AMERICAN LINEAR LIGHTING

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

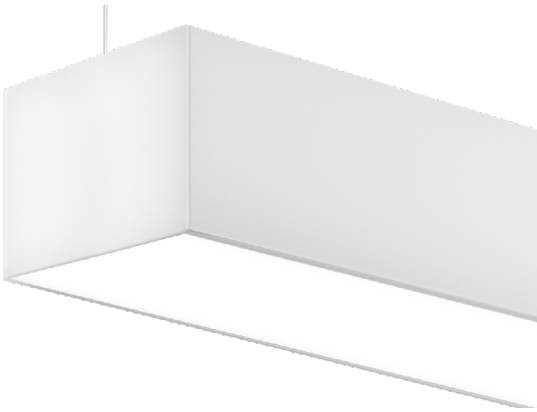
5SID SUSPENDED

INDIRECT / DIRECT

5-INCH FAMILY

DATE | PROJECT

COMMENTS



PRODUCT FEATURES

FIXTURE HOUSING
Width: 5.0" Height: 4.5"

INDIRECT ILLUMINATION
We offer three indirect illumination options: Standard Lambertian can be upgraded to Batwing Up (BW) or Asymmetric Up (AU)

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

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

UP TO 158.5 LUMENS PER WATT

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

ORDERING GUIDE EX: 5SID - 20 - VHU - MD - 35 - UNV - T1 - WH - SS-U/D - EM

SERIES	LENGTH	UPPER OUTPUT	DIRECT OUTPUT	CCT	VOLTAGE	MOUNTING	COLOR
5SID							
	XX FT	**VHU** 1250 LM/FT	**VHD** 1250 LM/FT	**30** 3000K	**UNV** 120-277V	**T1** 1" Grid	**WH** White
	2' Increments EX: 20' = 20	**HU** 1000 LM/FT	**HD** 1000 LM/FT	**35** 3500K	**347**[1] 347V	**T9** 9/16" Grid	**BLK** Black
		MU 750 LM/FT	**MD** 750 LM/FT	**40** 4000K		**SC** Screw Slot	
		LU 500 LM/FT	**LD** 500 LM/FT			**HC** Hard Ceiling	
		VLU 250 LM/FT	**VLD** 250 LM/FT			**JB** Junction Box	
		CU Custom	**CD** Custom				

ORDERING NOTES

1. EM NOT AVAILABLE WITH 347V.
2. EM NOT AVAILABLE WITH 2' AND 4' 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 FT RUN (1 SENSOR IN EACH 8 FT FIXTURE)

OPTIONS

CRI	SUSPENSION	INTEGRATED CONTROLS[3]	OPTICAL	CIRCUITING
BLANK = 80 CRI	**BLANK = 48" CABLE**	**OS** Occupancy Sensor	**BLANK = LAMBERTIAN**	**SS-U/D** Separate Switching UPWARDS/DOWNWARDS
C90 90 CRI	**CB96** 96" Cables	**DOS** Daylight Occupancy Sensor	**BW** Batwing Up	
	CB144 144" Cables		**AU** Asymmetric Up	
	BC Black Canopy & Cord			

FOR INDIVIDUALS	
EM[2]	Emergency Battery
EC	Emergency Circuit

FOR LINEAR RUNS[4, 5]			
EM			
EMERGENCY BATTERY PACK	QUANTITY PER RUN[4]	POSITION IN RUN[5]	
EC			
EMERGENCY CIRCUIT	QUANTITY PER RUN[4]	POSITION IN RUN[5]	

EMERGENCY OPTION NOTES

4. EM AND EC QUANTITY IS NOT TO EXCEED NUMBER OF DISCRETE FIXTURE SECTIONS IN A ROW.
5. 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: 5SID-20-HU-HD-35-UNV-T1-WH-EM2SJ

