



# INSTALLATION GUIDE

## LAW LINEAR SERIES

**SAVE THESE INSTRUCTIONS**



### BEFORE YOU BEGIN

Read and follow all safety instructions

### WARNING

#### RISK OF FIRE, EXPLOSION AND ELECTRIC SHOCK

- This product should be installed, inspected, and maintained by a qualified electrician only, in accordance with the NEC (National Electric Code) and all local codes.
- Turn off electrical power before inspection, installation or removal.
- Use only UL (or other NRTL) approved wire for input/output connections.
- Minimum size 18 AWG or 14 AWG for continuous runs.
- Make sure LEDs and drivers are cool to touch when performing maintenance.
- Make sure the supply voltage is the same as the rated voltage of the luminaire.
- Do not install in a hazardous atmosphere, except where the ambient temperature does not exceed the rated operating temperature of the fixture.
- Keep tightly closed when in operation



### Prepare Electrical Wiring



#### Electrical Requirements

- The LED driver must be supplied with 120 or 277V, 50/60 Hz and connected to an individual, properly grounded branch circuit protected by a 20 ampere circuit breaker. Use min. 75°C supply.



#### Grounding Instructions

- The grounding and bonding of the overall system shall be done in accordance with NEC Article 600 and local codes



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PAGE 5. = SURFACE MOUNT.

PAGE 6. = WALL MOUNT.

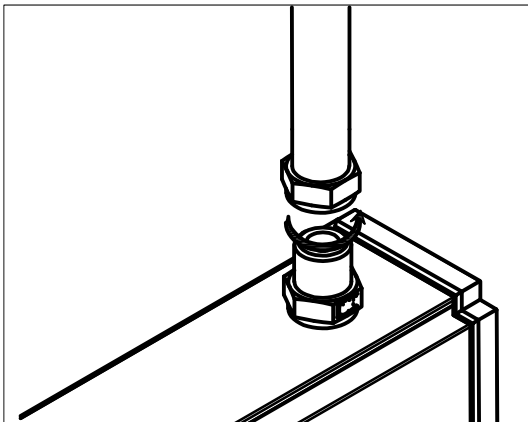
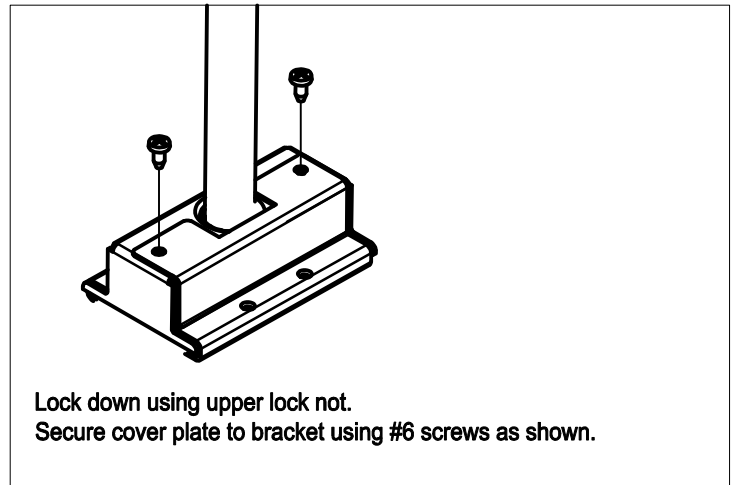
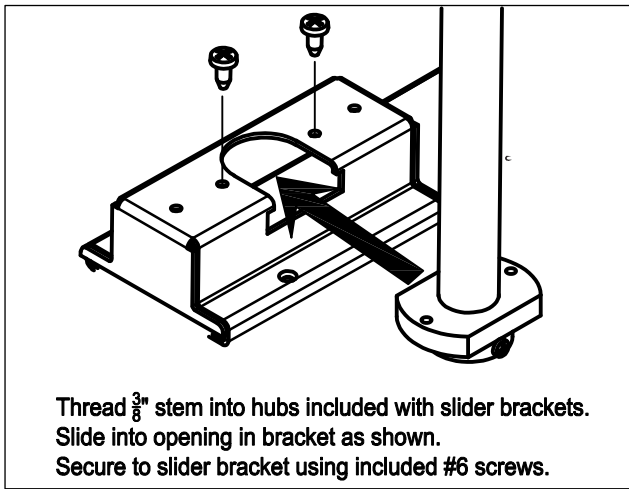
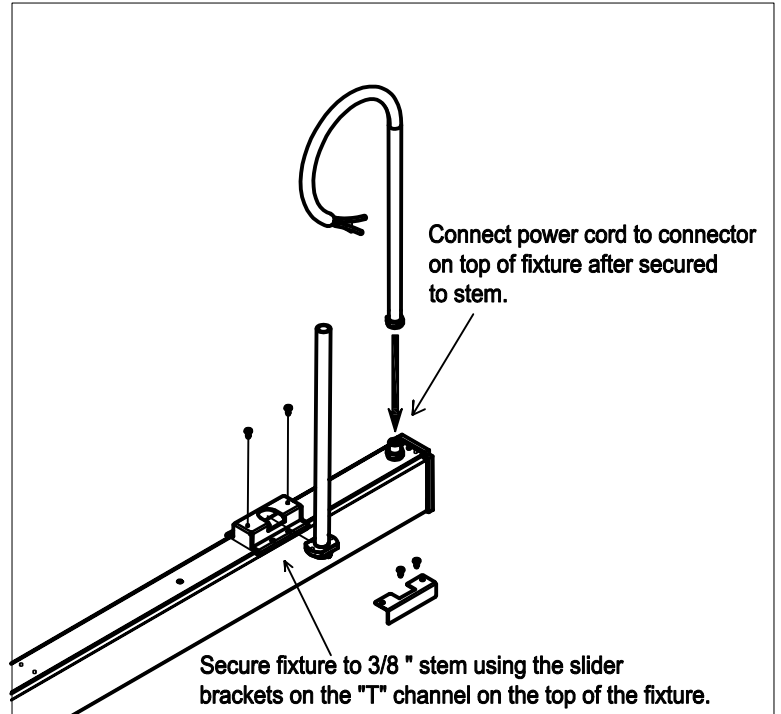
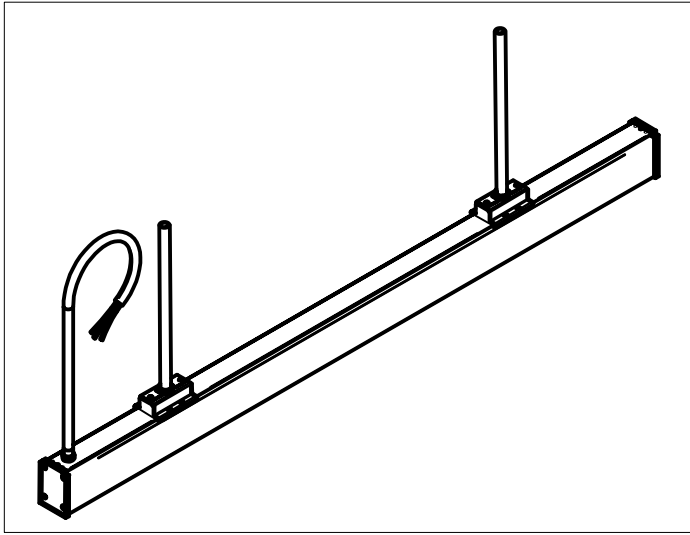
PAGE 7. = MULLION MOUNT.

PAGE 8 - 9. = RECESSED MOUNT.

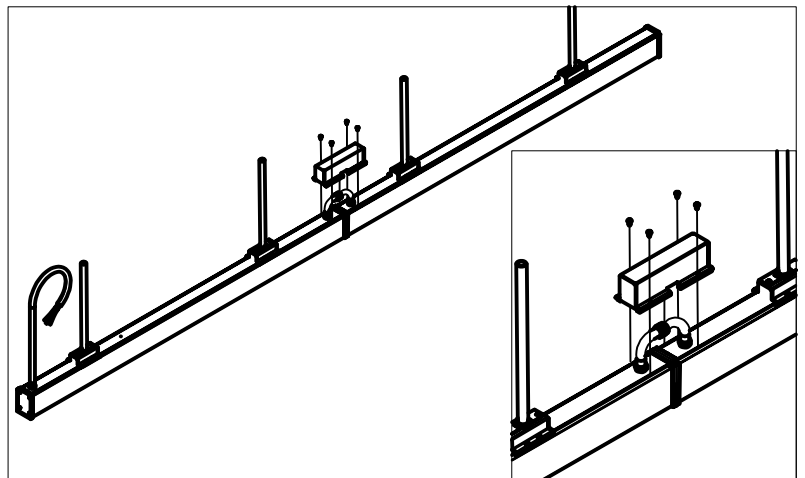
PAGE 10 -15. = ADJUSTABLE ARM MOUNT.

