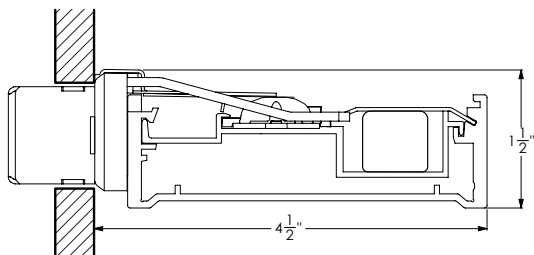
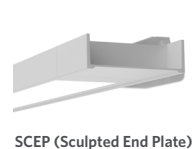
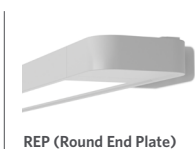
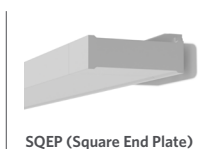


DIMENSIONS

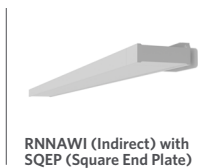
□ RNNAWI



DETAILS



COMPANION LUMINAIRE(S)



CUSTOMIZATION

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

HIGHLIGHTS

- Total System Integration features 5-year limited warranty by Acuity Brands covering all components and construction
- 4' and 8' sections. Four base indirect distributions available
- Up to 62 lm/W
- High performance batwing distribution using injection molded optic.
- 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
- Indirect only fixtures have no nuisance glare, UGR = 0.



eldoLED



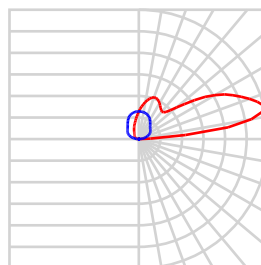
LUMEN PACKAGES

Based on 3500K. Additional color temperatures available.

Indirect LED Output	I150LMF	I300 LMF	I450LMF	I600LMF
Indirect Delivered Lumens Per Foot	150	300	450	600
Total Delivered Lumens Per Foot	284	258	390	522
Input Watts Per Foot	2	4.1	6.3	8.4
Lumens Per Watt	62	61	61	62

STANDARD DISTRIBUTION

100% Uplight





A+ Capable options indicated
by this color background.

MODEL NUMBER Example: RNNAWI LLP 24FT MSL8 90CRI TUWH PROR I600LMF DARK NLT 277 F1 C202

Luminaire	Linear Length Plan	Total Run Length	Maximum Section Length	LED Color Rendering	Dynamic Feature	Dynamic Range
RNNAWI	LLP Linear longest possible LSL Longest same length LCB Longest Center Balanced	_FT Indicate Luminaire Row Length in 4' increments. Ex: 24FT	MSL4 4' Section(s) MSL8 8' Section(s)	80CRI 80+CRI 90CRI 90+CRI	TUWH Tunable White	PROR¹ 3000K-5000K RHYR² 2700K-6500K 1. 90CRI Only 2. 80CRI Only
Indirect LED Output		Minimum Dimming Level	Control Input	Voltage	Primary Zone	
I150LMF	150 Nominal lumens per foot	DARK Constant current, dimming to < 1% MIN1 Constant Current dimming to 1%	NLT¹ nLight nTune interface	120 120V	(Blank) Select if single zone	
I300LMF	300 Nominal lumens per foot		ZT² 0-10V	277 277V	_VPIR15ADC¹ Vertex Sensor	
I450LMF	450 Nominal lumens per foot		1. Will use logarithmic dimming curve	347 347V	1. Available with NLT only. Max 5 vertex per run. Up to 8 zones can be configured with sensorview in field.	
I600LMF	600 Nominal lumens per foot		2. 0-10V will use linear dimming curve	MVOLT 120V-277V		
*Available in 50 lumen increments between min of I150LMF & max of I600LMF						
Mounting Head Unit		Color	End Caps		Options	
F1	Recessed head unit	C210 Textured White	SQEP Square End Caps		CP Chicago Plenum	
F2	Surface mount head unit	C202 Textured Black	SCEP Sculpted End Caps			
		C110 Painted Aluminum	REP Rounded End Caps			
		C099¹ Custom color				
		RALTBDB² RAL Paint Finishes				
	1. C099 for pricing only. Custom color chip and requested finish needs to be sent in to your Customer Care Rep and matched up with our paint department and customer approved before order is entered. Standard finish choice is Textured (C099T).					
	2. RALTBDB for pricing only, replace with applicable RAL number and finish when ready to order. See the RAL BROCHURE for available color options. Standard finish choice is Textured (RALxxxxT)					

