

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 102 lm/W
- Softshine® engineered comfort optics
- Flicker free dimming to dark (0.1%) powered by Modulus power and control architecture with integrated digital nLight® module for system networking
- Available with 3 different flat transitions
- White, black, painted aluminum or custom color



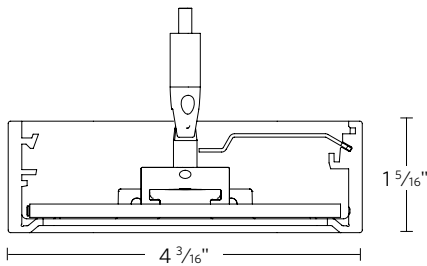
eldoLED



Declare.

DIMENSIONS

□ RNNADP



DETAILS



90FC12 (90 Degree Flat Corner 12in)

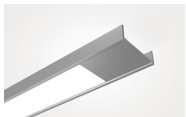


90FCC12 (90 Degree Flat Curved Corner 12in)

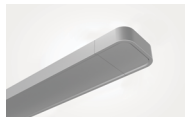


90FC4 (90 Degree Flat Corner 4in)

COMPANION LUMINAIRE(S)



RNNAI (Indirect/Direct)



RNNAI (Indirect)



RNNAVWW (Vertical Wall Wash)

CUSTOMIZATION

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

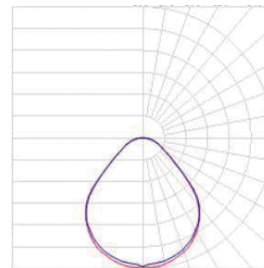
LUMEN PACKAGES

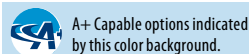
Based on 3500K. Additional color temperatures available.

Direct LED Output	300LMF	500LMF	700LMF	900LMF
Direct Delivered Lumens Per Foot	333	502	703	902
Total Delivered Lumens Per Foot	333	502	703	902
Input Watts Per Foot	3.5	5.0	7.1	8.8
Lumens Per Watt	93	98	99	102

STANDARD DISTRIBUTION

100% Down





MODEL NUMBER Example: RNNADP FRPP 8FTABCD 90FC12 90CRI 35K 300LMF SSH DARK ZT 120 F1/48A C202

Luminaire	Pattern Plan	Primary Sides A & C	Secondary Sides B & D	Flat Corner Transition	LED Color Rendering	LED Color Temperature
RNNADP	FSPP Flat Square pattern	Rectangle 4FTAC 4 Foot Section 8FTAC 8 Foot Section 12FTAC 12 Foot Section 16FTAC 16 Foot Section 24FTAC 24 Foot Section	Rectangle 4FTBD 4 Foot Section 8FTBD 8 Foot Section 12FTBD 12 Foot Section 16FTBD 16 Foot Section 24FTBD 24 Foot Section	90FC4* 90 deg flat corner, 4" 90FC12 90 deg flat corner, 12" 90FCC12 90 deg flat curved corner, 12"	90CRI 90+ CRI	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K
	FRPP Flat Rectangle pattern	Square 4FTABCD 4 Foot Section 8FTABCD 8 Foot Section 12FTABDC 12 Foot Section 16FTABCD 16 Foot Section 24FTABCD 24 Foot Section <i>If not shown above indicate luminaire row length in 4' increments. Ex: 28FT</i>	<i>If not shown above indicate luminaire row length in 4' increments. Ex: 28FT</i>	<i>*If F2 mounting is chosen need to also select OJB option</i>		

Direct LED Output	Direct Lens (Light Guide Plate)	Minimum Dimming Level	Control Input	Voltage
300LMF 300 Nominal lumens per foot 500LMF 500 Nominal lumens per foot 700LMF 700 Nominal lumens per foot 900LMF 900 Nominal lumens per foot <i>*Available in 100 lumen increments between min & max LMF</i>	SSH SoftShine	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 ECOI Lutron Ecosystem Interface <i>*0-10V will use linear dimming curve ** Will use logarithmic dimming curve ***Not available with sensors ***Will use logarithmic dimming curve</i>	120 120V 277 277V 347* 347V MVOLT 120V-277V <i>*347V not available with ECOI, EC, E35INV or WEC</i>

