

Rook® 350

3.5" Round Pendants



PROJECT:

TYPE:

Features

High style, yet also versatile. Spare and modern, yet warm and welcoming. This striking Rook 350 re-imagines the Hornet HP Downlight line in a popular new pendant form. It's a fabulous solution for open ceilings, with the same aperture and drivers as Hornet HP Downlights—and yet its own distinctive style shines through. Rook 350 Pendant. Simply stunning.

Product Overview

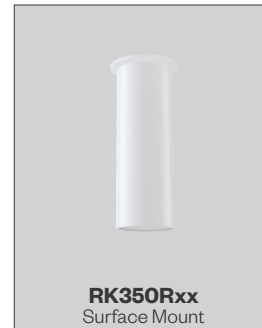
Type: Round Pendant
Wattage: RD: 11W, 16W, 18W
RLD/RLW: 14W, 21W
Color Temp: 2200K, 2700K, 3000K, 3500K, 4000K
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)
90+ typ. (2200K, 2700K, 3000K, 3500K, 4000K)
Class A LEDs available
Dimming: TRIAC & ELV, 5% Dim, 120/277VAC
Lutron LDE1 Hi-lume® 1% Soft-On/Fade-to-Black, 120V/277VAC
0-10V, 1% dim, 120V/277VAC



RK350Rxx



RK350Rxx-REMOTE



RK350Rxx
Surface Mount



RK350Rxx
Conduit Canopy

Certifications



Fixture Summary

Performance Data

Watts	Delivered Lumens	LPW	CBCP	Color Temp-CRI
Rook 350 RD				
11	808	73.5	7643	3000K-83
16	1177	73.6	11,132	3000K-83
18	1323	65.5	12,508	3000K-83
Rook 350 RLD				
14	1368	97.7	3688	3000K-83
21	2042	97.2	5504	3000K-83
Rook 350 RLW				
14	1324	94.6	-	3000K-83
21	1976	94	-	3000K-83

Data is based on 3000K-83 120V IES files available on website. See pages 6-8 for data on other beam spreads.

Electrical Data

	Rook 350 RD						Rook 350 RLD/RLW			
	11W		16W		18W		14W		21W	
Voltage	System Watts	Amps	System Watts	Amps	System Watts	Amps	System Watts	Amps	System Watts	Amps
120V	11	0.09	16	0.13	18	0.15	14	0.12	21	0.18
277V	11	0.04	16	0.06	18	0.06	14	0.05	21	0.08

Electronic constant current LED driver

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3.5" Round Pendants



PROJECT:

TYPE:

Ordering Information

1	2	3	4	5	6	7	8	9
1	Model			2	Wattage		3	Housing Finish
	RK350RD				RK350RD	RK350RLD/RLW		MW matte white
	RK350RD-REMOTE (remote driver)				11	14		MB matte black
	RK350RLD (lensed)				16	21		SLV matte silver
	RK350RLD-REMOTE (lensed, remote driver)				18°			
	RK350RLW (lensed wall wash)				° Not available for use with			
	RK350RLW-REMOTE (lensed wall wash, remote driver)				CrispWhite color temp.			
4	Mounting (matches housing finish)							
	Canopy/Cord				Surface			
	CC4 canopy/cord, 4' nominal OAL, 120V-277V				SM ^R surface mount, 120V-277V			
	CC8 canopy/cord, 8' nominal OAL, 120V-277V				CDSM ^R conduit surface mount, 120V-277V			
	CC12 canopy/cord, 12' nominal OAL, 120V-277V				Track/Cord (for use with LE/TE driver only)			
	CDCC4 conduit canopy, 4' nominal OAL, 120V-277V				TC8-TN1 ^R straight cord 8', Global GES 1cir/H-Style, 120V			
	CDCC8 conduit canopy, 8' nominal OAL, 120V-277V				TC8-TEK ^R straight cord 8', Global TEK 2cir/2neut, 120V			
	CDCC12 conduit canopy, 12' nominal OAL, 120V-277V				TC8-TN3 ^R straight cord 8', Global XTS 3cir, 120V			
	Stem				TC8-TN2 ^R straight cord 8', Global HTEK 2cir/2neut, 277V			
	RS4 rigid stem, 4' nominal OAL, 120V-277V				TC8-CT ^R straight cord 8', J-Style, 120V			
	RS8 rigid stem, 8' nominal OAL, 120V-277V				TC8-LOL ^R straight cord 8', L-Style 1cir, 120V			
	SS4 ^R swivel stem, 4' nominal OAL, 120V-277V							
	SS8 ^R swivel stem, 8' nominal OAL, 120V-277V							
	CDRS4 conduit rigid stem, 4' nominal OAL, 120V-277V							
	CDRS8 conduit rigid stem, 8' nominal OAL, 120V-277V							
	° Not available for use with remote driver. Consult factory for conduit mounting pricing. Cord and Stem mounts are field cuttable. For custom lengths, consult factory.							
5	Voltage		6	Trim Finish		7	Beam Spread (not applicable on RK350RLW)	
	120*			MW matte white			RK350RD	RK350RLD
	277*			MB matte black			SP spot, 15°	30SOL 30° solite lens
	120-277			SLV matte silver			NF narrow flood, 20°	50SOL 50° solite lens
	* For use with track/cord mounting options.						MFL medium flood, 24°	65SOL 65° solite lens
							FL flood, 28°	75SAT 75° satin ice lens
							WF wide flood, 45°	
							VWF very wide flood, 60°	
							LS linear spread, 60°x10°	
8	Color Temp			9	Driver			
	83 CRI	90+ CRI			LE/TE TRIAC/ELV dimming, 5% dim			
	27 2700K-83	279 2700K-90+	3CLA 3K Class A		0-10V 0-10V dimming, 1% dim			
	30 3000K-83	309 3000K-90+			HILUME-H-ECO Lutron LDE1 Hi-lume®			
	35 3500K-83	359 3500K-90+			1% Soft-On/Fade-to-Black			
	40 4000K-83	409 4000K-90+						
	* Not available for 18W RD model							



Rook® 350

3.5" Round Pendants



PROJECT:

TYPE:

Specifications

Application

Retail and commercial ambient/task lighting

Construction

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

Optical

RK350RD Beam Spreads:

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

RK350RLD 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.

RK350RLW: Engineered nano technology lens provides high transmission while concealing LED image.

LED

Color Temp Options: 2200K, 2700K, 3000K, 3500K, 4000K

CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)

90+ typ. (2200K, 2700K, 3000K, 3500K, 4000K)

Class A* 3000K LED available

R9 Values: 11 (83 CRI), 55 (92 CRI)

Binning: 3 MacAdam (SDCM)

Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs

** 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: 11W, 16W, 18W (RD version) or 14W, 21W (RLD/RLW version)

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.

Drivers

LE/TE - Leading Edge (Triac, Forward Phase) or Trailing Edge (ELV, Reverse Phase) autosensing driver dims down to 5% on most dimming systems.

0-10V and Lutron also available

See pages 9-10 for more dimming information

Finish

Powder coat paint

Consult factory for custom finishes

Mounting

Canopy/cord, rigid stem, swivel stem (not available for use with remote driver) or surface mounting (not available for use with remote driver)

Conduit mounting also available (see pg 4 for details).

Overall length (OAL) is field adjustable and factory set at ± 2" of nominal value.

Straight cord track mounting also available.

Certifications

CSA tested to UL standards

Indoor use only

Damp location

Warranty

5 year limited warranty



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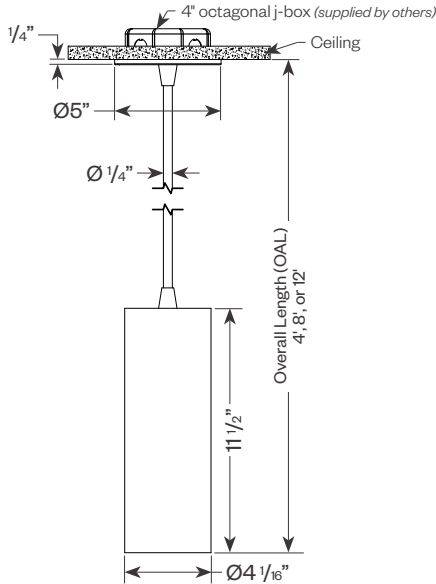