For additional information on Modulus head unit and emergency options, reference [Modulus spec sheet](#)

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

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

Injection-molded indirect optic for optimized batwing distribution.

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

Mounting

Support kits include formed steel wall brackets painted the same color as the fixture that are attached to the wall structure. Fixtures hang from the wall brackets to allow for adjustment before final installation. Feed kits include an integral low-profile recessed junction box that is hidden by the fixture after installation.

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 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 16-channel wired networking via Cat-5e and daylighting and occupancy detection via internal sensors located in luminaires. The Modulus™ head unit outputs a maximum of 10mA into the nLight® bus See controls page for internal sensor options

Each integral nLight 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 50,000 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 in feed kit recessed junction box.

Head unit can be installed up to 50ft away from feed kit recessed junction box. Minimum 4x 12AWG wires should be run in grounded conduit from Modulus output wires in head unit to the recessed junction box.

Environment

Suitable for damp location.

Validation

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

ADA requirements

Luminaire must be installed at a minimum of 80" above the floor.

Packaging

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

Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. 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.

Fixture Weights

2.75 lbs per foot less packaging.

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.

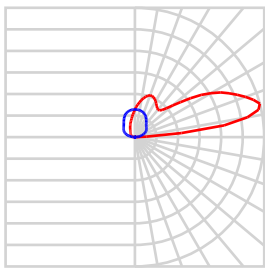
- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight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

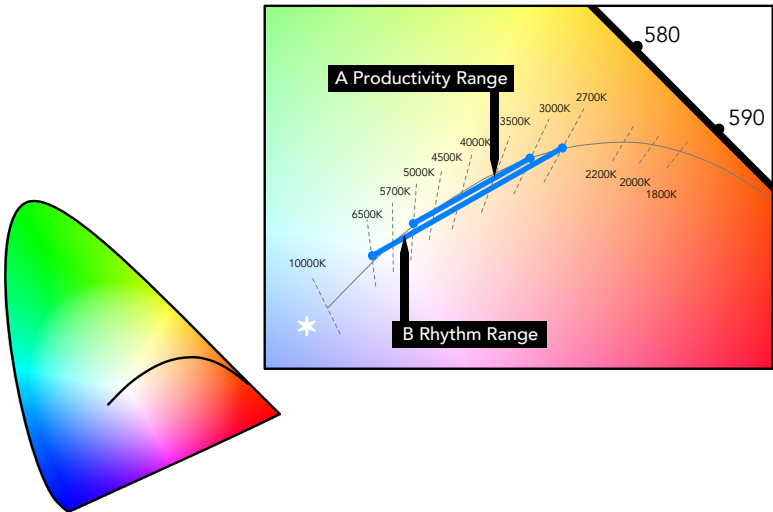


40K I450LMF
 61 lm/W
 390 delivered lumens per foot

EXPECTED LIFE: L80@50,000 HOURS

CCT SCALING CHART

CCT	CRI	MULTIPLIER
27K	90CRI	0.97
30K	90CRI	1.02
35K	90CRI	1
40K	90CRI	1.00
50K	90CRI	0.93



- A Productivity Range 3000K to 5000K
- B Rhythm Range 2700K to 6500K

HEAD UNIT RUN LENGTH CHART

*This table indicates 1 Head Unit required for the identified run length.

