

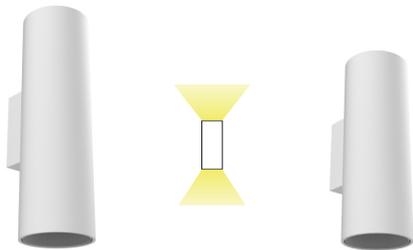
# Rook® 350

3.5" Round Wall Mount  
Direct/Indirect



Wall Mount

Remote  
Wall Mount



See page 4 for other mounting options

## Features

The contemporary Rook 350 Direct/Indirect Wall Mount provides both direct and indirect illumination. Both the downlight and uplight have 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/Indirect
Wattage (Direct or Indirect):	11, 16 (R350WR) or 14, 21 (R350WRL)
Color Temp:	2200K, 2700K, 3000K, 3500K, 4000K
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:

## TYPE:

### Performance Chart - Direct or Indirect Output

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/11W		16W/16W	
	System Watts	Amps	System Watts	Amps
120V	22	0.18	32	0.26
277V	22	0.08	32	0.12
<b>RK350WRL</b>				
	14W/14W		21W/21W	
	System Watts	Amps	System Watts	Amps
120V	28	0.24	42	0.36
277V	28	0.10	42	0.16

Electronic constant current LED driver

### Max. Fixture Weights

Model	Weight (lbs)
RK350WR(L)-DI	7.1
RK350WR(L)-DI-REMOTE	5.5

Remote driver & driver box are not included in weight



# Rook® 350

3.5" Round Wall Mount, Direct/Indirect



## PROJECT:

## TYPE:

### Ordering Information

\_\_\_\_\_ / \_\_\_\_\_ . 120-277 . \_\_\_\_\_ / \_\_\_\_\_ . \_\_\_\_\_

**1**      **2**      **3**      **4**      **5**      **6**      **7**      **8**      **9**      **10**

#### Open Unit

- 1** Model  
**RK350WR-DI**  
**RK350WR-DI-REMOTE** (remote driver)
- 2** Wattage (Direct/Indirect)
- |               |                 |
|---------------|-----------------|
| <u>Direct</u> | <u>Indirect</u> |
| <b>11</b>     | <b>11</b>       |
| <b>16</b>     | <b>16</b>       |
- 3** Housing Finish  
**MW** - matte white  
**MB** - matte black  
**SLV** - matte silver
- 4** Circuiting  
**1\*** - single circuit  
**2** - direct/indirect switch separately  
**\* Same wattage for direct & indirect component**
- 5** Mounting (matches housing finish)  
**WM** - wall mount (no wall plate)  
**CWM** - wall mount with wall plate  
**CDWM** - wall mount conduit cover
- 6** Voltage  
**120-277**
- 7** Trim Finish  
**MW** - matte white  
**MB** - matte black  
**SLV** - matte silver
- 8** Beam Spread (Direct/Indirect)
- |                                    |                                    |
|------------------------------------|------------------------------------|
| <u>Direct</u>                      | <u>Indirect</u>                    |
| <b>SP</b> - spot, 15°              | <b>SP</b> - spot, 15°              |
| <b>NF</b> - narrow flood, 20°      | <b>NF</b> - narrow flood, 20°      |
| <b>MFL</b> - medium flood, 24°     | <b>MFL</b> - medium flood, 24°     |
| <b>FL</b> - flood, 28°             | <b>FL</b> - flood, 28°             |
| <b>WF</b> - wide flood, 45°        | <b>WF</b> - wide flood, 45°        |
| <b>VWF</b> - very wide flood, 60°  | <b>VWF</b> - very wide flood, 60°  |
| <b>LS</b> - linear spread, 60°x10° | <b>LS</b> - linear spread, 60°x10° |
- 9** Color Temp
- |                      |                        |                           |
|----------------------|------------------------|---------------------------|
| <u>83 CRI</u>        | <u>90+ CRI</u>         |                           |
