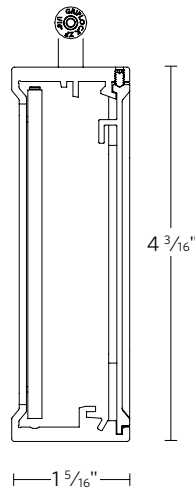
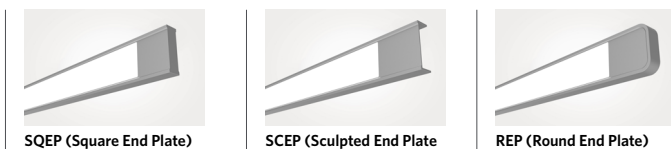


DIMENSIONS

□ RNNAVWW



DETAILS



COMPANION LUMINAIRE(S)



HIGHLIGHTS

- Total System Integration features 5-year limited warranty by Acuity Brands covering all components and construction
- 4' and 8' sections. Four base direct 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



eldoLED



Declare.

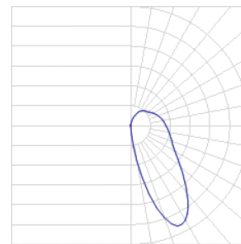
LUMEN PACKAGES

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 40K 500LMF DARK NLIGHT 120 F2/48A C210 REP

Luminaire	Linear Length Plan	Total Run Length	Maximum Section Length	LED Color Rendering	LED Color Temperature
RNNAVWW	LLP Linear longest possible LSL Longest same length LCB Longest Center Balanced	_FT Indicate Luminaire Row Length in 2' increments. Ex: 24FT *2' only available in a run not as an individual fixture. Ex 6FT MSL4	MSL4 4' Section(s) MSL8 8' Section(s)	90CRI 90+ CRI	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K

Vertical Wall Wash LED Output	Minimum Dimming Level	Control Input	Voltage	Emergency Options
300LMF 300 Nominal lumens per foot 500LMF 500 Nominal lumens per foot 700LMF 700 Nominal lumens per foot 900LMF 900 Nominal lumens per foot **Available in 100 lumen increments between min & max LMF	DARK Constant current, dimming to < 1% MIN1 Constant Current dimming to 1%	ZT* 0-10V NLIGHT** nLight enabled DALI*** DALI enabled NLTAIR2 nLight AIR enabled ECO1 Lutron Ecosystem Interface *0-10V will use linear dimming curve ** Will use logarithmic dimming curve ***Not available with sensors ***Will use logarithmic dimming curve	120 120V 277 277V 347* 347V MVOLT 120V-277V *347V not available with ECO1, EC, E35INV or WEC	(Blank) None _EC Emergency circuit module E35INV* 35W Emergency Micro Inverter WEC Whole run on EC circuit *Not available with 27K, 50K, 347V, MVOLT or CP Only available on runs of 8ft or greater

Primary Zone	Secondary Zone	Tertiary Zone
(blank) Select if single zone NS__ Select if multi-zones required (with no sensors), call out length of zone in feet. Zone length must match whole fixture lengths, zones cannot end mid-fixture. *Not available with NLTAIR2	(blank) SNS__ Select if secondary zone is required (with no sensors), call out length of zone in feet. Zone length must match whole fixture lengths, zones cannot end mid-fixture. *Not available with NLTAIR2	(blank) TNS__ Select if tertiary zone is required (with no sensors), call out length of zone in feet. Zone length must match whole fixture lengths, zones cannot end mid-fixture. *Not available with NLTAIR2

Mounting Type/	Overall Suspension	Color	End Caps	Options
F1/* T-bar ceiling (universal mounting bracket) F1A/* T-bar ceiling (universal mounting bracket) with integrated J-box F2/** Hard ceiling (horizontal J-box) *F1 & 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.	24A 24" adjustable 48A 48" adjustable 96A 96" adjustable 144A 144" adjustable Measured from ceiling to bottom of luminaire.	C210 Textured White C202 Textured Black C110 Painted Aluminum C099 Custom color RALTB* RAL Paint Finishes *RALTB* for pricing only, replace with applicable RAL call out when ready to order. See the RAL BROCHURE for available options	SQEP Square End Caps SCEP Sculpted End Caps REP Rounded End Caps	BLK Black cord, cord manager and canopy CP Chicago Plenum MCS Matching Canopy at support for aesthetics OJB Offset J-box at feed SLP* Slope Ceiling *When SLP is chosen, need to choose F2 mount and OJB

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.