*Each Modulus remote driver kit can power up to 32 linear feet of luminaires. Use table to calculate the number of remote driver units needed in a run or pattern by finding the intersection between your direct and indirect lumen outputs (If Indirect or Direct only, use the zero to represent the direction not applicable.). Modulus units can be a maximum of 50 feet from the mounting junction box.

Max Feet per DK320P head unit, 5% margin														
		Indirect LPF												
DK320P	Direct LPF		0	150	200	250	300	350	400	450	500	550	600	
		0		32	32	32	32	32	32	32	32	32	32	28
		300	32	32	32	32	32	32	32	24	24	24	20	
		400	32	32	32	32	32	32	28	24	24	20	20	
		500	32	32	32	32	28	28	24	24	20	20	20	
		600	32	32	32	28	24	24	24	20	20	20	16	
		700	32	28	28	28	24	24	20	20	20	16	16	
		800	32	28	28	24	24	20	20	16	16	16	16	
		900	32	24	24	20	20	20	16	16	16	16	16	

Max Feet per DK75P head unit, 5% margin													
DK75P	Direct LPF	Indirect LPF											
			0	150	200	250	300	350	400	450	500	550	600
		0		28	20	16	12	12	8	8	8	4	4
		300	24	12	12	8	8	8	4	4	4	4	4
		400	16	8	8	8	8	4	4	4	4	4	4
		500	12	8	8	8	4	4	4	4	4	4	4
		600	12	8	8	4	4	4	4	4	4	4	4
		700	8	4	4	4	4	4	4	4	4	4	4
		800	8	4	4	4	4	4	4	4	4	4	4
		900	8	4	4	4	4	4	4	4	4	0	0

Control Types and Available Zones per Head Unit					
Control Type	Max addressable zones	nLight devices	Max sensors	nLight devices consumed with max sensors	Fixture zoning method
TUWH NLT	8	17	5	22	Field programmed - Sensorview
TUWH ZT	1	-	0	-	N/A (only one zone available)
NLTAIR2 with TUWH ZT ¹	1	-	0	-	N/A (only one zone available)

1. Requires 2x user-installed external rPP20D with 0-10V wiring into a standard ZT-type head unit. Order ZT or TUWH ZT fixtures and rPP separately

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
-----	-----	-----	-----	-----	-----

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
-----	------	------	------

LCB- Linear Center Balanced:

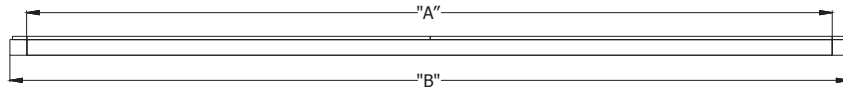
This configuration incorporates the longest center segment(s) along with any additional lengths required to fill the run length, added to the run ends. Example: 16 FT run would have 2, 4 FT segments (one at each end) and 1, 8 FT segment in the center.

LCB	4 FT	8 FT	4FT
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WEIGHTS & SUPPORT SPACING

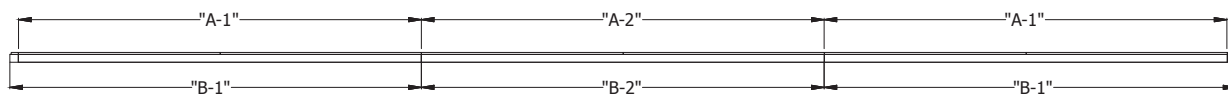
Suspension spacing equals section length. Default location shown.
For full mounting details see Installation sheets