PAGE 16 - 17. = CONTINUOUS RUN MAX LENGTHS





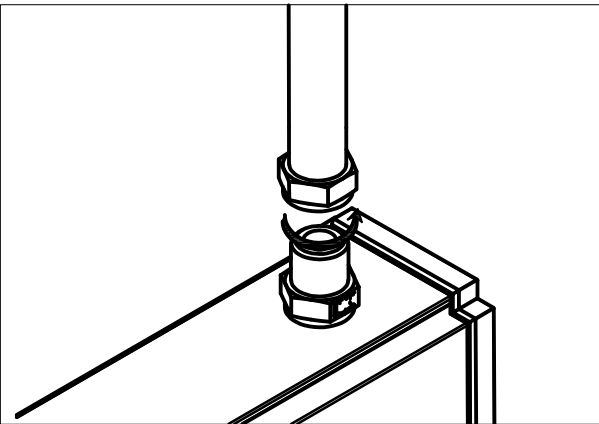
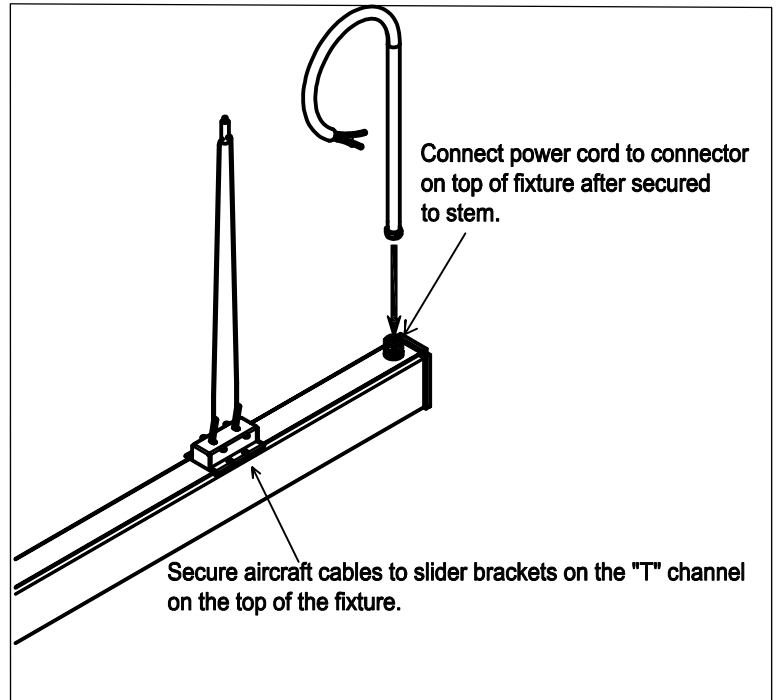
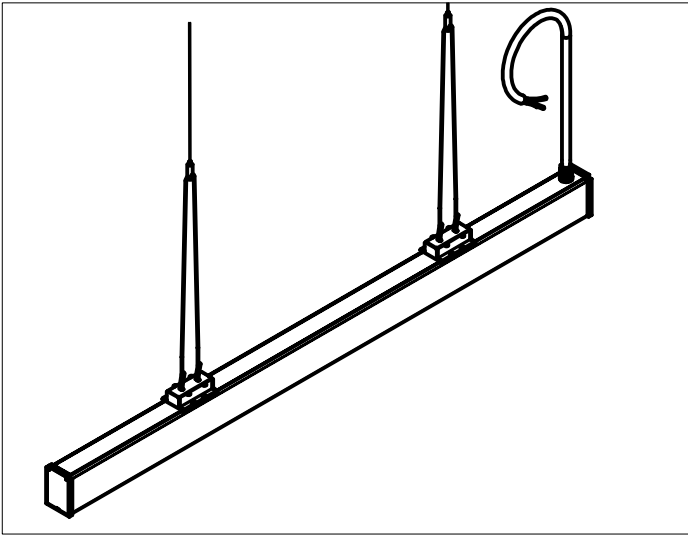
Connect the AC cable to the fitting on the top of the fixture. Thread fitting securely. Be aware of seal.



For continuous row , mount fixtures to adjacent stems as above. Make fixture to fixture connections using male & female connectors at fixture ends. Cover connection with joiner bracket as shown.

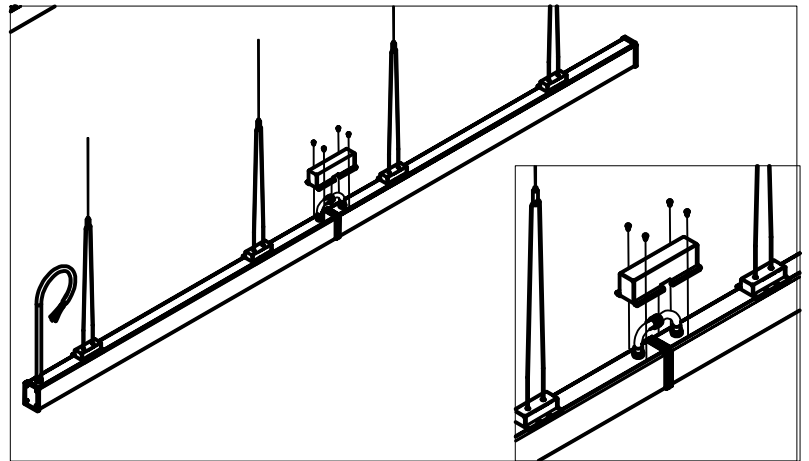


## INSTALLATION GUIDE



Connect the AC cable to the fitting on the top of the fixture.  
Thread fitting securely. Be aware of seal.

2ft fixtures.



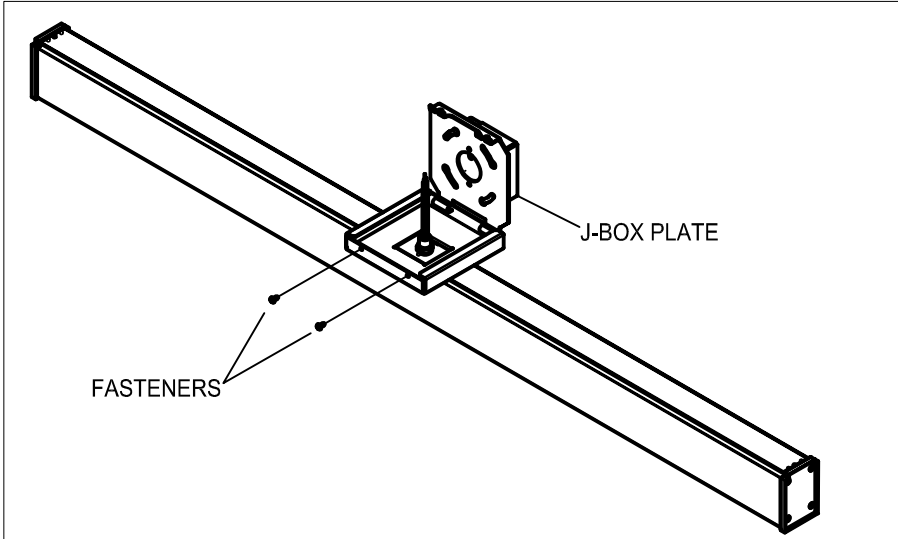
For continuous row, mount fixtures to adjacent cable kits as above. Make fixture to fixture connections using male & female connectors at fixture ends. Cover connection with joiner bracket as shown.

3ft fixtures.



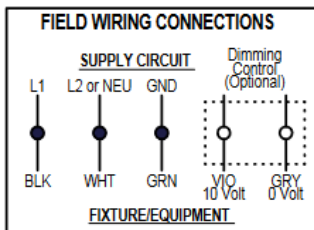
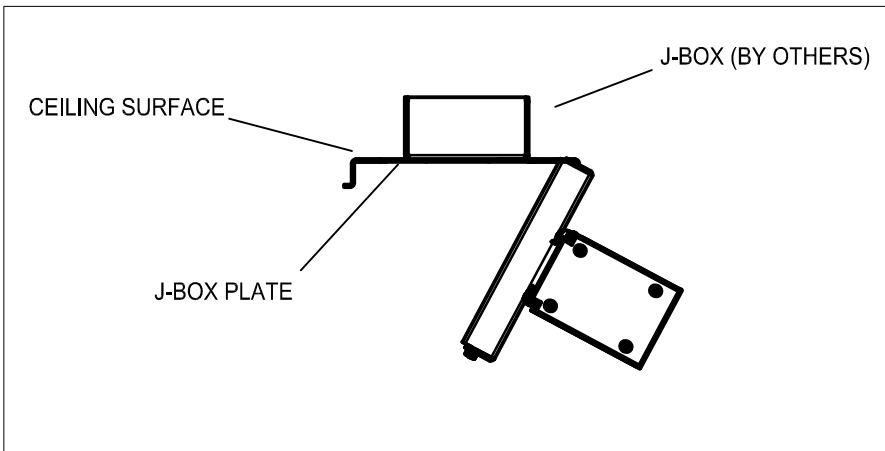
# LSI LAW Series Surface Mount