Emergency Options	Mounting Type/	Overall Suspension	Color	Options
(Blank) None _EC Emergency circuit module E35INV * 35W Emergency Micro Inverter WEC Whole run on EC circuit <i>*Not available with 27K, 50K, 347V, MVOLT or CP Only available on runs of 8ft or greater</i>	F1/* T-bar ceiling (universal mounting bracket) F1A/* T-bar ceiling (universal mounting bracket) with integrated J-box F2/** Hard ceiling (horizontal J-box) <i>*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.</i>	24A 24" adjustable 48A 48" adjustable 96A 96" adjustable 144A 144" adjustable <i>Measured from ceiling to bottom of luminaire.</i>	C210 Textured White C202 Textured Black C110 Painted Aluminum C099 Custom color RALTBDD* RAL Paint Finishes <i>*RALTBDD for pricing only, replace with applicable RAL call out when ready to order. See the RAL BROCHURE for available options</i>	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 <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.

Corner Transitions

Die-cast aluminum transitions are mechanically attached to the end of the luminaire. We offer a 12 inch 90-degree corner and a 12inch 90-degree curved corner. We also offer a 4 inch 90-degree corner to complete your flat pattern.

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

Direct optical system consists of Softshine high performance acrylic lens and microstructure film.

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/customer-support/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.

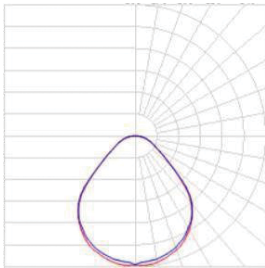
- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight 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
102 lm/w
902 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.*

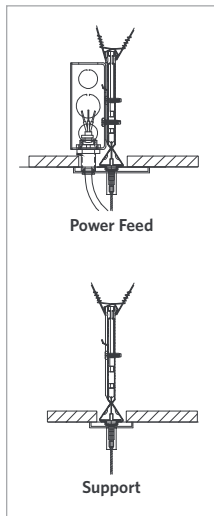
To see more, see the [Hanging Hardware Selection Guide](#).

Mounting Options

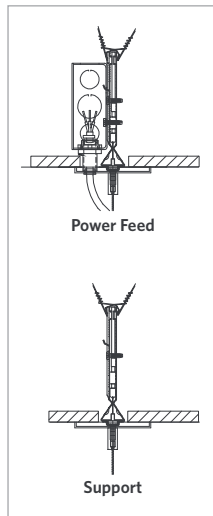
- MCS** Matching canopy at support for aesthetics.
- OJB** Offset J-box at feed.
- SLP OJB** Sloped ceiling couplers and offset J-box option at feed.

☒ Indicates mounting options available with this luminaire.

