AMERICAN LINEAR LIGHTING

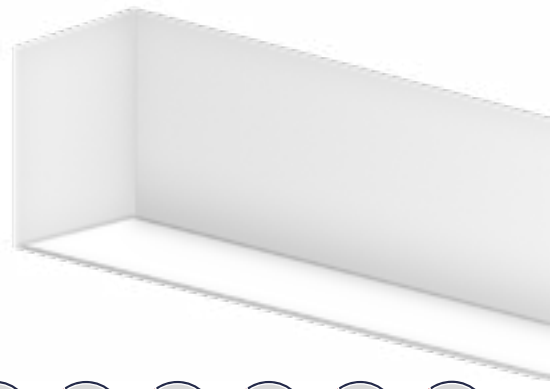
MANUFACTURED IN THE USA | 10 YEAR WARRANTY | 2-WEEK LEAD TIME | VERTICAL INTEGRATION

3WID WALL

INDIRECT / DIRECT

3-INCH FAMILY

DATE | PROJECT | COMMENTS



PRODUCT FEATURES

FIXTURE HOUSING
Width: 3.0" Height: 4.0"

INDIRECT ILLUMINATION
Diffused forward-throw optics properly illuminates the wall, provides even illumination across the ceiling and protects LED's from dust and debris

ONE-PIECE EXTRUDED ALUMINUM HOUSING
Housing ensures straighter rows and consistent lens retention

120/277VAC 0-10 VOLT DIMMING TO 1% STANDARD

UP TO 159.7 LUMENS PER WATT AT 90 CRI

c UL us LISTED | BAA COMPLIANT | BABA COMPLIANT | UNIFORM DIRECT ILLUMINATION | SURE-FIT ALIGNMENT | INDIRECT ILLUMINATION | INDIRECT BATWING | 90 CRI STANDARD

ORDERING GUIDE EX: 3WID - 20 - HU - HD - 30 - UNV - WH - C90

SERIES	LENGTH	UPPER OUTPUT	DIRECT OUTPUT	CCT	VOLTAGE	FINISH
3WID						
	XX FT 1' Increments EX: 20' = 20	**VHU** 1250 LM/FT **HU** 1000 LM/FT **MU** 750 LM/FT	**LU** 500 LM/FT **VLU**[4] 250 LM/FT **CU** Custom	**VHD** 1250 LM/FT **HD** 1000 LM/FT **MD** 750 LM/FT	**LD** 500 LM/FT **VLD** 250 LM/FT **CD** Custom	**30** 3000K **35** 3500K **40** 4000K	**UNV** 120-277V **347**[1] 347V	**WH** White **BLK** Black

ORDERING NOTES

1. EM NOT AVAILABLE WITH 347V.
2. EM AND SENSORS ARE NOT AVAILABLE WITH 2' AND 3' FIXTURES.
3. FOR INDIVIDUAL FIXTURES, SENSOR LOCATED AT POWER FEED END. FOR RUNS, A SENSOR IS INSTALLED INTO EACH FIXTURE IN RUN, EX. 2 SENSORS ARE INSTALLED IN A 16' RUN (1 SENSOR IN EACH 8' FIXTURE).
4. VLU NOT AVAILABLE ON 2 FT LENGTHS.

OPTIONS

CRI	INTEGRATED CONTROLS[2, 3, 5]	OPTICAL	CIRCUITING	FOR INDIVIDUALS	FOR LINEAR RUNS[7, 8]
C90					**EM** / EMERGENCY BATTERY PACK / QUANTITY PER RUN[7] / POSITION IN RUN[8] **EC** / EMERGENCY CIRCUIT / QUANTITY PER RUN[7] / POSITION IN RUN[8]
C90 90 CRI	**DOS** Daylight Occupancy Sensor DALI DRIVER STANDARD	**BLANK = LAMBERTIAN** **WW**[6] Wall Wash, Direct	**SS-U/D** Separate Switching UPWARDS/DOWNWARDS	**EM**[2] Emergency Battery CEC LISTED **EC** Emergency Circuit	

