Rook® 350

3.5" Round Wall Mount
Universal,
Direct or Indirect

amerlux
A Delta Group Company

Direct Wall Mount   Indirect Wall Mount
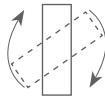
Features

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 Universal, Direct or Indirect (Field changeable to indirect orientation)
Wattage:	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) 90+/98 x-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) 10% Dim

PROJECT: TYPE:

Direct Remote Wall Mount   Indirect Remote Wall Mount

See page 4 for other mounting options

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

Performance Chart

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		**16W**	
	System Watts	Amps	System Watts	Amps
120V	11	0.09	16	0.13
277V	11	0.04	16	0.06
RK350WRL				
	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

CSA c us

5 year limited warranty
AMERLUX LED

Rook® 350

3.5" Round Wall Mount Universal, Direct or Indirect

amerlux
A Delta Group Company

PROJECT: **TYPE:**

Ordering Information

_____ . _____ . _____ . _____ . **120-277** . _____ . _____ . _____ . _____
                    1   **2**   **3**   **4**   **5**   **6**   **7**   **8**   **9**
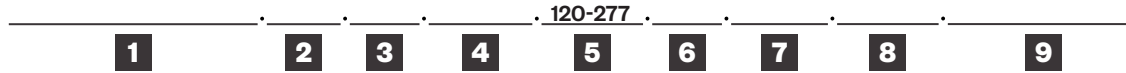
Open Unit

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 (no wall plate)
CWM - wall mount with wall plate
CDWM - wall mount conduit cover

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

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+	

9 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-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 (no wall plate)
CWM - wall mount with wall plate
CDWM - wall mount conduit cover

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

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+	

9 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: Indirect Mounting Kit provided with all fixtures to mount fixture for uplighting.

Rook® 350

3.5" Round Wall Mount Universal, 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, 15º; Narrow Flood, 22º; Medium Flood, 25º; Flood, 28º; Wide Flood, 45º; Very Wide Flood, 60º;
Linear Spread, 60º x 10º
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
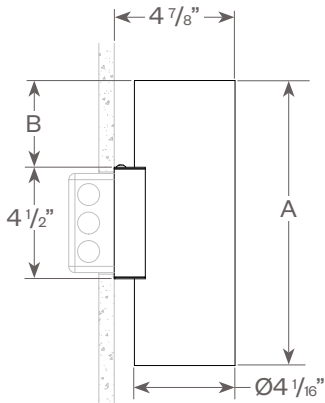Damp location

Warranty
5 year limited warranty

Rook® 350
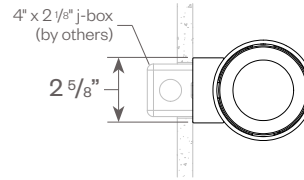
3.5" Round Wall Mount Universal, Direct or Indirect

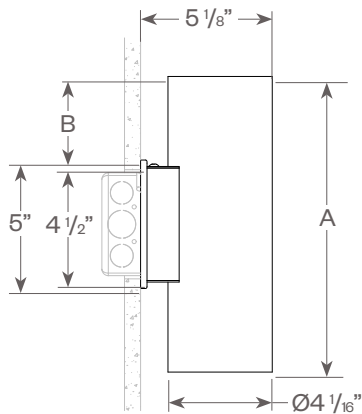**PROJECT:**   **TYPE:**

Wall Mount

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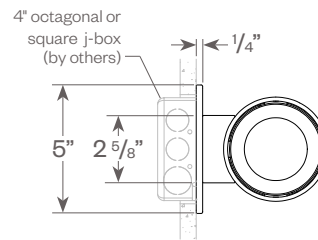Dust cover provided with fixture for indirect orientation.

4" x 2 1/8" j-box
(by others)

2 5/8"

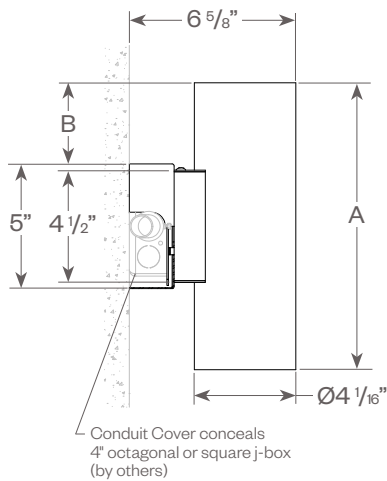| Fixture	A	B
RK350W(R/RL)	11 1/2"	3 1/2"
RK350W(R/RL)-REMOTE	6 1/2"	1"

Wall Mount with Wall Plate

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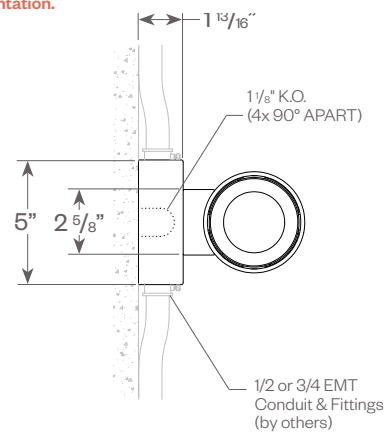Dust cover provided with fixture for indirect orientation.