RNNAW INDIVIDUAL FIXTURE LAYOUT



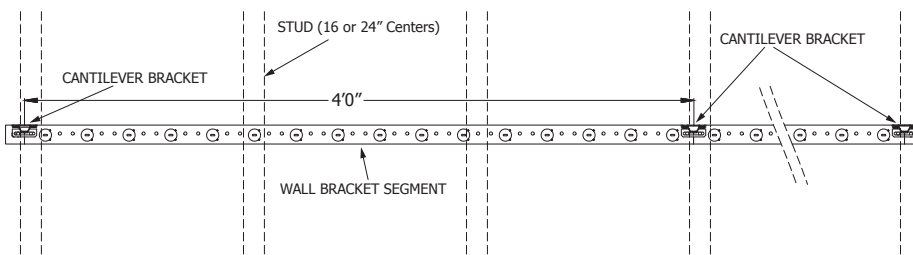
INDIVIDUAL FIXTURES					
ORDERED LENGTH	"A" O.C.	"B" SQEP OVERALL	"B" SCEP OVERALL	"B" REP OVERALL	APPROX. WEIGHT
4FT	4'-0"	4'-4"	4'-6"	4'-6"	11LB
8FT	8'-0"	8'-4"	8'-6"	8'-6"	22LB

RNNAW RUN LAYOUT



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
4FT	4'-0"	4'-0"	4'-2"	4'-3"	4'-3"	4'-0"	11LB
8FT	8'-0"	8'-0"	8'-2"	8'-3"	8'-3"	8'-0"	22LB

WALL BRACKET LAYOUT



INTELLIGENT LUMINAIRE TECHNOLOGY GUIDE

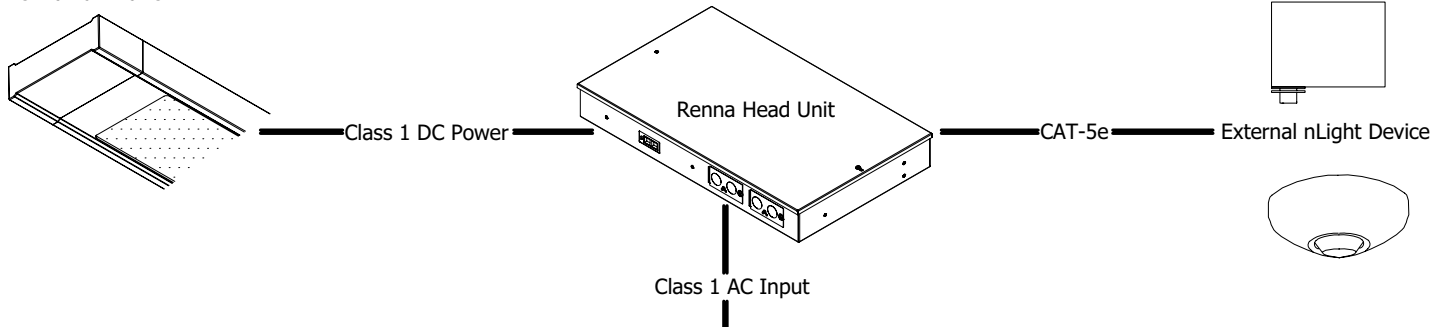
Choose nomenclature from these columns							
Driver Configurations	Minimum Dimming Level		Control Input		Driver	Dimming Range	Notes
	MIN1	+	TUWH NLT	=	eldoLED DCDC DUALdrive	100 to 1%	Logarithmic Dimming, nIO EZDCA CCT in head unit
	MIN1	+	TUWH ZT	=	eldoLED DCDC DUALdrive	100 to 1%	Linear Dimming, supplied with leads for two independent zones of 0-10V
	DARK	+	TUWH NLT	=	eldoLED DCDC DUALdrive	100 to 0.1%	Logarithmic Dimming, nIO EZDCA CCT in head unit
	DARK	+	TUWH ZT	=	eldoLED DCDC DUALdrive	100 to 0.1%	Linear Dimming, supplied with leads for intensity & CCT for one zone
Control + Sensor Configurations	Control		Sensor		Sensor	Notes	
	NLT	+	VPIR15ADC	=	VERTEX 15F EZ ADC VLP	Available in endcaps or midpoint of 8ft fixture section. Max 5 sensors per run. Zoning reconfigurable via Sensorview software.	