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 DALI is 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

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.

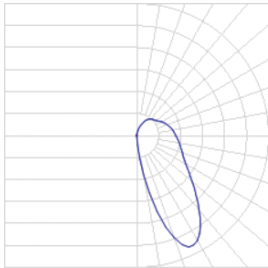
- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight 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.

*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
90 lm/w
799 delivered lumens

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				
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.

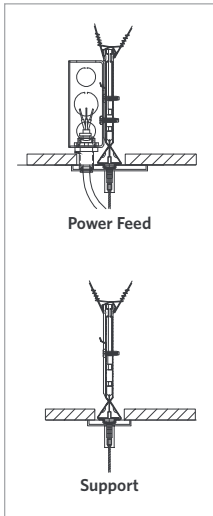
To see more, see the [Hanging Hardware Selection Guide](#).

Mounting Options

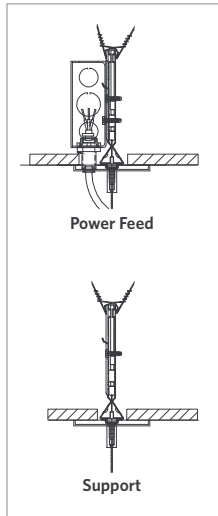
- MCS** Matching canopy at support for aesthetics.
- OJB** Offset J-box at feed.
- SLP OJB** Sloped ceiling couplers and offset J-box option at feed.

✓ Indicates mounting options available with this luminaire.

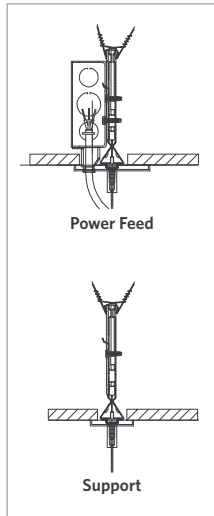
✓ F1/



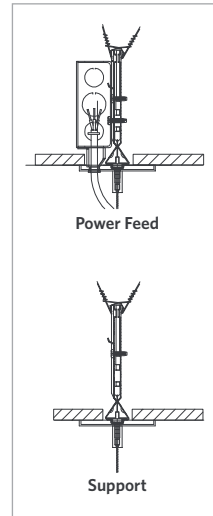
✓ F1/MCS



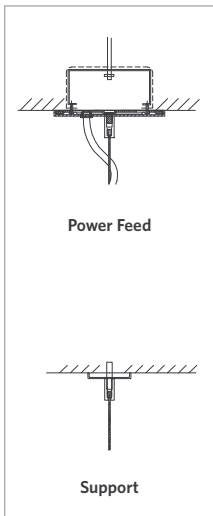
✓ F1A/



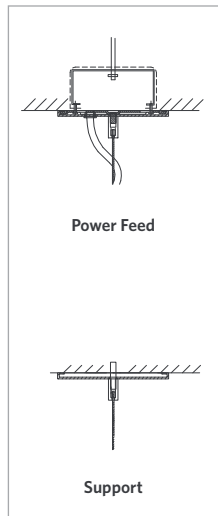
✓ F1A/MCS



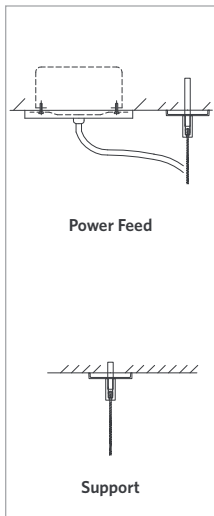
✓ F2/



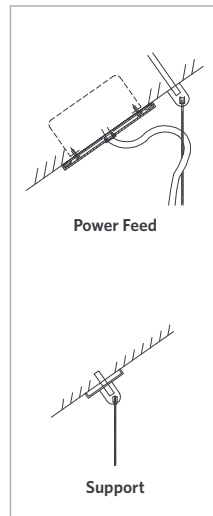
✓ F2/MCS



✓ 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).

LSL	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.

LLP	8 FT	8 FT	4 FT
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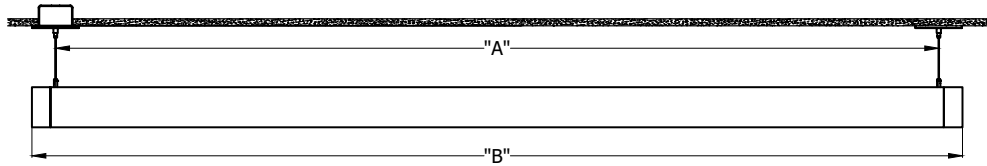
LCB- Linear Center Balanced:

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.