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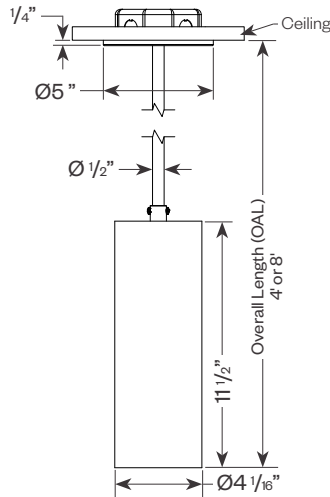
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Product Details

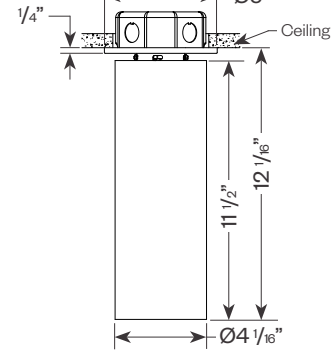
Canopy/Cord Mounting



Rigid Stem Mounting

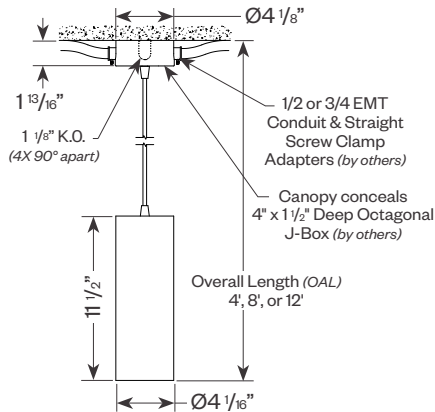


Surface Mounting

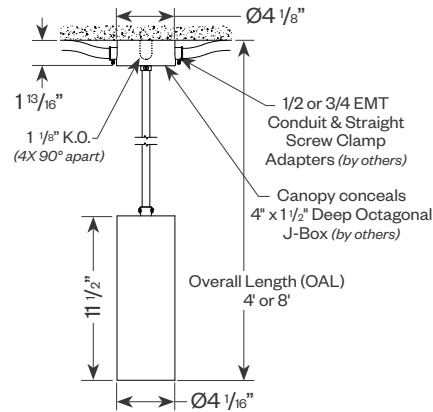


Ceiling Cut Out: Ø 4 1/4"

