

Rook® 350

3.5" Round Wall Mount
Direct/Indirect



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, CRISP
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)
 90+ typ. (2200K, 2700K, 3000K, 3500K, 4000K)
Dimming: CrispWhite & Class A LED available
 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
RK350WR				
11	808	73.5	7,643	3000K-83
16	1,177	73.6	11,132	3000K-83
RK350WRL				
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

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)
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>
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
CWM - canopy wall mount
CDWM - conduit canopy wall mount
- 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

83 CRI	90+ CRI	
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
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-DI (Lensed)
RK350WRL-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
CWM - canopy wall mount
CDWM - conduit canopy wall mount
- 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

83 CRI	90+ CRI	
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
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: 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

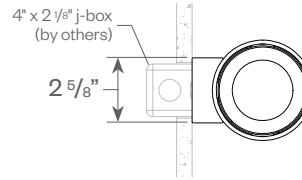
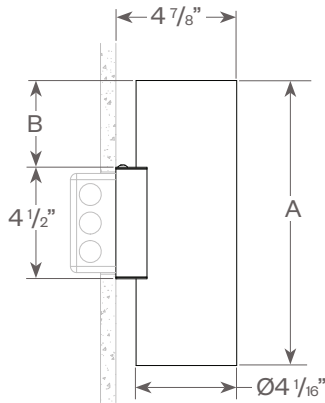
Rook® 350

3.5" Round Wall Mount, Direct/Indirect

PROJECT:

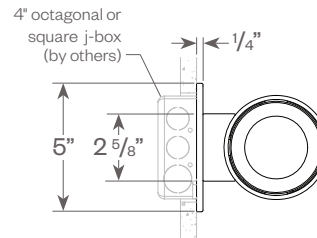
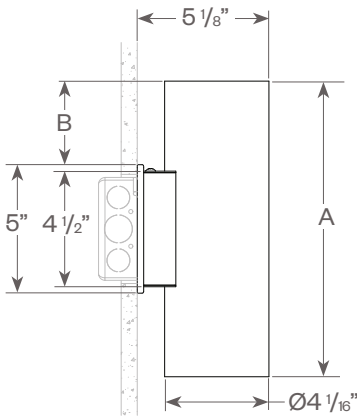
TYPE:

Wall Mount



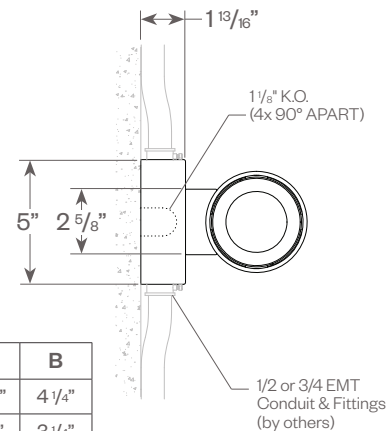
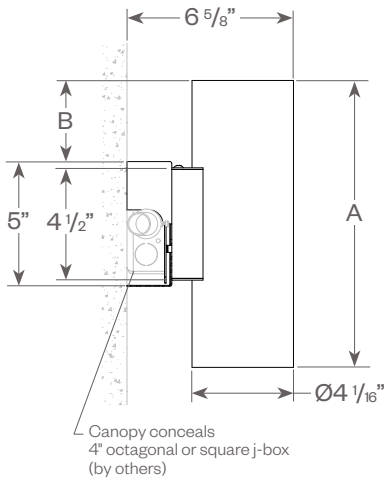
Fixture	A	B
RK350W(R/RL)-DU	13 1/2"	4 1/2"
RK350W(R/RL)-DU-REMOTE	11 1/2"	3 1/2"

Canopy Wall Mount



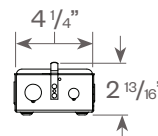
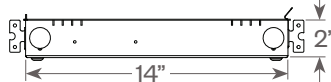
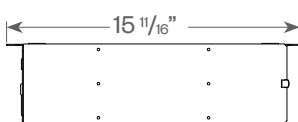
Fixture	A	B
RK350W(R/RL)-DU	13 1/2"	4 1/4"
RK350W(R/RL)-DU-REMOTE	11 1/2"	3 1/4"

Conduit Canopy Wall Mount



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 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.

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)

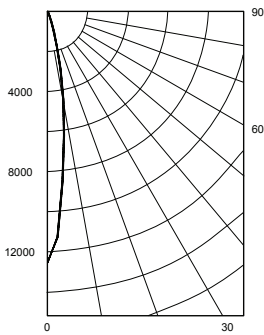
Wattage:	11W	16W
Factor:	0.69	1.0

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

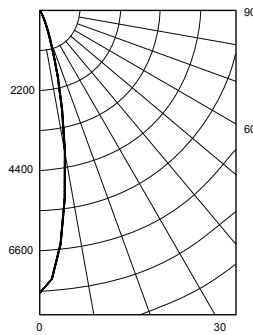
16W LED, 3000K-83

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



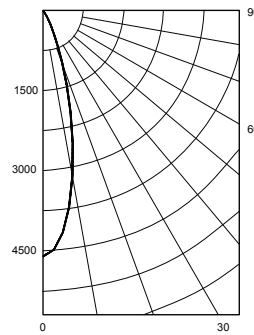
Candelas at Nadir	
Deg	Candela
0	11,132
5	7561
15	1561
25	169
35	28
45	3