OPTIONS NOTES

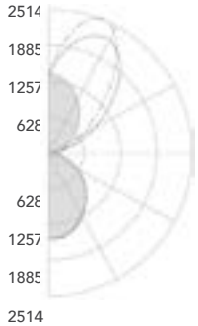
5. CONSULT FACTORY FOR COMPONENT OR SYSTEM NOT LISTED.
6. INTEGRATED CONTROLS NOT AVAILABLE WITH WALL WASH.
7. EM AND EC QUANTITY IS NOT TO EXCEED NUMBER OF DISCRETE FIXTURE SECTIONS IN A ROW.
8. EM AND EC POSITION REFERS TO WHICH FIXTURE IN THE RUN THAT WILL BE POWERED BY THE EM/EC CIRCUIT. POSITION OPTIONS: **S**=STARTER, **J**=JOINER, **E**=ENDER
   EX: 2WID-20-HU-HD-35-UNV-WH-EM2SJ

STARTER	JOINER	ENDER

PHOTOMETRICS

3WID-04-HU-HD-35-UNV-XX-C90

Total Lumens: 7,883
Ratio: 50% Up & 50% Down
Wattage: 56.1
Efficacy: 140.4 LM/W
Fixture Length: Four Feet



0-Deg
45-Deg
90-Deg

Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	1140.0	14.4
0 - 40	1828.8	23.2
0 - 60	3145.9	39.9
0 - 90	3997.3	50.7
90 - 180	3885.9	49.3
0 - 180	7883.1	100.0

ENERGY CONSUMPTION WATTS PER LINEAR FOOT

INDIRECT (ASYMMETRIC) / DIRECT (LAMBERTIAN) LIGHT AT 90 CRI, 3500K

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
Watts/ft	18.2	15.8	13.7	11.7	9.7
Lumens/ft	2496	2239	1995	1739	1508
LPW	137.1	141.7	145.6	148.7	155.5

	HU-VHD	HU-HD	HU-MD	HU-LD	HU-VLD
Watts/ft	16.4	14.0	11.9	9.9	7.9
Lumens/ft	2226	1970	1726	1470	1239
LPW	135.5	140.4	144.7	148.0	156.2

	MU-VHD	MU-HD	MU-MD	MU-LD	MU-VLD
Watts/ft	14.9	12.5	10.4	8.4	6.4
Lumens/ft	1969	1713	1469	1213	982
LPW	132.4	137.3	141.5	144.8	153.9

	LU-VHD	LU-HD	LU-MD	LU-LD	LU-VLD
Watts/ft	13.5	11.1	9.0	7.0	5.0
Lumens/ft	1747	1491	1247	991	760
LPW	129.4	134.3	138.5	141.5	151.9

	VLU-VHD	VLU-HD	VLU-MD	VLU-LD	VLU-VLD
Watts/ft	12.1	9.7	7.6	5.6	3.6
Lumens/ft	1507	1251	1007	751	520
LPW	125.1	129.6	133.4	135.3	146.5

LUMEN ADJUSTMENT CALCULATIONS

LUMEN MULTIPLIERS	
3000K	0.995
4000K	1.023

Example: HU-MD, 3000K at 90CRI
Light Output: 6904 x 0.995 = 6869 lm
Light Output/ft: 1726 x 0.995 = 1717 lm/ft
Efficacy = 1717 / 11.9 = 144.2 lm/W