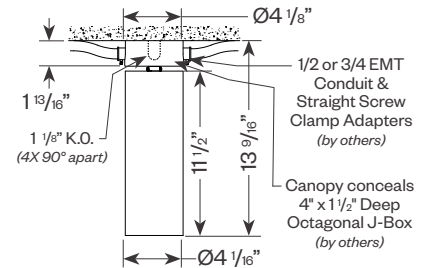
Conduit Canopy/Cord Mounting



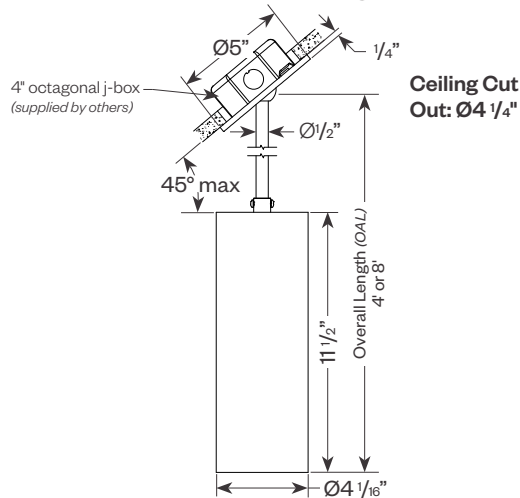
Conduit Rigid Stem Mounting



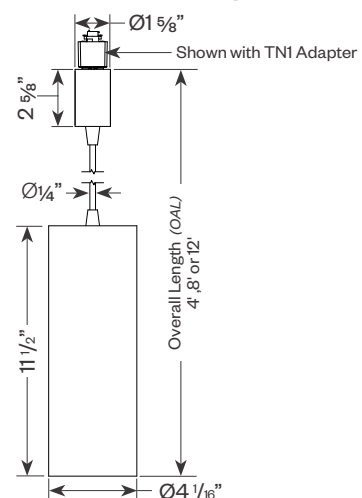
Conduit Surface Mounting



Swivel Stem Mounting



Straight Cord Track Mounting



Delta Intelligent Building Technologies

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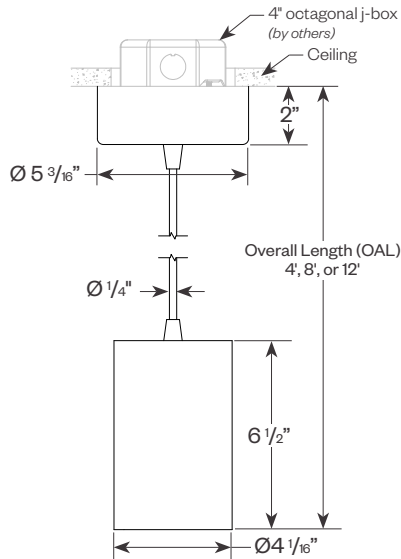


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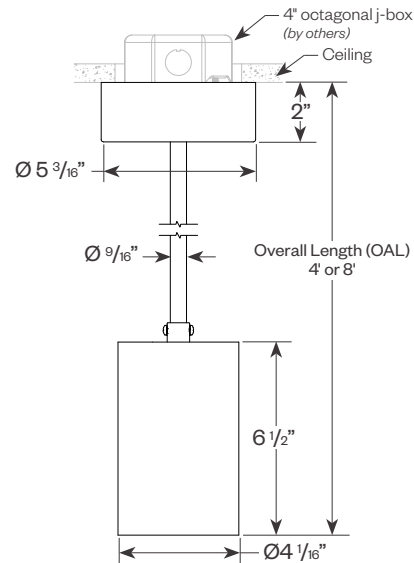
Product Details *(continued)*

Remote Driver Canopy/Cord Mounting

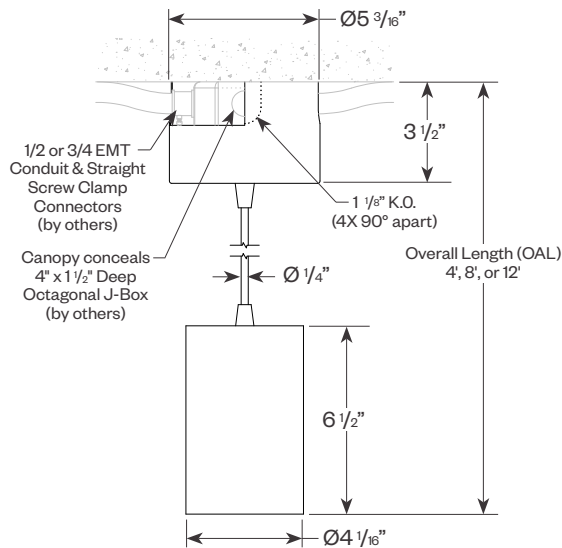


Ceiling Cut Out: $\text{Ø } 4 \frac{1}{4}"$

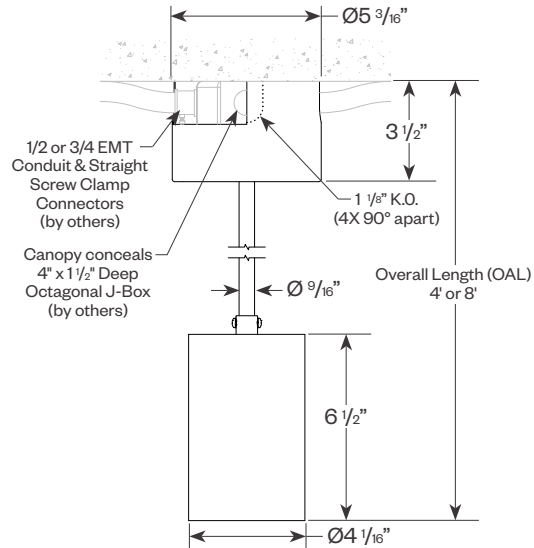
Remote Driver Rigid Stem Mounting



Remote Driver Conduit Canopy/Cord Mounting



Remote Driver Conduit Rigid Stem Mounting



Rook® 350

3.5" Round Pendants



PROJECT:

TYPE:

Performance Data - RK350RD/RK350RD-REMOTE

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

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

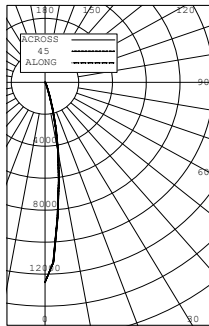
Wattage:	11W	16W	18W
Factor:	0.61	0.89	1.0

OCT:	2200K-90+	2700K-90+	3000K-90+	3500K-90+	4000K-90+	3CLA
Factor:	0.71	0.80	0.83	0.87	0.90	0.75

* Not available for use with 18W

18W, 3000K-83

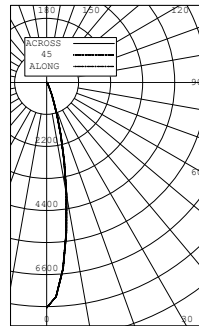
Spot (SP) Distribution, 15°
LTL #818231
Lumens: 1,323



Candelas at Nadir

Deg	Candela
0	12508
5	8495
15	1754
25	190
35	32
45	3

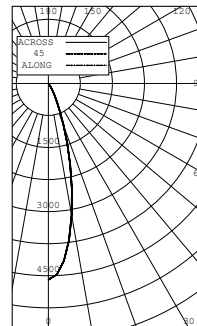
Narrow Flood (NF) Distribution, 22°
LTL #818232
Lumens: 1,236



Candelas at Nadir

Deg	Candela
0	7734
5	6428
15	1866
25	277
35	45
45	4

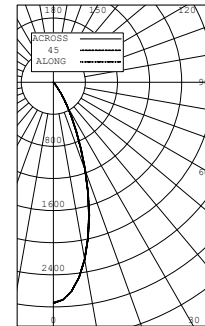
Flood (FL) Distribution, 28°
LTL #818234
Lumens: 1,185



Candelas at Nadir

Deg	Candela
0	4591
5	4168
15	1966
25	470
35	72
45	4

Wide Flood (WF) Distribution, 45°
LTL #818235
Lumens: 1,123



Candelas at Nadir

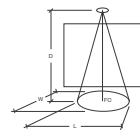
Deg	Candela
0	2751
5	2614
15	1719
25	676
35	141
45	7

Application Data - RK350RD/RK350RD-REMOTE



0° Aiming Angle
Horizontal
Footcandles

	D	FC	L	W
Spot	5.0'	292	1.9	1.9
	7.5'	163	2.6	2.6
	10.0'	102	3.2	3.2
	12.5'	69	3.7	3.7
Narrow Flood	5.0'	231	2.1	2.1
	7.5'	120	2.9	2.9
	10.0'	71	3.7	3.7
	12.5'	47	4.6	4.6
Flood	5.0'	150	2.7	2.7
	7.5'	74	3.6	3.6
	10.0'	43	4.8	4.8
	12.5'	28	5.8	5.8
Wide Flood	5.0'	97	3.2	3.2
	7.5'	46	4.6	4.6
	10.0'	27	6.1	6.1
	12.5'	17	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).



Delta Intelligent Building Technologies

Rook® 350

3.5" Round Pendants



PROJECT:

TYPE:

Performance Data - RK350RLD/RK350RLD-REMOTE

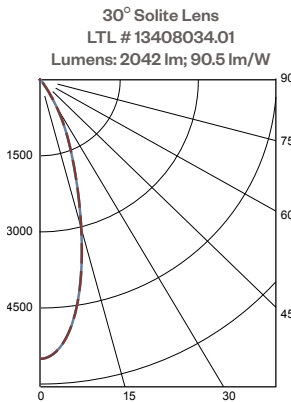
Multiplying Factors: (Multiplying Factor is based on 3000K-83 120V IES file on website)