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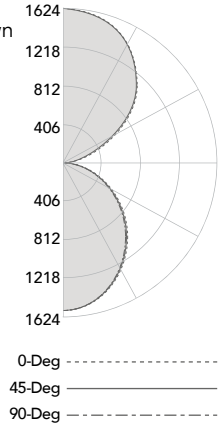
Rev 23 August 2023

PHOTOMETRICS

5SID-04-HU-HD-35-UNV-XX-X

Total Lumens: 8,357
Ratio: 50% Up & 50% Down
Wattage: 55.7
Efficacy: 150.0 LM/W
Fixture Length: Four Feet



ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1164.1	13.9
0 - 40	1876.7	22.5
0 - 60	3233.9	38.7
0 - 90	4089.6	48.9
90 - 180	4267.8	51.1
0 - 180	8357.4	100.0

ENERGY CONSUMPTION WATTS PER LINEAR FOOT

INDIRECT (LAMBERTIAN) / DIRECT (LAMBERTIAN) LIGHT

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	16.7	15.2	13.4	11.4	9.7
LM/FT	2496	2296	2032	1777	1523
LM/W	149.9	151.1	152.0	155.7	157.2

	LU-VHD	LU-HD	LU-MD	LU-LD	LU-VLD
W/FT	11.9	10.5	8.6	6.7	5.0
LM/FT	1741	1542	1277	1022	769
LM/W	146.2	147.4	148.1	153.1	155.3

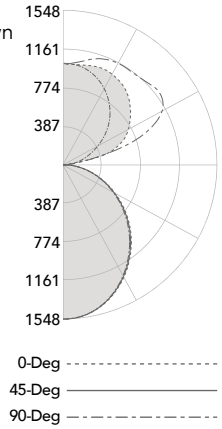
	HU-VHD	HU-HD	HU-MD	HU-LD	HU-VLD
W/FT	15.4	13.9	12.1	10.2	8.4
LM/FT	2289	2089	1825	1569	1316
LM/W	148.7	149.9	150.7	154.6	156.1

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	10.3	8.8	7.0	5.0	3.3
LM/FT	1471	1272	1007	752	499
LM/W	143.3	144.3	144.3	149.5	150.8

	MU-VHD	MU-HD	MU-MD	MU-LD	MU-VLD
W/FT	13.5	12.0	10.2	8.2	6.5
LM/FT	2004	1805	1540	1285	1032
LM/W	148.8	150.2	151.2	156.1	158.5

5SID-04-HU-HD-35-UNV-XX-X-BW

Total Lumens: 8,141
Ratio: 50% Up & 50% Down
Wattage: 55.7
Efficacy: 146.0 LM/W
Fixture Length: Four Feet



ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1164.1	14.3
0 - 40	1876.7	23.1
0 - 60	3233.9	39.7
0 - 90	4089.6	50.2
90 - 180	4051.3	49.8
0 - 180	8140.9	100.0

INDIRECT (BATWING) / DIRECT (LAMBERTIAN) LIGHT

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	16.7	15.2	13.4	11.4	9.7
LM/FT	2438	2238	1974	1719	1465
LM/W	146.4	147.3	147.7	150.6	151.2

	LU-VHD	LU-HD	LU-MD	LU-LD	LU-VLD
W/FT	11.9	10.5	8.6	6.7	5.0
LM/FT	1718	1518	1254	998	745
LM/W	144.2	145.2	145.4	149.6	150.5

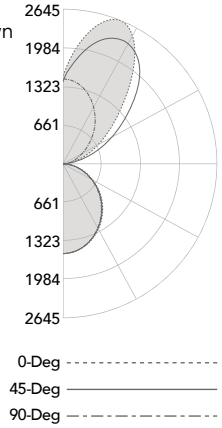
	HU-VHD	HU-HD	HU-MD	HU-LD	HU-VLD
W/FT	15.4	13.9	12.1	10.2	8.4
LM/FT	2235	2035	1771	1515	1262
LM/W	145.2	146.0	146.3	149.3	149.7

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	10.3	8.8	7.0	5.0	3.3
LM/FT	1460	1260	996	741	487
LM/W	142.2	143.0	142.7	147.3	147.4

