

2.4" Wide Housing

## Product Features

Edgeline series architectural linear luminaire housing from 2.4" wide aluminum extruded profile, available in 2, 4 and 8-Ft length with Black, White finish; aircraft steel cable suspension system for direct ceiling mounting, with power supply unit integral inside fixture, and power feed cable through junction box cover plate; integral driver, frosted polycarbonate lens; emits even soft direct, direct/indirect facing light for general illumination; >90CRI LED; field selectable CCT in 2700K / 3000K / 3500K / 4000K / 5000K; 70% of luminous flux after 100,000 hours; cULus damp location listed; universal input 120-277V power supply with 0-10V dimming and a 0-100% dimming range. Tunable White and Dim-to-Warm options available.

## Technical Specifications

INPUT VOLTAGE	Universal Input AC120-277V
FREQUENCY	50/60hz
COLOR TEMPERATURE	Field Selectable 2700K / 3000K / 3500K / 4000K / 5000K, Dim-to-Warm, Tunable White
COLOR RENDERING INDEX	>90
DISTRIBUTION	Direct/Indirect Ratio Field Selectable 100%, 70%/30%, 50%/50%, 30%/70%, 100%
IP RATING	Damp Location
LIFE SPAN	>100,000 Hours
DIMMING	0-10V Dimming with 0-100% Dimming Range



## EDGE LINE SERIES | EDGE LINE 2.4"

### SUBMITTAL WORKSHEET

Order Code Example: EGL2.4 - L2 - 9SC - BK - GD - UD - EMB-8W-B  
 A B C D E F G

#### A SERIES (CHOOSE ONE)

EGL2.4 Edgeline Series 2.4" Profile Architectural Linear

#### B SIZE & OUTPUT (CHOOSE ONE)

CODE	LENGTH	DISTRIBUTION	POWER & LUMEN FIELD SELECTABLE
L2 <b>QS</b>	2FT	Direct 100%	10W / 15W / 20W
L4 <b>QS</b>	4FT	Direct 100%	20W / 30W / 40W
L8 <b>QS</b>	8FT	Direct 100%	40W / 60W / 80W

CODE	LENGTH	DISTRIBUTION	DIRECT/INDIRECT RATIO FIELD SELECTABLE	POWER & LUMEN FIELD SELECTABLE
IL2 <b>QS</b>	2FT	100%, 70%/30%, 50%/50%, 30%/70%, 100%		10W / 15W / 20W
IL4 <b>QS</b>	4FT	100%, 70%/30%, 50%/50%, 30%/70%, 100%		20W / 30W / 40W
IL8 <b>QS</b>	8FT	100%, 70%/30%, 50%/50%, 30%/70%, 100%		40W / 60W / 80W

#### C CCT (CHOOSE ONE)

9SC **QS** Field Selectable 2700K / 3000K / 3500K / 4000K / 5000K

#### D FINISH (CHOOSE ONE)

BK **QS** Black  
 WH **QS** White

#### E DECORATIVE REFLECTOR (CHOOSE ONE - OPTIONAL)

BK **QS** Black  
 GD **QS** Gold  
 RG **QS** Rose Gold  
 SV **QS** Silver  
 WH **QS** White



BK



GD



RG



SV



WH

#### F INPUT (CHOOSE ONE)

UD **QS** 120-277V, 0-10V Dimming  
 TW **QS** 120-277V, 0-10V Tunable White Dimming  
 DW **QS** 120-277V, 0-10V Dim-to Warm Dimming

#### G OPTIONS

BAA Assembled in America, Compliant with BAA (COTS)  
 SENSOR-KIT-IFS06R **QS** Integral PIR on/off/dimming/photosensing (14V DC Power by Driver)  
 EMB-8W-B\* **QS** 90-Minute Self-Diagnostic Emergency Battery 8W 100-347VAC Input 170VDC Output

\*see page 7 for EMB and sensor spec

## EDGE LINE SERIES | EDGE LINE 2.4"

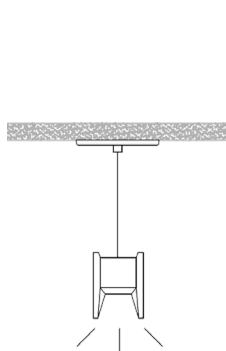
### SUBMITTAL WORKSHEET

Order Code Example: EGL-QM - EGL-L-CON  
H I

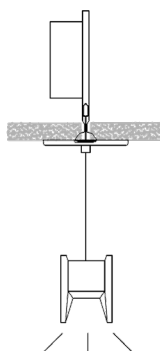
#### H MOUNTING (CHOOSE ONE)