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

Wattage:	14W	21W
Factor:	0.67	1.0

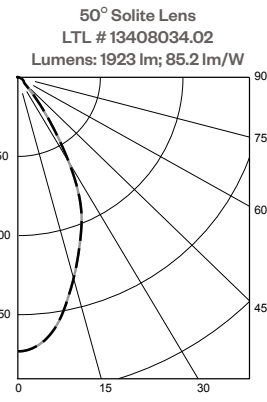
OCT:	2200K-90+	2700K-90+	3000K-90+	3500K-90+	4000K-90+	3CLA
Factor:	0.71	0.80	0.83	0.87	0.90	0.75

21W, 3000K-83



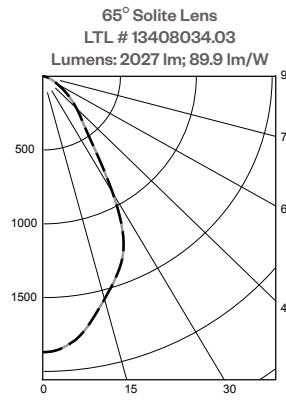
Candelas at Nadir

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



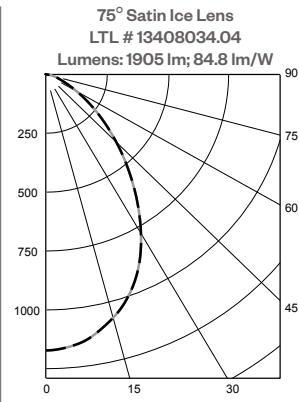
Candelas at Nadir

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



Candelas at Nadir

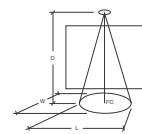
Deg	Candela
0	1869
5	1829
15	1554
25	1228
35	551
45	307



Candelas at Nadir

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

Application Data - RK350RLD/RK350RLD-REMOTE



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).

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

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3.5" Round Pendants



PROJECT:

TYPE:

Performance Data - RK350RLW/RK350RLW-REMOTE

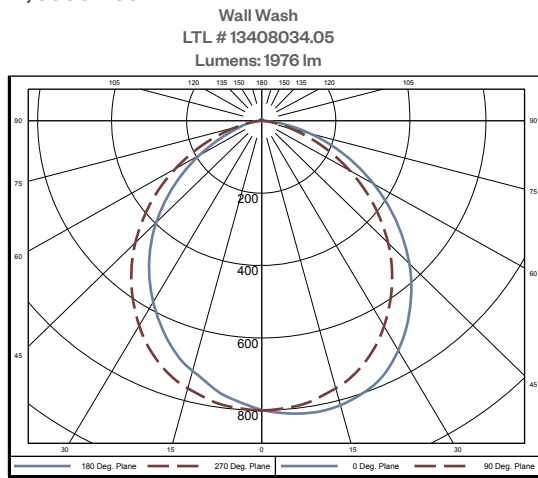
Multiplying Factors: (Multiplying Factor is based on 3000K-83 120V IES file on website)

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

Wattage:	14W	21W
Factor:	0.67	1.0

CCT:	2200K-90+	2700K-90+	3000K-90+	3500K-90+	4000K-90+	3CLA
Factor:	0.71	0.80	0.83	0.87	0.90	0.75

21W, 3000K-83



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	992	50.2
0-60	1665	84.3
0-90	1976	100.0
90-180	0	0.0

Luminaire Efficacy: 87.9 Lm/W

Application Data - RK350RLD/RK350RLD-REMOTE (footcandles on wall)

Footcandles are average and rounded off. Data for multiple units are based on a minimum of five units.

1.5 Feet from Wall

Distance from ceiling	0.5'	1.5'	2.5'	3.5'	4.5'	5.5'	6.5'	7.5'
0.5'	91	95	96	95	91			
1.5'	146	155	159	156	147			
2.5'	104	113	115	113	104			
3.5'	63	70	72	70	64			
4.5'	40	43	45	44	40			
5.5'	27	29	30	30	27			
6.5'	20	21	22	21	20			
7.5'	16	16	17	17	16			

1.5 Feet from Wall

Distance from ceiling	0.5'	1.5'	2.5'	3.5'	4.5'	5.5'	6.5'	7.5'
0.5'	37	40	37	40	37	40	36	
1.5'	72	77	75	78	74	77	72	
2.5'	69	73	74	75	74	73	69	
3.5'	48	52	54	54	54	52	49	
4.5'	33	36	37	38	37	36	33	
5.5'	23	26	27	27	27	26	24	
6.5'	17	19	20	20	20	19	18	
7.5'	14	15	16	16	16	15	14	