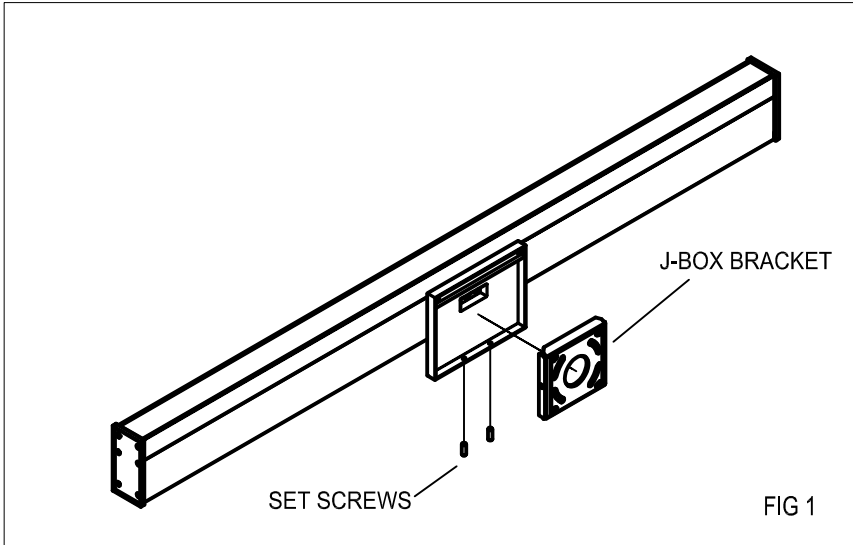
## INSTALLATION GUIDE



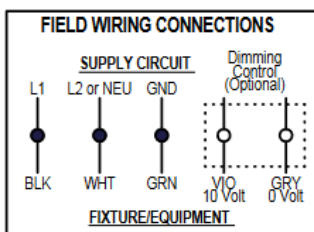
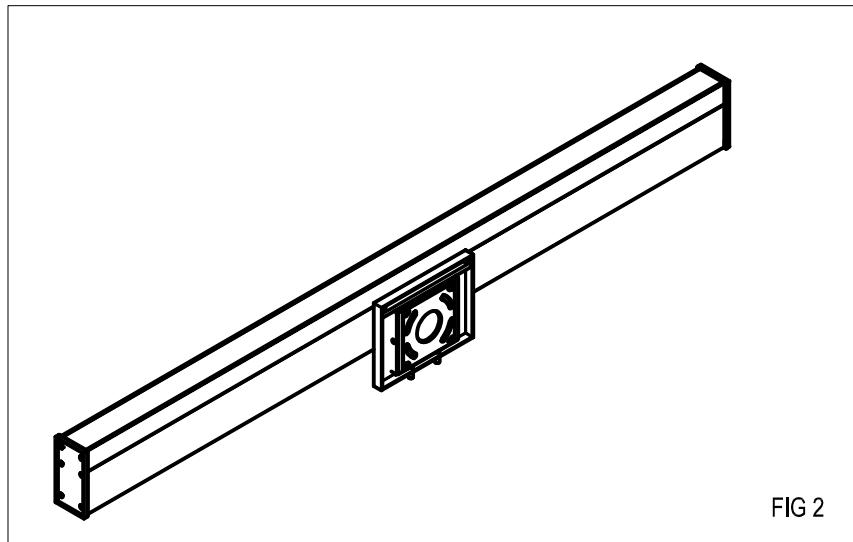
### STEPS FOR DIRECT MOUNTING

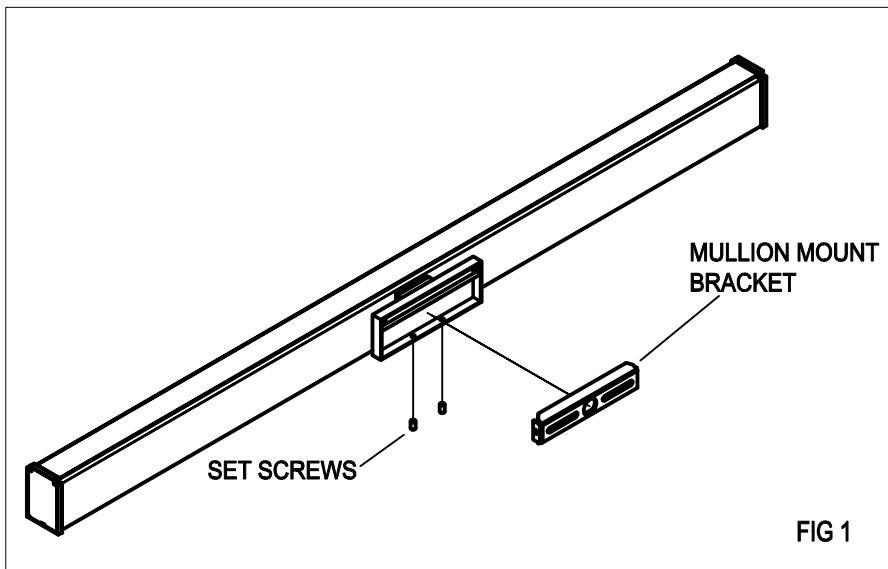
1. Remove j-box plate from luminaire and attach to junction box (junction box and fasteners provided by others).
2. Hang fixture from j-box plate in preparation for wiring.
3. Make wiring connections and position wire nut branch connections inside junction box.
4. Swing fixture closed and tighten two fasteners completing fixture installation.



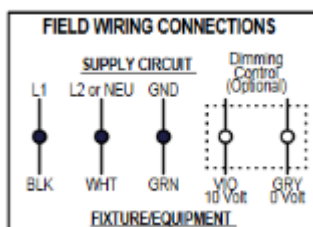
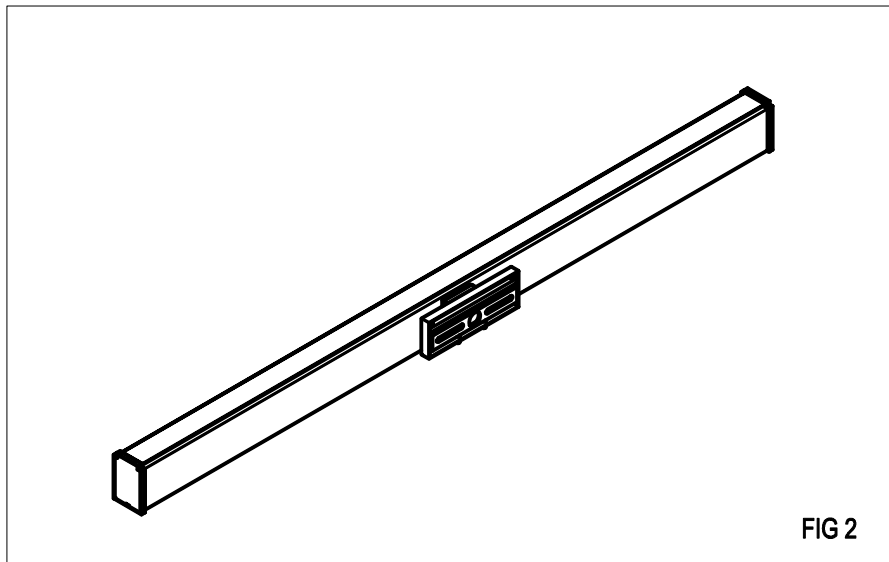


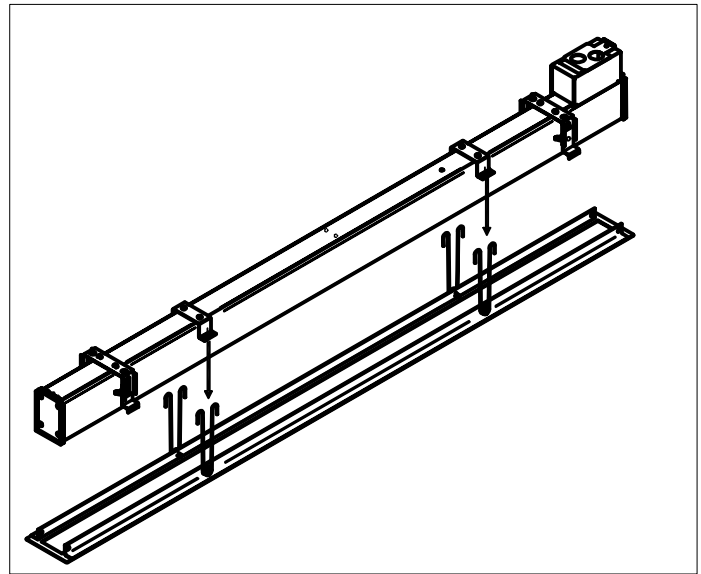
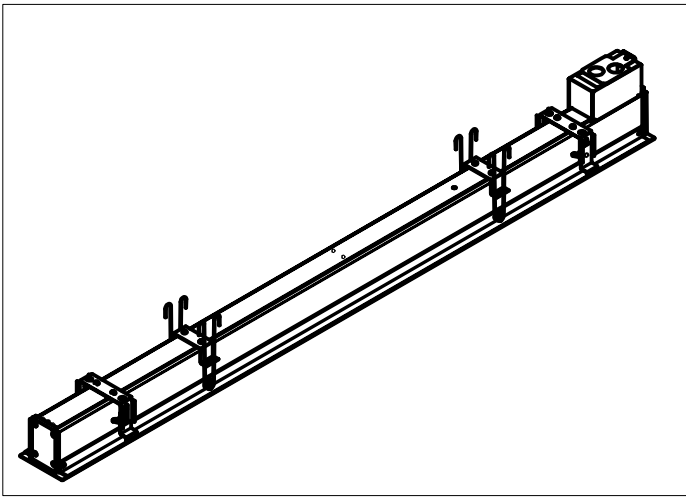
1. Remove the J-Box Bracket from the luminaire by loosening the (2) Set Screws, Fig. 1.
2. Using (2) fasteners (8-32 screws) by others, attach J-Box Bracket to J-Box.
3. Make wiring connections and position wire nut branch connections inside junction box.
4. Re-position Luminaire on J-Box Bracket and tighten Set Screws, Fig. 2.



