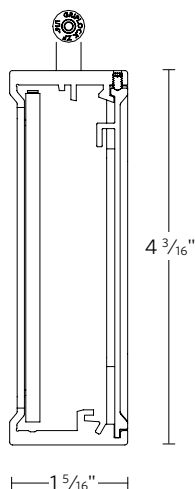


## DIMENSIONS

### □ RNNAVWW



## DETAILS



SQEP (Square End Plate)

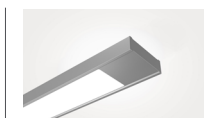


SCEP (Sculpted End Plate)

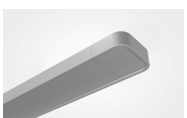


REP (Round End Plate)

## COMPANION LUMINAIRE(S)



RNNAD (Direct Only)



RNNAI (Indirect Only)



RNNAS (Surface Mount)

## HIGHLIGHTS

- Total System Integration features 5-year limited warranty by Acuity Brands covering all components and construction
- 4' and 8' sections. Four base direct and indirect distributions available
- Up to 90 lm/W
- High performance batwing distribution using injection molded optic.
- Optical system specifically designed to create a proportioned wall wash distribution
- Flicker free dimming to dark (0.1%) powered by Modulus power and control architecture with integrated digital nLight® module for system networking
- Standard square end plates, rounded or sculpted end plates optional
- White, black, painted aluminum or custom color
- Mainstream Dynamic Tunable White with nTune™ Technology



eldoLED



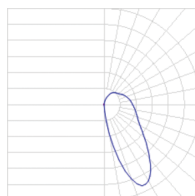
Declare.

## LUMEN PACKAGES

Based on 3500K. Additional color temperatures available.

Vertical Wall Wash LED Output	300LMF	500LMF	700LMF	900LMF
Vertical Wall Wash Delivered Lumens Per Foot	300	500	700	900
Total Delivered Lumens Per Foot	295	445	623	799
Input Watts Per Foot	3.5	5.8	7.1	8.8
Lumens Per Watt	83	87	87	90

## STANDARD DISTRIBUTION



60% Up | 40% Down

## CUSTOMIZATION

Ask us about the following possibilities: Transitions, additional distributions, additional mounting options, custom colors, and other modifications.





A+ Capable options indicated  
by this color background.

**MODEL NUMBER** Example: RNNAVWW LLP 24FT MSL8 90CRI TUWH PROR 500LMF DARK NLT 120 F2/48A C210 REP

Luminaire	Linear Length Plan	Total Run Length	Maximum Section Length	LED Color Rendering	Dynamic Feature	Dynamic Range
<b>RNNAVWW</b>	<b>LLP</b> Linear longest possible <b>LSL</b> Longest same length <b>LCB</b> Longest Center Balanced	<b>__FT</b> <i>Indicate Luminaire Row Length in 2' increments. Ex: 24FT            *2' only available in a run not as an individual fixture. Ex 6FT MSL4</i>	<b>MSL4</b> 4' Section(s) <b>MSL8</b> 8' Section(s)	<b>90CRI</b> 90+ CRI	<b>TUWH</b> Tunable White	<b>PROR</b> 3000K-5000K

Vertical Wall Wash LED Output	Minimum Dimming Level	Control Input	Voltage	Emergency Options
<b>300LMF</b> 300 Nominal lumens per foot <b>500LMF</b> 500 Nominal lumens per foot <b>700LMF</b> 700 Nominal lumens per foot <b>900LMF</b> 900 Nominal lumens per foot <i>*Available in 100 lumen increments between min &amp; max LMF</i>	<b>DARK</b> Constant current, dimming to < 1% <b>MIN1</b> Constant Current dimming to 1%	<b>NLT*</b> nLight nTune interface <i>*Will use logarithmic dimming curve</i>	<b>120</b> 120V <b>277</b> 277V <b>347*</b> 347V <b>MVOLT</b> 120V-277V <i>*347V not available with ECOI, EC or WEC</i>	<b>(Blank)</b> None <b>_EC</b> Emergency circuit module <b>WEC</b> Whole run on EC circuit