- EGL-QM **QS** Quick Mount  
EGL-QMT **QS** Quick Mount for T-Grid Ceiling  
EGL-WM **QS** Wall Mount

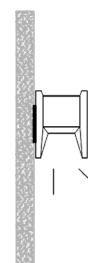
\*see page 3 for detail



**EGL-QM**  
Quick Mount



**EGL-QMT**  
Quick Mount  
for T-Grid Ceiling


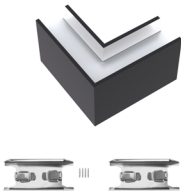




**EGL-WM**  
Wall Mount

#### I CONNECTORS

- EGL-CON Edgeline Profile Inline Joiner (metal bracket)  
EGL-L-CON Edgeline Profile "L" 90° Connector  
EGL-X-CON Edgeline Profile "X" 90° Connector  
EGL-Y-CON Edgeline Profile "Y" 120° Connector

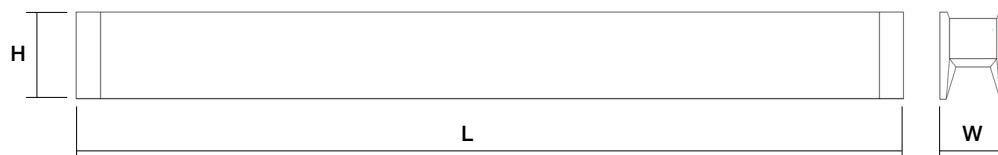
\*see page 7 for EMB and sensor spec

EGL-CON EGL Profile Inline Joiner	EGL-L-CON EGL Profile "L" 90° Connector	EGL-X-CON EGL Profile "X" 90° Connector	EGL-Y-CON EGL Profile "Y" 90° Connector
			

## EDGE LINE SERIES | EDGE LINE 2.4"

### DIMENSIONS

		EGL2.4		EGL4	
Size	L	W	H	W	H
2FT	26.14"	2.4"	4"	3.98"	5.22"
4FT	49.76"				
8FT	97.01"				



### OUTPUT

#### Selectable CCT

2700K, 3000K, 3500K, 4000K, 5000K

90+ CRI 

#### Selectable Wattage



Lv1

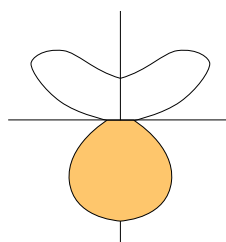


Lv2

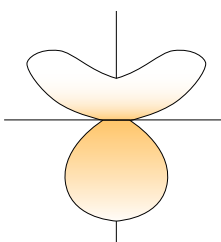


Lv3

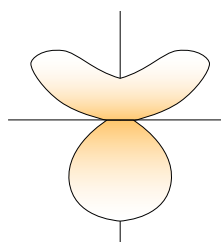
#### Selectable Light Distribution



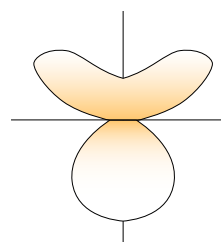
100% Direct



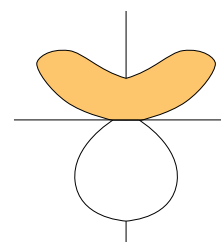
30% Indirect  
70% Direct



50% Indirect  
50% Direct



70% Indirect  
30% Direct



100% Indirect

## EDGE LINE SERIES | EDGE LINE 2.4"

### PERFORMANCE DATA

		2700K (90CRI)	3000K (90CRI)	3500K (90CRI)	4000K (90CRI)	5000K (90CRI)
EGL2.4	Lumens Per Foot	1200	1200	1250	1250	1250
	Input Wattage Per Foot	10W	10W	10W	10W	10W
	Efficacy	120 lm/W	120 lm/W	125 lm/W	125 lm/W	125 lm/W

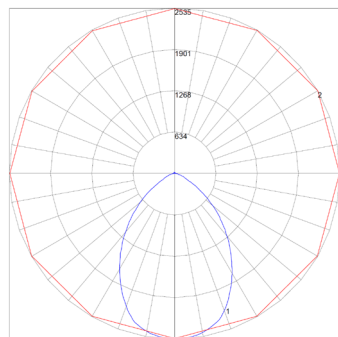
### ELECTRICAL DATA

EDGE LINE 2.4"				
NUMBER OF DRIVERS	DRIVER CURRENT (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (AMPS)
1	430	20	120	0.17
		20	208	0.10
		20	240	0.08
		20	277	0.07
1	850	40	120	0.33
		40	208	0.19
		40	240	0.17
		40	277	0.14
1	1700	80	120	0.67
		80	208	0.38
		80	240	0.33
		80	277	0.29