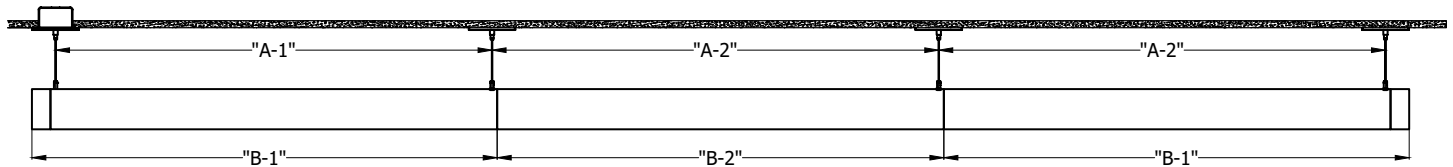
LCB	4 FT	8 FT	4FT
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WEIGHTS & SUPPORT SPACING

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

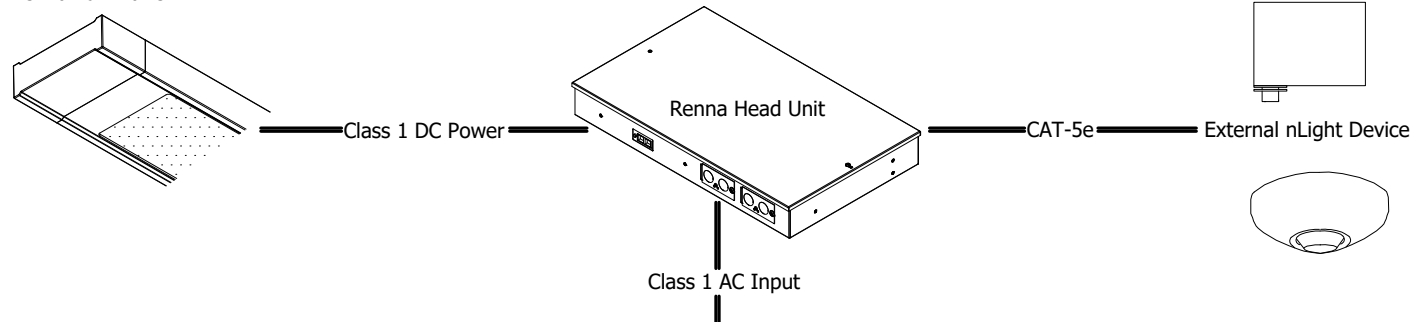
INTELLIGENT LUMINAIRE CHARTS

Choose nomenclature from these columns							
Driver Configurations	Minimum Dimming Level		Control Input		Driver	Dimming Range	Notes
	MIN1	+	DALI	=	eldoLED DCDC DUALdrive	100 to 1%	Logarithmic Dimming, DALI controls and power supply supplied by others
	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	+	DALI	=	eldoLED DCDC DUALdrive	100 to 0.1%	Logarithmic Dimming, DALI controls and power supply supplied by others
	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