Mounting Type/	Overall Suspension	Color	End Caps	Options
<b>F1/*</b> T-bar ceiling (universal mounting bracket) <b>F1A/*</b> T-bar ceiling (universal mounting bracket) with integrated J-box <b>F2/**</b> Hard ceiling (horizontal J-box) <i>*F1 &amp; F1A Mount uses standard 3 1/2" canopy on feed and 2" canopy on support            **F2 Mount uses standard 5" canopy on feed and 2" canopy on support            ***All feed cords, cord managers and canopies are standard white. They are not painted to match fixture color.</i>	<b>24A</b> 24" adjustable <b>48A</b> 48" adjustable <b>96A</b> 96" adjustable <b>144A</b> 144" adjustable <i>Measured from ceiling to bottom of luminaire.</i>	<b>C210</b> Textured White <b>C202</b> Textured Black <b>C110</b> Painted Aluminum <b>C099</b> Custom color <b>RALTB*</b> RAL Paint Finishes <i>*RALTB for pricing only, replace with applicable RAL call out when ready to order. See the <a href="#">RAL BROCHURE</a> for available options</i>	<b>SQEP</b> Square End Caps <b>SCEP</b> Sculpted End Caps <b>REP</b> Rounded End Caps	<b>BLK</b> Black cord, cord manager and canopy <b>CP</b> Chicago Plenum <b>MCS</b> Matching Canopy at support for aesthetics <b>OJB</b> Offset J-box at feed <b>SLP*</b> Slope Ceiling <i>*When SLP is chosen need to choose F2 mount and OJB</i>

## SPECIFICATIONS

### Housing

Extruded outer and inner aluminum housing for light weight rigidity and support.

### End Plates

Die-cast aluminum end plates are mechanically attached with no exposed fasteners. Square end plates standard. Sculpted or Rounded end plates are optional.

### Color

Standard colors are textured white, textured black, and painted aluminum. Consult factory for customer colors and RAL color options.

### Luminaire Length

2', 4', and 8' lengths in a single section for nominal suspension spacing of 4' and 8'. For total length, add 2 1/2" for each standard end cap, and 4" for each optional end caps.

### Source

4 standard lumen packages available with 2700K, 3000K, 3500K, 4000K, 5000K CCT all within a 2.5 step MacAdam Ellipse.

### Optics

Vertical Wall Wash optical system consists of multiple layers of high performance optical and diffuse films paired with an acrylic lens, to create a proportionate distribution pattern from a light guide plate.

### Mainstream Dynamic with nTune Technology

This luminaire is enabled with nTune technology, meaning it has the ability to communicate digitally over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of timeclock control, remote status monitoring, and control via SensorView software.

### Modulus Remote Power and Control System

Remote power source provides "natural dimming" with smooth, continuous and flicker-free dimming to dark (0.1%). Syncing for controls: 2mA max.

THD: <10%. Insignificant inrush current at 120 and 277VAC. FCC Class A and B tested for EMI and RFI. When NLIGHT or specified driver will be set for logarithmic dimming curve. If control Input of 0-10V is specified driver will be set for linear dimming curve.

Integrated digital nLight® module enables up to 16 Modulus zones via CAT-5e, when nLight® is selected. The Modulus™ head unit outputs a maximum of 10mA into the nLight® bus. For daylight dimming and/or dual technology detection, see Controls page for external sensor options.

Each modulus head unit utilizes 22 device addresses. Tunable White head units consume 14 device addresses.

### Electrical

LED light engine — consisting of modular LED boards and eldoLED® dimming driver — is rated for 60,000 hours (L80) at 25° C ambient temperature. Pre-wired with 18AWG fixture wire. Plug in electrical connectors included in fixtures sections, hard wire connections to be made at canopies and head units.

### Environment

Suitable for damp location.

### Validation

cULus listed. Tested to UL2108 Standards. LM-79 tested. Individual sections meet FCC Part 15 requirements.

### Packaging

Recycled cardboard box and inserts. Biodegradable, protective luminaire bag. Recycled kraft paper tape.

### Warranty

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

The product images shown are for illustration purposes only and may not be an exact representation of the product.

### A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

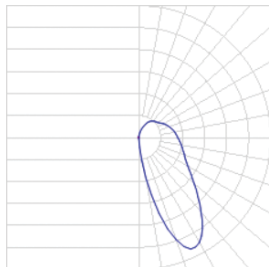
- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background\*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background\*

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

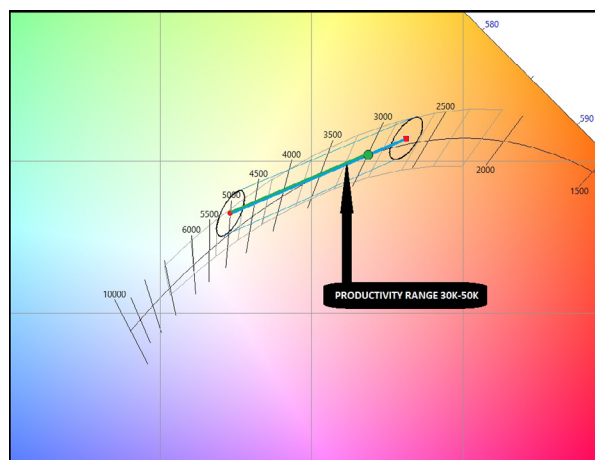
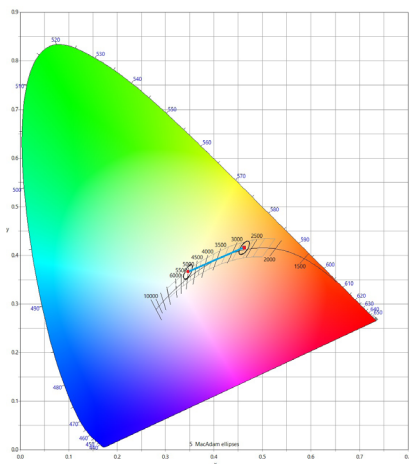
\*See ordering tree for details

