STARCO LIGHTING

SLLA - LED ARCHITECTURAL LINEAR

DESCRIPTION

The Starco SLLA LED Architectural Linear Light is a sleek and modern lighting solution designed for commercial and architectural applications. With its slim profile and customizable lengths, the SLLA offers uniform, high-quality illumination ideal for office spaces, retail environments, and public areas. Its energy-efficient LED technology provides both direct and indirect lighting options, ensuring optimal performance while reducing power consumption. The fixture is available in a variety of color temperatures and dimming capabilities, allowing for seamless integration into any lighting design. Durable and versatile, the SLLA enhances the aesthetics and functionality of any space.

SPECIFICATION FEATURES

Construction & Materials

- Extruded aluminum maximizes LED lifetime and optimal performance
- Light weight design allows for a less obtrusive installation
- Customized length up to 56ft

Electrical System

- High efficiency driver
- Input Voltage: 120-277V, 120-347V optional, 50/60Hz
- Operating Temperature: -20°C (-4°F) to 40°C (104°F)
- 0-10V Continuous dimming
- Power Factor: >0.90
- Total Harmonic Distortion: <15%

Optical System

- High impact polycarbonate optics provides even distribution
- Frosted lens provides maximum glare reduction

LED

- CRI: 80/90
- Color Tunable 2700K to 5000K
- Calculated L_{70} Lifetime: 306,000 hours @25°C
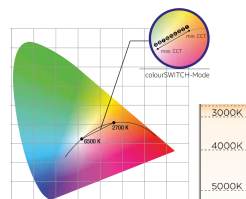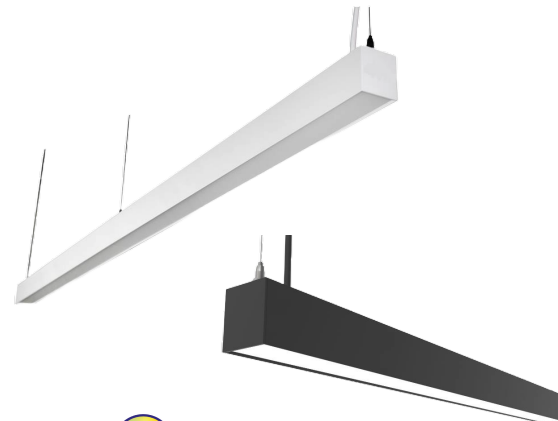- Reported L_{90} Lifetime: 89,000 hours @25°C

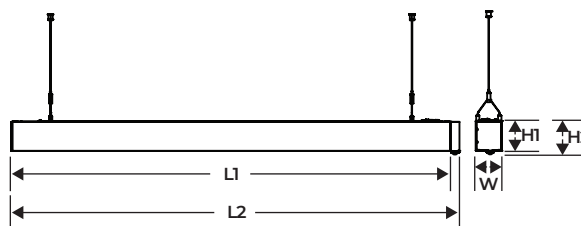### Control

- Bluetooth motion & daylight sensor

Warranty

- 10 Years

colourSWITCH-Mode

DR Dynamic Range 3000K to 5000K

DIMENSION

Size	2FT	3FT	4FT	8FT
L1	23.86"	35.43"	47.48"	94.72"
L2	24.96"	36.53"	48.58"	95.82"
H1	3.15"	3.15"	3.15"	3.15"
H2	3.55"	3.55"	3.55"	3.55"
W	2.3"/2.7"	2.3"/2.7"	2.3"/2.7"	2.3"/2.7"

*Refer to page#3 for dimensions of Connector Moduless.

c**UL**us LISTED   DLC QPL PREMIUM   10 YEAR WARRANTY   Bluetooth **Starco CONTROL**

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Example: SLLA-12-4-40-80-SD-HE-WH-U-27-D-DN