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

1/4"

5"   2 5/8"

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

Wall Mount Conduit Cover

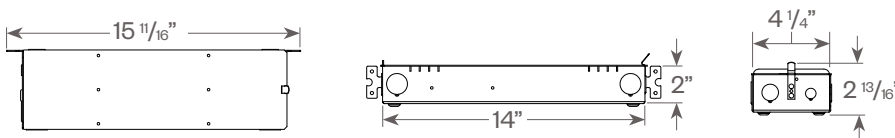Wall Mount Conduit Cover Fixtures are capable of being flipped to indirect.
Dust cover provided with fixture for indirect orientation.

1 13/16"

1 1/8" K.O.
(4x 90° APART)

5"   2 5/8"

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

1/2 or 3/4 EMT
Conduit & Fittings
(by others)

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

Remote Driver Box

15 11/16"

14"

2"

4 1/4"

2 13/16"

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 Universal, Direct or Indirect

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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)
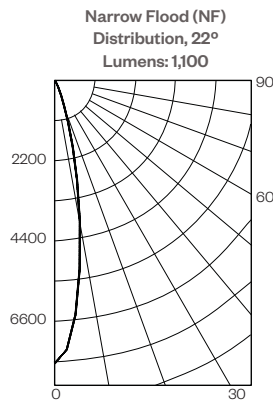
Wattage:	11W	16W
Factor:	0.69	1.0

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, 15º
Lumens: 1,177
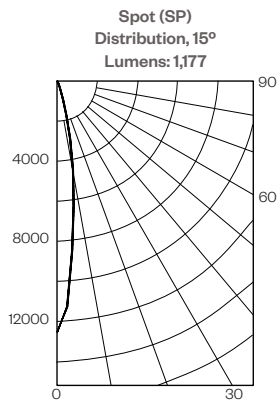
Candelas at Nadir

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

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

Candelas at Nadir

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

Flood (FL)
Distribution, 28º
Lumens: 1,055
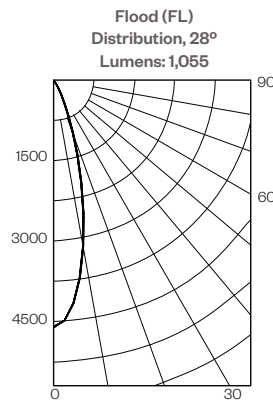
Candelas at Nadir

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

Wide Flood (WF)
Distribution, 45º
Lumens: 1,000
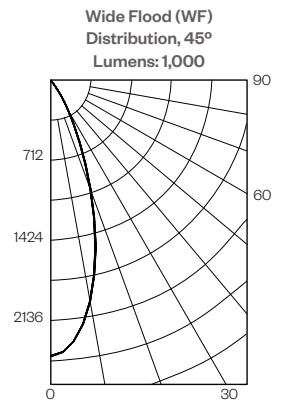
Candelas at Nadir

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								
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								
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
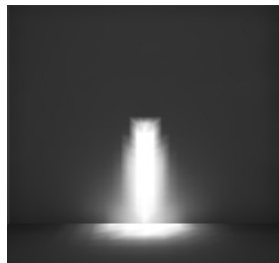
Flood

Distance from fixture								
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								
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 Universal, Direct or Indirect

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PROJECT: **TYPE:**

RK350WRL

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

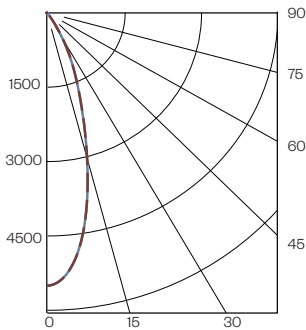**MULTIPLYING FACTORS:** (Multiplying Factor is based on 3000K-83 120V IES file on website)

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
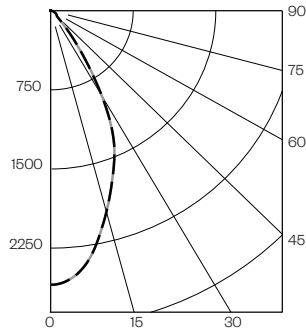
Candelas at Nadir