The product images shown are for illustration purposes only and may not be an exact representation of the product.

## FIXTURE PERFORMANCE DATA



35K 900LMF  
60 lm/w  
799 delivered lumens



Productivity Range 3000K to 5000K

EXPECTED LIFE: L80@60,000 HOURS

## CCT SCALING CHART

CCT	CRI	MULTIPLIER
27K	90CRI	.92
30K	90CRI	.99
35K	90CRI	1
40K	90CRI	1.01
50K	90CRI	.94

## HEAD UNIT RUN LENGTH CHART

Direct Lumen Output				
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Lumens/4ft	300	500	700	900
Max Run Length	32ft	32ft	32ft	32ft

\*This table indicates 1 Head Unit required for the identified run length \*Lumen values based on 3500K color temperature

**MOST COMMON MOUNTING TYPES AND OPTIONS** Options available for this specific luminaire are checked in the boxes below.

**Mounting Type**

- F1/** For use with most T-Bar and screw slot grid ceilings. Designed for on-grid and off-grid applications.
- F2/** For use with recessed or surface mount horizontal J-box applications.
- F1A/** For use with most T-Bar and screw slot grid ceilings. Designed for on-grid and off-grid applications. *Comes complete with vertical J-box with built-in wire way. See also CP.*

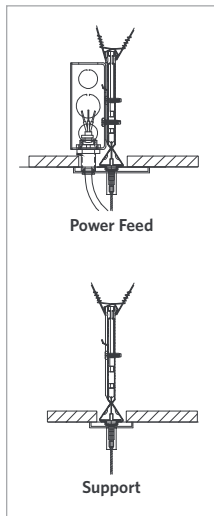
To see more, see the [Hanging Hardware Selection Guide](#).

**Mounting Options**

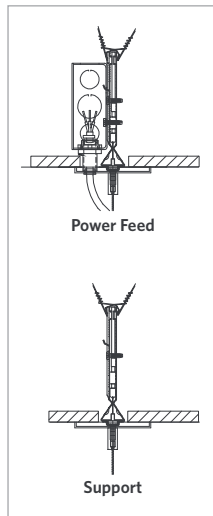
- MCS** Matching canopy at support for aesthetics.
- OJB** Offset J-box at feed.
- SLP OJB** Sloped ceiling couplers and offset J-box option at feed.

✓ Indicates mounting options available with this luminaire.