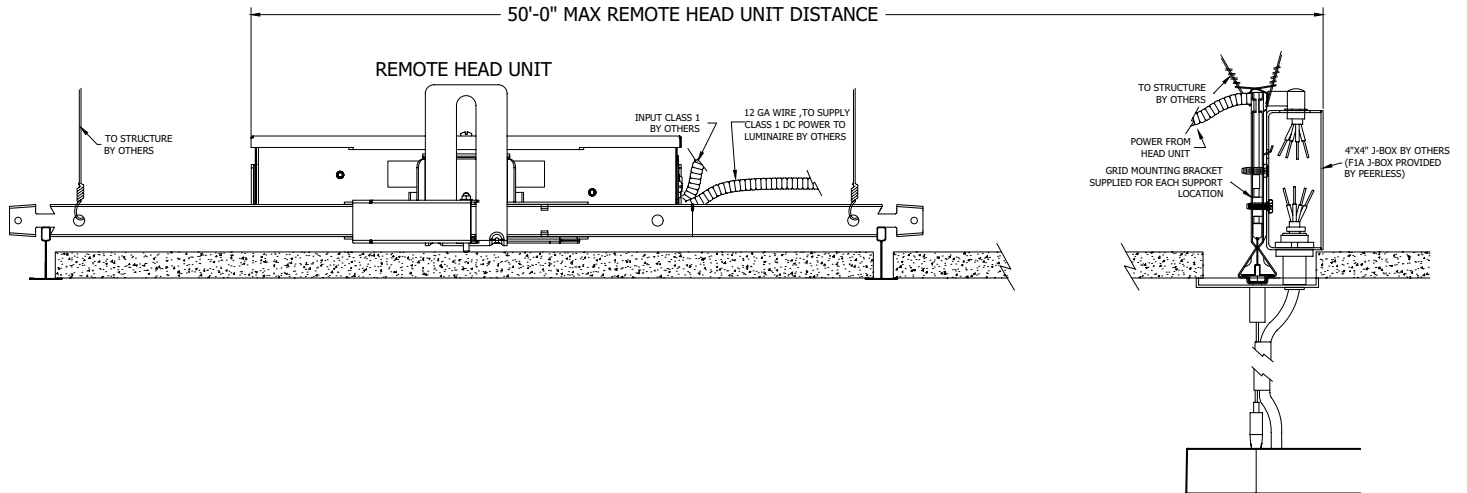
FOR EXTERNAL CONTROLS

Renna Luminaire

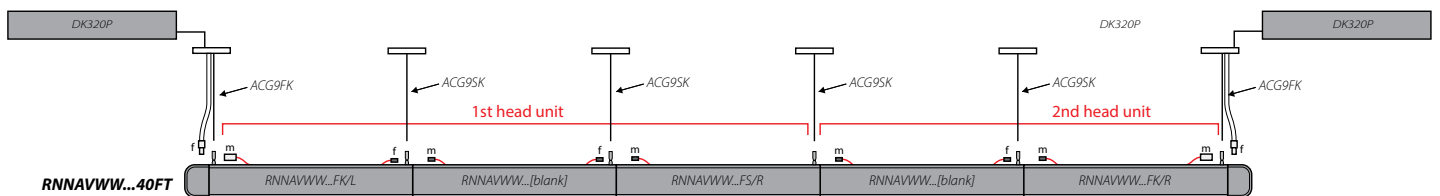
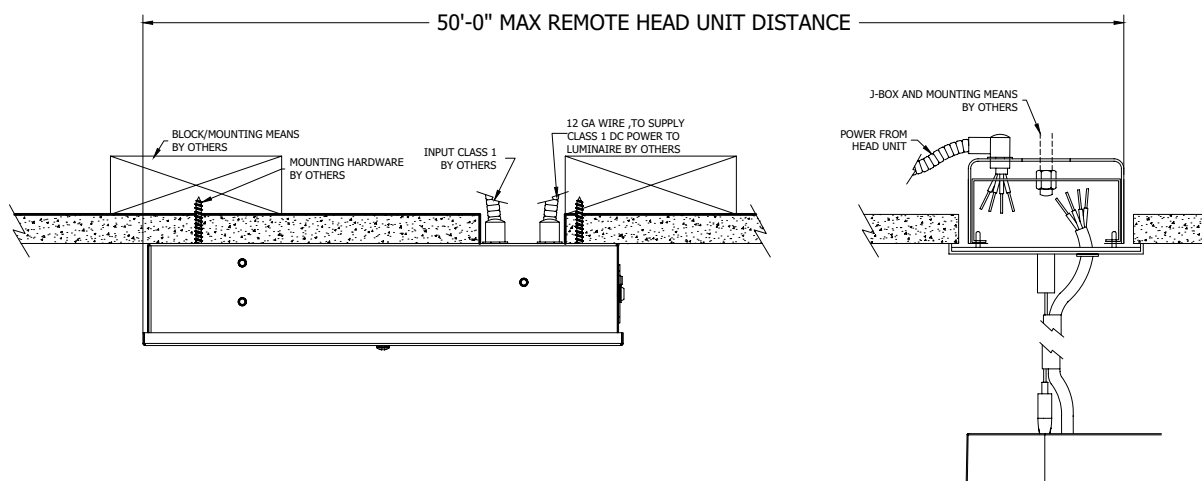