CONTROLS

Remote sensors can be paired with NLIGHT options to control your runs.

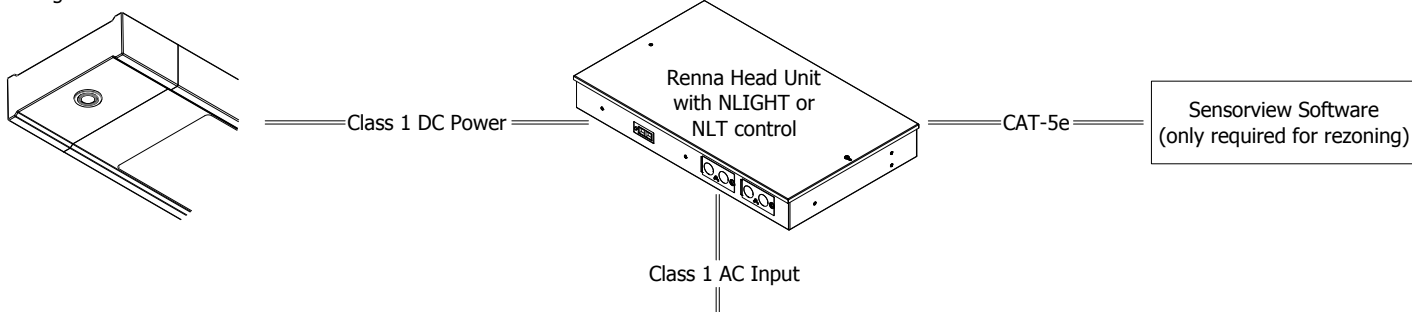
FOR EXTERNAL CONTROLS

Renna Luminaire



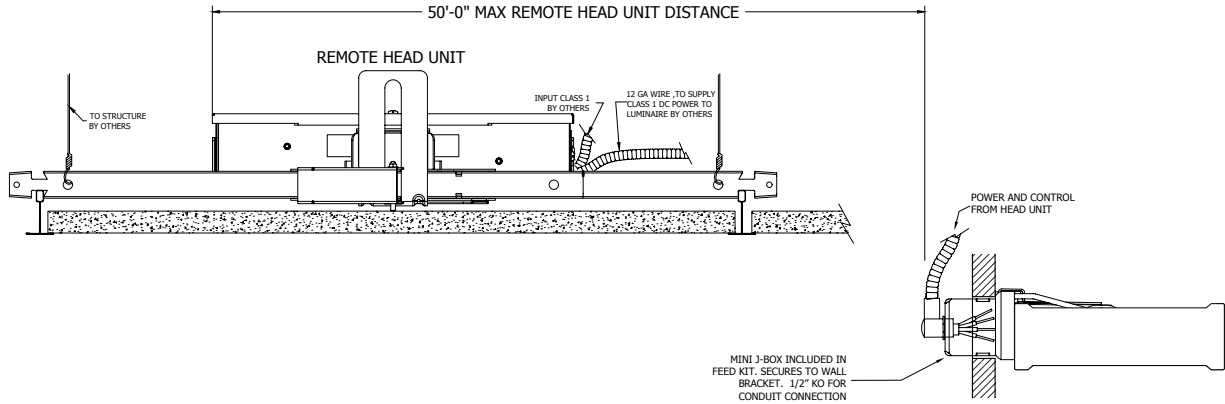
FOR INTERNAL CONTROLS