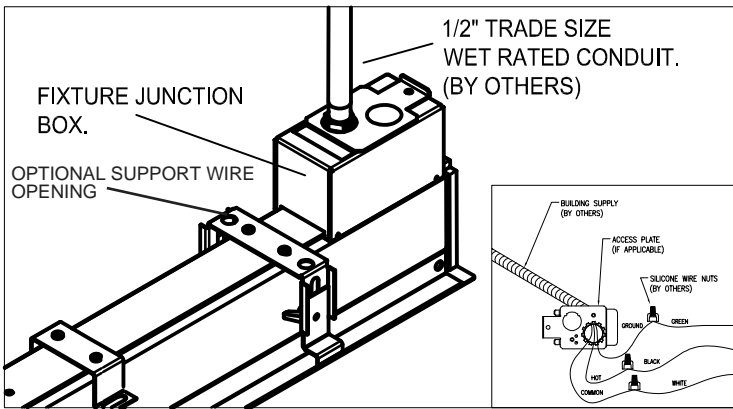


1. Remove the J-Box Bracket from the luminaire by loosening the (2) Set Screws, Fig. 1.
2. Using (2) fasteners (8-32 screws) by others, attach Mullion Mount Bracket to J-Box.
3. Make wiring connections and position wire nut branch connections inside junction box.
4. Re-position Luminaire on J-Box Bracket and tighten Set Screws, Fig. 2.

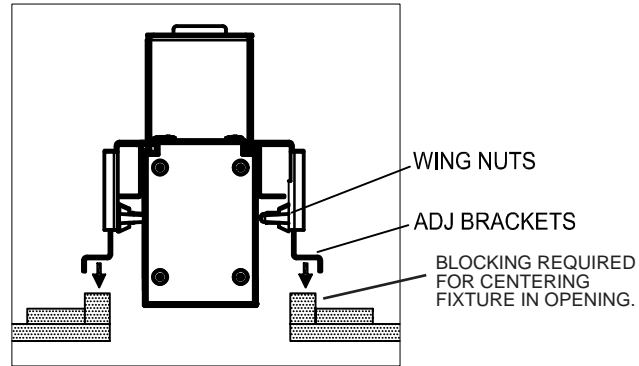




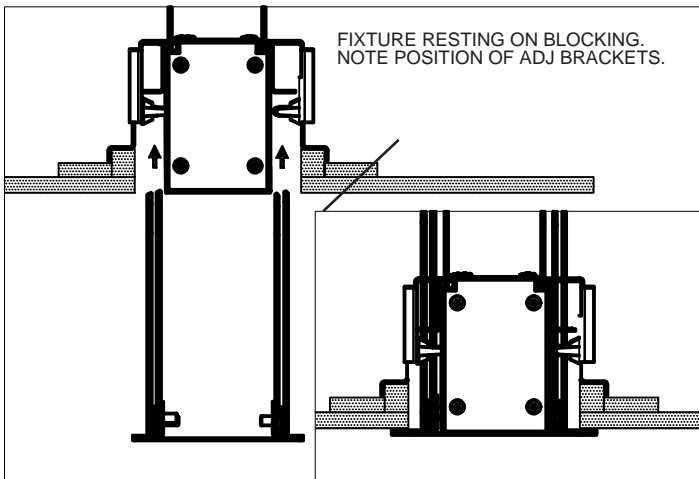
REMOVE FLANGE ASSEMBLY FROM HOUSING BY DISENGAGING TORSION SPRINGS FROM HOUSING BRACKETS.



MAKE CONNECTION BETWEEN FIXTURE & BUILDING POWER USING WET RATED FLEX CONDUIT. USE SILICONE WIRE NUTS (BY OTHERS) TO MAKE CONNECTIONS IN FIXTURE JUNCTION BOX.

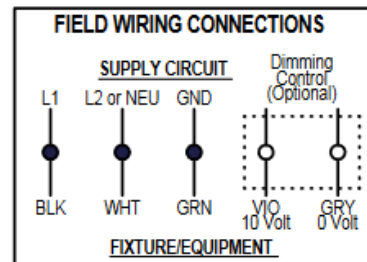


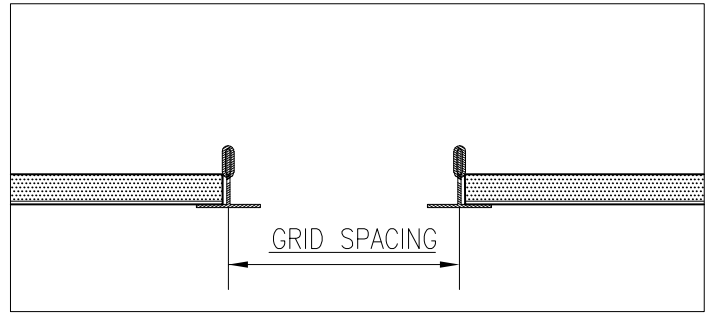
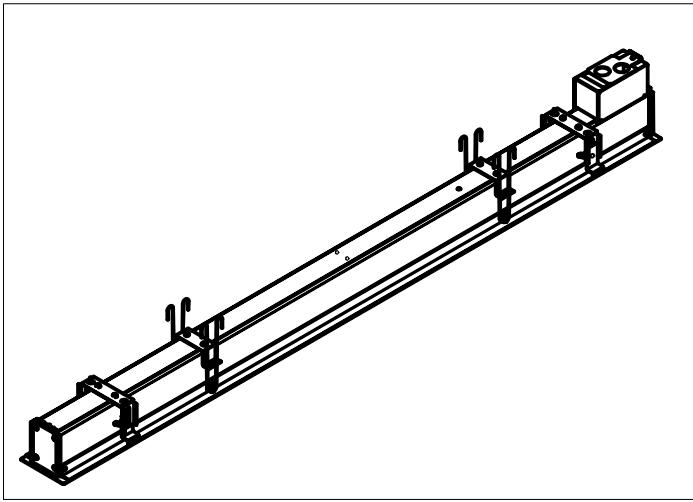
LIFT FIXTURE THROUGH ROUGH IN IN CEILING. REST FIXTURE ONTO CEILING STRUCTURE USING ADJUSTABLE BRACKETS. USE BRACKET WING NUTS TO ADJUST FIXTURE HEIGHT IN ROUGH IN.



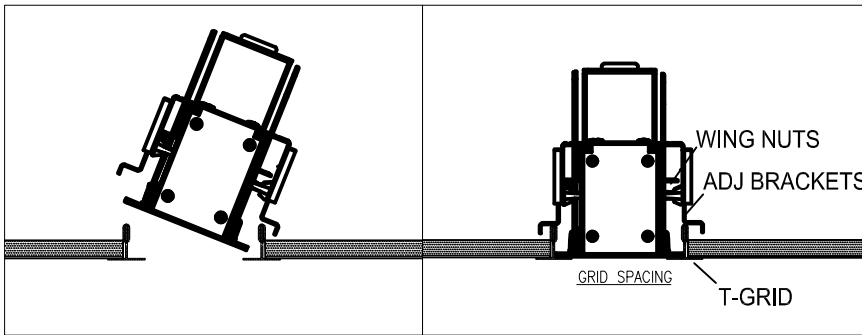
SECURE FLANGE ASSEMBLY TO HOUSING BY ENGAGING SPRINGS INTO HOUSING BRACKETS.