## EDGE LINE SERIES | EDGE LINE 2.4"

### PHOTOMETRIC

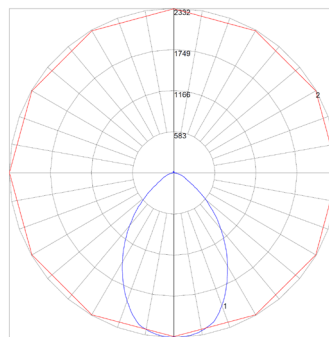
IES: EGL2.4-9SC @ 5000K 40W D-100%



Zone	Lumen	Luminaire%
0-30	1842	37.30
0-40	2843	57.50
0-60	4344	87.90
0-90	4894	99.00
0-180	4944	100

Lumen: 4944  
 Input Watts: 37.78 W  
 Efficacy: 130 LPW

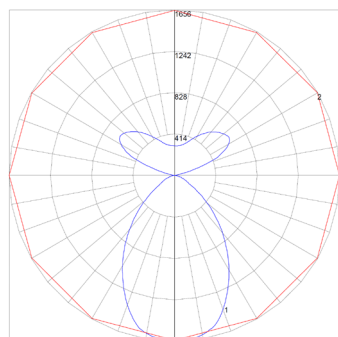
IES: EGL2.4-9SC @ 2700K 40W D-100%



Zone	Lumen	Luminaire%
0-30	1692	37.30
0-40	2609	57.60
0-60	3982	87.90
0-90	4484	92.10
0-180	4530	100

Lumen: 4530  
 Input Watts: 37.81 W  
 Efficacy: 120 LPW

IES: EGL2.4-9SC @ 3500K 40W D-70% I-30%



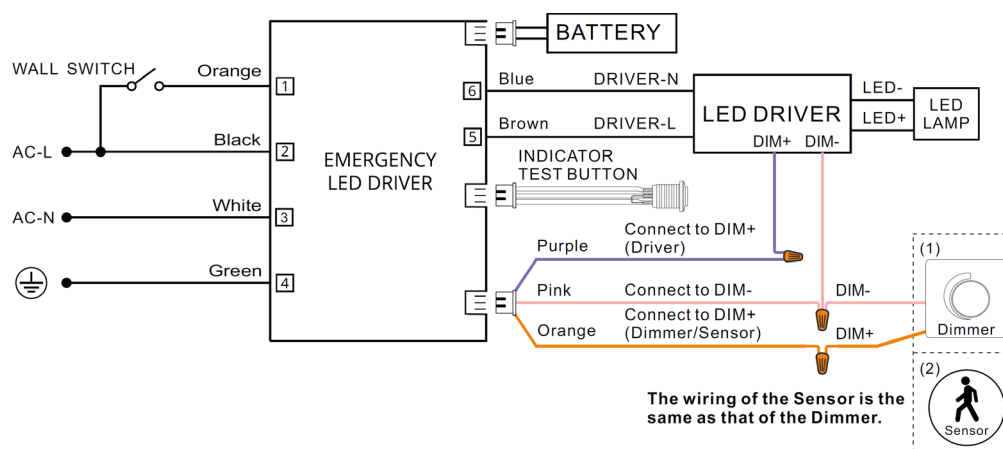
Zone	Lumen	Luminaire%
0-30	1204	24.50
0-40	1858	37.90
0-60	2841	57.90
0-90	3209	65.50
0-180	4903	100

Lumen: 4903  
 Input Watts: 38.23 W  
 Efficacy: 128 LPW

## EDGE LINE SERIES | EDGE LINE 2.4"

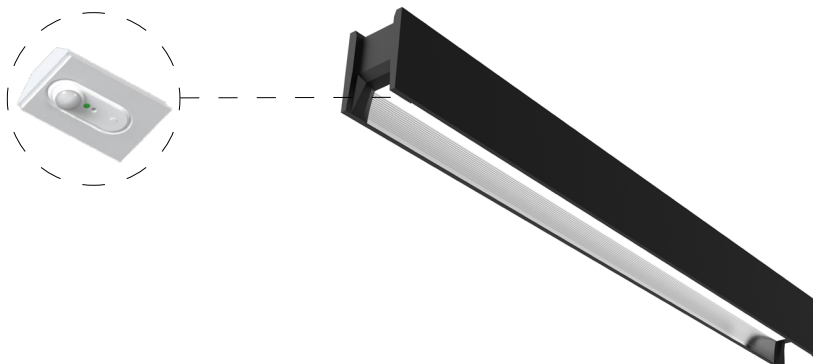
### EMB SPEC

Model	Battery Capacity	Input	Output	Output Power	Operating Temp	Installation
EMB-8W-B	90mins	100-347VAC	170VDC	8W	0°C ~ 50°C 32°F ~ 122°F	Factory or Field Install
EMB-18W-B	90mins	100-347VAC	170VDC	18W	0°C ~ 50°C 32°F ~ 122°F	Factory or Field Install



### SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
SENSOR-KIT-IFS06R	PIR Sensor	Integral to Fixture	-	14V DC	On/Off Daylight Harvesting Bi-Level Dimming Adj. Hold Time	-



## SENSOR-KIT-IFS06R PIR SENSOR

### FEATURE

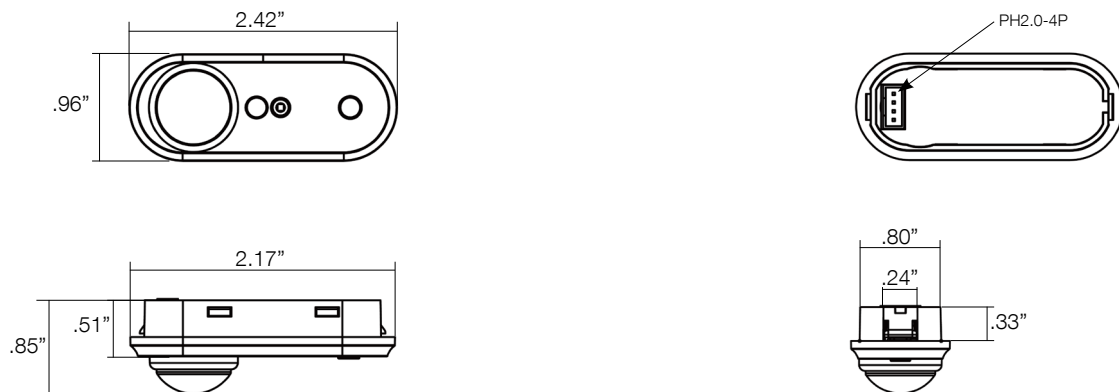
- **Installation:** Factory Install - Sensor Integral to Fixture
- **Commissioning:** through Remote Control
- **Control:** Adjustable Hold Time, Bi-Level Dimming, Manual/Auto - On/Off
- **Sensor:** Motion (Occupancy/Vacancy/Manual) and Daylight Harvesting



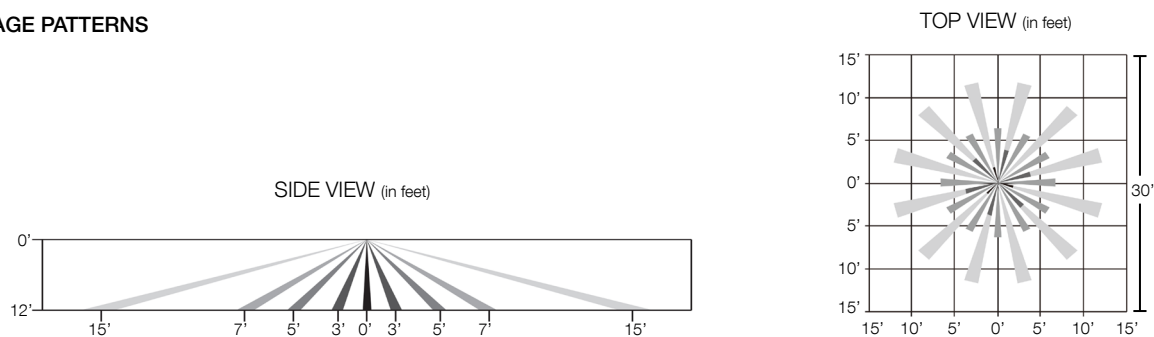
### SPECIFICATIONS

<b>SENSOR TYPE:</b>	Passive Infrared Sensor (PIR)	<b>COMMISSIONING RANGE:</b>	50FT from Remote Control
<b>INPUT VOLTAGE:</b>	10-14VDC, >50mA	<b>TIME SETTING:</b>	10sec ~ 60min (adjustable)
<b>LIGHT-CONTROL:</b>	Daylight Harvesting with Automatic Dimming	<b>DETECTION ANGLE:</b>	360°
<b>CONTROL OUTPUT:</b>	0-10V, Max. 25mA sinking current	<b>MOUNTING HEIGHT:</b>	12FT Max.
<b>OPERATING TEMP:</b>	-4°F ~ +140°F (-20°C ~ +60°C)	<b>WARRANTY:</b>	5 years
		<b>IP RATING:</b>	IP20