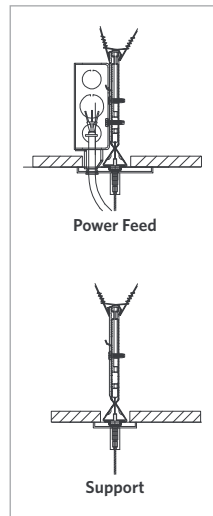
☒ **F1/**



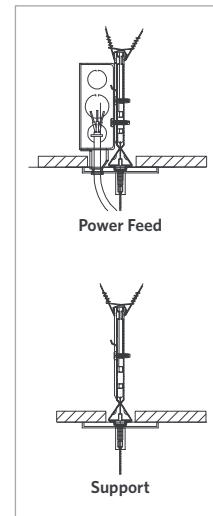
☒ **F1/MCS**



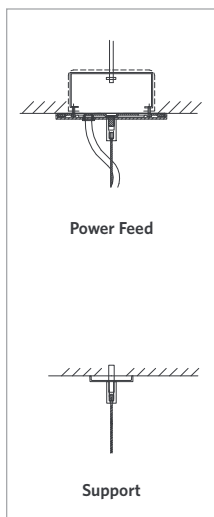
☒ **F1A/**



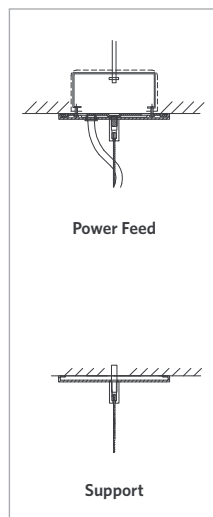
☒ **F1A/MCS**



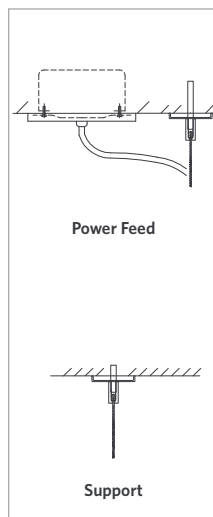
☒ **F2/**



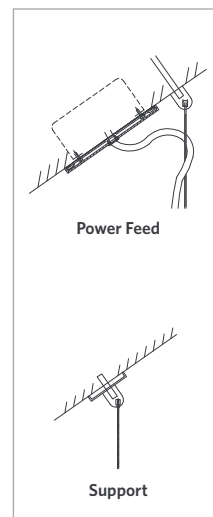
☒ **F2/MCS**



☒ **F2/OJB**

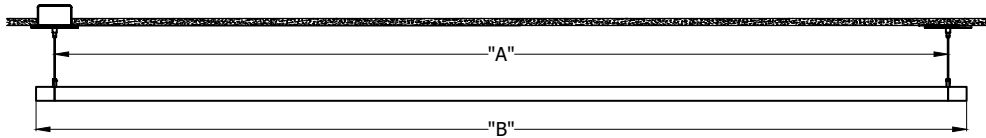


☒ **F2/SLP OJB**

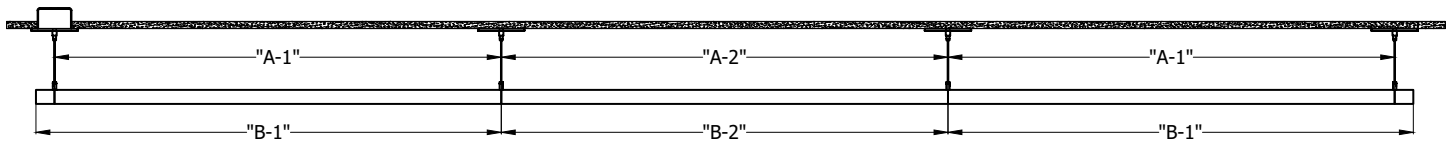


WEIGHTS & SUPPORT SPACING