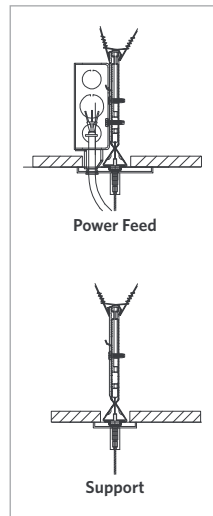
✓ F1/



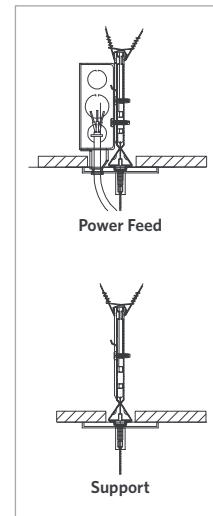
✓ F1/MCS



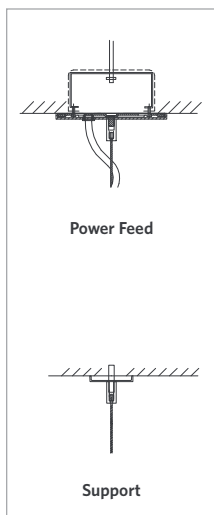
✓ F1A/



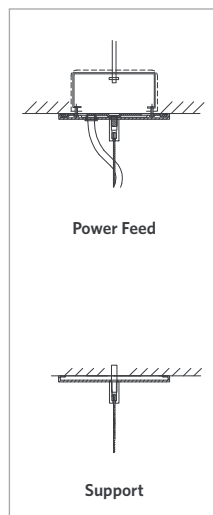
✓ F1A/MCS



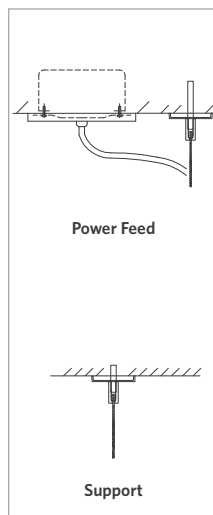
✓ F2/



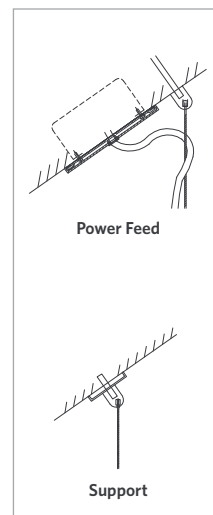
✓ F2/MCS



✓ F2/OJB



✓ F2/SLP OJB



## LINEAR PLAN:

PEERLESS offers the ability to provide a continuous run plan to suit your requirements by optionally offering three different methods of configuration.

### LSL- Linear Same Length:

In this configuration, each segment is the same length and is standardized based on the longest length available and is the only option provided. Because it is dependent on one segment length there are mathematical limitations on what overall row lengths can be achieved. Example: 20 FT row would be achieved with 5, 4 FT long segments equaling 20 FT (nominal).

<b>LSL</b>	4FT	4FT	4FT	4FT	4FT
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### LLP- Linear Longest Possible

In this configuration, the longest length available is optimized, resulting in the fewest segments and mounting locations. Caution, should be used where balanced appearance is a concern. Example: 20 FT run would have 2, 8 FT segment and 1, 4 FT segment at the end of the run.

<b>LLP</b>	8 FT	8 FT	4 FT
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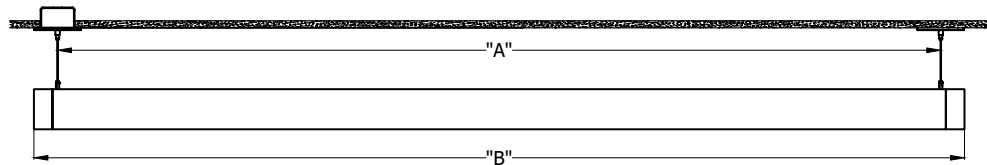
### LCB- Linear Center Balanced:

This configuration incorporates the longest center segment(s) along with any additional lengths required to fill the run length, added to the run ends. Example: 16 FT run would have 2, 4 FT segments (one at each end) and 1, 8 FT segment in the center.

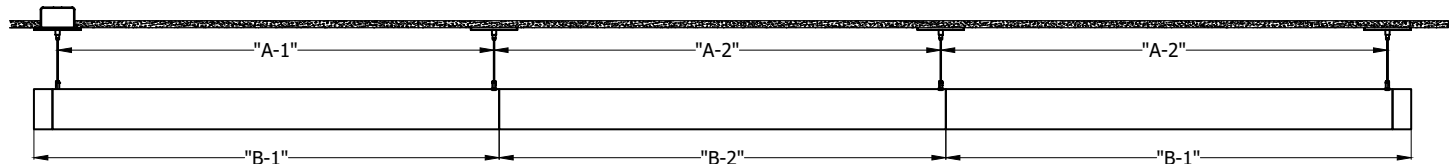
<b>LCB</b>	4 FT	8 FT	4FT
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## WEIGHTS & SUPPORT SPACING

Suspension spacing equals section length. Default location shown.



INDIVIDUAL FIXTURES					
ORDERED LENGTH	"A" O.C.	"B" SQEP OVERALL	"B" SCEP OVERALL	"B" REP OVERALL	APPROX. WEIGHT
2FT	1'-10 7/8"	2'-4"	2'-6"	2'-6"	4LB
4FT	3'-10 7/8"	4'-4"	4'-6"	4'-6"	8LB
8FT	7'-10 7/8"	8'-4"	8'-6"	8'-6"	16LB