	MU-VHD	MU-HD	MU-MD	MU-LD	MU-VLD
W/FT	13.5	12.0	10.2	8.2	6.5
LM/FT	1969	1769	1505	1249	996
LM/W	146.1	147.2	147.7	151.7	153.0

5SID-04-HU-HD-35-UNV-XX-X-AU

Total Lumens: 8,177
Ratio: 50% Up & 50% Down
Wattage: 55.7
Efficacy: 146.7 LM/W
Fixture Length: Four Feet



ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1164.1	14.2
0 - 40	1876.7	23.0
0 - 60	3233.9	39.5
0 - 90	4089.6	50.0
90 - 180	4087.2	50.0
0 - 180	8176.8	100.0

INDIRECT (ASYMMETRIC) / DIRECT (LAMBERTIAN) LIGHT

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	16.7	15.2	13.4	11.4	9.7
LM/FT	2448	2249	1985	1729	1476
LM/W	147.0	148.0	148.5	151.5	152.3

	LU-VHD	LU-HD	LU-MD	LU-LD	LU-VLD
W/FT	11.9	10.5	8.6	6.7	5.0
LM/FT	1716	1517	1252	997	744
LM/W	144.1	145.0	145.2	149.4	150.2

	HU-VHD	HU-HD	HU-MD	HU-LD	HU-VLD
W/FT	15.4	13.9	12.1	10.2	8.4
LM/FT	2244	2044	1780	1524	1271
LM/W	145.8	146.7	147.0	150.1	150.8

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	10.3	8.8	7.0	5.0	3.3
LM/FT	1465	1265	1001	745	492
LM/W	142.7	143.6	143.4	148.2	148.8

	MU-VHD	MU-HD	MU-MD	MU-LD	MU-VLD
W/FT	13.5	12.0	10.2	8.2	6.5
LM/FT	1974	1775	1511	1255	1002
LM/W	146.6	147.7	148.3	152.4	153.9

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OPERATION

Light Engine:
The 5SID is available in 3000K, 3500K and 4000K CCT all within a 3-Step MacAdam Ellipse and has a standard CRI of 80+. Optional 90+ CRI available.

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.

Indirect Optics:
Standard Lambertian can be upgraded to indirect batwing (BW) or Asymmetric (AU). The extruded acrylic batwing lens (BW) provides an ultra-wide distribution with even illumination across the ceiling while allowing for maximum spacing between fixtures. The Asymmetric (AU) diffused forward-throw optics properly illuminates the wall and protects LED's from dust and debris.

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 5SID comes standard with 0-10V dimming down to 1%.

Emergency Battery Pack:
Emergency Battery Pack has been engineered to exceed UL minimum safety standards. 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 with 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 six-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, two extended biscuits provide additional strength and a light shield, while two vertical draw-screws secures housing-to-housing attachment.

Lengths:
The 5SID is available in a minimum 2-foot (nominal) length with additional 2-foot increments available. Longer fixture rows are available and will be configured per ALL factory specifications; typical rows are configured with 4-foot, 6-foot and 8-foot fixtures. Max run length on one power feed is 72'. Continuous runs over 72' will require 2 power feeds.

Mounting Method/Hardware:
Standard hanging hardware includes 1/16" diameter, galvanized steel aircraft cable with adjustable and lockable nickel-plated cable grippers and a white 18/5 S.J.T. power cord. The standard hardware includes a 60" power cord and 54" aircraft cables to accommodate a 48" mounting distance from the ceiling. Ceiling canopy provided. All suspension hardware is tested and listed to UL1598 requirements for loading/fixture support.

Exterior Finish:
The 5SID is available in White and Black polyester powder coat finish to ensure durability.