2 Feet from Wall

Distance from ceiling	0.5'	1.5'	2.5'	3.5'	4.5'	5.5'	6.5'	7.5'
0.5'	39	44	42	44	43	44	41	
1.5'	83	90	90	92	90	90	83	
2.5'	77	83	85	87	86	84	77	
3.5'	55	59	62	63	62	60	55	
4.5'	38	41	43	44	43	42	38	
5.5'	27	30	31	31	31	30	28	
6.5'	21	22	23	23	23	22	21	
7.5'	16	17	18	18	18	17	16	

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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.

--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

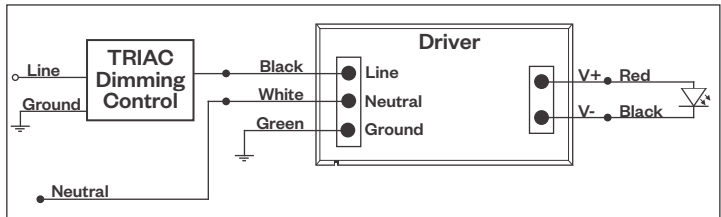
TRIAC (Forward Phase) Dimming

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 "Skylark"	

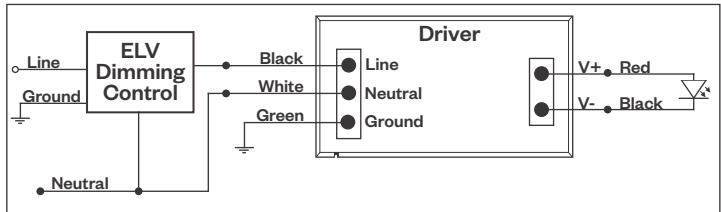
ELV - Electronic Low Voltage (Reverse Phase) Dimming

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 per dimming manufacturer

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 "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 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.



Delta Intelligent Building Technologies

Rook® 350

3.5" Round Pendants



PROJECT:

TYPE:

Dimming Compatibility *(continued)*

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 ---

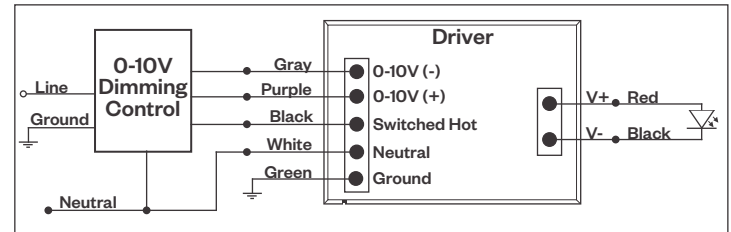
0-10V DIMMING

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" - DVSTV	Lutron Grafik Eye with GRX-TVI Interface
Leviton Renoir II 0-10V	

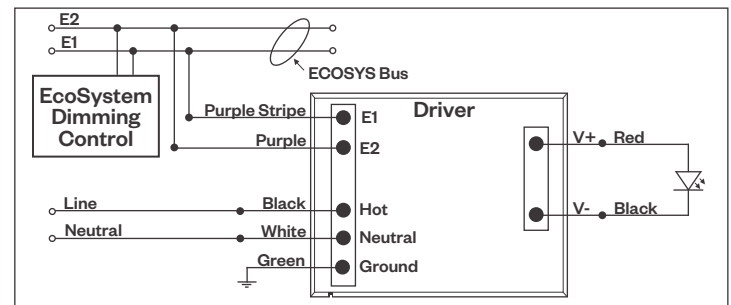
LUTRON LDE1 DIMMING

Integrates into Lutron EcoSystem building management

Notes:

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

LDE1 (HILUME-H-ECO) EcoSystem Digital Control Wiring Diagram



Compatible Dimmers*:

Lutron ECO System	Central System
Pow Pak Dimming Modules	Lutron EcoSystem compatible controls
Energj Savr Node	
Grafik Eye QS/Homeworks	
QS Control Unit	
Quantum Hub	
Homeworks QS/My Room	

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 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.