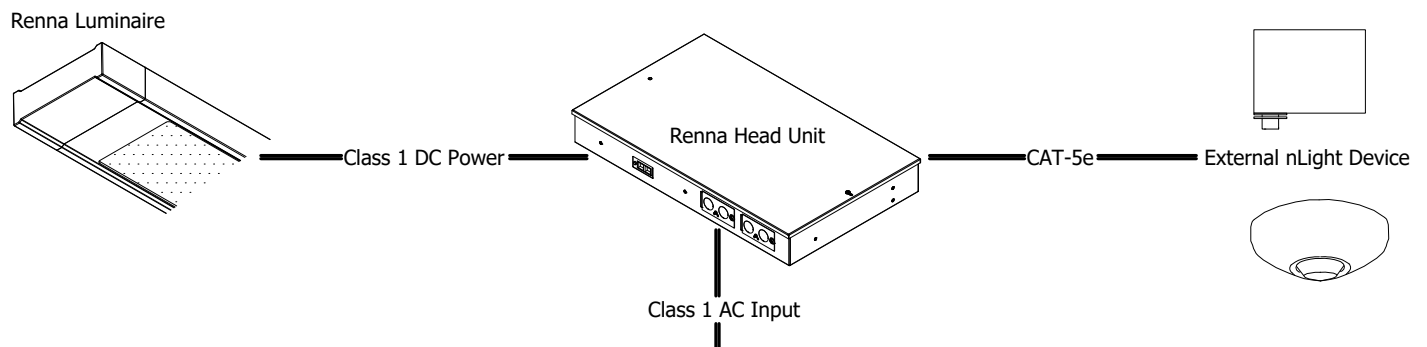
RUN LAYOUT							
ORDERED LENGTH	"A-1" O.C.	"A-2" O.C.	"B-1" SQEP OVERALL	"B-1" SCEP OVERALL	"B-1" REP OVERALL	"B-2" OVERALL	APPROX. WEIGHT
2FT	1'-10 7/8"	2'-0"	2'-2"	2'-3"	2'-3"	2'-0"	4LB
4FT	3'-10 7/8"	4'-0"	4'-2"	4'-3"	4'-3"	4'-0"	8LB
8FT	7'-10 7/8"	8'-0"	8'-2"	8'-3"	8'-3"	8'-0"	16LB

## INTELLIGENT LUMINAIRE CHARTS

Choose nomenclature from these columns					Notes
Minimum Dimming Level		Control Input	Driver	Dimming Range	
MIN1	+	ZT	= eldoLED DCDC DUALdrive	100 to 1%	Linear Dimming, supplied with leads for two independent zones of 0-10V
MIN1	+	NLIGHT	= eldoLED DCDC DUALdrive	100 to 1%	Logarithmic Dimming, nIO EZDCA 16Z in head unit
MIN1	+	NLTAIR2	= eldoLED DCDC DUALdrive	100 to 1%	Logarithmic Dimming, rIO EZDL in head unit with external antenna
MIN1	+	TUWH NLT	= eldoLED DCDC DUALdrive	100 to 1%	Logarithmic Dimming, nIO EZDCA CCT in head unit
MIN1	+	ECO1	= eldoLED DCDC DUALdrive	100 to 1%	Logarithmic Dimming, Lutron TVI-LMF-2A Ecosystem -> 0-10V converter in head unit
DARK	+	ZT	= eldoLED DCDC DUALdrive	100 to 0.1%	Linear Dimming, supplied with leads for two independent zones of 0-10V
DARK	+	NLIGHT	= eldoLED DCDC DUALdrive	100 to 0.1%	Logarithmic Dimming, nIO EZDCA 16Z in head unit
DARK	+	NLTAIR2	= eldoLED DCDC DUALdrive	100 to 0.1%	Logarithmic Dimming, rIO EZDL in head unit with external antenna
DARK	+	TUWH NLT	= eldoLED DCDC DUALdrive	100 to 0.1%	Logarithmic Dimming, nIO EZDCA CCT in head unit