Suspension Components:
Fixtures are suspended by 1/16" galvanized aircraft cable. Cables are attached to the ceiling suspension point with a ¼-20 threaded ceiling cable barrel that incorporates a threaded ring to support the feed/hanger canopy allowing access to the J-box/hanger without removal of the suspension cable allowing conductor inspection/service without having to support the fixture(s). Feed canopies are 5" O.D. and hanger canopies are 2" O.D. Cable lengths can be specified for 48", 96" and 144" suspension lengths. Ceiling type options are "T1" T-Grid, "T9" T-Grid, "SC" screw slot grid, "HC" hard ceiling or "JB" hard ceiling J-box mount.

Integrated Controls:
The 5SID is available with optional integrated controls. Sensors are conveniently designed to mount in aperture. For individual fixtures, the sensor is located at the power feed end. For runs, each Starter, Joiner and Ender fixture will be supplied with a discrete sensor that will control that specific fixture within the run.

GENERAL

Warranty:
Ten (10) Year limited warranty from date of shipment.

Lumen Maintenance:
Rated for 85% initial lumen output at 75,000 Hours of operation, operated at 25°C ambient temperature; per TM-21 Guidelines published by the Illuminating Engineering Society (IES).

Certification:
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 orders up to 1,000 Linear Feet.
4-Week lead time for orders with a Black finish.
Lead time for orders greater than 1,000' will be determined at time of order.

Manufactured in the USA:
All ALL Luminaires and Components (except LED boards, drivers, and end caps) are proudly manufactured and assembled in the USA.

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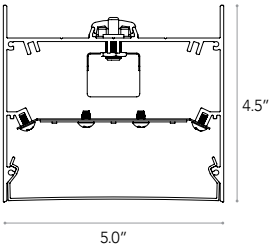
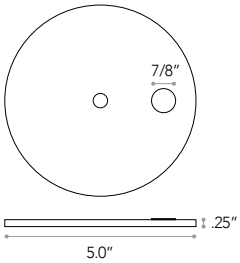
MOUNTING DETAILS