| <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+ |                           |
- 10** Driver  
**LE/TE** - TRIAC/ELV dimming, 5% dim  
**0-10V** - 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-DI** (Lensed)  
**RK350WRL-DI-REMOTE** (Lensed, remote driver)
- 2** Wattage (Direct/Indirect)
- |               |                 |
|---------------|-----------------|
| <u>Direct</u> | <u>Indirect</u> |
| <b>14</b>     | <b>14</b>       |
| <b>21</b>     | <b>21</b>       |
- 3** Housing Finish  
**MW** - matte white  
**MB** - matte black  
**SLV** - matte silver
- 4** Circuiting  
**1\*** - single circuit  
**2** - direct/indirect switch separately  
**\* Same wattage for direct & indirect component**
- 5** Mounting (matches housing finish)  
**WM** - wall mount (no wall plate)  
**CWM** - wall mount with wall plate  
**CDWM** - wall mount conduit cover
- 6** Voltage  
**120-277**
- 7** Trim Finish  
**MW** - matte white  
**MB** - matte black  
**SLV** - matte silver
- 8** Beam Spread (Direct/Indirect)
- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| <u>Direct</u>                     | <u>Indirect</u>                   |
| <b>30SOL</b> - 30° solite lens    | <b>30SOL</b> - 30° solite lens    |
| <b>50SOL</b> - 50° solite lens    | <b>50SOL</b> - 50° solite lens    |
| <b>65SOL</b> - 65° solite lens    | <b>65SOL</b> - 65° solite lens    |
| <b>75SAT</b> - 75° satin ice lens | <b>75SAT</b> - 75° satin ice lens |
- 9** Color Temp
- |                      |                        |                           |
|----------------------|------------------------|---------------------------|
| <u>83 CRI</u>        | <u>90+ CRI</u>         |                           |
| <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+ |                           |
- 10** Driver  
**LE/TE** - TRIAC/ELV dimming, 5% dim  
**0-10V** - 0-10V dimming; 1% dim  
**HILUME-H-ECO** - Lutron Hi-lume® H Series, EcoSystem, 1% dim with soft on, fade to black

**Note: Fixture provided with separate wires for down and up. Can be wired in field as single or dual circuit.**

# Rook® 350

3.5" Round Wall Mount, Direct/Indirect



## PROJECT:

## TYPE:

### Specifications

#### Application

Commercial, hospitality and retail ambient/accent wall mounted fixtures

#### Construction

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

#### Optical

##### RK350WR-DI 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-DI 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 (not available for use with 36W)  
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 (RK350RL)

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:** Driver is supplied installed in remote driver box, (one driver per box), with 5' 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.

**Note: Fixture provided with separate wires for direct and indirect. Can be wired in field as single or dual circuit.**

#### 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, see options on pg 4

#### Certifications

CSA tested to UL standards

Indoor use only

Damp location

#### Warranty

5 year limited warranty

# Rook® 350

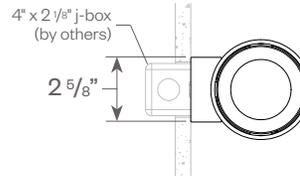
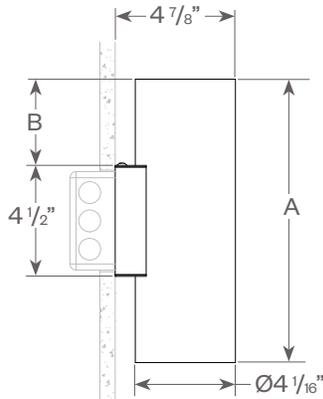
3.5" Round Wall Mount, Direct/Indirect