SLLA					
	Total Length	Max Section Length	CCT	CRI	Driver
SLLA=LED Architectural Linear	**BLANK**=Connector Modules **2**=2ft **3**=3ft **4**=4ft **5**=5ft **6**=6ft … **56**=56ft *Max 7 luminaire row length increments for single power feed. Max. 56ft*	**BLANK**=Connector Modules **2**=2ft **3**=3ft **4**=4ft **8**=8ft *Refer to Width below for Connector Modules.*	**27**=2700K **30**=3000K **35**=3500K **40**=4000K **50**=5000K **CS**=CCT Selectable 3000/3500/4000K **DR**=Dynamic Color Tunable Range	**80**=80CRI **90**=90CRI	**SD**=Standard Driver Selectable, 0-10V Dim **TD**= Wireless BLE Tunable Driver

HE					
Efficacy	Color	Voltage	Width	Dimming	Direction
HE=High Efficacy 140 LPW	**BL**=Black **SL**=Silver **WH**=White **CS**=Custom Color	**U**=120-277V **H**=120-347V	**23**=2.3" **27**=2.7" Connector Modules: **L**=L Connector Modules **T**=T Connector Modules **X**=X Connector Modules	**O**=No Dimming **D**=0-10V Dimming	**DI**=100% Directional **IN**=70% Directional & 30% Indirectional **DN**=50% Directional & 50% Indirectional

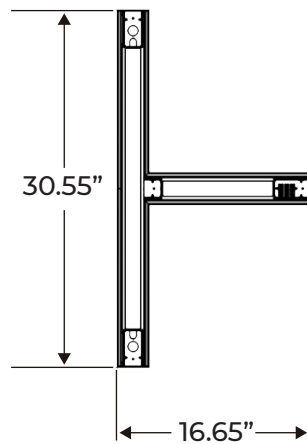| Accessories		
Wireless Accessories **Sensors** **CYF**=DC powered dual channel PIR montion & light sensor **Switches** **CAI**=AC powered interface for push, toggle and rotary switches **CIV**=Wireless 4 button switch **CTV**=Wireless 5 button switch **RTS**=Wireless 8 function Rotary Switch **Gateway & Extenders** **WLUNE**=Beacon & range extender **ENORE**=Gateway with ethernet & RTC **Emergency Inverters** **EMDW-10**=10W Emergency Inverter Wireless Pack **EMDW-20**=20W Emergency Inverter Wireless Pack		**Standard Accessories** **Emergency Inverters** **EMD-10**=10W Emergency Inverter Pack **EMD-20**=20W Emergency Inverter Pack **Dimmers** **LVDC-A019**=Rotary 0-10V Dimmer **Kits** **PMK**=Pendent Mount Kit **TPK**=T-Grid Pendent Mount Kit **SMK**=Surface Mount Kit **WMK**=Wall Mount Kit **RMK**=Recessed Mount Kit **LB**=Link Bracket **PCL**=PC Frosted Lens **BL**=Batwing Frosted Lens **LL**=Louver Lens *Fixtures come standard with a PMK pendant mounting kit.*

Emergency Battery Pack Options - Field Installable

Battery Model Number	Wattage	Runtime(minutes)	Lumen Output	Other
EMD(W)-10	10W	90	1300-1500	Self Diagnostic
EMD(W)-20	20W	90	2600-3000	Self Diagnostic

L-Connector Module

16.65"

16.65"

T-Connector Module

30.55"

16.65"

X-Connector Module

30.55"

30.55"

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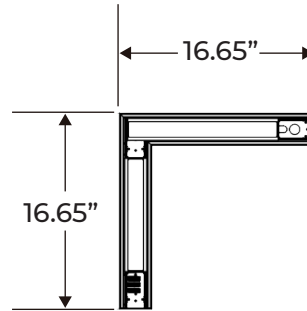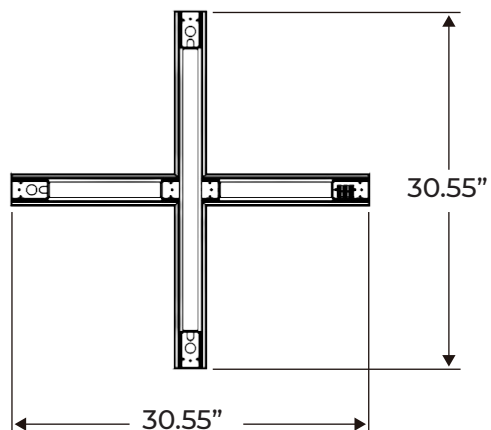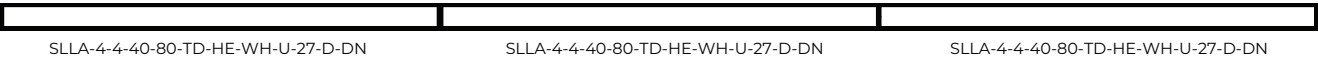
Composition