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	2'-0"	2'-4"	2'-6"	2'-6"	4LB
4FT	4'-0"	4'-4"	4'-6"	4'-6"	8LB
8FT	8'-0"	8'-4"	8'-6"	8'-6"	16LB



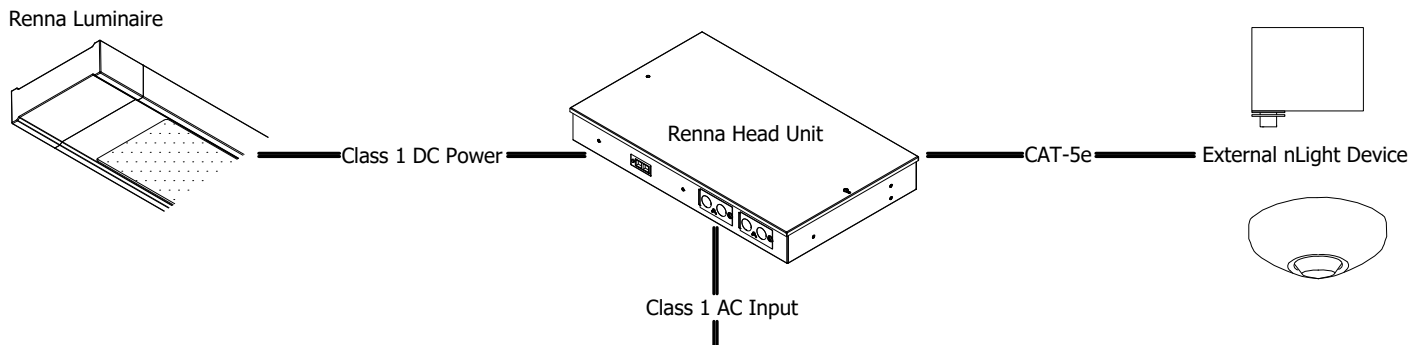
RUN LAYOUT							
ORDERED LENGTH	"A-1" O.C.	"A-2" O.C.	"B-1" SQEP OVERALL	"B-1" SCEP OVERALL	"B-1" REP OVERALL	"B-2" OVERALL	APPROX. WEIGHT
2FT	2'-0"	2'-0"	2'-2"	2'-3"	2'-3"	2'-0"	4LB
4FT	4'-0"	4'-0"	4'-2"	4'-3"	4'-3"	4'-0"	8LB
8FT	8'-0"	8'-0"	8'-2"	8'-3"	8'-3"	8'-0"	16LB

