

DATE

PROJECT

COMMENTS



PRODUCT FEATURES

FIXTURE HOUSING

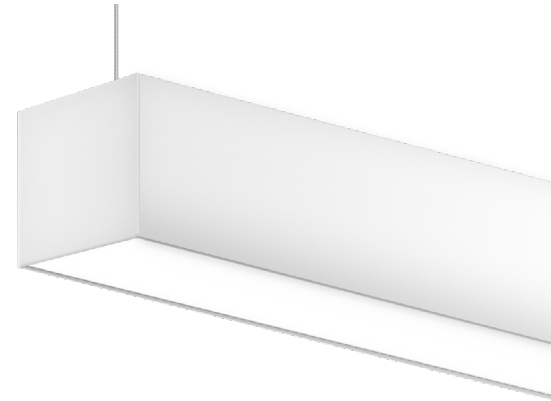
Width: 3.0" Height: 3.5"

ONE-PIECE EXTRUDED ALUMINUM HOUSING

Housing ensures straighter rows and consistent lens retention

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

UP TO 127.2 LUMENS PER WATT



ORDERING GUIDE EX: 3S - 20 - HD - 30 - UNV - T1 - WH - EM

SERIES	LENGTH	OUTPUT	CCT	VOLTAGE	MOUNTING	FINISH
3S	XX FT	VHD 1250 LM/FT	30 3000K	UNV 120-277V	T1 1" T Grid	WH White
	2' Increments Ex: 20' = 20	HD 1000 LM/FT	35 3500K	347 ¹ 347V	T9 9/16" T Grid	BLK Black
		MD 750 LM/FT	40 4000K		SC Screw Slot	
		LD 500 LM/FT			HC Hard Ceiling	
		VLD 250 LM/FT			JB Junction Box	
		CD Custom				

ORDERING NOTES

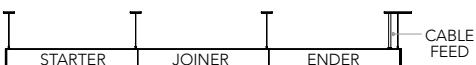
- EM NOT AVAILABLE WITH 347V.
- EM NOT AVAILABLE WITH 2' FIXTURES.
- FOR INDIVIDUAL FIXTURES, SENSOR LOCATED AT POWER FEED END. FOR RUNS, A SENSOR IS INSTALLED INTO EACH FIXTURE IN RUN, EX. 2 SENSORS ARE INSTALLED IN A 16 FT RUN (1 SENSOR IN EACH 8 FT FIXTURE)

OPTIONS

CRI	SUSPENSION	INTEGRATED CONTROLS ³	OPTICAL	FOR INDIVIDUALS	FOR LINEAR RUNS ^{5, 6}
BLANK = 80 CRI	BLANK = 48" CABLE	OS Occupancy Sensor	BLANK = LAMBERTIAN	EM ² Emergency Battery	EM EMERGENCY BATTERY PACK
C90 90 CRI	CB96 96" Cables	DOS Daylight Occupancy Sensor	WW ⁴ Wall Wash, Direct	EC Emergency Circuit	EC EMERGENCY CIRCUIT
	CB144 144" Cables				QUANTITY PER RUN ⁵
	BC Black Canopy & Cord				POSITION IN RUN ⁶

EMERGENCY OPTION NOTES

- INTEGRATED CONTROLS NOT AVAILABLE WITH WALL WASH.
- EM AND EC QUANTITY IS NOT TO EXCEED NUMBER OF DISCRETE FIXTURE SECTIONS IN A ROW.
- 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: 3S-20-HD-35-UNV-T1-WH-EM2SJ



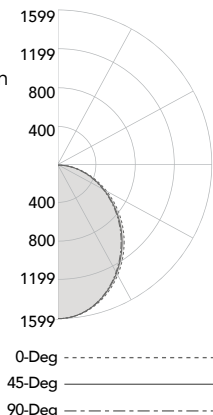
PHOTOMETRICS

3S-04-HD-35-UNV-XX-X

Total Lumens: 4,130
Ratio: 0% Up & 100% Down
Wattage: 32.9
Efficacy: 125.3 LM/W
Fixture Length: Four Feet

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1192.7	28.9
0 - 40	1913.9	46.3
0 - 60	3270.4	79.2
0 - 90	4128.8	100.0
90 - 180	1.13	0.0
0 - 180	4129.9	100.0

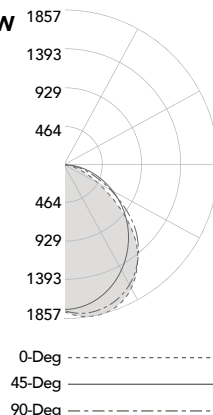


3S-04-HD-35-UNV-XX-X-WW

Total Lumens: 4,056
Ratio: 0% Up & 100% Down
Wattage: 32.9
Efficacy: 123.1 LM/W
Fixture Length: Four Feet

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1302.5	32.1
0 - 40	2069.1	51.0
0 - 60	3395.8	83.7
0 - 90	4055.8	100.0
90 - 180	0.23	0.0
0 - 180	4056.0	100.0



OPERATION

Light Engine:

The 3S 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.

