

Rook® 350

3.5" Square 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 flush mount option is a perfect solution for ADA compliance. 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:	Square Wall Mount, Direct/Indirect
Wattage (Down or Up):	11, 16 (R350WS) or 14, 21 (R350WSL)
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	CBCP	Color Temp
RK350WS				
11	796	72.4	7,627	3000K-83
16	1,162	72.6	11,128	3000K-83
RK350WSL				
14	1,429	102	2,025	3000K-83
21	2,133	101.6	3,023	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

RK350WR				
	11W/11W		16W/16W	
	System Watts	Amps	System Watts	Amps
120V	22	0.18	32	0.26
277V	22	0.08	32	0.12
RK350WRL				
	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)
RK350WS(L)-DI	7.3
RK350WS(L)-DI-REMOTE	5.4

Remote driver & driver box are not included in weight



Rook® 350

3.5" Square Wall Mount, Direct/Indirect



PROJECT:

TYPE:

Ordering Information



Open Unit

- 1** Model
RK350WS-DI
RK350WS-DI-REMOTE (remote driver)

- 2** Wattage (Direct/Indirect)

<u>Direct</u>	<u>Indirect</u>
11	11
16	16

- 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>
SP - spot, 15°	SP - spot, 15°
NF - narrow flood, 20°	NF - narrow flood, 20°
MFL - medium flood, 24°	MFL - medium flood, 24°
FL - flood, 28°	FL - flood, 28°
WF - wide flood, 45°	WF - wide flood, 45°
VWF - very wide flood, 60°	VWF - very wide flood, 60°
LS - linear spread, 60°x10°	LS - linear spread, 60°x10°

- 9** Color Temp

<u>83 CRI</u>	<u>90+ CRI</u>	
27 - 2700K-83	229 - 2200K-90+	CRISP - CrispWhite
30 - 3000K-83	279 - 2700K-90+	3CLA - 3K Class A
35 - 3500K-83	309 - 3000K-90+	
40 - 4000K-83	359 - 3500K-90+	
	409 - 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
RK350WSL-DI (Lensed)
RK350WSL-DI-REMOTE (Lensed, remote driver)

- 2** Wattage (Direct/Indirect)

<u>Direct</u>	<u>Indirect</u>
14	14
21	21

- 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>
30SOL - 30° solite lens	30SOL - 30° solite lens
50SOL - 50° solite lens	50SOL - 50° solite lens
65SOL - 65° solite lens	65SOL - 65° solite lens
75SAT - 75° satin ice lens	75SAT - 75° satin ice lens

- 9** Color Temp

<u>83 CRI</u>	<u>90+ CRI</u>	
27 - 2700K-83	229 - 2200K-90+	CRISP - CrispWhite
30 - 3000K-83	279 - 2700K-90+	3CLA - 3K Class A
35 - 3500K-83	309 - 3000K-90+	
40 - 4000K-83	359 - 3500K-90+	
	409 - 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" Square 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

RK350WS-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°

RK350WSL-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

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 (RK350WS-DU) or 14, 21 (RK350SL-DU)
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 down and up. 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

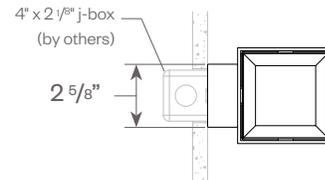
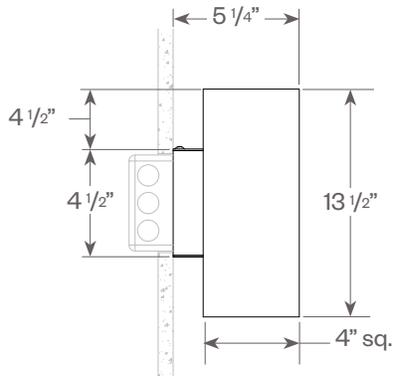
3.5" Square Wall Mount, Direct/Indirect



PROJECT:

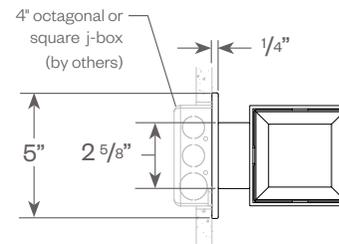
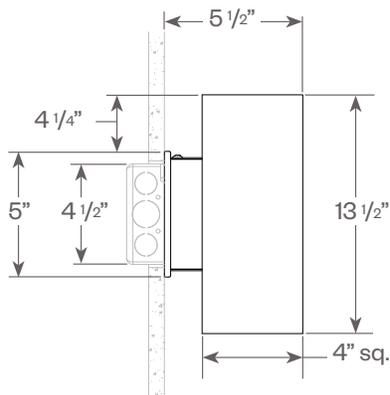
TYPE:

Wall Mount



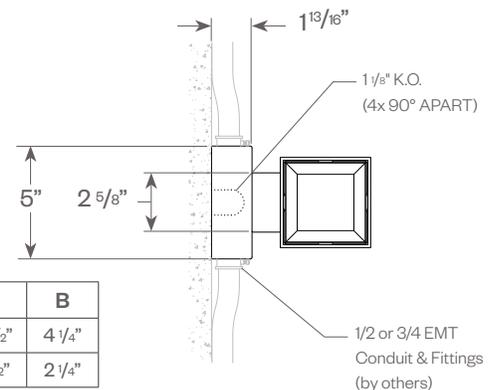
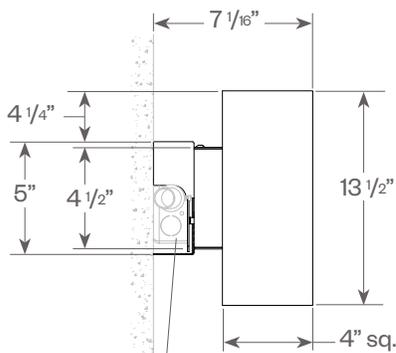
Fixture	A	B
RK350W(S/SL)-DI	13 1/2"	4 1/2"
RK350W(S/SL)-DI-REMOTE	9 1/2"	2 1/2"

Wall Mount with Wall Plate



Fixture	A	B
RK350W(S/SL)-DI	13 1/2"	4 1/4"
RK350W(S/SL)-DI-REMOTE	9 1/2"	2 1/4"

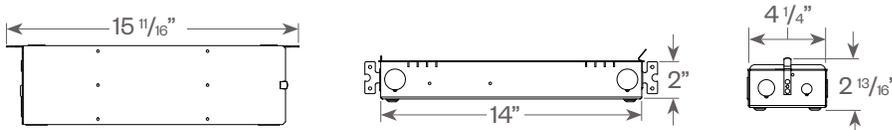
Wall Mount Conduit Cover



Fixture	A	B
RK350W(S/SL)-DI	13 1/2"	4 1/4"
RK350W(S/SL)-DI-REMOTE	9 1/2"	2 1/4"

Conduit Cover conceals 4" octagonal or square j-box (by others)

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" Square Wall Mount, Direct/Indirect



PROJECT:

TYPE:

RK350WS

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

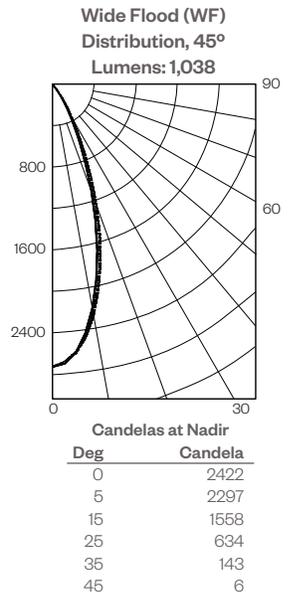
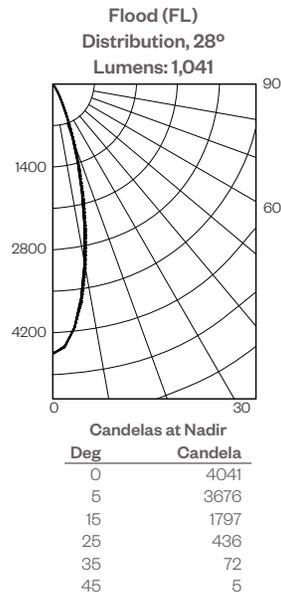
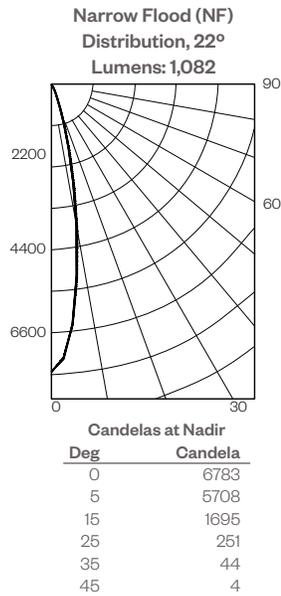
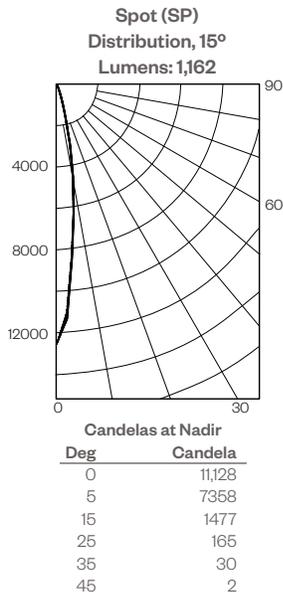
MULTIPLYING FACTORS: (Multiplying Factor is based on 3000K-83 120V IES file on website)

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



Application Data:

RK350WS Mounted at 7' (to bottom of fixture) on wall
Footcandles on wall

Spot

Distance from fixture	Footcandle distribution								
	0.5	0	0	0	60	59	0	0	0
1.5	0	0	1	75	90	1	0	0	0
2.5	0	0	2	39	45	2	0	0	0
3.5	0	1	3	20	23	3	1	0	0
4.5	1	1	4	14	14	4	1	1	1
5.5	1	1	5	11	11	5	2	1	1
6.5	1	2	5	11	11	5	2	1	1

Narrow Flood

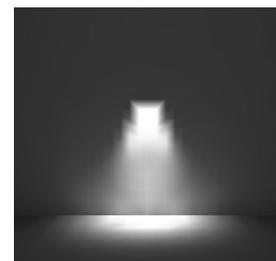
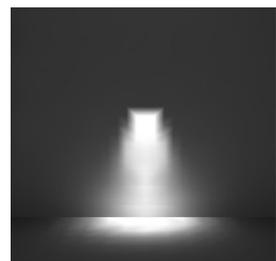
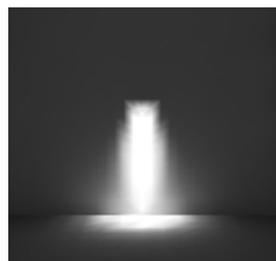
Distance from fixture	Footcandle distribution								
	0.5	0	0	0	68	70	0	0	0
1.5	0	0	2	72	83	2	0	0	0
2.5	0	0	3	32	37	3	0	0	0
3.5	0	1	3	17	17	3	1	0	0
4.5	0	1	3	10	11	3	1	0	0
5.5	1	1	4	8	8	4	1	1	1
6.5	0	1	4	8	7	4	2	1	1

Flood

Distance from fixture	Footcandle distribution								
	0.5	0	0	1	89	71	0	0	0
1.5	0	0	2	71	73	2	0	0	0
2.5	0	0	4	27	30	3	0	0	0
3.5	0	1	4	13	13	4	1	0	0
4.5	1	1	3	8	7	3	1	1	1
5.5	1	2	4	6	6	4	2	1	1
6.5	1	2	4	6	6	4	2	1	1