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
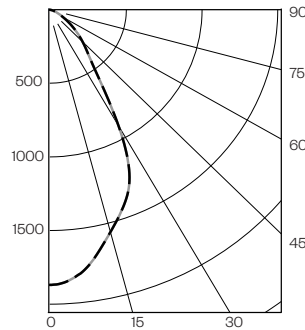
Candelas at Nadir

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
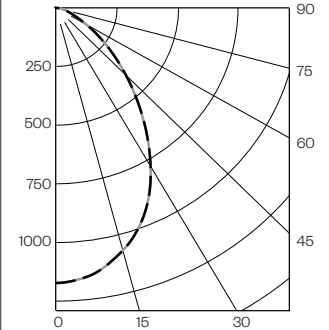
Candelas at Nadir

| 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
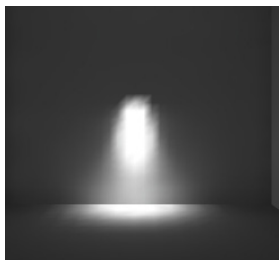
50SOL

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
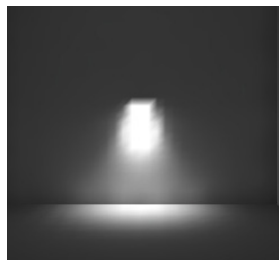
65SOL

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
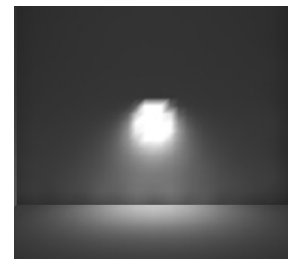
Rook® 350

3.5" Round Wall Mount Universal, 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 ---
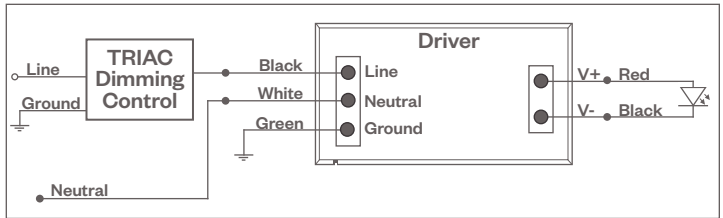
TRIAC (Forward Phase) DIMMING (Standard)

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

TRIAC Wiring Diagram

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

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.

ELV Wiring Diagram

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
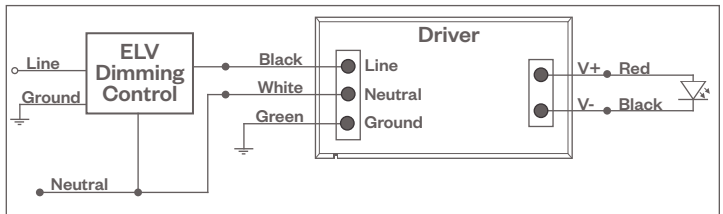
Compatible Dimmers†:

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.

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A Delta Group Company

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
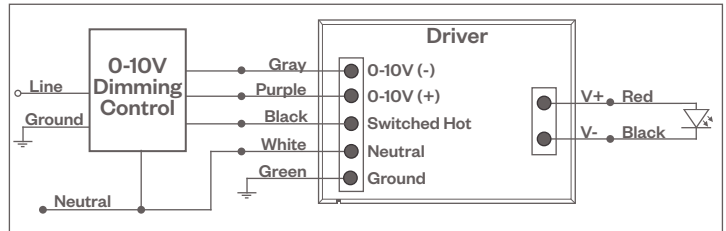
Compatible Dimmers†:

Wall Box		Central System
Lutron "Diva" - DVTV with PP-120H Interface	Leviton Renoir II 0-10V	Lutron Grafik Eye with GRX-TVI Interface

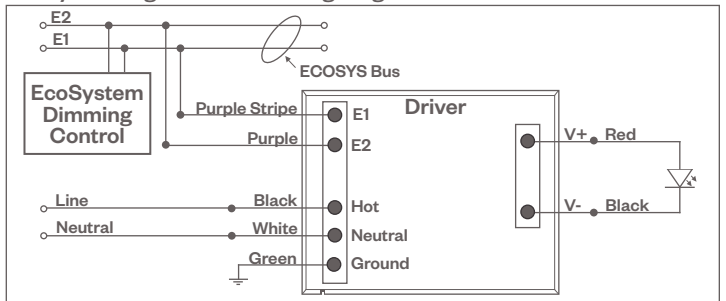### LUTRON H-SERIES / ECOSYSTEM DIMMING
Integrates into Lutron EcoSystem building management

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

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.