Renna Luminaire with Integral VERTEX Sensor

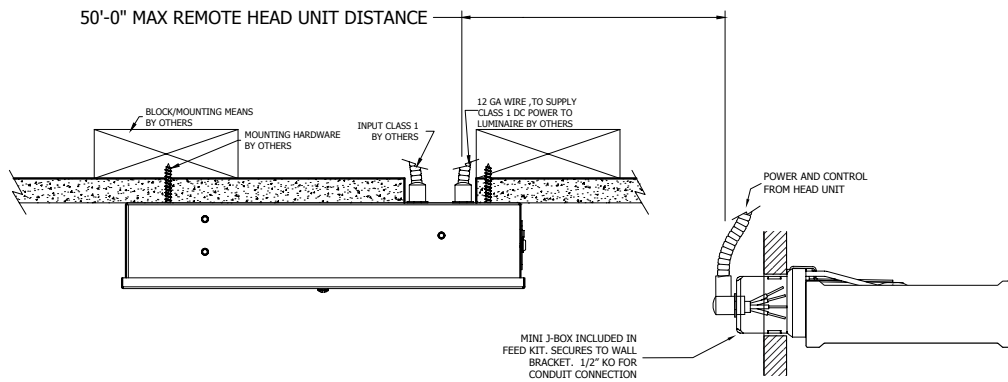


REMOTE HEAD UNITS

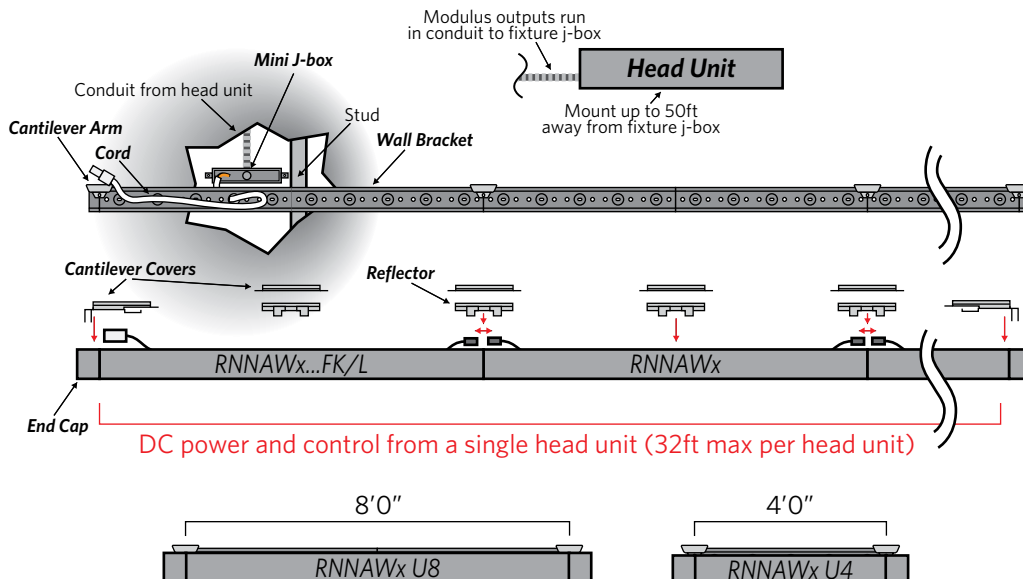
F1 CEILING DETAILS



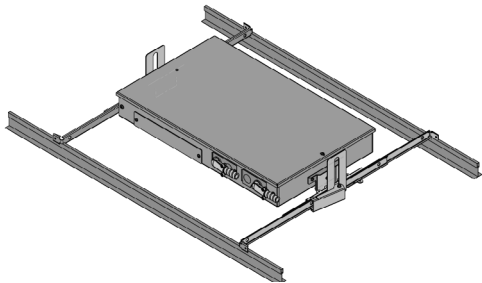
F2 CEILING DETAILS



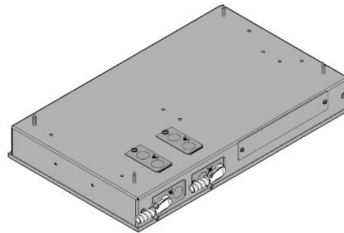