### DIMENSIONS



### COVERAGE PATTERNS



### ORDER CODE

EXAMPLE: SENSOR-IFS06R

A

### SERIES

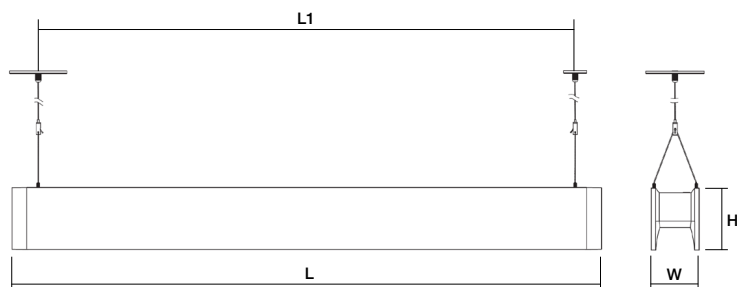
**SENSOR-KIT-IFS06R** Integral PIR on/off/dimming/photosensing (14V DC Power by Driver)



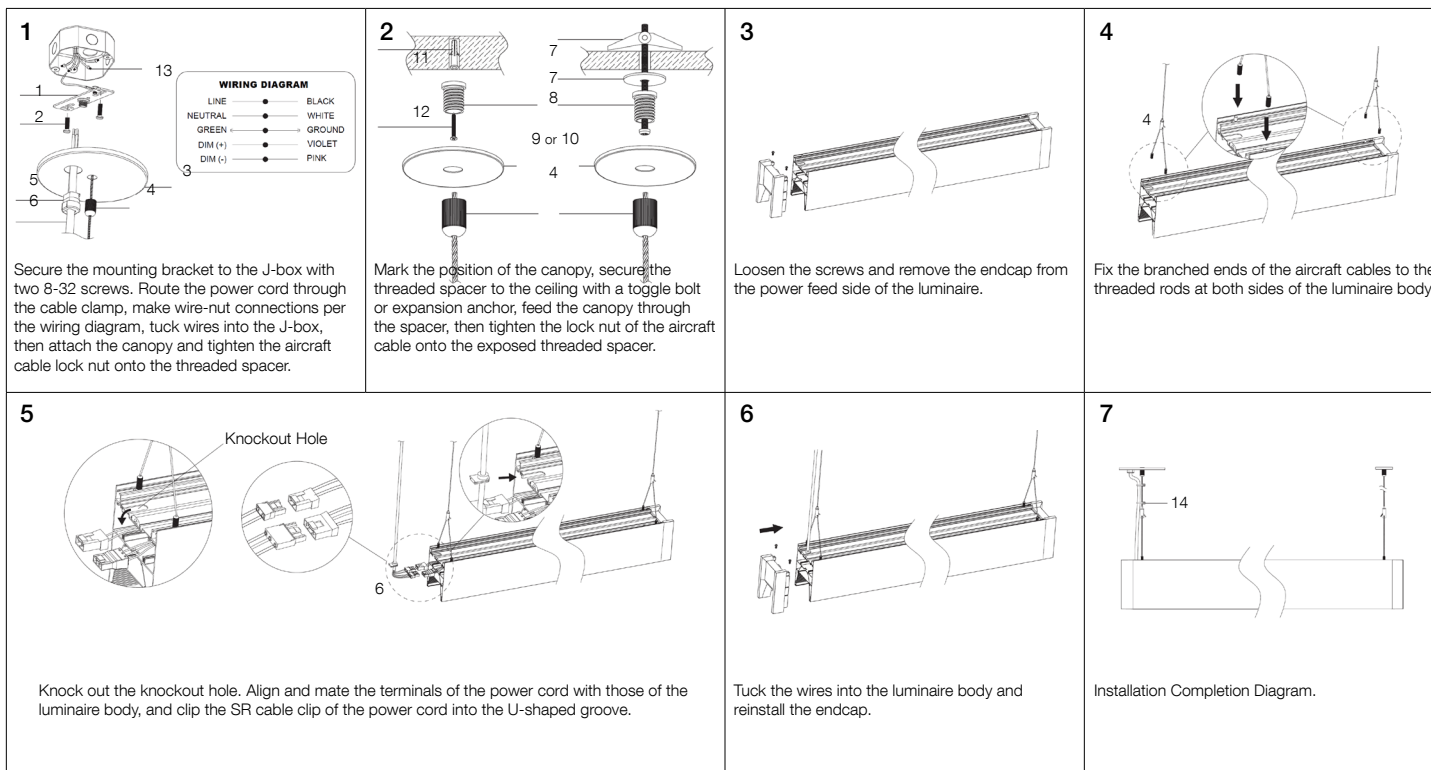
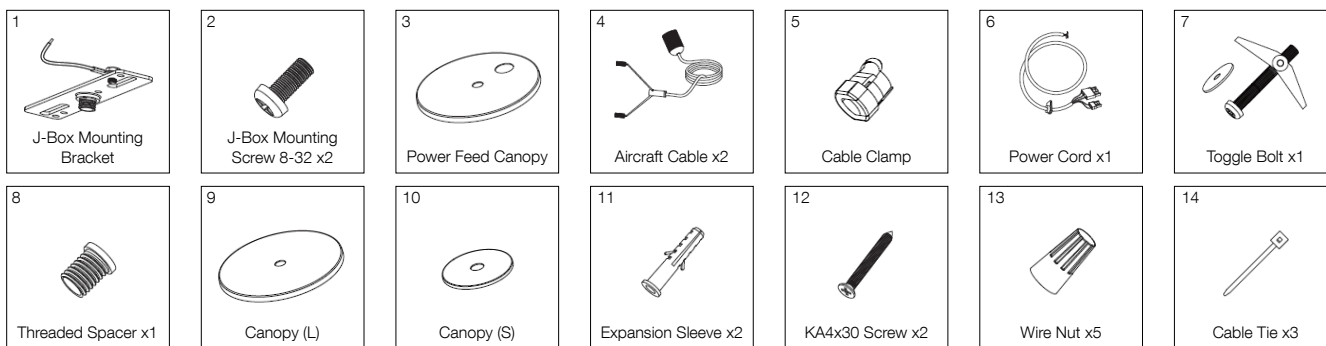
## EDGE LINE SERIES | EDGE LINE 2.4"