Wide Flood

Distance from fixture	Footcandle distribution								
	0.5	0	0	1	92	111	1	0	0
1.5	0	0	3	59	78	4	0	0	0
2.5	0	1	4	20	23	5	1	0	0
3.5	0	1	4	9	9	4	1	0	0
4.5	1	1	3	5	5	3	1	1	1
5.5	1	1	3	4	4	3	2	1	1
6.5	1	1	3	4	3	3	2	1	1



Rook® 350

3.5" Square Wall Mount, Direct/Indirect



PROJECT:

TYPE:

RK350WSL

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

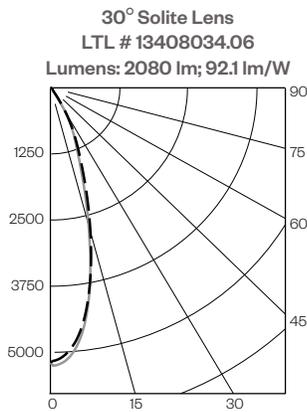
MULTIPLYING FACTORS: (Multiplying Factor is based on 3000K-83 120V IES file on website)

Wattage:	14W	21W
Factor:	0.67	1.0

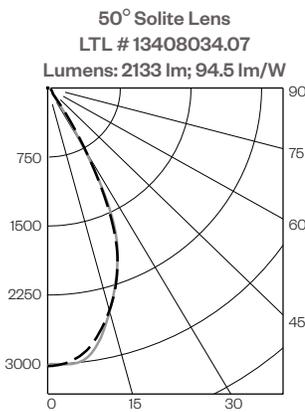
CCT:	2700K-83	3000K-83	3500K-83	4000K-83
Factor:	0.96	1.0	1.02	1.04

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

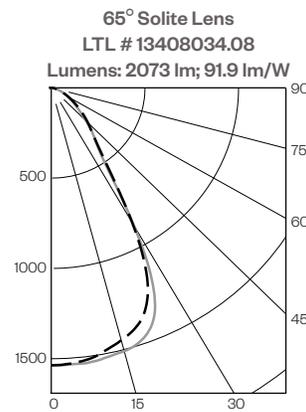
21W LED, 3000K-83



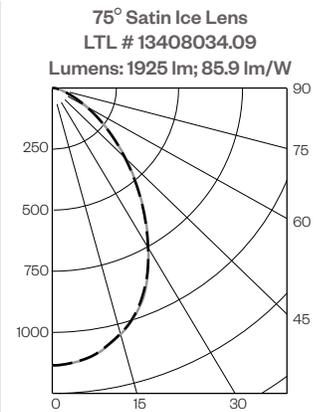
Candelas at Nadir	
Deg	Candela
0	5191
5	4959
15	2524
25	955
35	141
45	58



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



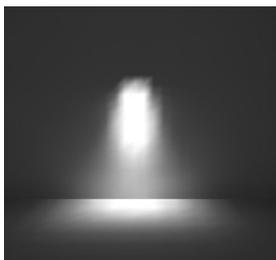
Candelas at Nadir	
Deg	Candela
0	1135
5	1125
15	1043
25	880
35	636
45	410

Application Data:

RK350WSL Mounted at 7' (to bottom of fixture) on wall
Footcandles on wall

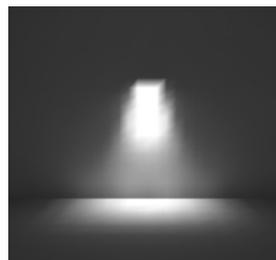
30SOL

Distance from fixture	0.5	1	1	3	205	212	2	1	1
1.5	1	1	6	108	129	6	1	1	
2.5	1	1	7	39	44	7	1	1	
3.5	1	2	6	18	19	7	2	1	
4.5	1	2	6	11	11	6	2	1	
5.5	2	3	6	9	9	6	3	2	
6.5	2	3	6	8	8	6	3	2	