Example: SLLA-12-4-40-80-TD-HE-WH-U-27-D-DN

In this case, (1) SLLA-12-4-40-80-TD-HE-WH-U-27-D-DN is composed by (3) SLLA-4-4-40-80-TD-HE-WH-U-27-D-DN

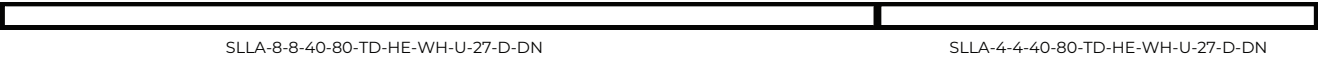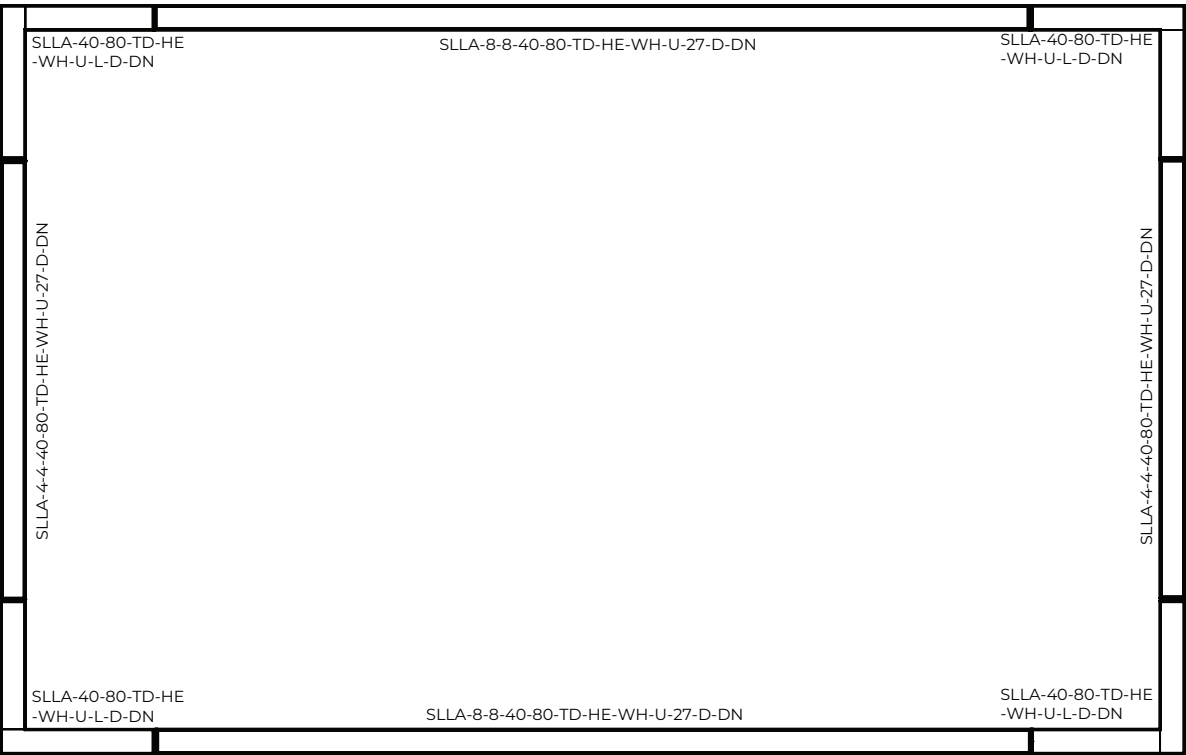|		
SLLA-4-4-40-80-TD-HE-WH-U-27-D-DN	SLLA-4-4-40-80-TD-HE-WH-U-27-D-DN	SLLA-4-4-40-80-TD-HE-WH-U-27-D-DN

Example: SLLA-12-8-40-80-TD-HE-WH-U-27-D-DN

In this case, (1) SLLA-12-8-40-80-TD-HE-WH-U-27-D-DN is composed by (1) SLLA-8-8-40-80-TD-HE-WH-U-27-D-DN and
(1) SLLA-4-4-40-80-TD-HE-WH-U-27-D-DN

SLLA-8-8-40-80-TD-HE-WH-U-27-D-DN	SLLA-4-4-40-80-TD-HE-WH-U-27-D-DN

Example: Composition with L-Connector Modules.