Rev 25 July 2025

OPERATION

Light Engine:
The 3WID is available in 3000K, 3500K and 4000K CCT all within a 3-Step MacAdam Ellipse and has a standard CRI of 90+.
Direct Optics:
The back lit extruded acrylic lens ensures high efficiency light output, in a minimal form factor for a clean, evenly illuminated surface with minimal glare. Optional Wall Wash (WW) is an asymmetric extruded aluminum reflector with recessed acrylic lens that achieves a superior wall uniformity while minimizing glare.
Indirect Optics:
Standard Asymmetric (AU) diffused forward-throw optics properly illuminates the wall and protects LED's from dust and debris.
Optional Wall Wash:
Asymmetric extruded aluminum reflector with recessed extruded acrylic lens. Designed to be installed on the wall with light directed back into the room.
Electrical:
Class 2 programmable (factory pre-set) premium power supply, 120-277VAC input. Power factor >0.9. THD <15%. Integral Surge Protection to 2KV.
Dimming:
The 3WID comes standard with 0-10V dimming to 1%. For DOS (Daylight/Occupancy Sensor) ordering code, DALI driver required. Advance Xitanium SR, 1% dimming to be utilized.
Emergency Battery Pack:
Emergency Battery Pack has been engineered to exceed UL minimum safety standards. Standard battery is CEC Listed. For most fixtures, the entire direct portion of the fixture will be illuminated by the EM Battery Pack. For 8' VHD, 10' HD and VHD, and 12' MD, HD, and VHD, only the first portion of the fixture will be illuminated by the EM battery pack. "Quantity per Run" refers to the number of fixtures in the run that will be supplied with an emergency battery pack. "Position in Run" refers to which fixture in the run that will contain the battery. Position options are Starter (S), Joiner (J), or Ender (E). For example, a 24' run needing two emergency battery packs, one in the starter and one in the joiner, would be ordered as EM2SJ. When a joiner is selected, battery packs are always supplied in 8' fixtures before 6' fixtures in that run.
Emergency Circuit:
Emergency Circuit fixtures are engineered so that the entire fixture is wired to the emergency circuit. "Quantity per Run" refers to the number of fixtures in the run that are wired to the emergency circuit. "Position in Run" refers to which fixture in the run that will be powered by the Emergency Circuit. Position options are Starter (S), Joiner (J), or Ender (E). For example, a 24' run needing two emergency sections, one in the starter and one in the joiner, would be ordered as EC2SJ. When a joiner is selected, Emergency Circuits are always supplied in 8' fixtures before 6' fixtures in that run.

MECHANICAL

Housing Construction:
Extruded Aluminum 6063-T5 alloy outer housing with die-formed steel internal components for strength, alignment and mounting attachment. Our high-quality die-cast end caps are engineered to conceal all fasteners and to retain the sealing gaskets on the inside of the fixture while completing the clean and minimalistic look of this luminaire.
Alignment/Assembly:
The alignment system employs a four-point alignment and attachment method, designed to create straighter rows and minimize seams between sections (field assembled). Four alignment pins ensure the outer extruded aluminum rails are aligned, while a draw-screw secures housing-to-housing attachment. Additional alignment biscuits double as the light shields.

Lengths:
The 3WID is available in a minimum 2-foot (nominal) length with additional 1-foot increments available (±0.030", ±0.50°). Longer fixture rows are available and will be configured with 4-foot, 5-foot, 6-foot, 7-foot, and 8-foot fixtures. Maximum run length on one power feed is 72'. Continuous runs over 72' will require a second feed.
Mounting Method/Hardware:
Standard mounting hardware includes a galvanized wall cleat with side to side adjusting for final alignment. Position all Junction Boxes in accordance with the Fixture Row Layouts found on pages 3-5. Feed Point is on the left hand mounting point for all products longer than 2'; All 2' Products have a center feed point.
Exterior Finish:
The 3WID is available in White and Black polyester powder coat finish to ensure durability.
Integrated Controls:
The 3WID is available with optional integrated controls. Sensors are conveniently designed to mount in aperture and are located at the power feed end of each fixture. For runs, each fixture section will be supplied with a discrete sensor that will control that specific section. Philips EasySense is standard daylight/occupancy sensor. DALI driver required. If your project requires a component or system not listed, please contact your local American Linear Lighting representative.