CEILING ROUGH IN DIMENSIONS		
FIXTURE LENGTH	ROUGH IN LENGTH	ROUGH IN WIDTH
1FT	12.75"	3.5"
2FT	24.75"	3.5"
3FT	36.75"	3.5"
4FT	48.75"	3.5"
5FT	60.75"	3.5"
6FT	72.75"	3.5"
7FT	84.75"	3.5"
8FT	96.75"	3.5"

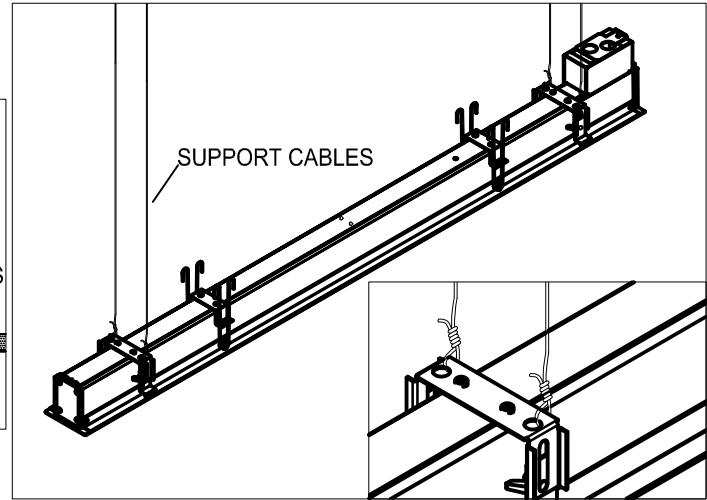




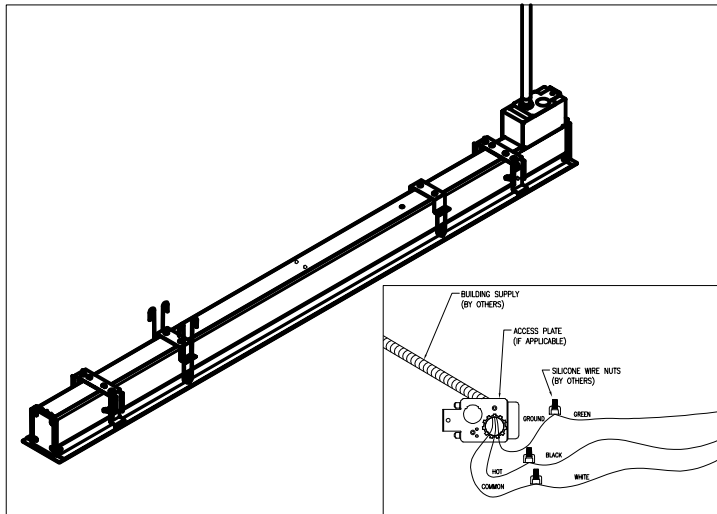
SET GRID OPENING TO DIMENSIONS SHOWN IN TABLE BELOW.



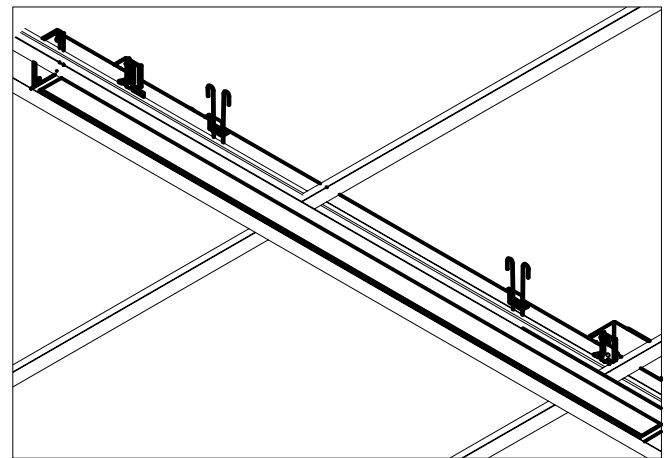
SET FIXTURE INTO CEILING GRID.  
ADJUST MOUNTING BRACKETS TO FIT CEILING TEE.



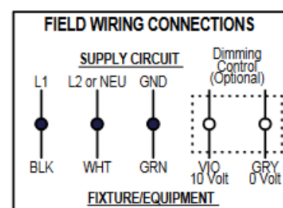
FIXTURE IS PROVIDED WITH PROVISIONS FOR INDEPENDENT FIXTURE SUPPORT WHERE A.H.J CODE IS REQUIRED. SECURE WITH SUPPORT CABLES AS SHOWN.



MAKE CONNECTION BETWEEN FIXTURE & BUILDING POWER USING WET RATED FLEX CONDUIT. USE SILICONE WIRE NUTS (BY OTHERS) TO MAKE CONNECTIONS IN FIXTURE JUNCTION BOX.



FIXTURE IS NOW INSTALLED



CEILING GRID DIMENSIONS		
FIXTURE LENGTH	GRID LENGTH	GRID WIDTH
1FT	13.25"	4.25"
2FT	25.25"	4.25"
3FT	37.25"	4.25"
4FT	49.25"	4.25"
5FT	61.25"	4.25"
6FT	73.25"	4.25"
7FT	85.25"	4.25"
8FT	97.25"	4.25"



# Installation and Assembly Instructions

## LAW2 ADJ ARM

 **WARNING**

**Risk of fire, electric shock, injury or property damage**

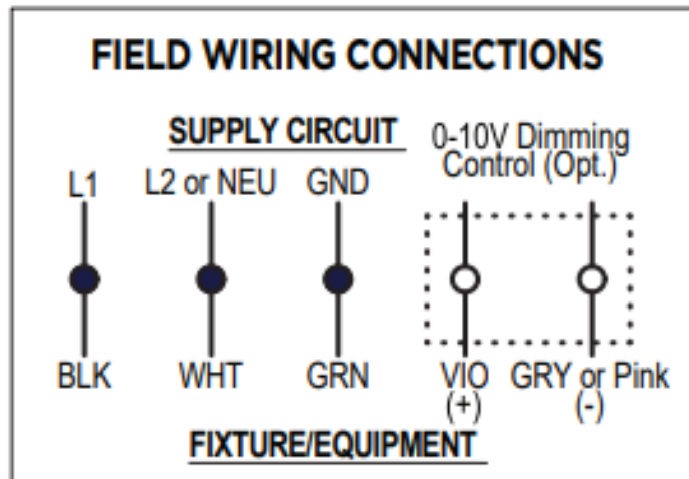
Risk of electric shock--Disconnect power to equipment before installing or servicing.  
 This equipment must be installed according to all applicable codes & ordinances.  
 Installation and service of this equipment must be performed by qualified service personnel.  
 Do not install damaged equipment.  
 Read these instructions before installing, servicing or maintaining this equipment.  
 Save these instructions for maintaining and servicing.

 **CAUTION**

Failure to follow instructions or altering equipment could result in damage and void warranty.  
 Edges may cut--wear gloves while handling or servicing this equipment.  
 Inspect equipment for damage from shipping and handling.

### LUMINAIRE INSPECTION

Remove the luminaire and arms from the cartons and inspect for damage. Do not install a damaged luminaire or arms.



For technical support contact us at [controls.support@lsicorp.com](mailto:controls.support@lsicorp.com) or call 800.436.7800 ext. 3300

# Installation and Assembly Instructions

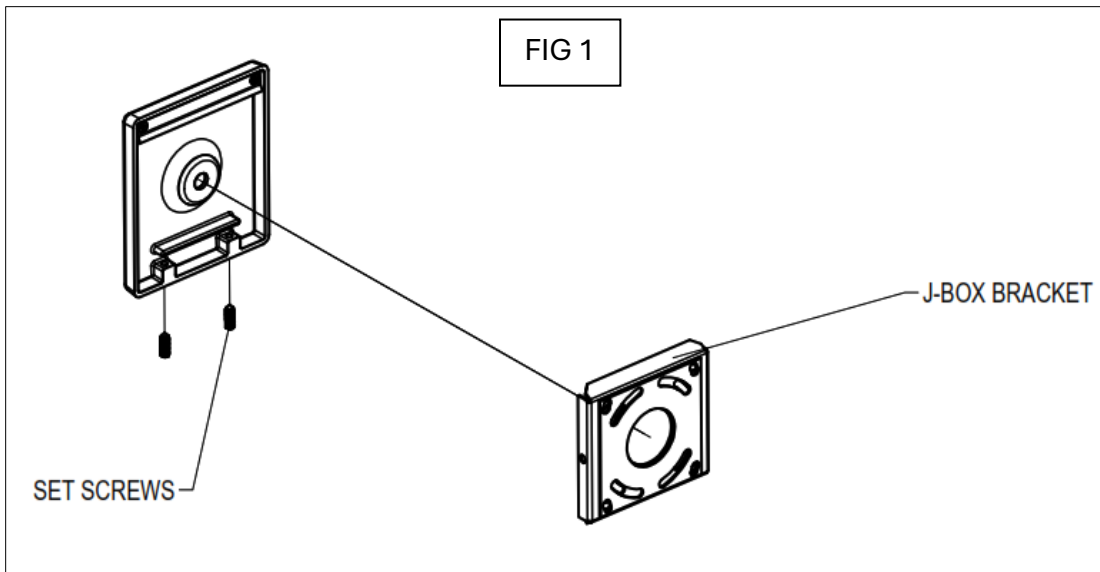
## LAW2 ADJ ARM

**Tools Required for Wall Mount:**

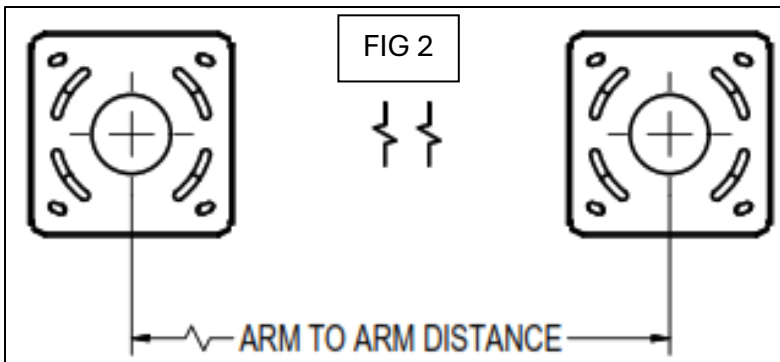
- Allen Wrench: 1/4", 1/8" and 5/64"