To create configurations beyond standard linear runs, both linear fixtures and connector modules (e.g., L, T, X shapes) must be ordered separately. The following is an example configuration.

In this case, the fixture below can be composed by (2) SLLA-8-8-40-80-TD-HE-WH-U-27-D-DN,
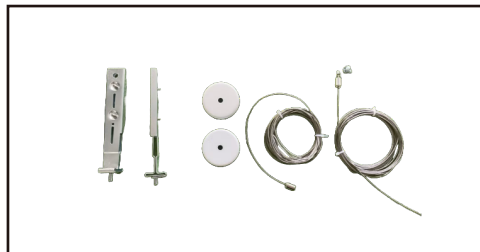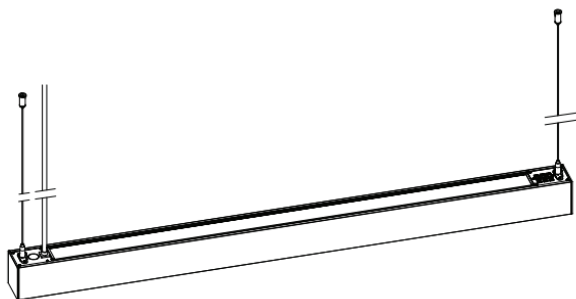(2) SLLA-4-4-40-80-TD-HE-WH-U-27-D-DN and (4) SLLA-40-80-TD-HE-WH-U-L-D-DN

SLLA-40-80-TD-HE-WH-U-L-D-DN

SLLA-8-8-40-80-TD-HE-WH-U-27-D-DN

SLLA-40-80-TD-HE-WH-U-L-D-DN

SLLA-4-4-40-80-TD-HE-WH-U-27-D-DN

SLLA-4-4-40-80-TD-HE-WH-U-27-D-DN

SLLA-40-80-TD-HE-WH-U-L-D-DN

SLLA-8-8-40-80-TD-HE-WH-U-27-D-DN

SLLA-40-80-TD-HE-WH-U-L-D-DN

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Width	Section Length	Wattage Package	Wattage	CCT	Lumen Output	CRI	Efficacy	Lumen/ft
2.3"	2ft	10/13/16W	10	4000K	1380	80	138	690
			13	4000K	1781	80	137	891
			16	4000K	2176	80	136	1088
	3ft	15/19/24W	15	4000K	2070	80	138	690
			19	4000K	2603	80	137	868
			24	4000K	3264	80	136	1088
	4ft	20/26/32W	20	4000K	2760	80	138	690
			26	4000K	3562	80	137	891
			32	4000K	4352	80	136	1088
	8ft	38/51/64W	38	4000K	5244	80	138	656
			51	4000K	6987	80	137	873
			64	4000K	8704	80	136	1088
2.7"	2ft	12/15/20W	12	4000K	1656	80	138	828
			15	4000K	2055	80	137	1028
			20	4000K	2720	80	136	1360
	3ft	18/23/30W	18	4000K	2484	80	138	828
			23	4000K	3151	80	137	1050
			30	4000K	4080	80	136	1360
	4ft	25/30/40W	25	4000K	3450	80	138	863
			30	4000K	4110	80	137	1028
			40	4000K	5440	80	136	1360
	8ft	48/60/80W	48	4000K	6624	80	138	828
			60	4000K	8220	80	137	1028
			80	4000K	10880	80	136	1360
L-Connector Module	16.65"x16.65"	16/20/26W	16	4000K	2208	80	138	/
			20	4000K	2740	80	137	/
			26	4000K	3536	80	136	/
T-Connector Module	16.65"x30.55"	23/30/37W	23	4000K	3174	80	138	/
			30	4000K	4110	80	137	/
			37	4000K	5032	80	136	/
X-Connector Module	30.55"x30.55"	30/38/50W	30	4000K	4140	80	138	/
			38	4000K	5206	80	137	/
			50	4000K	6800	80	136	/