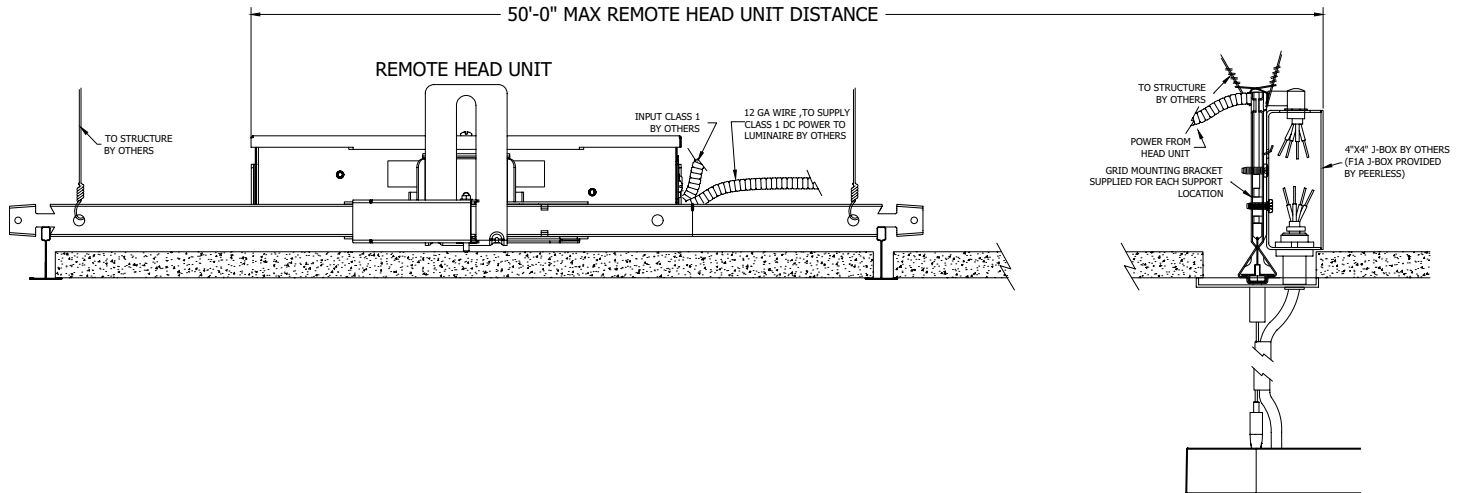
## CONTROLS

### FOR EXTERNAL CONTROLS

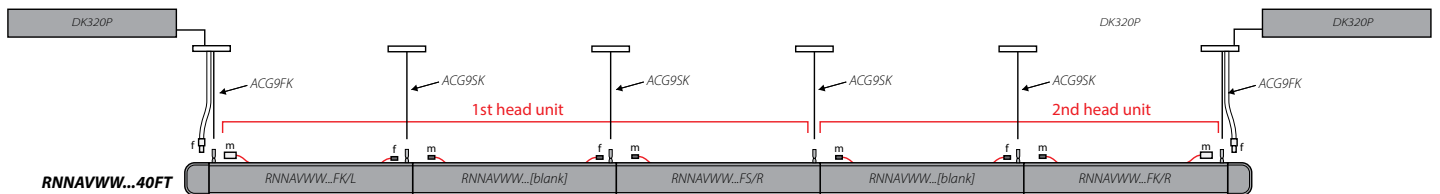
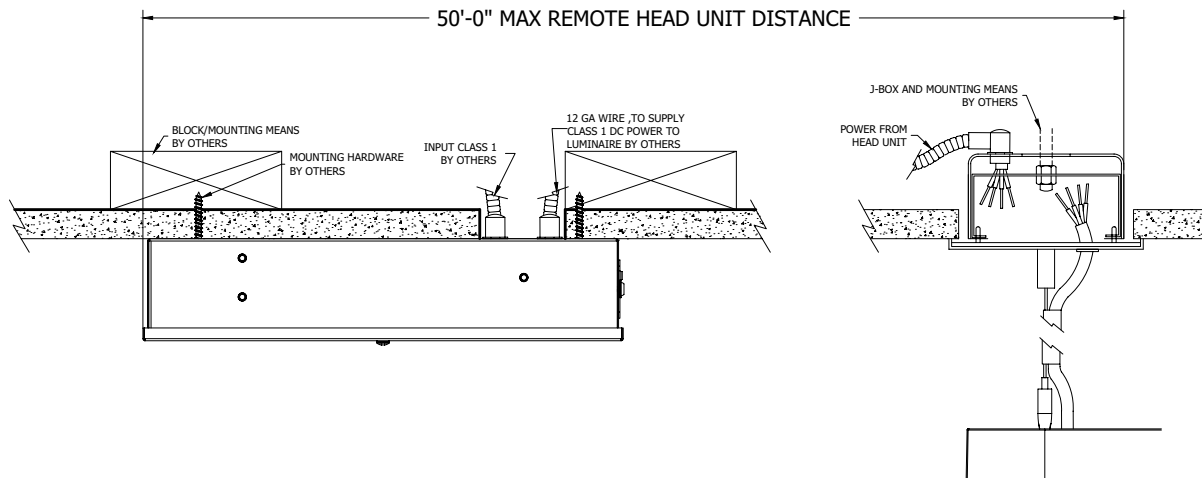