MANUFACTURER	ORDERING CODE	SENSOR	CONNECTION	DRIVER
Philips EasySense	DOS	Daylight/PIR Occupancy	Wireless	DALI (Advanced Xitanium SR, 1% Dimming)

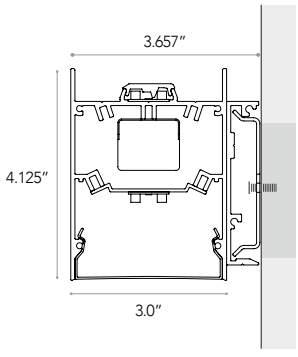
GENERAL

Warranty:
Ten (10) Year limited warranty from date of shipment.
Lumen Maintenance:
Rated for 85% initial lumen output at 90,000 Hours of operation, operated at 25°C ambient temperature; per TM-21 Guidelines published by the Illuminating Engineering Society (IES).
Certifications:
All Luminaires are UL/cUL Listed to UL 1598 Standards and approved for Indoor use in Dry/Damp Locations.

Shipping:
2 week lead time for White (WH) or Black (BLK) finish orders up to 1000 feet. Lead time for orders greater than 1000 linear feet will be determined at time of order.

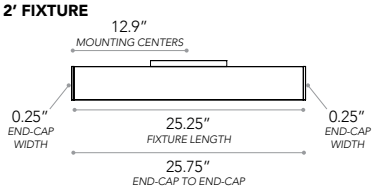
Manufactured in the USA:
All ALL Luminaires and Components (with the exception of our LED boards and drivers) are proudly manufactured and assembled in the USA.

MOUNTING DETAILS



FIXTURE ROW LAYOUT: SINGLE UNIT 2′ - 3′ - 4′ - 5′ - 6′ - 7′ - 8′ - 9′ - 10′ - 11′ - 12′

2′ FIXTURE



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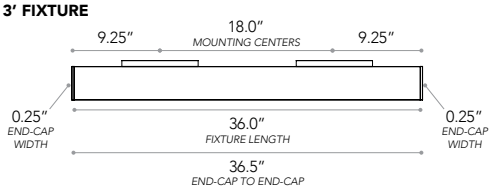

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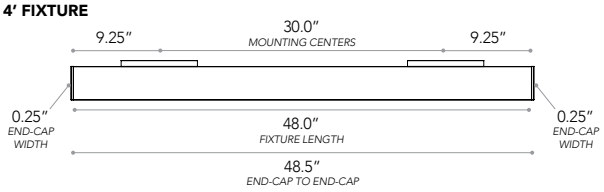

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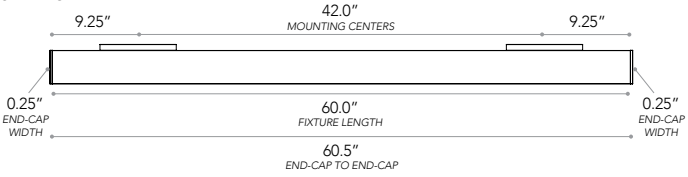
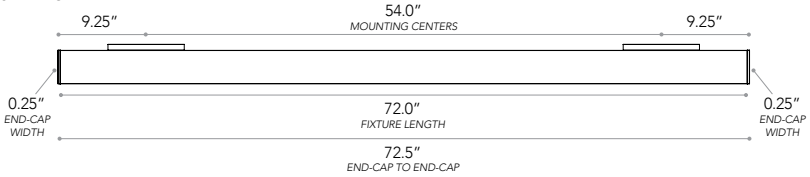
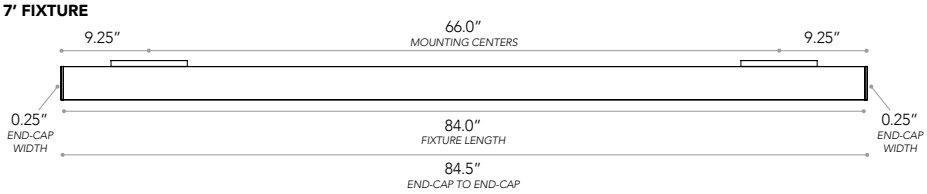