CCT Scaling Data

CRI	CCT	OUTPUT	CRI	CCT	OUTPUT
80	5000K	101%	90	5000K	90%
	4000K	100%		4000K	85%
	3500K	98%		3500K	84%
	3000K	95%		3000K	80%
	2700K	94%		2700K	79%

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Pendant Mount

TPK - T-Grid Pendent Mounting Kit
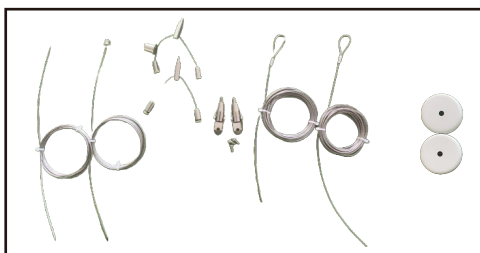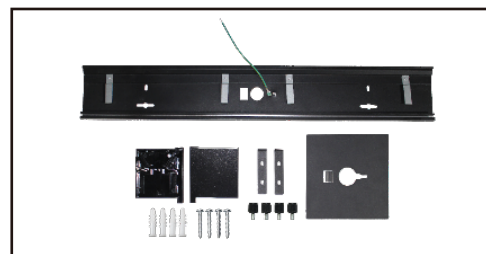

PMK - Pendent Mounting Kit
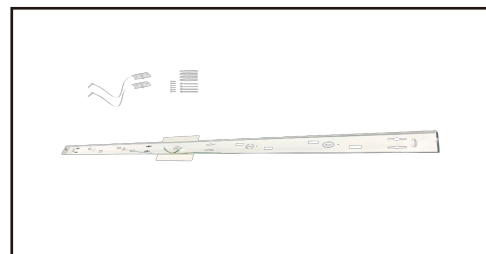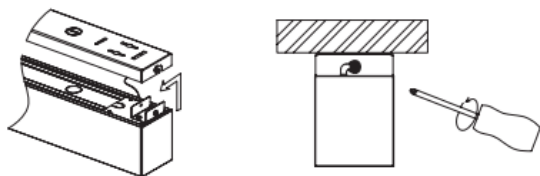*For dry wall, hard ceiling and trunking system.*
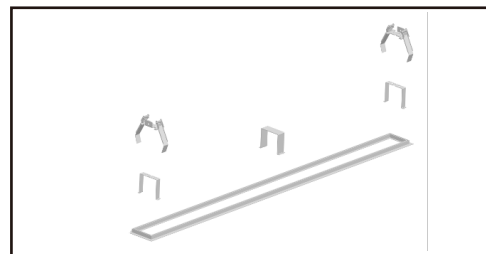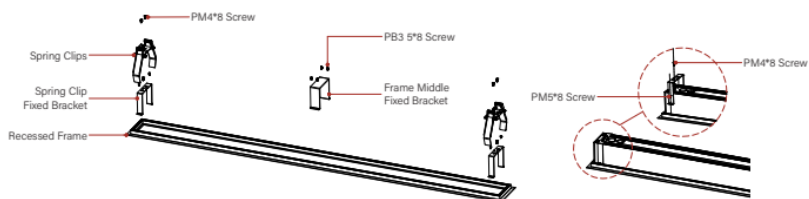*Fixtures come standard with a PMK pendant mounting kit.*
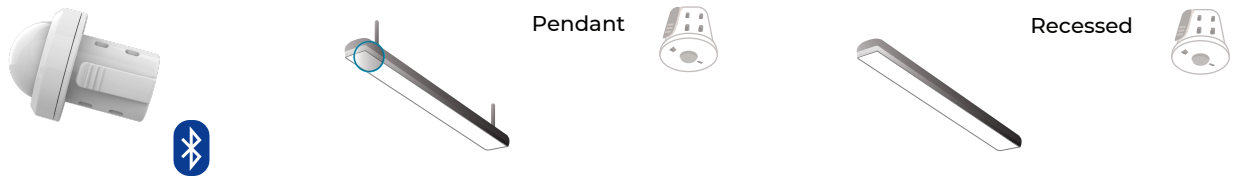
Wall Mount