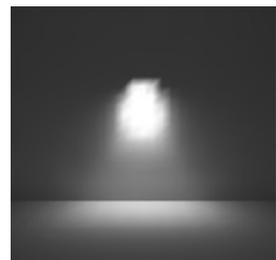
50SOL

Distance from fixture	0.5	1	1	3	227	252	3	1	1
1.5	1	1	8	108	140	8	1	1	
2.5	1	1	8	31	33	10	1	1	
3.5	1	2	7	13	13	7	2	1	
4.5	2	3	6	8	8	6	3	2	
5.5	2	4	6	6	7	6	4	2	
6.5	2	3	5	5	5	5	3	2	



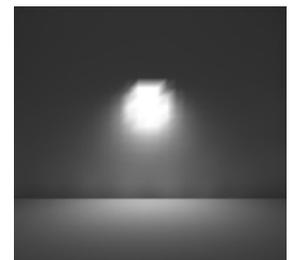
65SOL

Distance from fixture	0.5	1	1	9	283	254	5	1	1
1.5	1	2	11	71	77	11	2	1	
2.5	1	2	8	19	21	8	2	1	
3.5	1	2	5	8	8	6	2	1	
4.5	2	2	4	4	4	4	3	2	
5.5	2	3	3	4	4	3	3	2	
6.5	2	3	3	3	3	3	3	2	



75SAT

Distance from fixture	0.5	1	1	8	203	272	9	1	1
1.5	1	2	10	58	79	13	2	1	
2.5	1	2	6	14	15	8	3	1	
3.5	1	2	4	6	6	4	3	1	
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" Square 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 ---

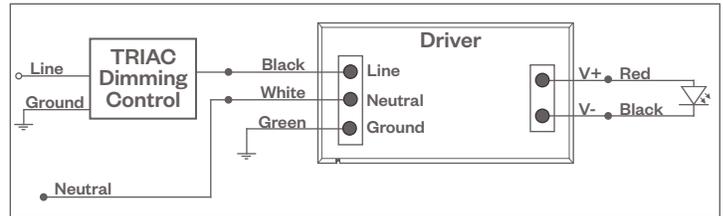
TRIAC (Forward Phase) DIMMING (Standard)

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"	

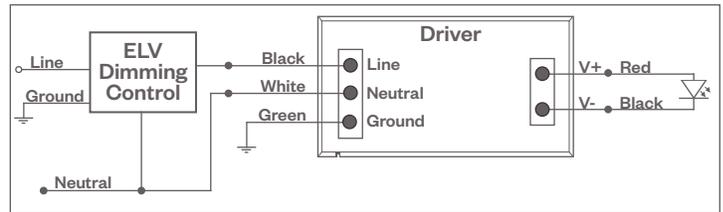
ELV - Electronic Low Voltage (Reverse Phase) DIMMING (Standard)

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" Square 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 ---

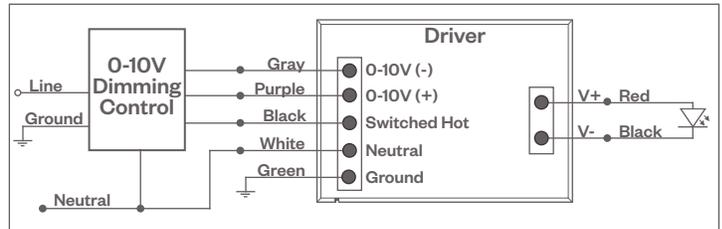
0-10V DIMMING

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

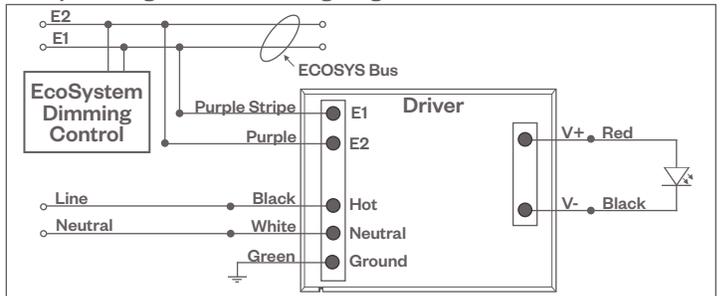
Integrates into Lutron EcoSystem building management

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.