RUN DIAGRAM



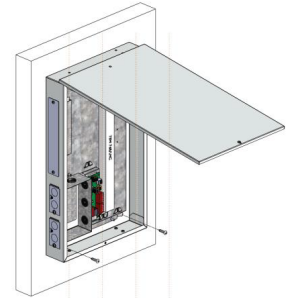
REMOTE HEAD UNITS



F1 GRID MOUNT

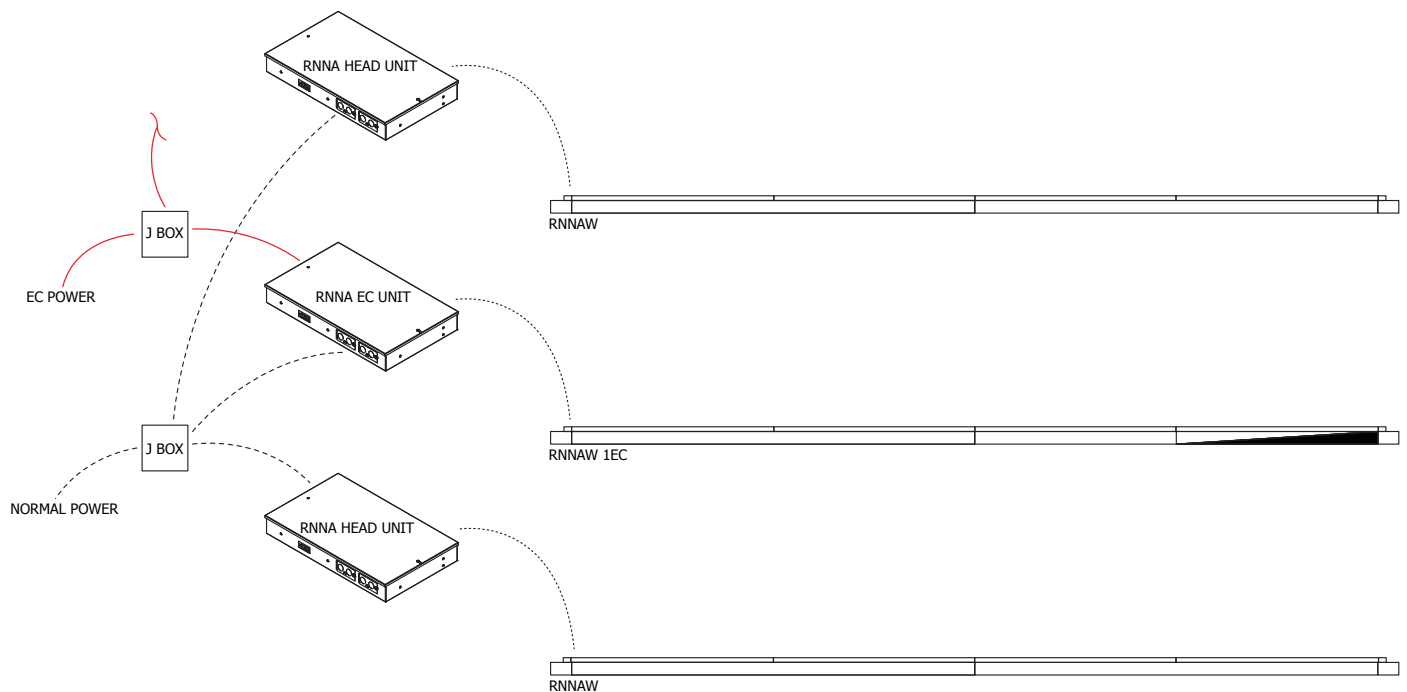


F2 CEILING MOUNT



F2 WALL MOUNT

TYPICAL BUILDING LAYOUT



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