## PROJECT:

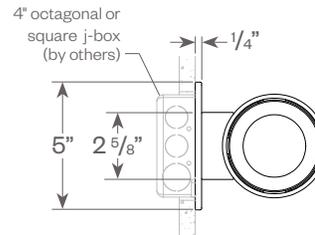
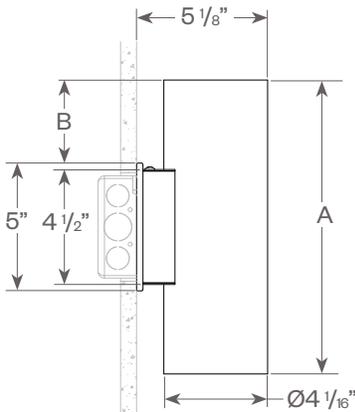
## TYPE:

### Wall Mount



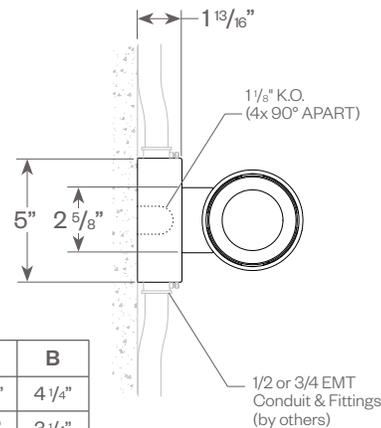
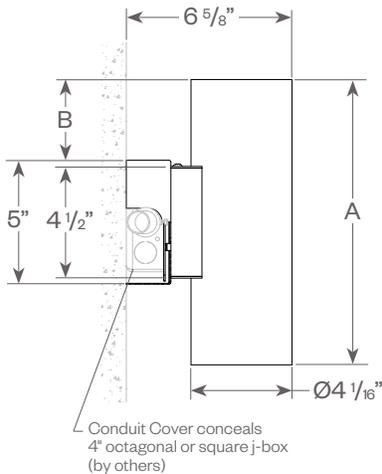
Fixture	A	B
RK350W(R/RL)-DU	13 1/2"	4 1/2"
RK350W(R/RL)-DU-REMOTE	11 1/2"	3 1/2"

### Wall Mount with Wall Plate



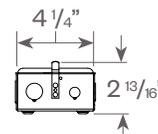
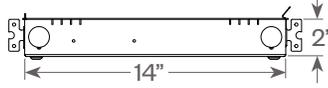
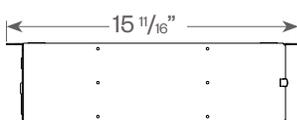
Fixture	A	B
RK350W(R/RL)-DU	13 1/2"	4 1/4"
RK350W(R/RL)-DU-REMOTE	11 1/2"	3 1/4"

### Wall Mount Conduit Cover



Fixture	A	B
RK350W(R/RL)-DU	13 1/2"	4 1/4"
RK350W(R/RL)-DU-REMOTE	11 1/2"	3 1/4"

### Remote Driver Box



Driver is supplied installed in remote driver box, (one driver per 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/Indirect



## PROJECT:

## TYPE:

### RK350WR

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

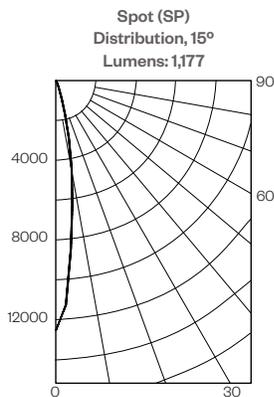
**MULTIPLYING FACTORS:** (Multiplying Factor is based on 3000K-83 120V IES file on website)

Wattage:	11W	16W
Factor:	0.69	1.0

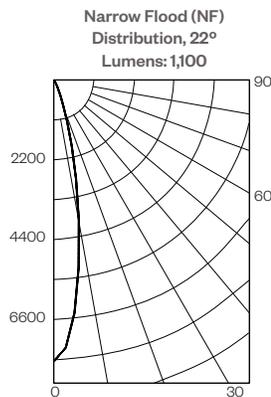
CCT:	2700K-83	3000K-83	3500K-83	4000K-83
Factor:	0.96	1.0	1.02	1.04