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:

Asymmetric extruded aluminum reflector with recessed extruded acrylic lens to achieve a superior wall uniformity while minimizing glare.

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 3S 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.

GENERAL

Warranty:

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

Lumen Maintenance:

Rated for 85% initial lumen output at 85,000 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.

ENERGY CONSUMPTION

WATTS PER LINEAR FOOT

DIRECT (LAMBERTIAN) LIGHT

	VHD	HD	MD	LD	VLD
W/FT	10.0	8.2	6.5	4.0	2.1
LM/FT	1210	1014	761	509	246
LM/W	120.9	123.1	117.4	127.2	119.3

DIRECT (WALL WASH) LIGHT

	VHD	HD	MD	LD	VLD
W/FT	10.0	8.2	6.5	4.0	2.1
LM/FT	1210	1014	761	509	246
LM/W	120.9	123.1	117.4	127.2	119.3

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 3S 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:

The 3S is available for mounting upon any ceiling type, additional mounting hardware available by others.

Exterior Finish:

The 3S 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 3S 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.

Shipping:

2-Week lead time for orders up to 1000 Linear Feet.

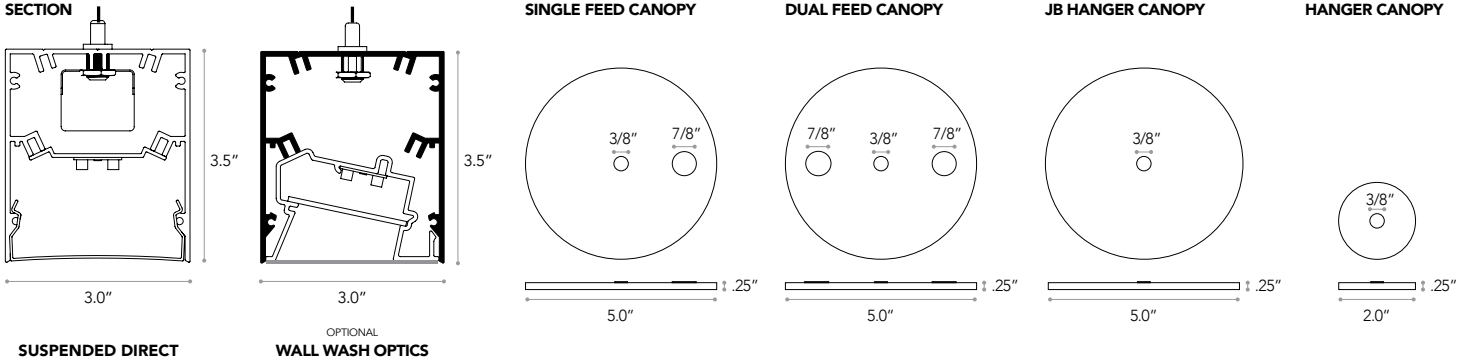
4-Week lead time for orders with a Black finish.

Lead time for orders greater than 1,000' will be determined at time of order.