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, nLO EZDCA 16Z in head unit
	MIN1	+	NLTAIR2	=	eldoLED DCDC DUALdrive	100 to 1%	Logarithmic Dimming, rLO EZDL in head unit with external antenna
	MIN1	+	TUWH NLT	=	eldoLED DCDC DUALdrive	100 to 1%	Logarithmic Dimming, nLO EZDCA CCT in head unit
	MIN1	+	ECOI	=	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, nLO EZDCA 16Z in head unit
	DARK	+	NLTAIR2	=	eldoLED DCDC DUALdrive	100 to 0.1%	Logarithmic Dimming, rLO EZDL in head unit with external antenna
	DARK	+	TUWH NLT	=	eldoLED DCDC DUALdrive	100 to 0.1%	Logarithmic Dimming, nLO EZDCA CCT in head unit

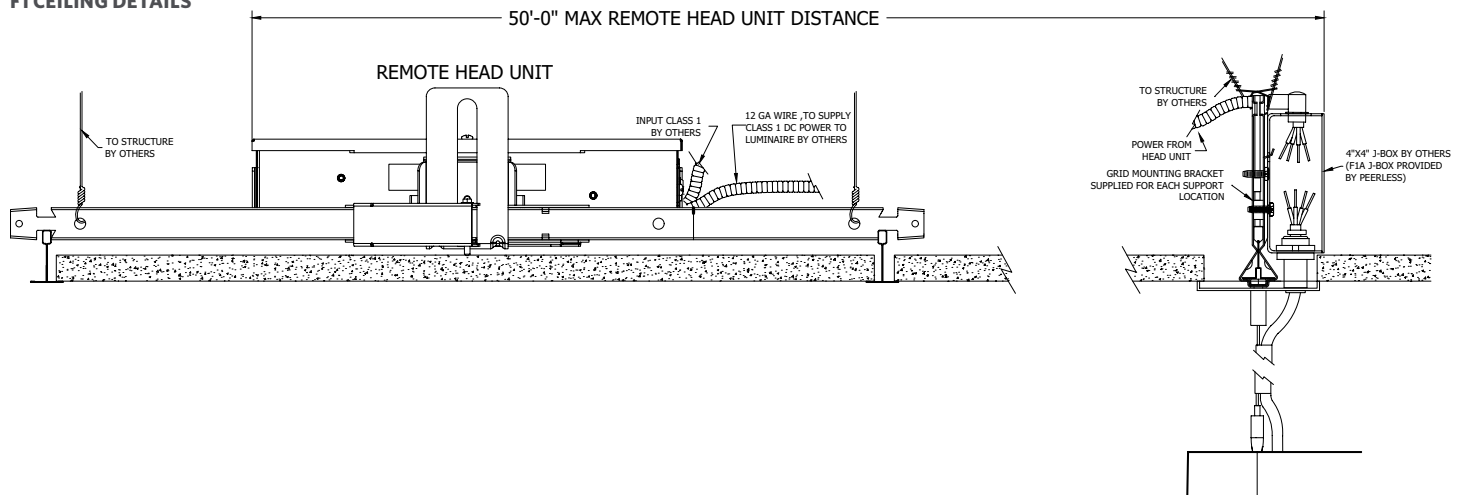
CONTROLS

FOR EXTERNAL CONTROLS

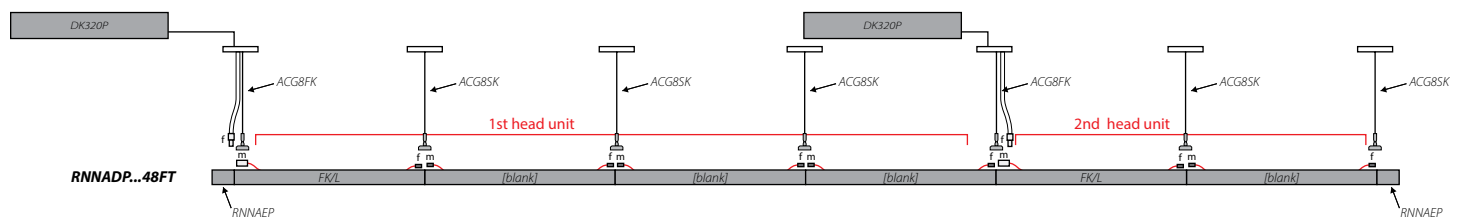
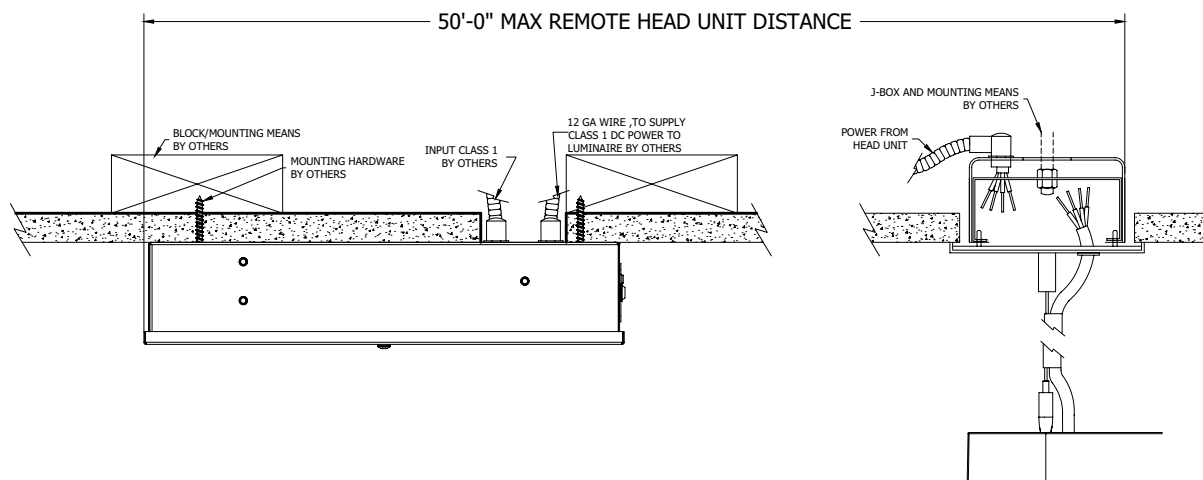