WMK - Wall Mounting Kit

Surface Mount

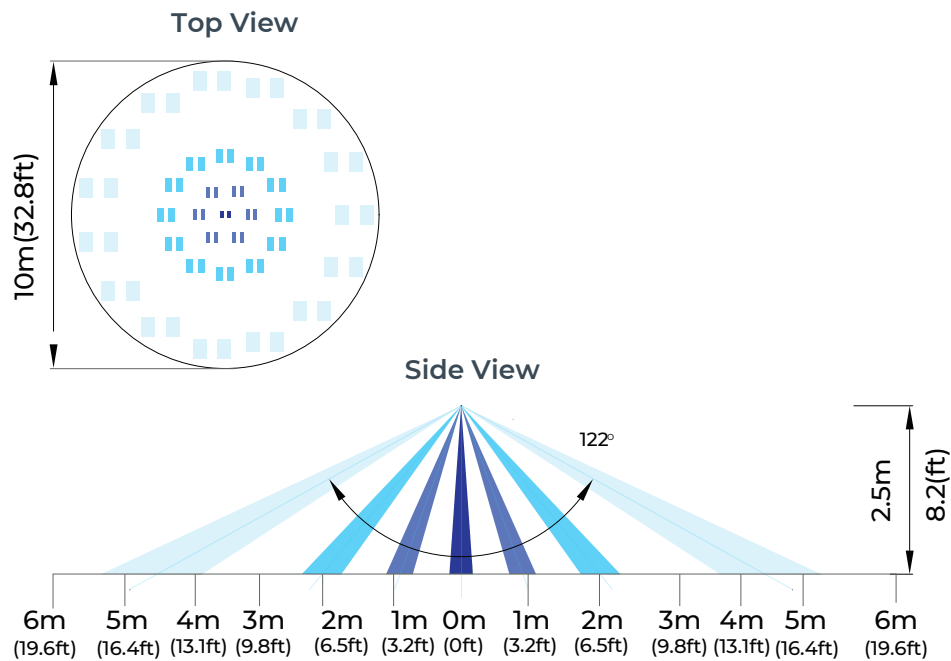SMK - Surface Mounting Kit

Recessed Mount

PM4*8 Screw

Spring Clips

Spring Clip
Fixed Bracket

Recessed Frame

PB3 5*8 Screw

Frame Middle
Fixed Bracket

PM4*8 Screw

PM5*8 Screw

RMK - Recessed Mounting Kit

CYF - Motion & Daylight Sensor

Pendant

Recessed

Sensor Coverage

Top View

10m(32.8ft)

Side View

122°

2.5m　8.2(ft)

| 6m (19.6ft) | 5m (16.4ft) | 4m (13.1ft) | 3m (9.8ft) | 2m (6.5ft) | 1m (3.2ft) | 0m (0ft) | 1m (3.2ft) | 2m (6.5ft) | 3m (9.8ft) | 4m (13.1ft) | 5m (16.4ft) | 6m (19.6ft) |