REMOTE HEAD UNITS

F1 CEILING DETAILS



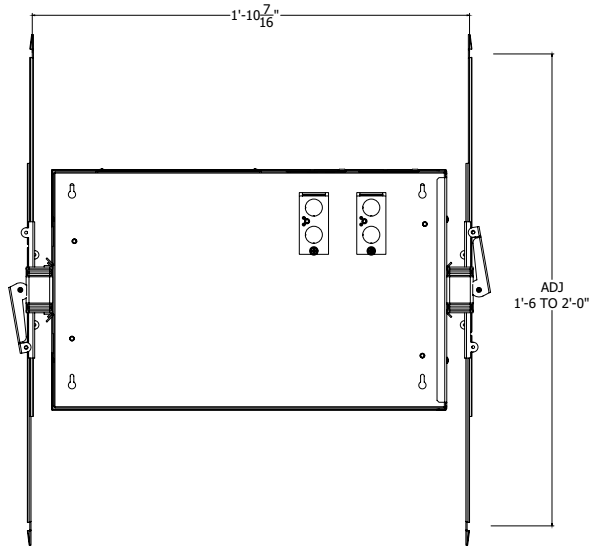
F2 CEILING DETAILS



REMOTE HEAD UNITS

F1 HEAD UNIT DETAILS

MOUNTING LOCATIONS

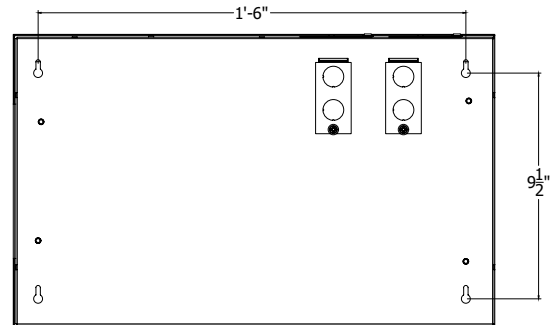


OVERALL DIMENSIONS

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

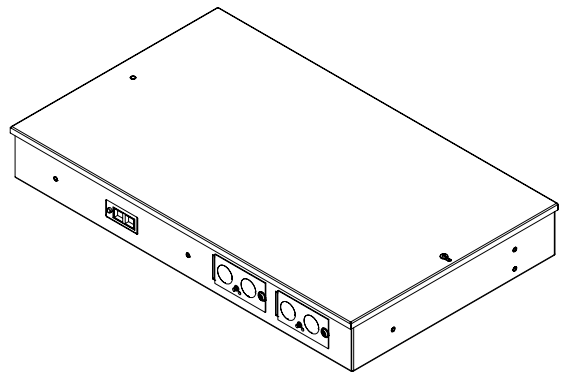
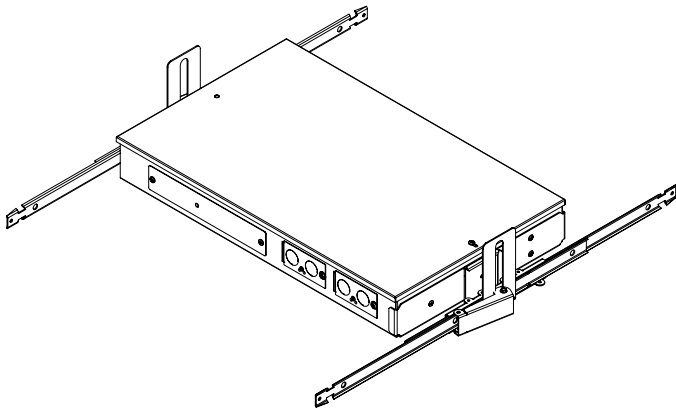
F2 HEAD UNIT DETAILS