REMOTE HEAD UNITS

F1 CEILING DETAILS



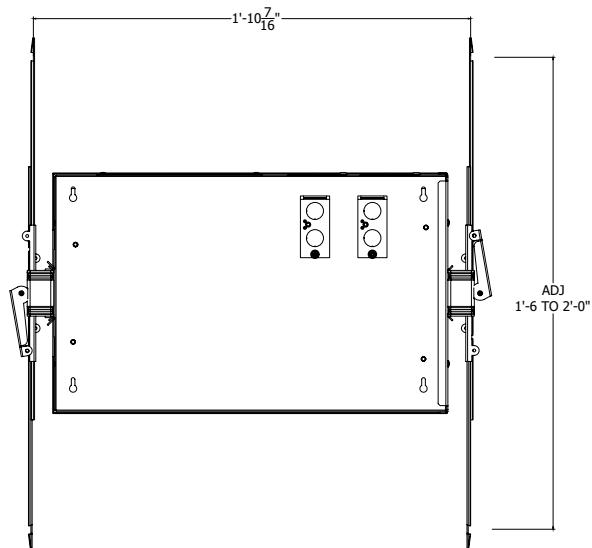
F2 CEILING DETAILS



REMOTE HEAD UNITS

F1 HEAD UNIT DETAILS

MOUNTING LOCATIONS

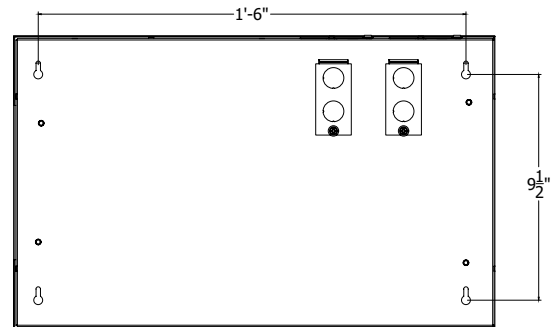


OVERALL DIMENSIONS

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

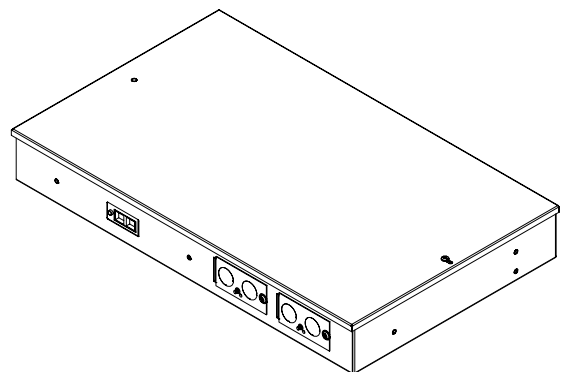
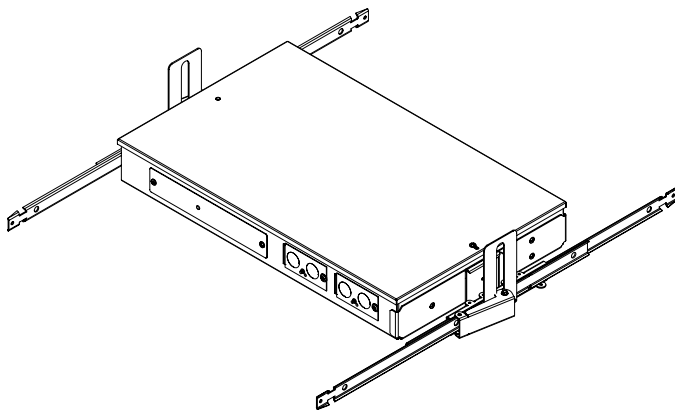
F2 HEAD UNIT DETAILS