### INSTALLATION

#### QM - Quick Mount Installation



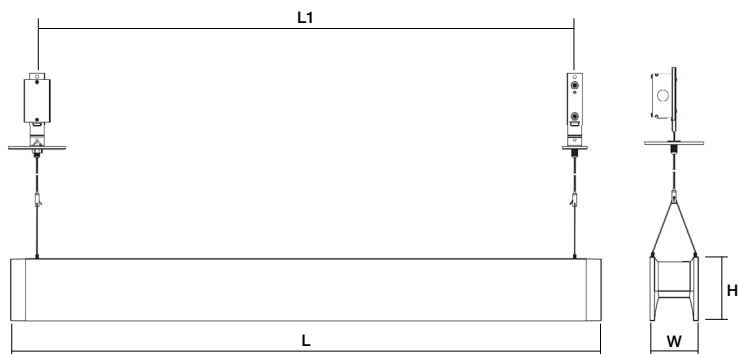
EGL2.4				
Size	L	W	H	L1 - Installation Spacing
2FT	26.14"	2.4"	4"	19.68"
4FT	49.76"			43.30"
8FT	97.01"			90.55"



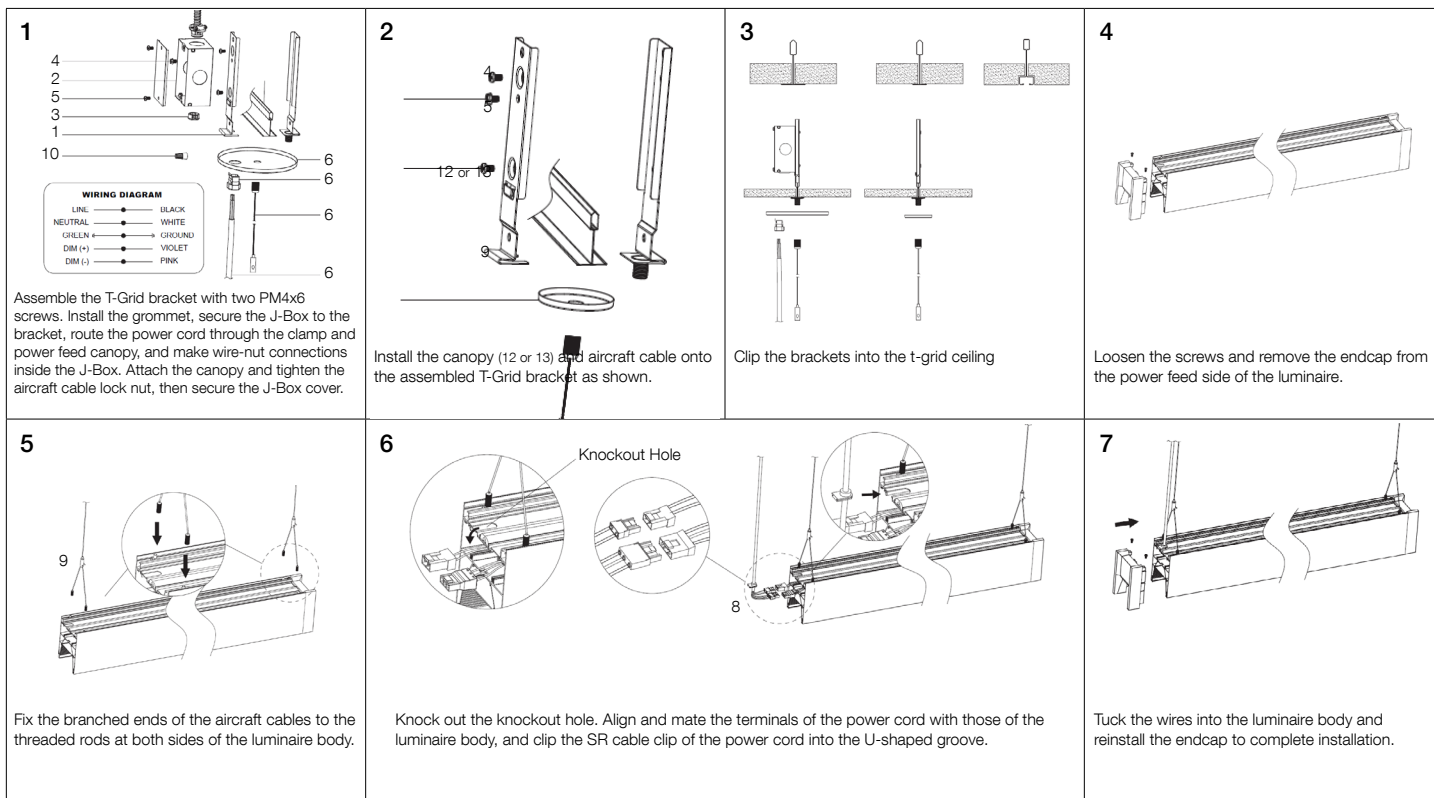
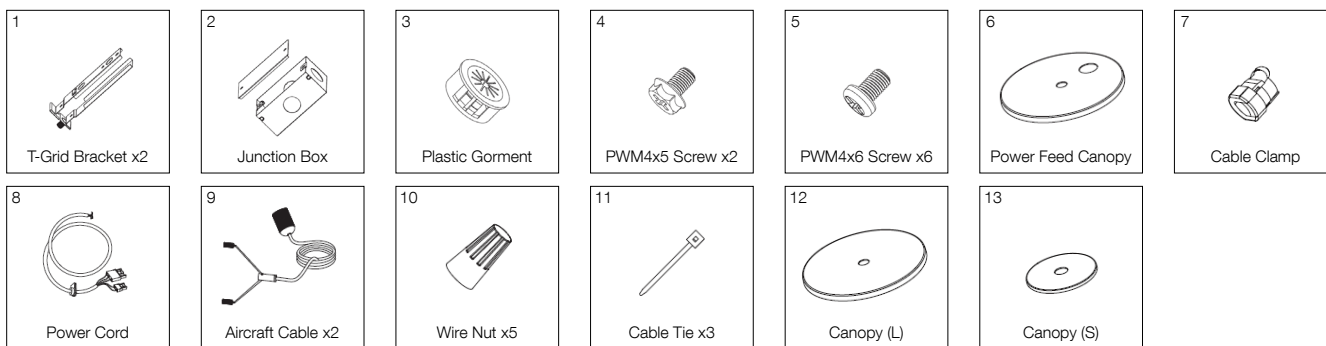
## EDGE LINE SERIES | EDGE LINE 2.4"

### INSTALLATION

#### QMT - T-Grid Quick Mount Installation



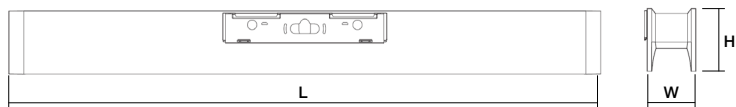
EGL2.4				
Size	L	W	H	L1 - Installation Spacing
2FT	26.14"	2.4"	4"	19.68"
4FT	49.76"			43.30"
8FT	97.01"			90.55"