## REMOTE HEAD UNITS

### F1 CEILING DETAILS



### F2 CEILING DETAILS

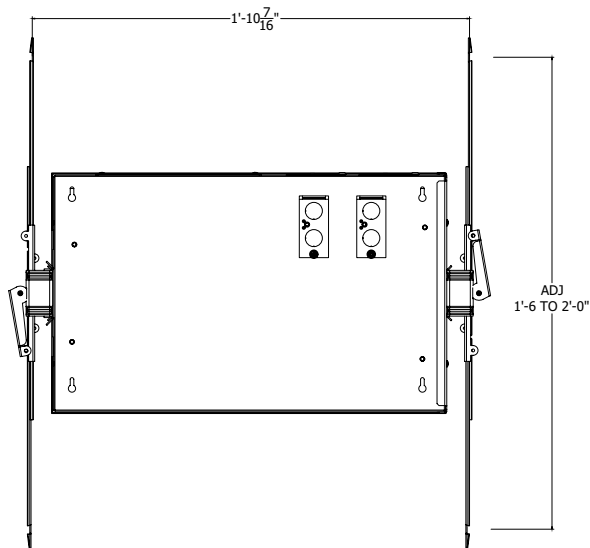




## REMOTE HEAD UNITS

### F1 HEAD UNIT DETAILS

#### MOUNTING LOCATIONS

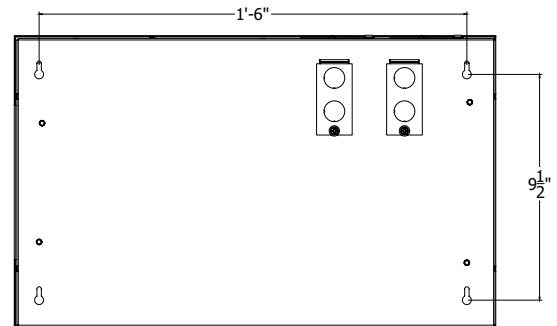


#### OVERALL DIMENSIONS

2'-2 1/4" x 2'-3/4" x 4 3/4"

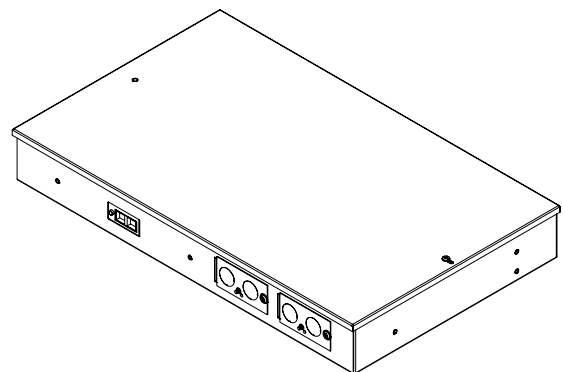
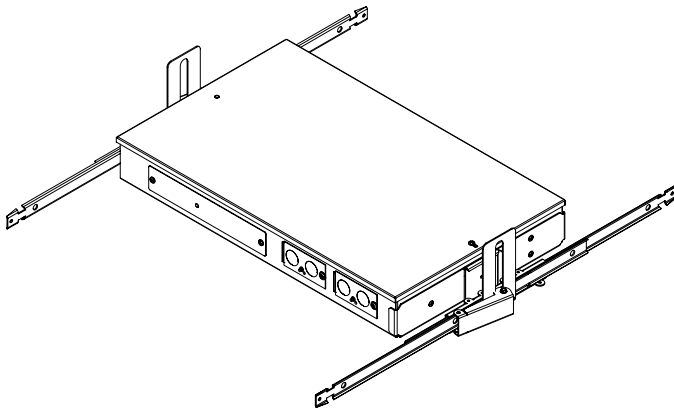
### F2 HEAD UNIT DETAILS