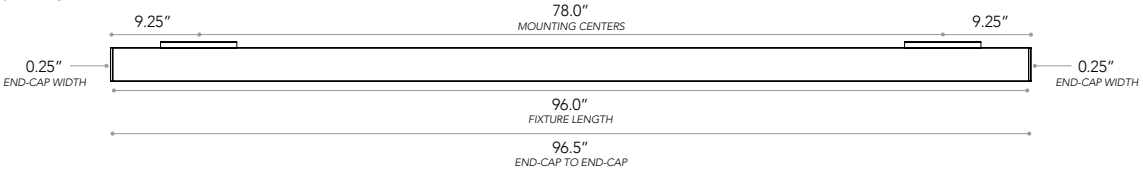
6′ FIXTURE



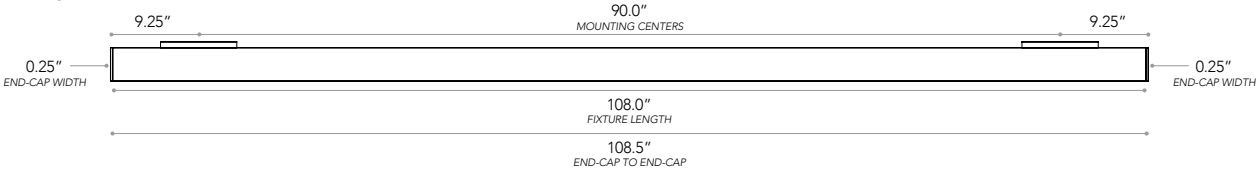
7′ FIXTURE



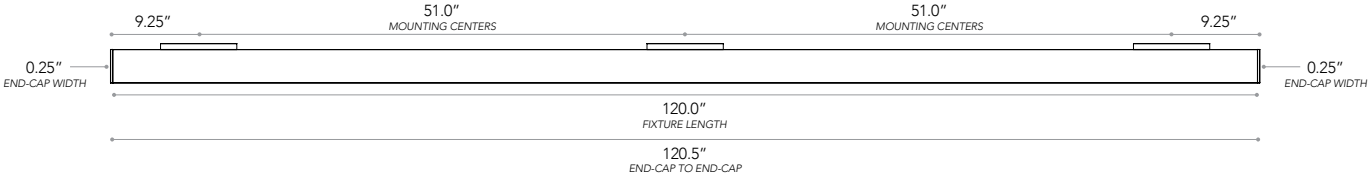
8′ FIXTURE



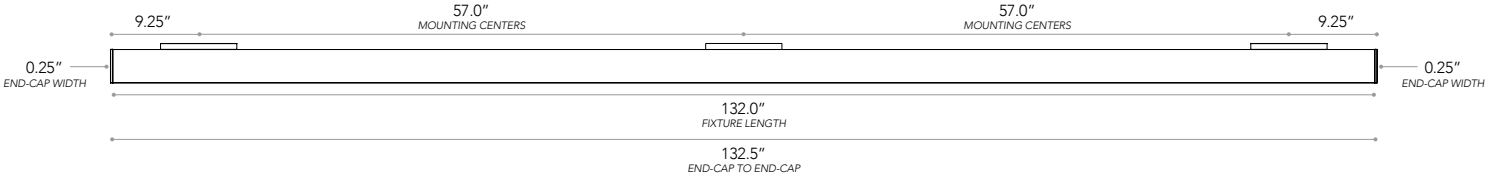
9′ FIXTURE



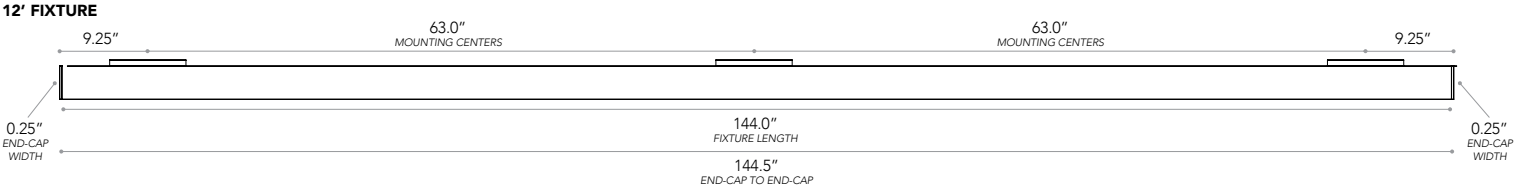
10′ FIXTURE



11′ FIXTURE

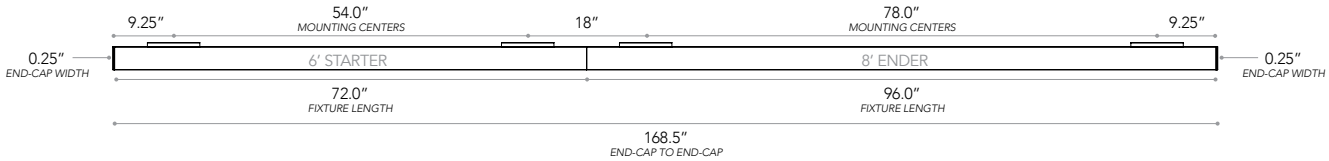


12′ FIXTURE

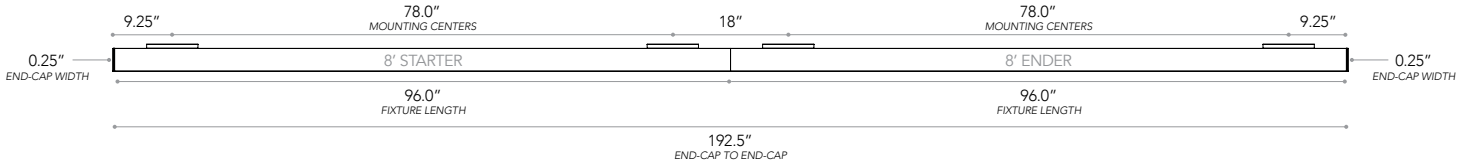


FIXTURE ROW LAYOUT: TWO UNITS 14′ - 16′

14′ FIXTURE

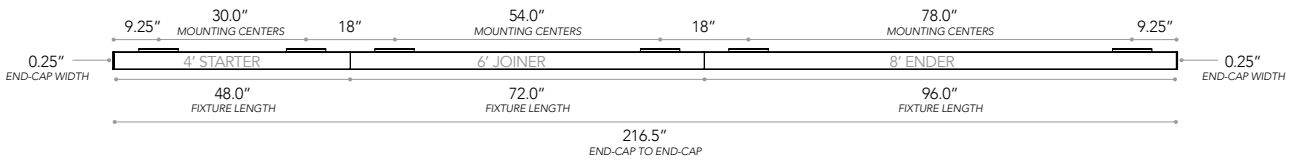


16′ FIXTURE

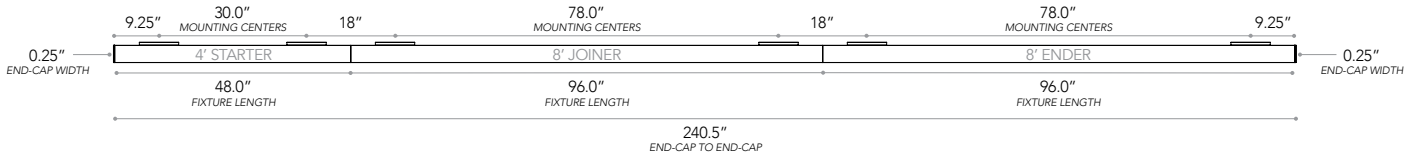


FIXTURE ROW LAYOUT: THREE UNITS 18′ - 20′ - 22′ - 24′

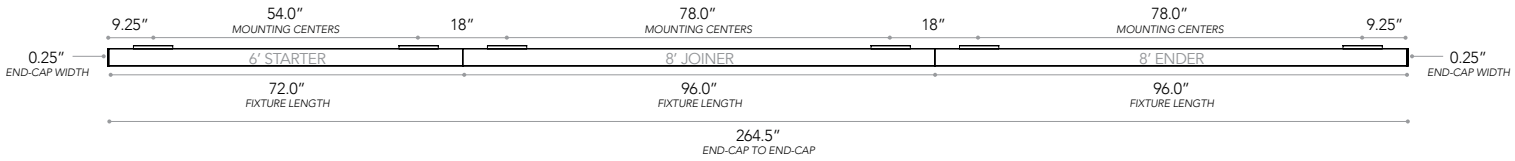
18′ FIXTURE



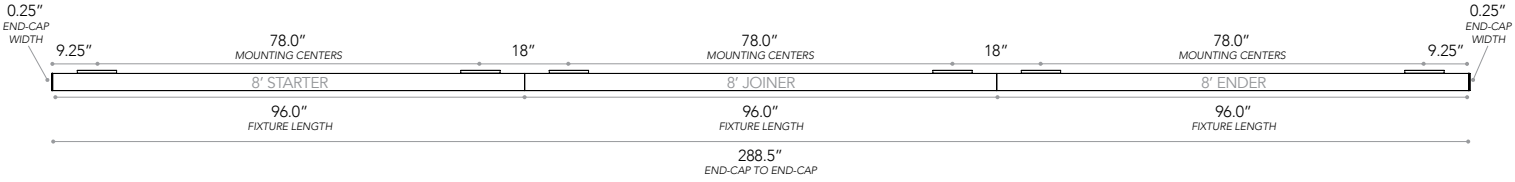
20′ FIXTURE



22′ FIXTURE



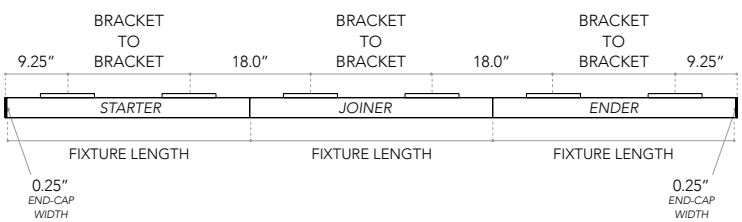