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BMS Intergration

- Starco Control ecosystem leverages the Niagara framework to intergrate with any of the 120+ BMS protocols.
- Very simple to connect as plugging the two systems into a common Ethernet network.
- All data can be shared and BMS can monitor and control the lighting system.
- Adding OpendADR gateway, the customer can take advantage of any current or future utility demand response programs including peak pricing, capacity bidding and direct laod control
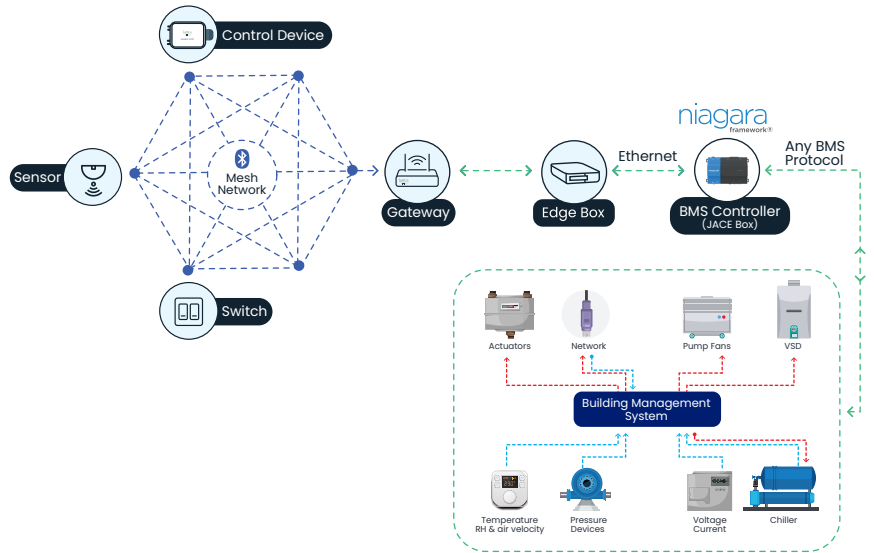

Mobile App

- For commission, configuration and controlling lighting networks including device replacement feature that makes commission easier.
- Setting up schedules, scenes and animations for individual devices or groups or zones
- Always get the latest features and improvements using OTA updates for devices
- Safe and reliable communication with AES 128-bit encryption and ensure safety using 4-digit code
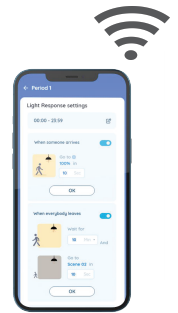
Emergency Lighting Control

- UL924 Listed Aura C1/C2 provides transfer operation during a power outage.

- When there is power outage, the controller will receive power from the emergency source via the ATS. The AC/DC power supply will turn OFF due to power outage and the 0-10V input channel of the controller will not sense any voltage. When the controller detects this, it switches over to Emergency Mode where the fixtures will be lit at 100% intensity for 90 mins.

- The BLE wireless Emergency Inverter interfaces with a battery and LED driver to provide much more than just self-test fucntionality. It can provide emergency testing reports through the mobile app and also provide fault notifications as soon as one is detect
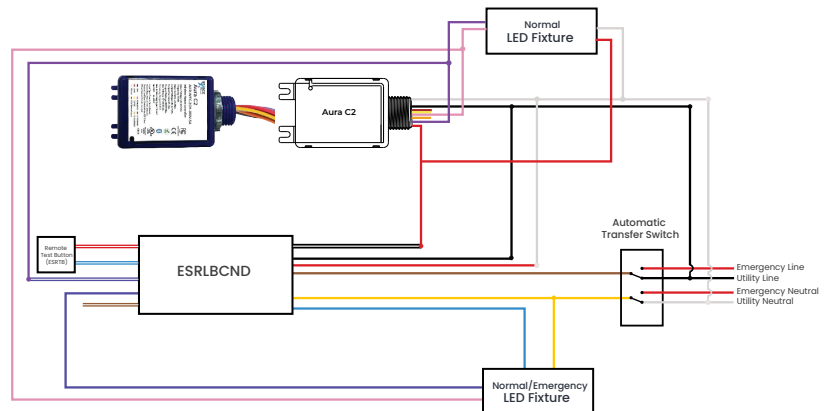
Radiar AF10 – Wire description

■ Line (Black)	■ 12VDC (Yellow)	■ 0-10V DIM1+ (Purple)
■ Neutral (White)	■ DIM- (Pink)	■ 0-3V Sensor input (Brown)
■ Load (Red)	■ 0-10V DIM2+ (Orange)	

ESRLBCND - Wire description

Feedback/Dimmer Contacts	*Remote Test Input*	
■ NO (White/Violet)	■ White/Red	■ Normal Hot (Black)
■ C (Violet)	■ White/Blue	■ Normal Switched Hot (White/Black)
■ N/C (White/Brown)		■ Normal Neutral (Red)
		■ Emergency Neutral (Yellow)
		■ Emergency Hot (Brown)
		■ Emergency Hot to Load (Blue)