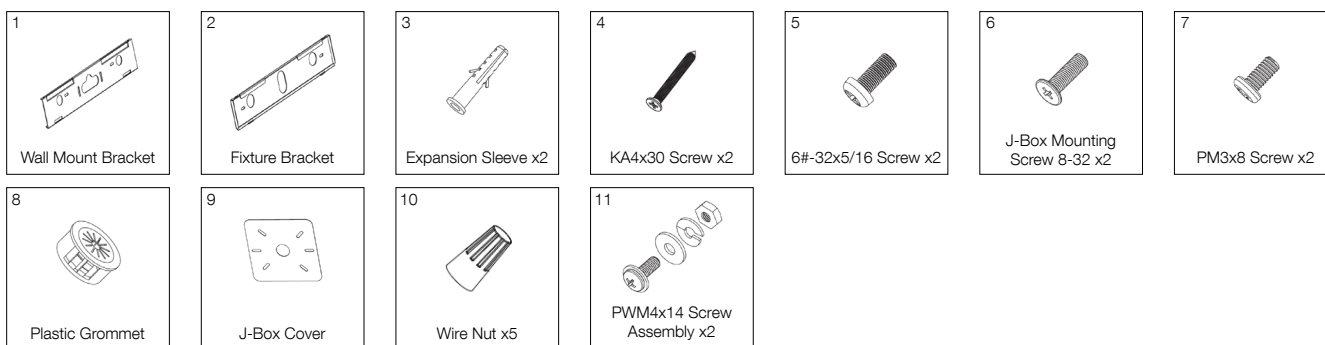
## EDGE LINE SERIES | EDGE LINE 2.4"

### INSTALLATION

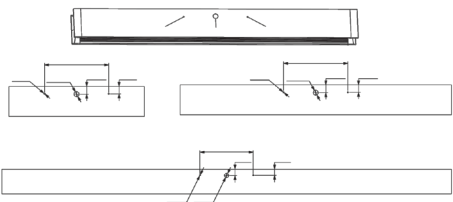
#### WM - Wall Mount Installation



EGL2.4			
Size	L	W	H
2FT	26.14"	2.4"	4"
4FT	49.76"		
8FT	97.01"		

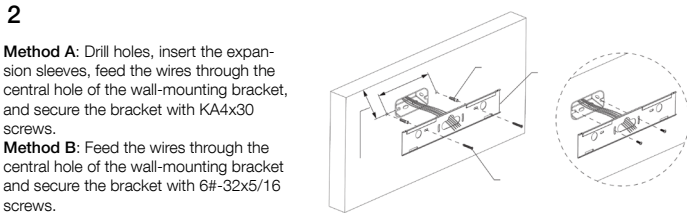


**1**



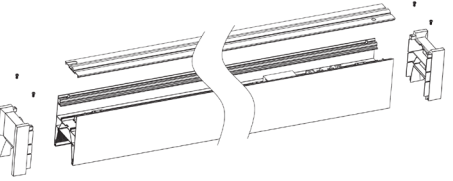
Machine the holes on the luminaire body in accordance with their dimensions and the details specified in the drawing.

**2**




**Method A:** Drill holes, insert the expansion sleeves, feed the wires through the central hole of the wall-mounting bracket, and secure the bracket with KA4x30 screws.  
**Method B:** Feed the wires through the central hole of the wall-mounting bracket and secure the bracket with 6#-32x5/16 screws.

**3**



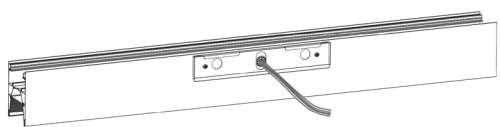
Remove the endcaps from both ends of the luminaire, as well as the top cover.

**4**



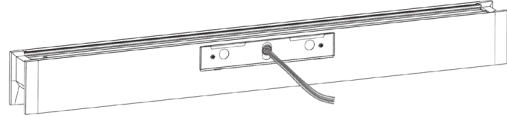
Secure the fixture bracket to the mounting holes on the luminaire body with PWM4x14 screw assemblies. Insert the plastic grommet into the wire-passing hole.

**5**



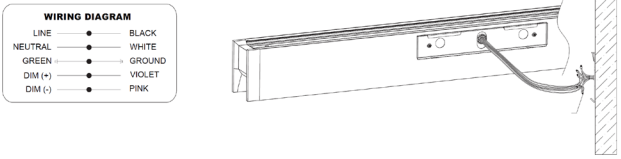
Cut the wires inside the luminaire body, then feed them through the plastic grommet.

**6**



Reinstall the endcaps and top cover.

**7**

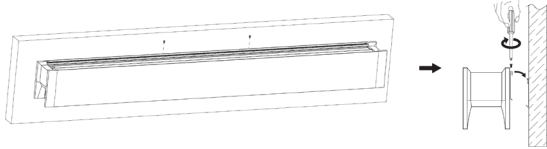


**WIRING DIAGRAM**

- LINE — BLACK
- NEUTRAL — WHITE
- GREEN — GROUND
- DIM (+) — VIOLET
- DIM (-) — PINK

Connect the wires of the luminaire to the mains supply with the wire nuts.

**8**



Hang the luminaire (with its fixture bracket pre-attached) onto the wall-mounting bracket. Secure the two brackets with the PM3x8 screws to complete installation.