24′ FIXTURE



FIXTURE ROW COMPONENTS

RUN LENGTH	FIXTURE LENGTHS									JOINER KITS
	STARTER	JOINER							ENDER	
	1	2	3	4	5	6	7	8	9	
13′	5′	-	-	-	-	-	-	-	8′	1
14′	6′	-	-	-	-	-	-	-	8′	1
15′	7′	-	-	-	-	-	-	-	8′	1
16′	8′	-	-	-	-	-	-	-	8′	1
17′	3′	6′	-	-	-	-	-	-	8′	2
18′	4′	6′	-	-	-	-	-	-	8′	2
19′	5′	6′	-	-	-	-	-	-	8′	2
20′	4′	8′	-	-	-	-	-	-	8′	2
21′	5′	8′	-	-	-	-	-	-	8′	2
22′	6′	8′	-	-	-	-	-	-	8′	2
23′	7′	8′	-	-	-	-	-	-	8′	2
24′	8′	8′	-	-	-	-	-	-	8′	2
25′	5′	6′	6′	-	-	-	-	-	8′	3
26′	4′	6′	8′	-	-	-	-	-	8′	3
27′	5′	6′	8′	-	-	-	-	-	8′	3
28′	4′	8′	8′	-	-	-	-	-	8′	3
29′	5′	8′	8′	-	-	-	-	-	8′	3
30′	6′	8′	8′	-	-	-	-	-	8′	3
31′	7′	8′	8′	-	-	-	-	-	8′	3
32′	8′	8′	8′	-	-	-	-	-	8′	3
33′	5′	6′	6′	8′	-	-	-	-	8′	4
34′	4′	6′	8′	8′	-	-	-	-	8′	4