**Wall Mount**

1. Remove J-Box Brackets from the Wall Mount by loosening the 2 Set Screws, Fig 1.



2. Using (2) Fasteners (8-32 screws) by others, attach J-Box Bracket to J-Box.
3. Using (2) Fasteners (8-32 screws) by others, attach J-Box Bracket to wall. Bracket to Bracket spacing must be:



<b>Fixture Length (ft)</b>	<b>Arm Center line to Center line Distance (in)</b>
<b>1</b>	13.75
<b>2</b>	25.75
<b>3</b>	37.75
<b>4</b>	49.75
<b>5</b>	61.75
<b>6</b>	73.75
<b>7</b>	85.75
<b>8</b>	97.75

# Installation and Assembly Instructions

## I AW2 ADI ARM

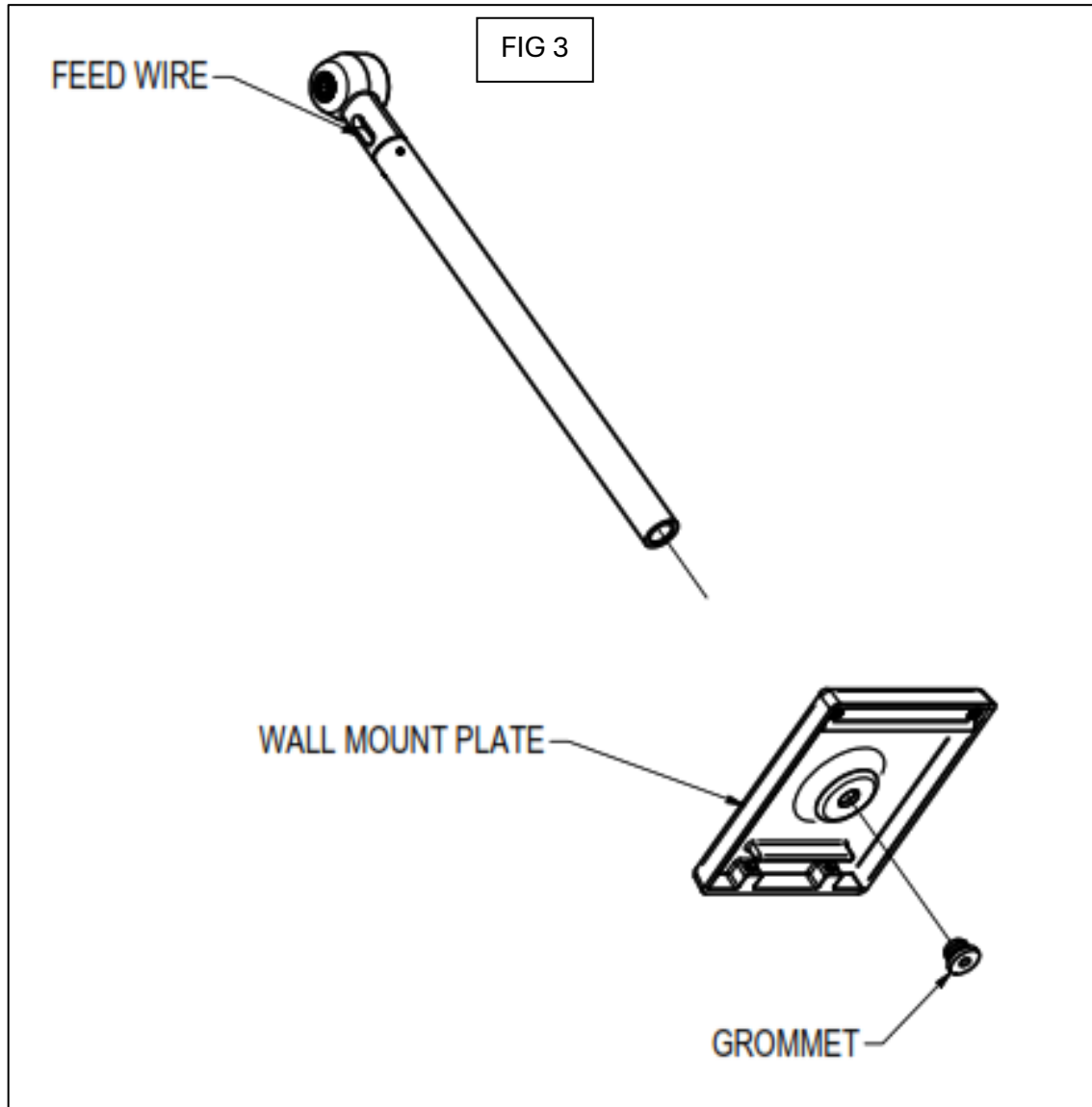
### Tools Required for Wall Mount:

- Allen Wrench: 1/4", 1/8" and 5/64"

#### Wall Mount

4. Feed wire through the side of the arm head for the side designated for the junction box mount, until end of wire comes out the end of the arm and there is approximately 6 inches from connector to opening in the arm head.

Fig 3



5. Then remove grommet from bag and feed wire through main hole of plate. Secure arm to mounting plate until fully engaged with pipe thread. Slide grommet on cable and press to seat with mounting plate. Secure the other arm into the mounting bracket at this step now.
6. Cut and strip cable as needed to make wiring connections and position wire nut branch connections inside junction box for the junction side.
7. Re-Position the assembly on the J-Box Bracket and tighten set screws to 20in\*lbs. **MAKE SURE SCREWS DO NOT STICK OUT OF THE BOTTOM OF BRACKET.** Do this also for the side that does not have a junction box but bracket is directly mounted to the wall. See Fig 1