MOUNTING LOCATIONS

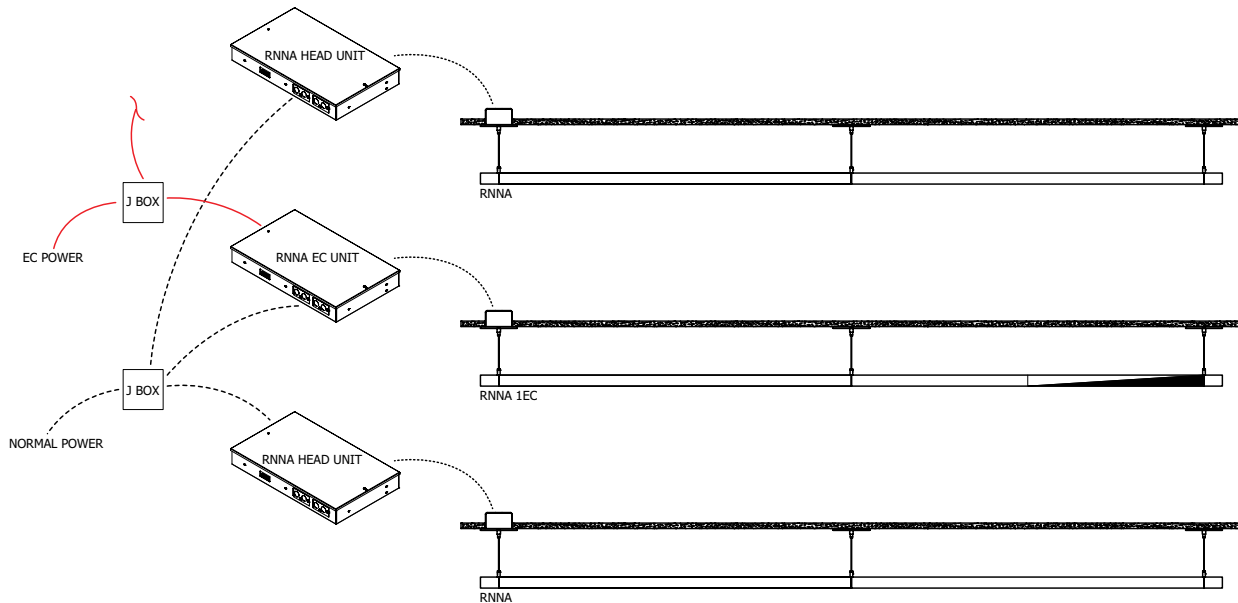


OVERALL DIMENSIONS

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

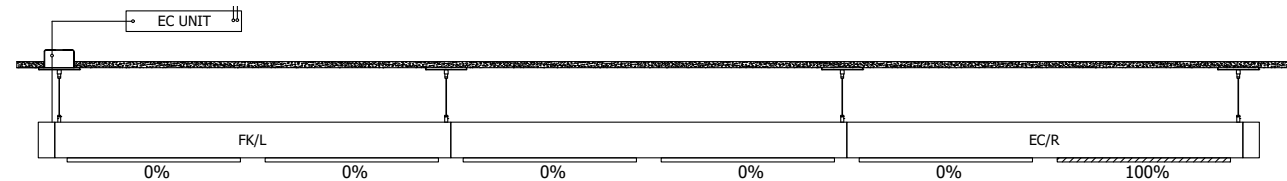
RNNAVWW

Emergency Options:

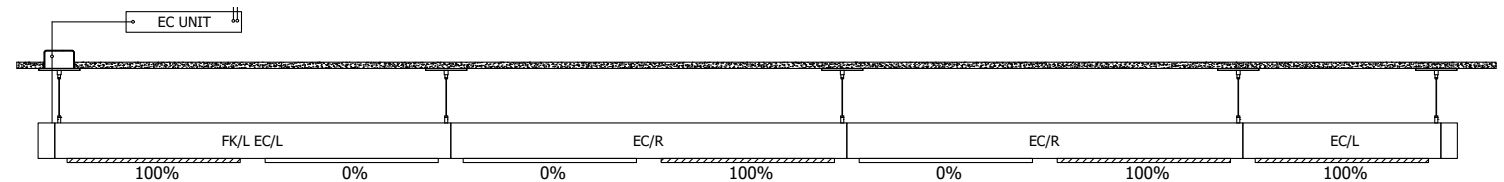
EC circuits default to the right side 4' section, of an 8' fixture (EC/R) and the complete section of a 4' fixture (EC/L). Single EC circuit defaults to the last 4' of the run. Dual EC circuits default to the last 4' of the run and the first 4' of the run. Additional circuits will be added from the end 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.

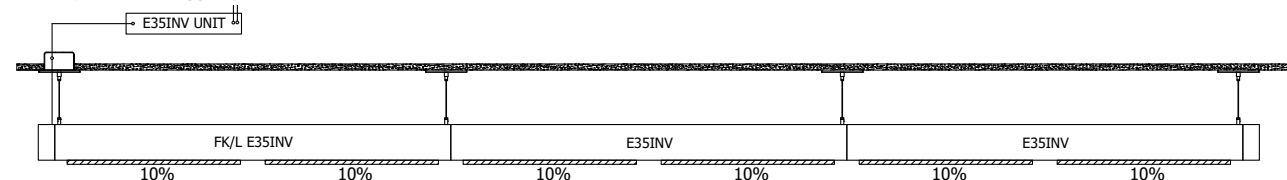
RNNAVWW LLP...1EC



RNNAVWW LLP...4EC



RNNAVWW LLP...E35INV



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

EMERGENCY OPTIONS

RNNAVWW LLP...WEC