35′	5′	6′	8′	8′	-	-	-	-	8′	4
36′	4′	8′	8′	8′	-	-	-	-	8′	4
37′	5′	8′	8′	8′	-	-	-	-	8′	4
38′	6′	8′	8′	8′	-	-	-	-	8′	4
39′	7′	8′	8′	8′	-	-	-	-	8′	4
40′	8′	8′	8′	8′	-	-	-	-	8′	4
41′	5′	6′	6′	8′	8′	-	-	-	8′	5
42′	4′	6′	8′	8′	8′	-	-	-	8′	5
43′	5′	6′	8′	8′	8′	-	-	-	8′	5
44′	4′	8′	8′	8′	8′	-	-	-	8′	5
45′	5′	8′	8′	8′	8′	-	-	-	8′	5
46′	6′	8′	8′	8′	8′	-	-	-	8′	5
47′	7′	8′	8′	8′	8′	-	-	-	8′	5
48′	8′	8′	8′	8′	8′	-	-	-	8′	5
49′	5′	6′	6′	8′	8′	8′	-	-	8′	6
50′	4′	6′	8′	8′	8′	8′	-	-	8′	6
51′	5′	6′	8′	8′	8′	8′	-	-	8′	6
52′	4′	8′	8′	8′	8′	8′	-	-	8′	6
53′	5′	8′	8′	8′	8′	8′	-	-	8′	6
54′	6′	8′	8′	8′	8′	8′	-	-	8′	6
55′	7′	8′	8′	8′	8′	8′	-	-	8′	6
56′	8′	8′	8′	8′	8′	8′	-	-	8′	6
57′	5′	6′	6′	8′	8′	8′	8′	-	8′	7
58′	4′	6′	8′	8′	8′	8′	8′	-	8′	7