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

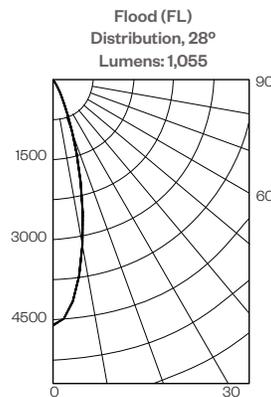
### 16W LED, 3000K-83



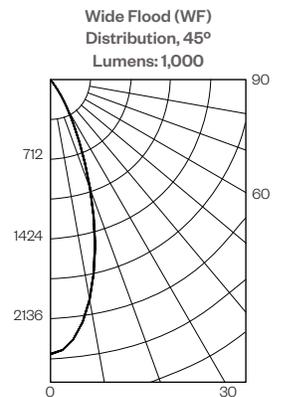
Candelas at Nadir	
Deg	Candela
0	11,132
5	7561
15	1561
25	169
35	28
45	3



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



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



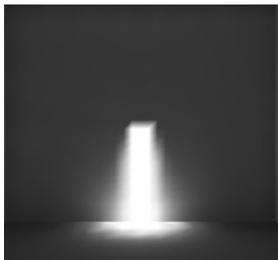
Candelas at Nadir	
Deg	Candela
0	2448
5	2326
15	1530
25	602
35	126
45	6

### Application Data:

RK350WR Mounted at 7' (to bottom of fixture) on wall  
Footcandles on wall

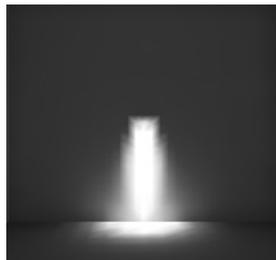
**Spot**

Distance from fixture	Footcandles							
	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5
0.5	0	0	0	61	60	0	0	0
1.5	0	0	1	76	91	1	0	0
2.5	0	0	2	39	45	3	0	0
3.5	0	1	3	20	23	3	1	0
4.5	1	1	4	14	14	4	1	1
5.5	1	2	5	11	12	5	2	1
6.5	1	2	5	11	11	5	2	1



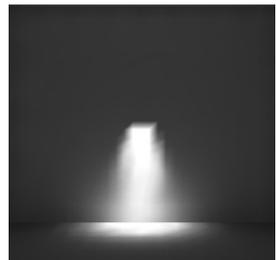
**Narrow Flood**

Distance from fixture	Footcandles							
	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5
0.5	0	0	0	70	73	0	0	0
1.5	0	0	2	73	84	1	0	0
2.5	0	0	3	32	37	3	0	0
3.5	0	1	3	17	17	3	1	0
4.5	0	1	3	10	11	3	1	1
5.5	1	1	4	8	8	4	1	1
6.5	1	1	4	8	7	4	2	1



**Flood**

Distance from fixture	Footcandles							
	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5
0.5	0	0	1	92	73	0	0	0
1.5	0	0	2	72	74	2	0	0
2.5	0	0	4	27	30	3	0	0
3.5	0	1	4	13	13	4	1	0
4.5	1	1	3	8	7	3	1	1
5.5	1	2	4	7	6	4	2	1
6.5	1	2	4	6	6	4	2	1



**Wide Flood**

Distance from fixture	Footcandles							
	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5
0.5	0	0	1	87	107	0	0	0
1.5	0	0	3	57	76	3	0	0
2.5	0	0	4	19	22	5	0	0
3.5	0	1	3	9	9	4	1	0
4.5	1	1	3	5	5	3	1	1
5.5	1	1	3	4	4	3	2	1
6.5	1	1	3	4	3	3	2	1



# Rook® 350

3.5" Round Wall Mount, Direct/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)