MOUNTING LOCATIONS

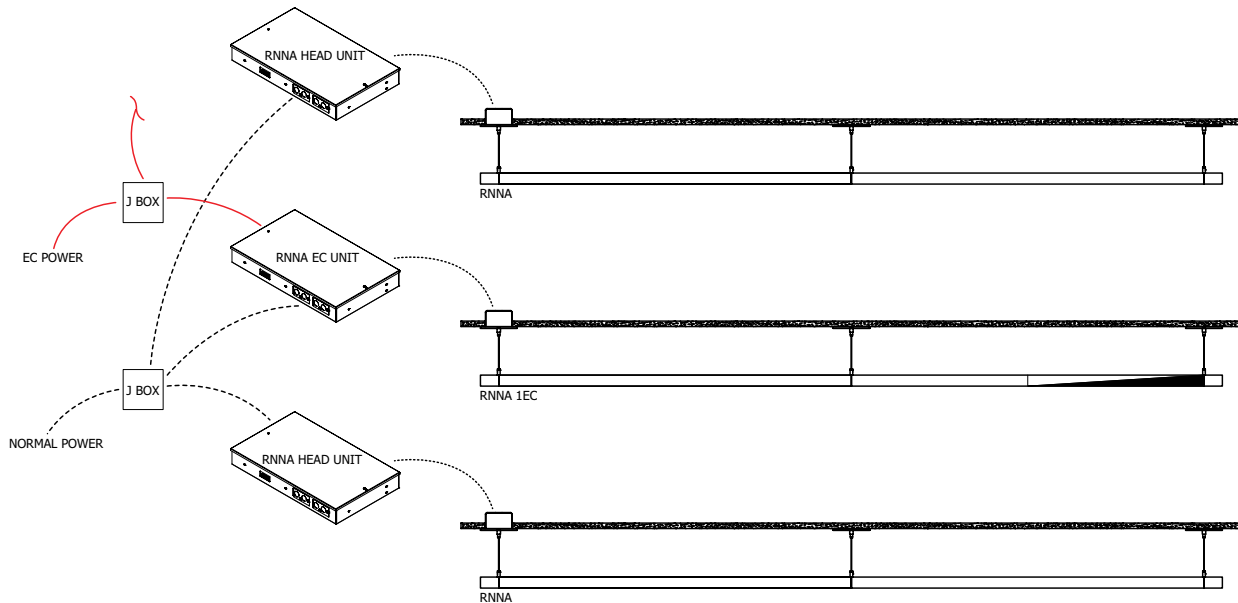


OVERALL DIMENSIONS

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

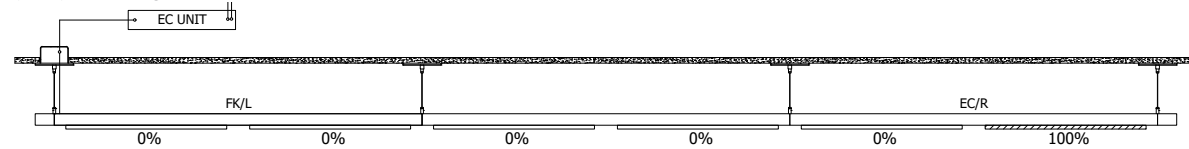
RNNADP

Emergency Options:

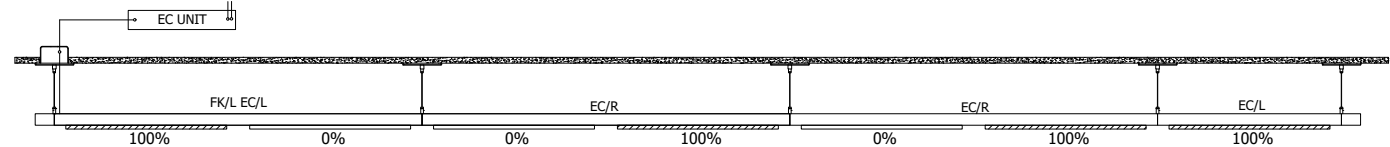
EC circuits default to the right side 4' section, of an 8' fixture (EC/R) and the complete section of a 4' fixture (EC/L). Single EC circuit defaults to the last 4' of the run. Dual EC circuits default to the last 4' of the run and the first 4' of the run. Additional circuits will be added from the end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

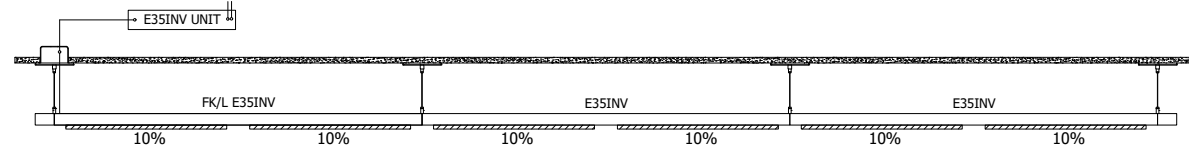
RNNAD LLP ...1EC



RNNAD LLP ...4EC



RNNAD LLP ...E35INV

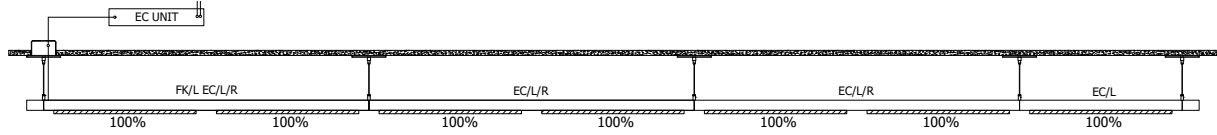


*During Emergency modes the indirect portion of the luminaire will be disabled.

** Representative of Linear runs only

EMERGENCY OPTIONS

RNNAD LLP ...WEC



PATTERNS



90FC12IN



90FCC12IN



90FC4IN