#### MOUNTING LOCATIONS

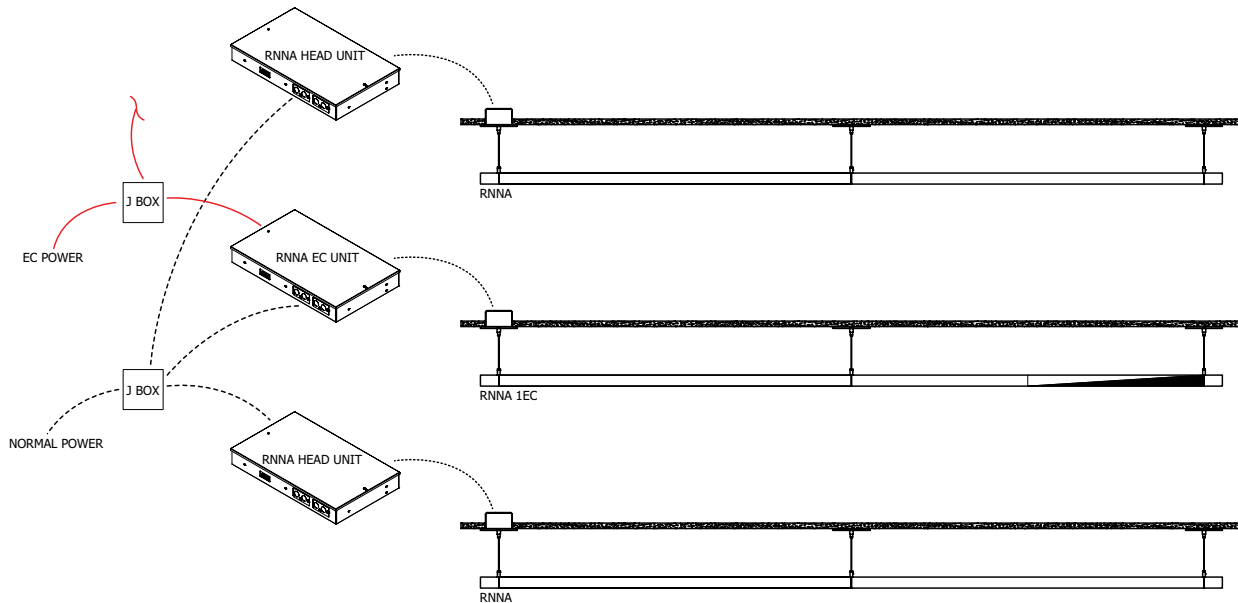


#### OVERALL DIMENSIONS

1'-8 1/4" x 1'-3/8" x 2 5/8"



## TYPICAL BUILDING LAYOUT



\*Emergency power for the Head Unit is not supposed to be daisy chained from another head unit.

## EMERGENCY OPTIONS

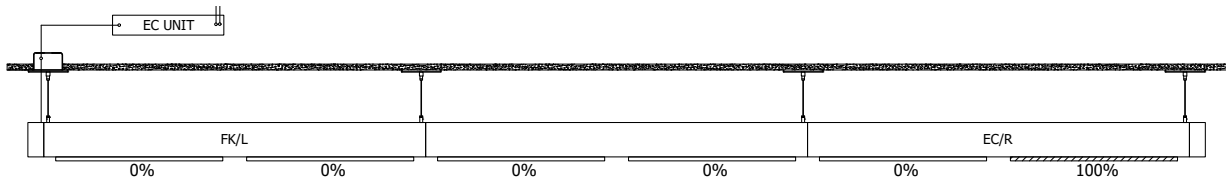
### RNNAVWW

Emergency Options:

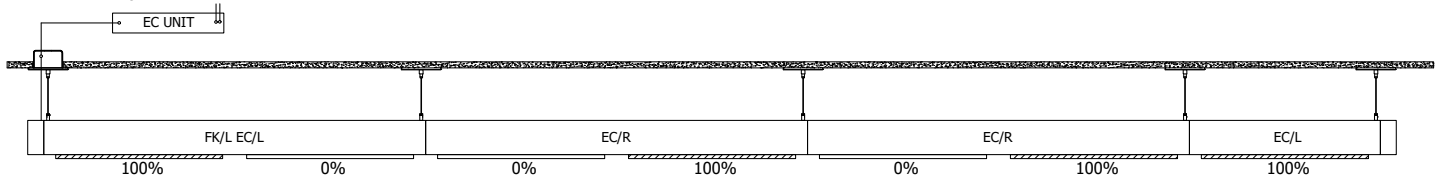
EC circuits default to the right side 4' section, of an 8' fixture (EC/R) and the complete section of a 4' fixture (EC/L). Single EC circuit defaults to the last 4' of the run. Dual EC circuits default to the last 4' of the run and the first 4' of the run. Additional circuits will be added from the end of the run using the last 4' of an 8' fixture or complete 4' fixtures. If the final fixture is a 2' fixture, the EC circuit will be placed at the next available 4' or 8' fixture section from the end of the run.

### EXAMPLES OF TYPICAL EMERGENCY LAYOUTS.

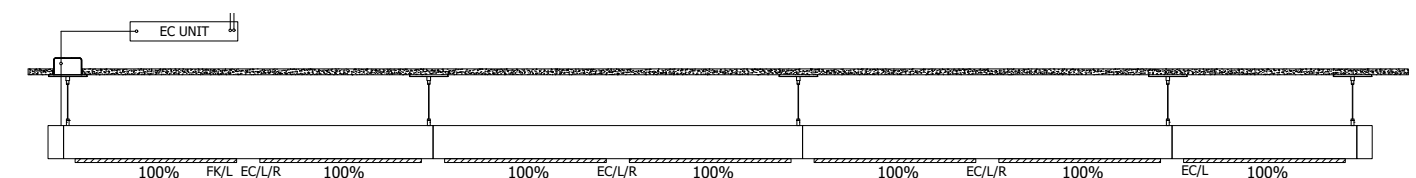
RNNAVWW LLP...1EC



RNNAVWW LLP...4EC



RNNAVWW LLP...WEC



\*During Emergency modes the indirect portion of the luminaire will be disabled.