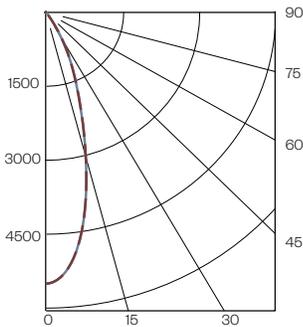
Wattage:	14W	21W
Factor:	0.67	1.0

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

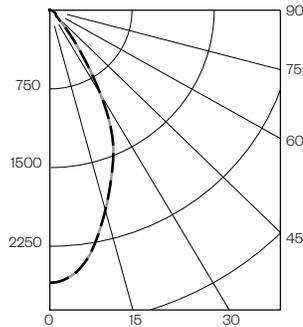
### 21W LED, 3000K

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



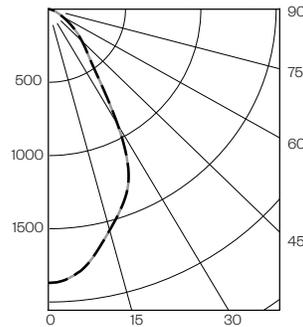
Candelas at Nadir	
Deg	Candela
0	5504
5	5162
15	2877
25	1113
35	210
45	59

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



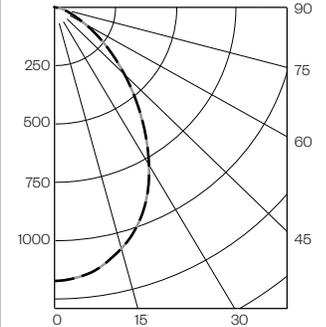
Candelas at Nadir	
Deg	Candela
0	2597
5	2523
15	1960
25	1347
35	493
45	101

**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

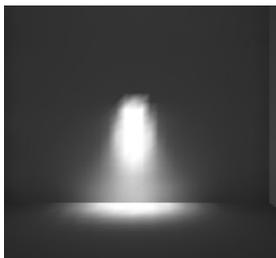


Candelas at Nadir	
Deg	Candela
0	1173
5	1160
15	1069
25	900
35	650
45	410

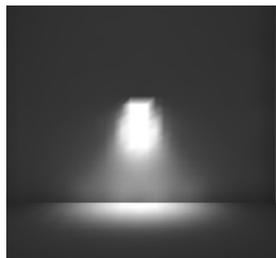
### Application Data:

RK350WRL Mounted at 7' (to bottom of fixture) on wall  
Footcandles on wall

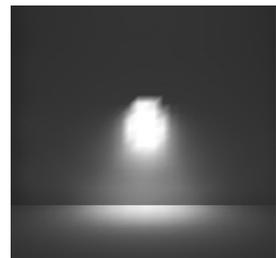
30SOL										
		□								
Distance from fixture	0.5	1	1	3	187	195	2	1	1	
	1.5	1	1	6	111	133	6	1	1	
	2.5	1	1	7	41	47	8	1	1	
	3.5	1	2	6	19	20	7	2	1	
	4.5	1	2	6	12	12	6	2	1	
	5.5	2	3	6	9	9	6	3	2	
	6.5	2	4	6	9	9	6	4	2	



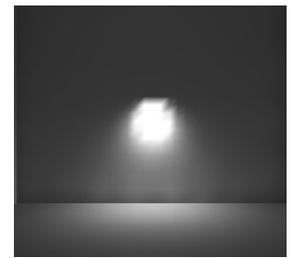
50SOL										
		□								
Distance from fixture	0.5	1	1	4	203	230	3	1	1	
	1.5	1	1	9	90	118	9	1	1	
	2.5	1	2	8	26	27	10	2	1	
	3.5	1	2	6	11	11	6	2	1	
	4.5	2	3	5	7	7	5	3	2	
	5.5	2	3	5	5	5	5	3	2	
	6.5	2	2	4	4	4	4	3	2	



65SOL										
		□								
Distance from fixture	0.5	1	1	9	269	239	6	1	1	
	1.5	1	2	11	74	79	11	2	1	
	2.5	1	2	8	21	22	8	2	1	
	3.5	1	2	5	9	9	6	2	1	
	4.5	2	2	4	5	5	4	3	2	
	5.5	2	3	4	4	4	4	3	2	
	6.5	2	3	3	4	4	3	3	2	