# Installation and Assembly Instructions

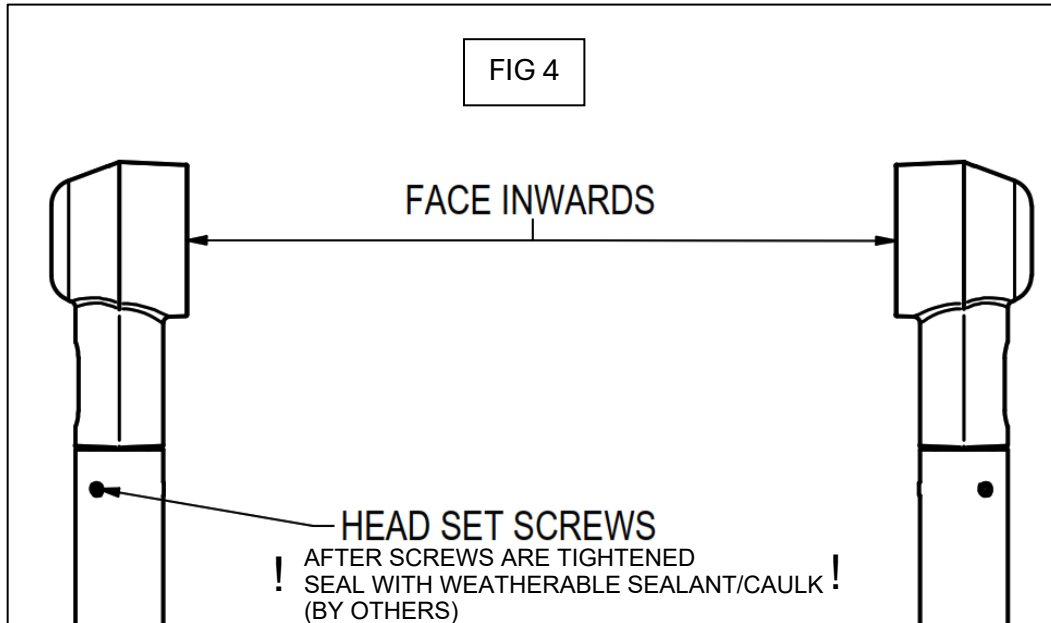
## LAW2 ADJ ARM

### Tools Required for Wall Mount:

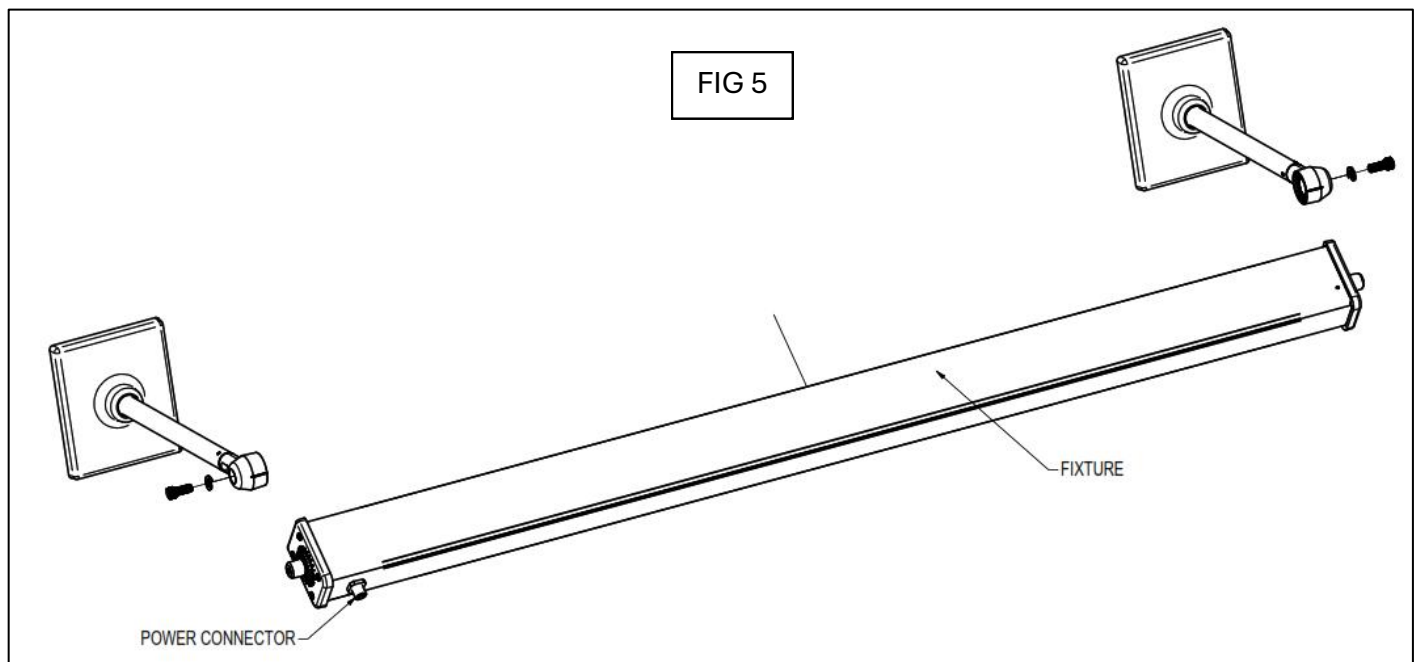
- Allen Wrench: 1/4", 1/8" and 5/64"

### Wall Mount

- Once both stems are secured to wall, rotate heads of arms inward. Loosen set screws at head if unable to rotate. Fig 4 Once heads are facing inward tighten all 6 set screws to lock in place to 20in\*lbs.



- Attach fixture to both arms using Socket head Screw and Lock nuts. Fig 5. Once Orientation of fixture is determined torque screws to 80in-lbs.



- Connect end of the wire to the connector side of the fixture.

# Installation and Assembly Instructions

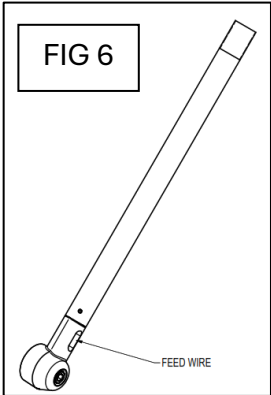
## LAW2 ADJ ARM

**Tools Required for Stem Mount:**

- Allen Wrench: 1/4" and 5/64"

**Stem Mount**

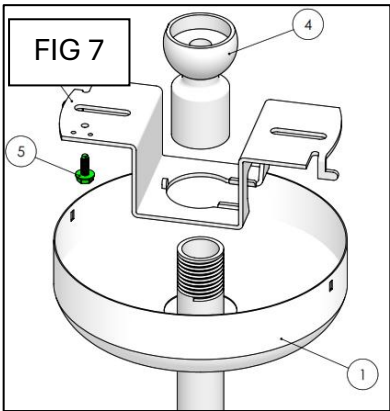
1. Feed wire through the side of the arm head for the Junction arm, until end of wire comes out the end of the arm and there is approximately 6 inches from connector to opening in the arm head. Fig 6



2. Cut and Strip cable as needed to make wiring connections and position wire nut branch connections inside junction box for the junction side. And place mount for other side according to TABLE 2

<b>TABLE 2</b>	
<b>Fixture Length (ft)</b>	<b>Arm Center line to Center line Distance (in)</b>
<b>1</b>	13.75
<b>2</b>	25.75
<b>3</b>	37.75
<b>4</b>	49.75
<b>5</b>	61.75
<b>6</b>	73.75
<b>7</b>	85.75
<b>8</b>	97.75

3. Attach canopy kit and arms according to Fig 7.



# Installation and Assembly Instructions

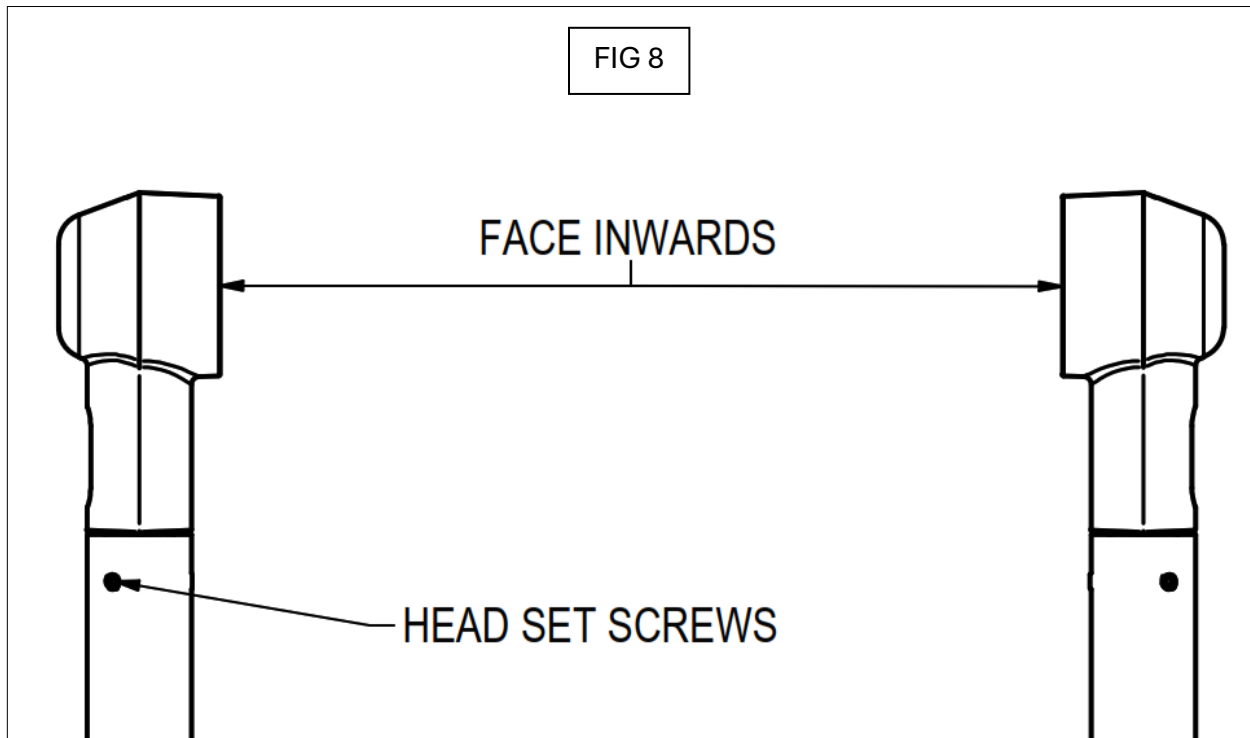
## LAW2 ADJ ARM

**Tools Required for Stem Mount:**

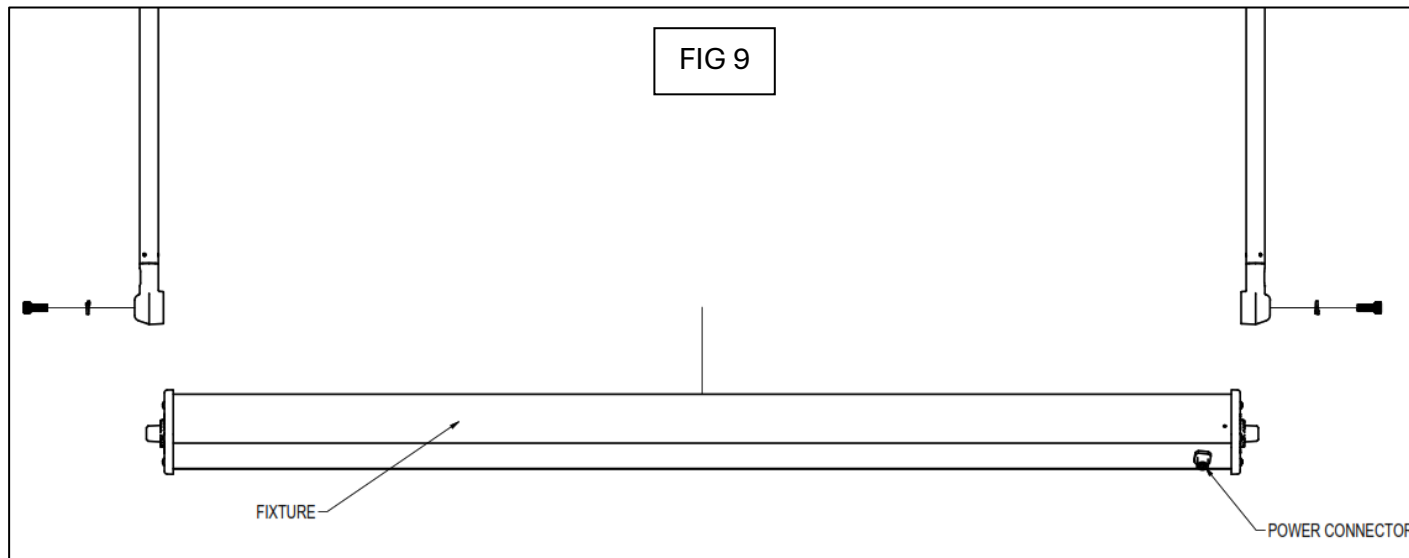
- Allen Wrench: 1/4" and 5/64"

