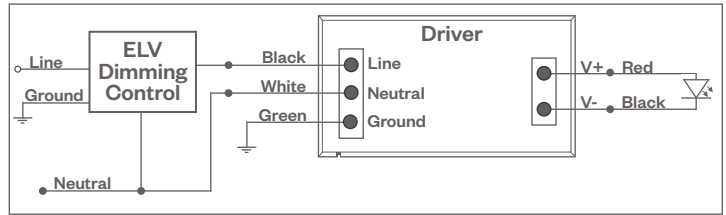
### ELV - Electronic Low Voltage (Reverse Phase) DIMMING (Standard)

Utilizes specialized "ELV" dimmers.

#### Notes:

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

ELV Wiring Diagram



#### Compatible Dimmers†:

Wall Box (ELV Style)		Central System
Lutron "Diva"	Leviton "Surslide"	Lutron "GP" Panel with PHPM-PA Interface
Lutron "Nova-T"	Leviton "Vizio"	Lutron Grafik Eye QS with PHPM-PA Interface
Lutron "Maestro"		
Lutron "Vareo"		
Lutron "Skylark"		

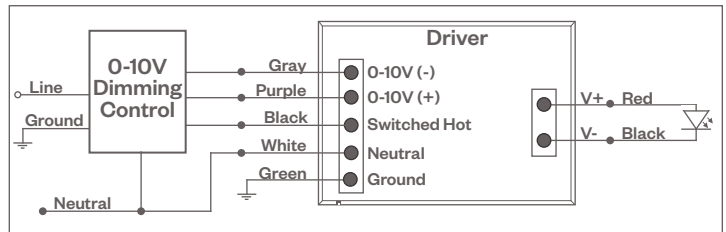
### 0-10V - DIMMING (-0-10V Option)

Integrates into a variety of building management and daylighting controls

#### Notes:

- 120V or 277V\*
- 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" - DVTV with PP-120H Interface	Leviton Renoir II 0-10V
	Lutron Grafik Eye with GRX-TVI Interface

#### Notes:

\* Driver is 277V dimmable with appropriate dimmer (by others). All provided wiring diagrams show 120V wiring colors and method. Please refer to 277V dimmer installation instructions for 277V 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" Round Wall Mount, Direct or Indirect



## 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 ---**

### LUTRON H-SERIES / ECOSYSTEM (-HILUME-H-ECO Option)

Integrates into Lutron EcoSystem building management

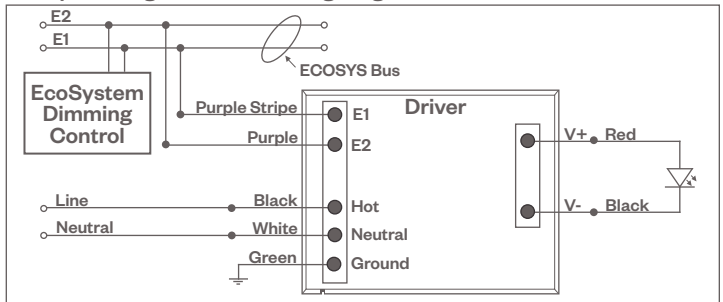
#### Notes:

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

#### Compatible Dimmers†:

Wall Box	Central System
Lutron "Diva"	Lutron EcoSystem compatible controls
Lutron "Nova-T"	
Lutron "Maestro"	
Lutron "Vareo"	

### HILUME-H-ECO, HILUME-5-ECO EcoSystem Digital Control Wiring Diagram



#### Notes:

- \* Driver is 277V dimmable with appropriate dimmer (by others). All provided wiring diagrams show 120V wiring colors and method. Please refer to 277V dimmer installation instructions for 277V wiring diagrams.
- † The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.