75SAT										
		□								
Distance from fixture	0.5	1	1	8	199	268	9	1	1	
	1.5	1	2	10	58	80	13	2	1	
	2.5	1	2	6	14	15	8	3	1	
	3.5	1	2	4	6	6	4	3	2	
	4.5	2	2	3	4	4	3	2	2	
	5.5	2	2	3	3	3	3	2	2	
	6.5	1	2	2	2	2	2	2	2	



# Rook® 350

3.5" Round Wall Mount, Direct/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 ---**

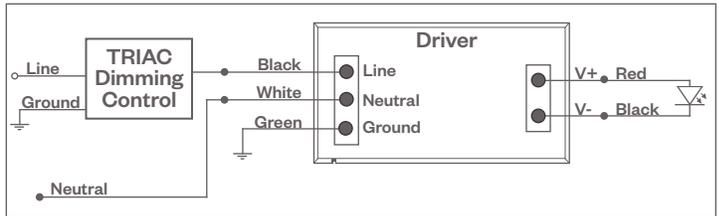
### TRIAC (Forward Phase) DIMMING (Standard)

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 "Vareo"	
Lutron "Skylark"	

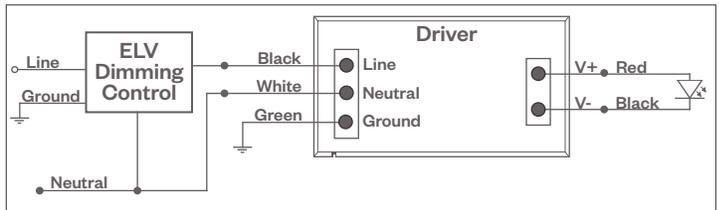
### ELV - Electronic Low Voltage (Reverse Phase) DIMMING (Standard)

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

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 "Vareo"		
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 manufacturer 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" Round Wall Mount, Direct/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 ---**

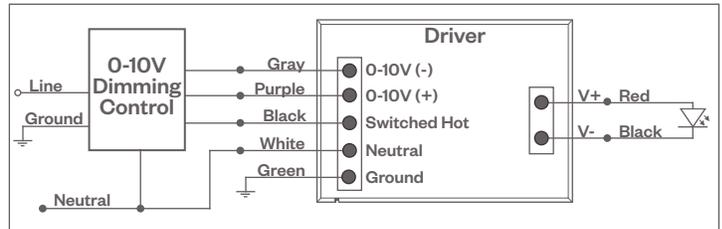
### 0-10V DIMMING

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

Lutron "Diva" - DTVV with PP-120H Interface

Leviton Renoir II 0-10V

##### Central System

Lutron Grafik Eye with GRX-TV1 Interface

### LUTRON H-SERIES / ECOSYSTEM DIMMING

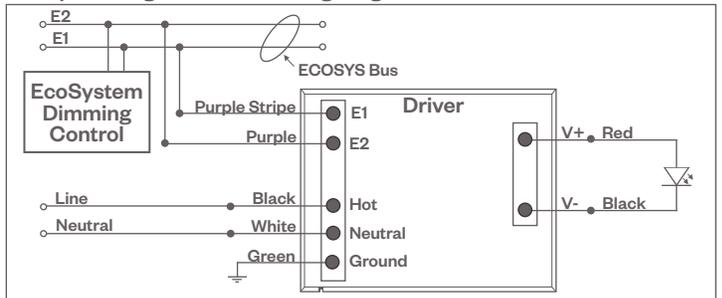
Integrates into Lutron EcoSystem building management

#### Notes:

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

### HILUME-H-ECO

EcoSystem Digital Control Wiring Diagram



#### Compatible Dimmers†:

##### Wall Box

Lutron "Diva"  
Lutron "Nova-T"  
Lutron "Maestro"  
Lutron "Vareo"

##### Central System

Lutron EcoSystem compatible controls

#### 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 manufacturer 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.