### Stem Mount

4. Once both stems are secured to wall, rotate heads of arms inward. Loosen set screws at head if unable to rotate. Fig 8 Once heads are facing inward tighten all 6 set screws to lock in place to 20in\*lbs.



5. Attach fixture to both arms using Socket head Screw and Lock nuts. Fig 5. Once Orientation of fixture is determined lock it to 80in\*lbs. Fig 9



6. Connect end of the cable to the connector side of the fixture.

### MAX RUN LENGTHS

#### 2ft fixtures.

#### 3ft fixtures.

Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@120V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
2	15L	27	0.2475	24	48	5.94
2	12L	21	0.1925	31	62	5.9675
2	10L	18	0.17	35	70	5.95
2	07L	12	0.11	54	108	5.94
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@208V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
2	15L	27	0.14	42	84	6
2	12L	21	0.11	54	108	6
2	10L	18	0.11	63	126	6
2	07L	12	0.06	94	188	5.97
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@240V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
2	15L	27	0.12	48	96	5.94
2	12L	21	0.1	62	124	5.97
2	10L	18	0.08	72	144	5.94
2	07L	12	0.06	109	218	6
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@277V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
2	15L	27	0.11	55	110	5.9
2	12L	21	0.08	71	142	5.92
2	10L	18	0.07	83	166	5.93
2	07L	12	0.05	125	250	5.96
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@347V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
2	15L	27	0.09	70	140	5.99
2	12L	21	0.07	90	180	5.99
2	10L	18	0.06	105	210	5.99
2	07L	12	0.04	157	314	5.97

Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@120V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
3	15L	39	0.3575	16	48	5.72
3	12L	31	0.284166667	21	63	5.9675
3	10L	26	0.24	25	75	6
3	07L	18	0.17	35	105	5.95
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@208V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
3	15L	39	0.21	29	87	5.98
3	12L	31	0.16	36	108	5.9
3	10L	26	0.14	43	129	5.91
3	07L	18	0.1	63	189	6
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@240V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
3	15L	39	0.18	33	99	5.9
3	12L	31	0.14	42	126	5.97
3	10L	26	0.12	50	150	5.96
3	07L	18	0.08	72	216	5.94
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@277V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
3	15L	39	0.15	38	114	5.89
3	12L	31	0.12	48	144	5.91
3	10L	26	0.1	58	174	5.99
3	07L	18	0.07	83	249	5.93
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@347V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
3	15L	39	0.12	48	144	5.93
3	12L	31	0.1	61	183	5.99
3	10L	26	0.08	72	216	5.99
3	07L	18	0.06	105	315	5.99

#### 4ft fixtures

#### 5ft fixtures

Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@120V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
4	15L	52	0.48	12	48	5.72
4	12L	40	0.37	16	64	5.87
4	10L	33	0.3	20	80	6
4	07L	24	0.22	27	108	5.94
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@208V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
4	15L	52	0.28	21	84	5.78
4	12L	40	0.21	28	112	5.92
4	10L	33	0.17	34	136	5.93
4	07L	24	0.13	47	188	5.97
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@240V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
4	15L	52	0.24	25	100	5.96
4	12L	40	0.18	32	128	5.87
4	10L	33	0.15	39	156	5.9
4	07L	24	0.11	54	216	5.94
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@277V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
4	15L	52	0.21	29	116	5.99
4	12L	40	0.16	37	148	5.88
4	10L	33	0.13	45	180	5.9
4	07L	24	0.1	62	248	5.91
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@347V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
4	15L	52	0.16	36	144	5.93
4	12L	40	0.13	47	188	5.96
4	10L	33	0.1	57	228	5.96
4	07L	24	0.08	78	312	5.93

Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@120V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
5	15L	65	0.6	10	50	5.96
5	12L	51	0.4675	12	60	5.61
5	10L	42	0.39	15	75	5.85
5	07L	29	0.27	22	110	5.94
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@208V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
5	15L	65	0.34	17	85	5.84
5	12L	51	0.27	22	110	5.93
5	10L	42	0.22	27	135	6
5	07L	29	0.15	39	195	5.98
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@240V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
5	15L	65	0.3	20	100	5.96
5	12L	51	0.23	25	125	5.84
5	10L	42	0.19	31	155	5.97
5	07L	29	0.13	45	225	5.98
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@277V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
5	15L	65	0.26	23	115	5.94
5	12L	51	0.2	29	145	5.87
5	10L	42	0.17	35	175	5.84
5	07L	29	0.12	52	260	5.99
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@347V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
5	15L	65	0.21	29	145	5.98
5	12L	51	0.16	37	185	5.98
5	10L	42	0.13	45	225	5.99
5	07L	29	0.09	65	325	5.98

#### 6ft fixtures

Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@120V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
6	15L	78	0.72	8	48	5.72
6	12L	61	0.56	10	60	5.91666667
6	10L	50	0.46	13	78	5.98
6	07L	35	0.32	18	108	5.76
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@208V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
6	15L	78	0.41	14	84	5.78
6	12L	61	0.32	18	108	5.81
6	10L	50	0.26	22	132	5.82
6	07L	35	0.19	32	192	5.92
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@240V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
6	15L	78	0.36	16	96	5.72
6	12L	61	0.28	21	126	5.87
6	10L	50	0.23	26	156	5.96
6	07L	35	0.16	37	222	5.94
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@277V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
6	15L	78	0.31	19	114	5.89
6	12L	61	0.24	24	144	5.81
6	10L	50	0.2	30	180	5.96
6	07L	35	0.14	43	258	5.98
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@347V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
6	15L	78	0.25	24	144	5.93
6	12L	61	0.19	31	186	5.99
6	10L	50	0.16	37	222	5.86
6	07L	35	0.11	54	324	5.99

MAX RUN LENGTHS CONTINUED

7ft fixtures

Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@120V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
7	15L	86	0.79	7	49	5.518333333
7	12L	70	0.64	9	63	5.775
7	10L	58	0.53	11	77	5.83
7	07L	41	0.38	15	105	5.7
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@208V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
7	15L	86	0.45	13	91	5.91
7	12L	70	0.37	16	112	5.92
7	10L	58	0.31	19	133	5.83
7	07L	41	0.22	27	189	5.85
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@240V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
7	15L	86	0.39	15	105	5.91
7	12L	70	0.32	18	126	5.78
7	10L	58	0.27	22	154	5.85
7	07L	41	0.19	31	217	5.83
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@277V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
7	15L	86	0.34	17	119	5.81
7	12L	70	0.28	21	147	5.84
7	10L	58	0.23	26	182	5.99
7	07L	41	0.16	36	252	5.86
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@347V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
7	15L	86	0.27	22	154	6
7	12L	70	0.22	27	189	5.99
7	10L	58	0.18	32	224	5.88
7	07L	41	0.13	46	322	5.98

8ft fixtures

Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@120V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
8	15L	104	0.95	6	48	5.72
8	12L	80	0.73	8	64	5.87
8	10L	66	0.61	9	72	5.49
8	07L	47	0.25	24	192	5.97
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@208V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
8	15L	104	0.55	10	80	5.5
8	12L	80	0.42	14	112	5.92
8	10L	66	0.35	17	136	5.93
8	07L	47	0.25	24	192	5.97
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@240V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
8	15L	104	0.48	12	96	5.72
8	12L	80	0.37	16	128	5.87
8	10L	66	0.3	19	152	5.75
8	07L	47	0.22	27	216	5.82
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@277V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
8	15L	104	0.41	14	112	5.78
8	12L	80	0.32	18	144	5.72
8	10L	66	0.26	22	176	5.77
8	07L	47	0.19	32	256	5.97
Fixture Length (ft)	Lumen PKG	Wattage	Input Current (@347V)	Max Fixture Quantity	Max Run Length (ft)	Max Current (A)
8	15L	104	0.33	18	144	5.93
8	12L	80	0.25	23	184	5.83
8	10L	66	0.21	28	224	5.86
8	07L	47	0.15	40	320	5.96