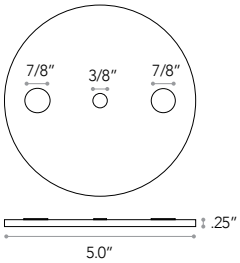
SECTION



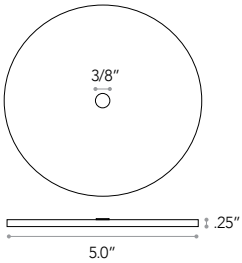
SINGLE FEED CANOPY



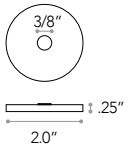
DUAL FEED CANOPY



JB HANGER CANOPY

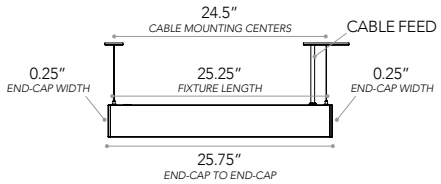


HANGER CANOPY

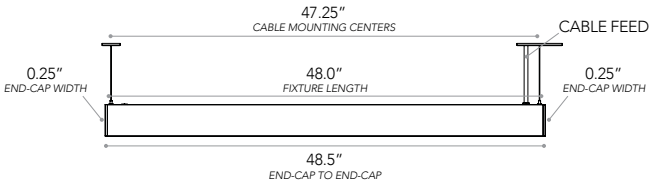


FIXTURE ROW LAYOUT: SINGLE UNIT 2′ - 4′ - 6′ - 8′ - 10′ - 12′

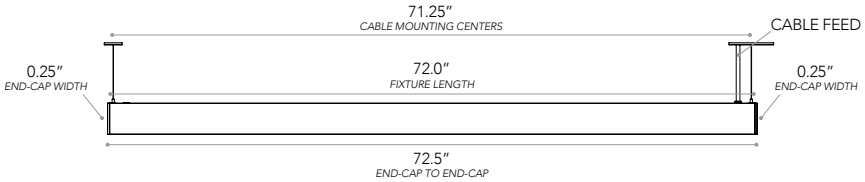
2′ FIXTURE



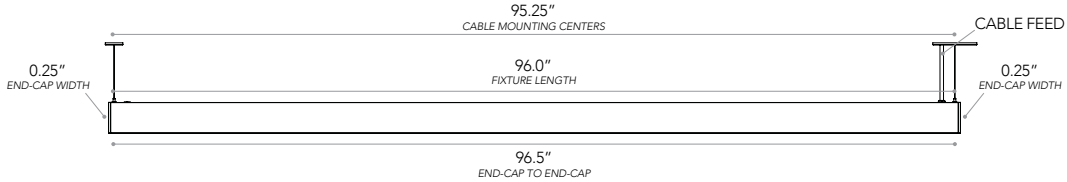
4′ FIXTURE



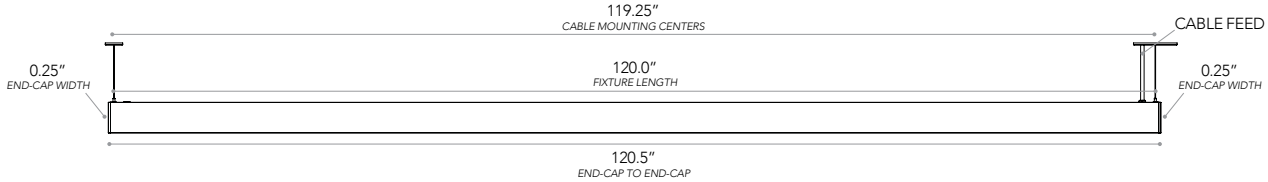
6′ FIXTURE



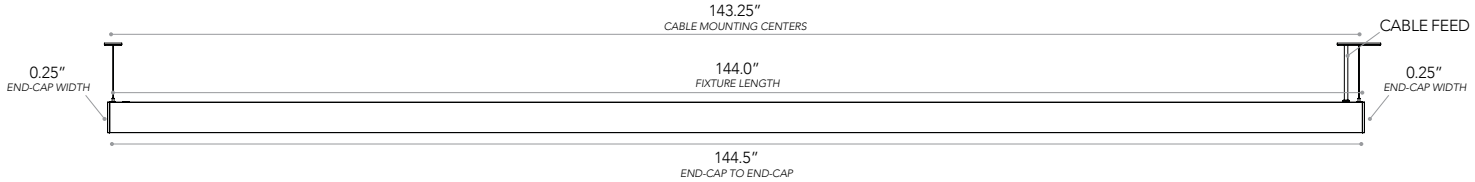
8′ FIXTURE



10′ FIXTURE



12′ FIXTURE



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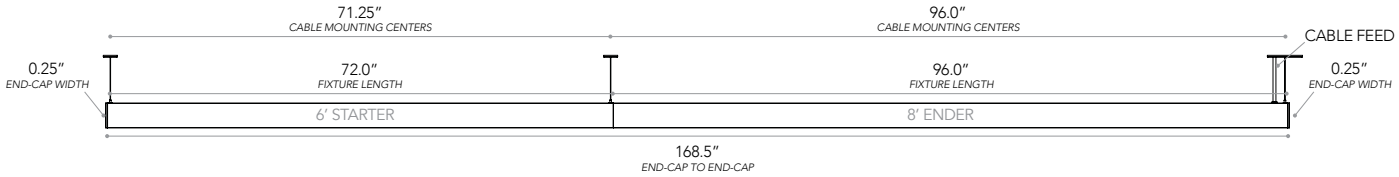
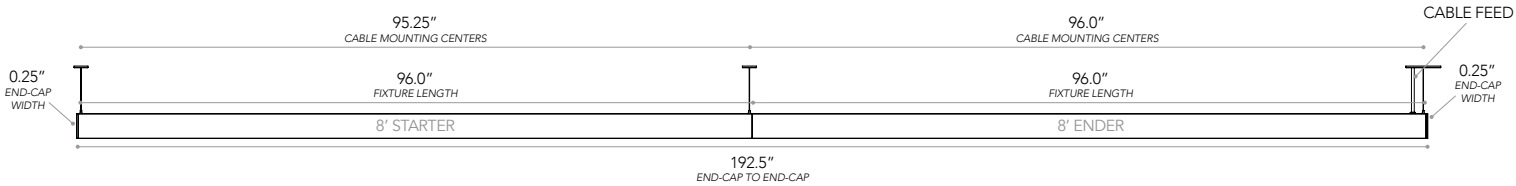
FIXTURE ROW LAYOUT: TWO UNITS 14′ - 16′