59′	5′	6′	8′	8′	8′	8′	8′	-	8′	7
60′	4′	8′	8′	8′	8′	8′	8′	-	8′	7
61′	5′	8′	8′	8′	8′	8′	8′	-	8′	7
62′	6′	8′	8′	8′	8′	8′	8′	-	8′	7
63′	7′	8′	8′	8′	8′	8′	8′	-	8′	7
64′	8′	8′	8′	8′	8′	8′	8′	-	8′	7
65′	5′	6′	6′	8′	8′	8′	8′	8′	8′	8
66′	4′	6′	8′	8′	8′	8′	8′	8′	8′	8
67′	5′	6′	8′	8′	8′	8′	8′	8′	8′	8
68′	4′	8′	8′	8′	8′	8′	8′	8′	8′	8
69′	5′	8′	8′	8′	8′	8′	8′	8′	8′	8
70′	6′	8′	8′	8′	8′	8′	8′	8′	8′	8
71′	7′	8′	8′	8′	8′	8′	8′	8′	8′	8
72′	8′	8′	8′	8′	8′	8′	8′	8′	8′	8

	FIXTURE LENGTH	CENTER-TO-CENTER BRACKET SPACING
3′	36.0″	18.0″
4′	48.0″	30.0″
5′	60.0″	42.0″
6′	72.0″	54.0″
7′	84.0″	66.0″
8′	96.0″	78.0″



Note 1: 2′ fixtures use a single mounting bracket centered on the fixture
Note 2: 10′, 11′, and 12′ fixtures have a third mounting bracket centered on the fixture