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



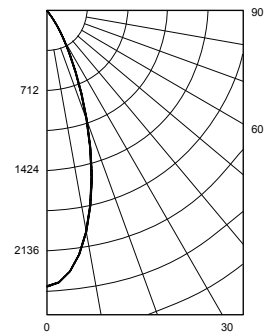
Candelas at Nadir	
Deg	Candela
0	6883
5	3051
15	1661
25	247
35	40
45	4

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



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

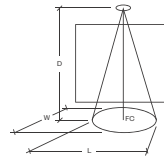
Wide Flood (WF) Distribution, 45°
Lumens: 1,000



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/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)

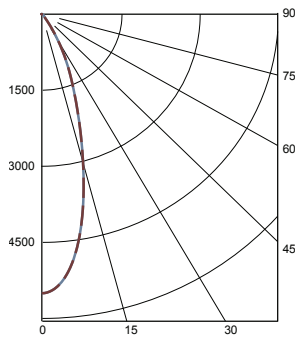
Wattage:	14W	21W
Factor:	0.67	1.0

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

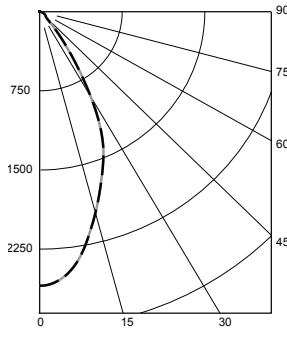
30° Solite Lens
LTL # 13408034.01
Lumens: 2042 lm; 90.5 lm/W



Candelas at Nadir

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

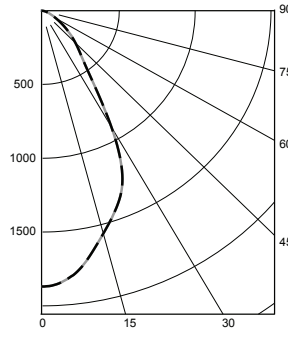
50° Solite Lens
LTL # 13408034.02
Lumens: 1923 lm; 85.2 lm/W



Candelas at Nadir

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

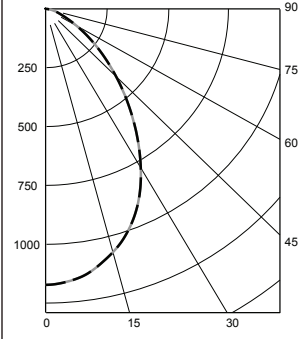
65° Solite Lens
LTL # 13408034.03
Lumens: 2027 lm; 89.9 lm/W



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).

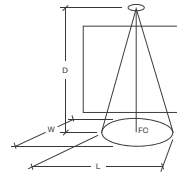
D=Distance to floor or wall.

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® 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 ---

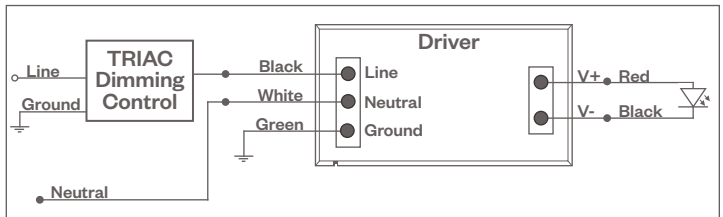
TRIAC (Forward Phase) DIMMING (Standard)

Utilizes "Standard" 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"		

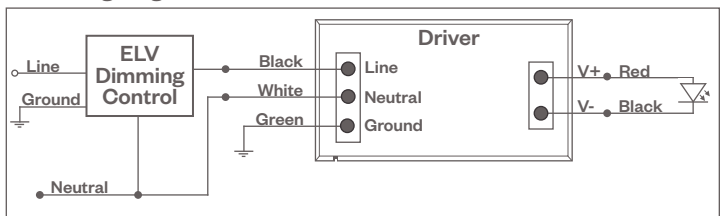
ELV - Electronic Low Voltage (Reverse Phase) DIMMING (Standard)

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"		

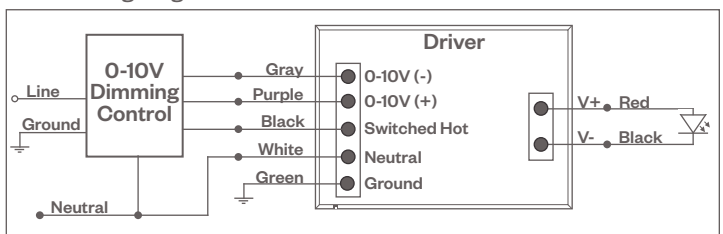
0-10V - DIMMING (-0-10V Option)

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.

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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.

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

Integrates into Lutron EcoSystem building management

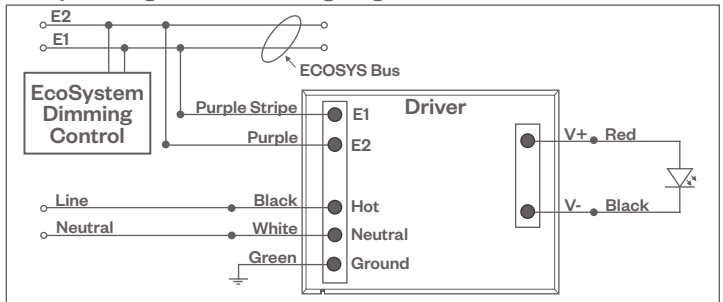
Notes:

- 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.