14′ FIXTURE

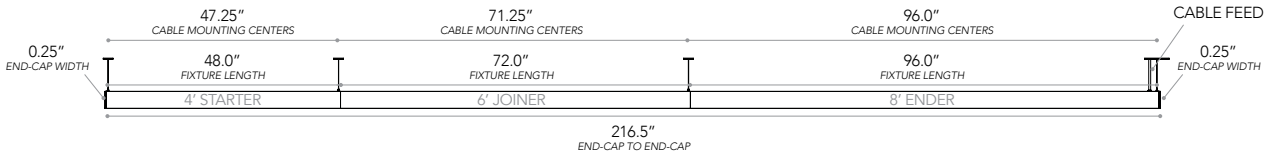


16′ FIXTURE

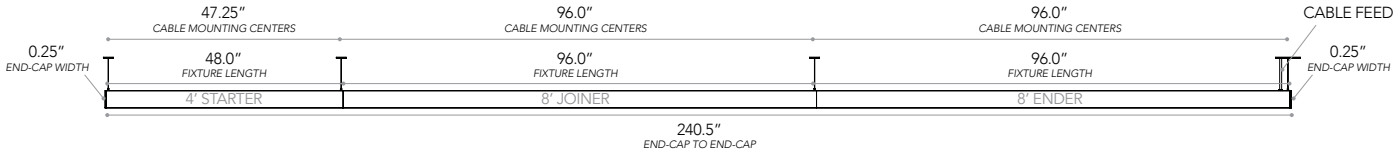


FIXTURE ROW LAYOUT: THREE UNITS 18′ - 20′ - 22′ - 24′

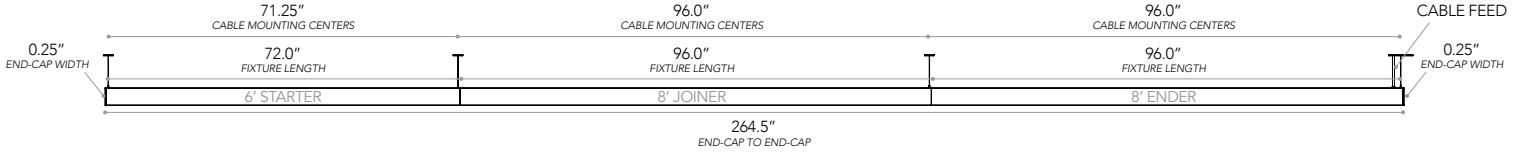
18′ FIXTURE



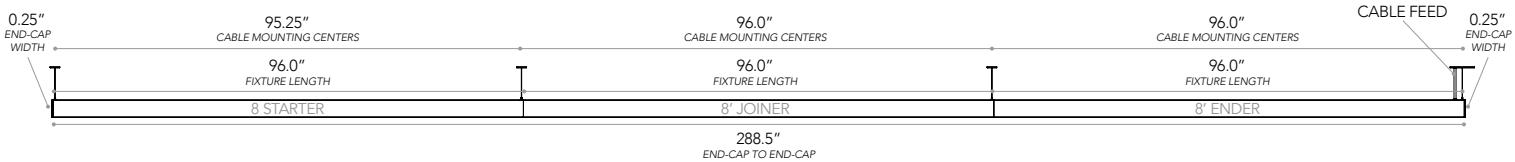
20′ FIXTURE



22′ FIXTURE



24′ FIXTURE



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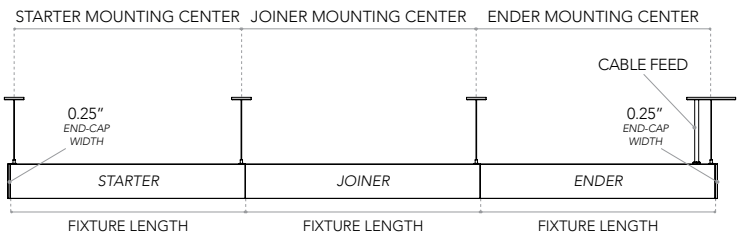
FIXTURE ROW COMPONENTS

RUN LENGTH (FT)	FIXTURE LENGTHS									JOINER KITS	FEED KITS	HANGER KITS	END-CAP TO END-CAP
	STARTER	JOINER							ENDER				
	1	2	3	4	5	6	7	8	9				
14	6'	-	-	-	-	-	-	-	8'	1	1	2	168.5″
16	8'	-	-	-	-	-	-	-	8'	1	1	2	192.5″
18	4'	6'	-	-	-	-	-	-	8'	2	1	3	216.5″
20	4'	8'	-	-	-	-	-	-	8'	2	1	3	240.5″
22	6'	8'	-	-	-	-	-	-	8′	2	1	3	264.5″
24	8′	8'	-	-	-	-	-	-	8'	2	1	3	288.5″
26	4'	6'	8'	-	-	-	-	-	8'	3	1	4	312.5″
28	4'	8'	8'	-	-	-	-	-	8'	3	1	4	336.5″
30	6'	8'	8'	-	-	-	-	-	8'	3	1	4	360.5″
32	8'	8'	8'	-	-	-	-	-	8'	3	1	4	384.5″
34	4'	6'	8'	8'	-	-	-	-	8'	4	1	5	408.5″
36	4'	8'	8'	8'	-	-	-	-	8'	4	1	5	432.5″
38	6'	8'	8'	8'	-	-	-	-	8'	4	1	5	456.5″
40	8'	8'	8'	8'	-	-	-	-	8'	4	1	5	480.5″
42	4'	6'	8'	8'	8'	-	-	-	8'	5	1	6	504.5″
44	4'	8'	8'	8'	8'	-	-	-	8'	5	1	6	528.5″
46	6'	8'	8'	8'	8'	-	-	-	8'	5	1	6	552.5″
48	8'	8'	8'	8'	8'	-	-	-	8'	5	1	6	576.5″
50	4'	6'	8'	8'	8'	8'	-	-	8'	6	1	7	600.5″
52	4'	8'	8'	8'	8'	8'	-	-	8'	6	1	7	624.5″
54	6'	8'	8'	8'	8'	8'	-	-	8'	6	1	7	648.5″
56	8'	8'	8'	8'	8'	8'	-	-	8'	6	1	7	672.5″
58	4'	6'	8'	8'	8'	8'	8'	-	8'	7	1	8	696.5″
60	4'	8'	8'	8'	8'	8'	8'	-	8'	7	1	8	720.5″
62	6'	8'	8'	8'	8'	8'	8'	-	8'	7	1	8	744.5″
64	8'	8′	8'	8'	8'	8'	8'	-	8'	7	1	8	768.5″
66	4'	6'	8'	8'	8'	8'	8'	8'	8'	8	1	9	792.5″
68	4'	8'	8'	8'	8'	8'	8'	8'	8'	8	1	9	816.5″
70	6'	8'	8'	8'	8'	8'	8'	8'	8'	8	1	9	840.5″
72	8'	8'	8'	8'	8'	8'	8'	8'	8'	8	1	9	864.5″

	FIXTURE LENGTH	MOUNTING CENTERS	
	STARTER	STARTER	JOINER / ENDER
4′	48.0″	47.25″	-
6′	72.0″	71.25″	72.0″
8′	96.0″	95.25″	96.0″



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