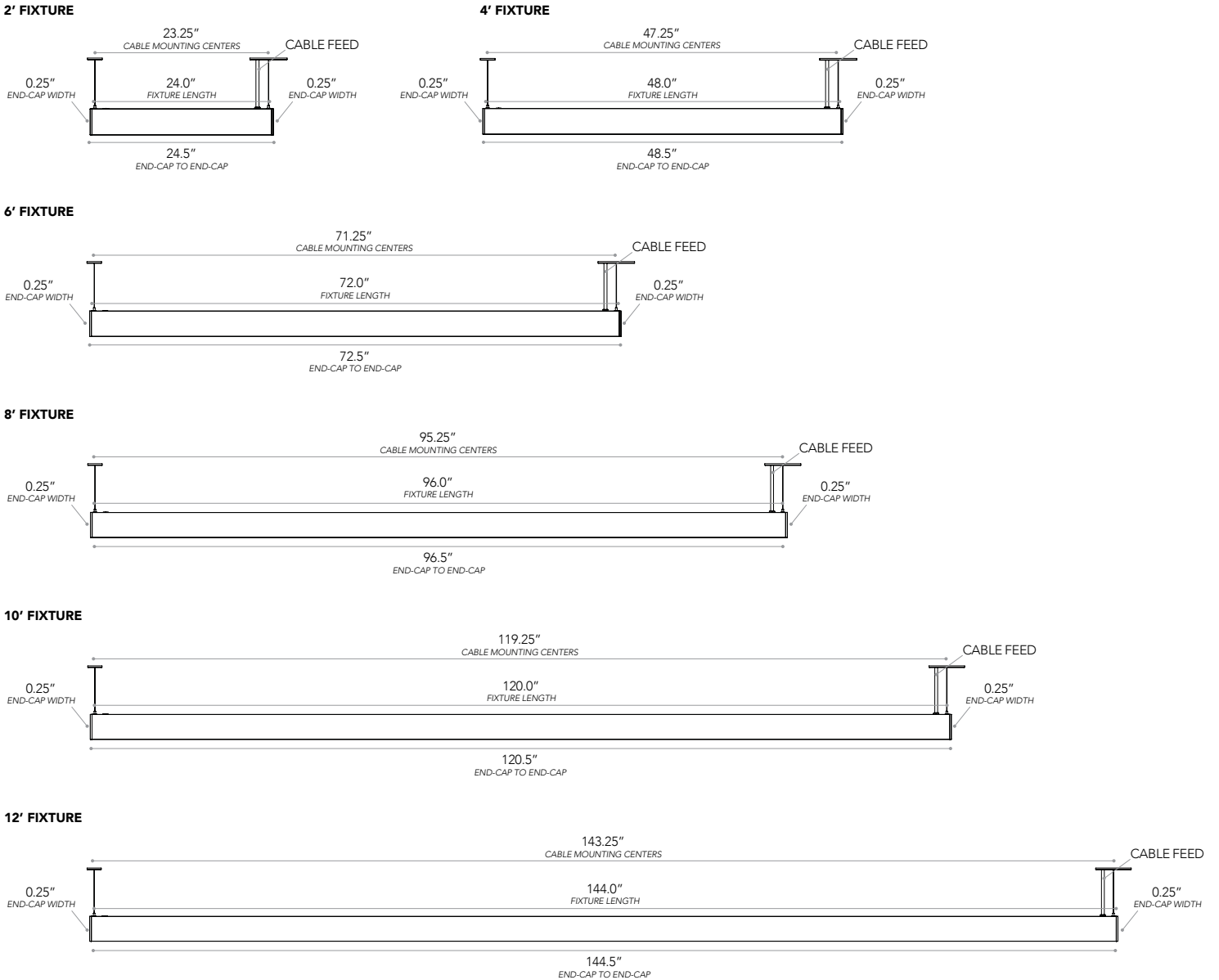
Manufactured in the USA:

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

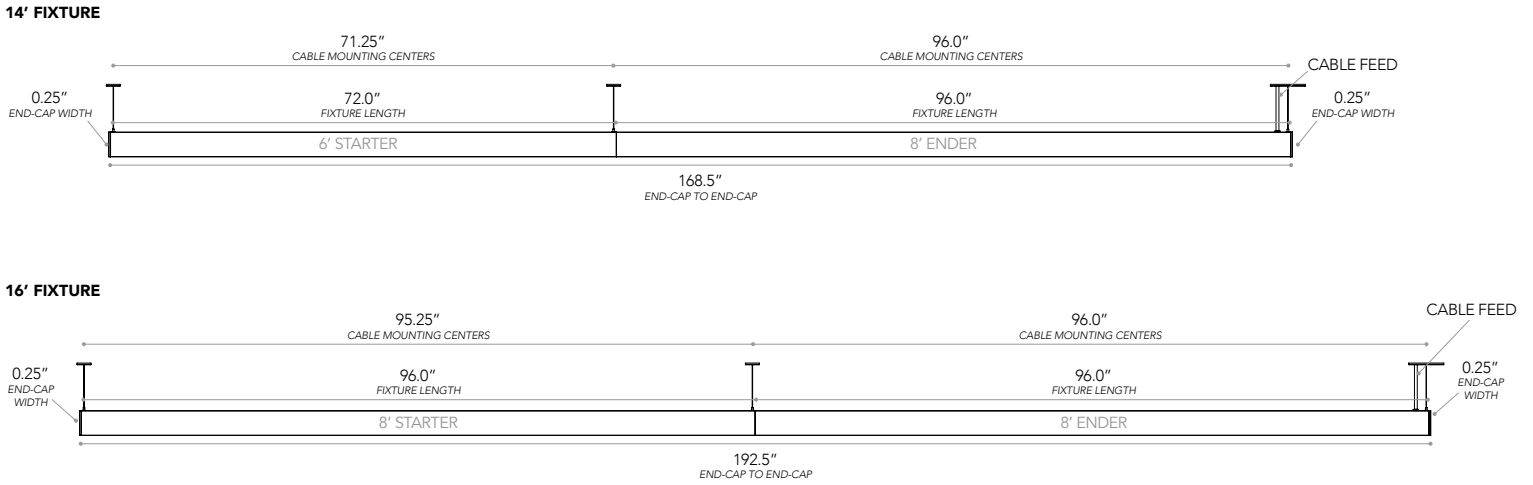
MOUNTING DETAILS



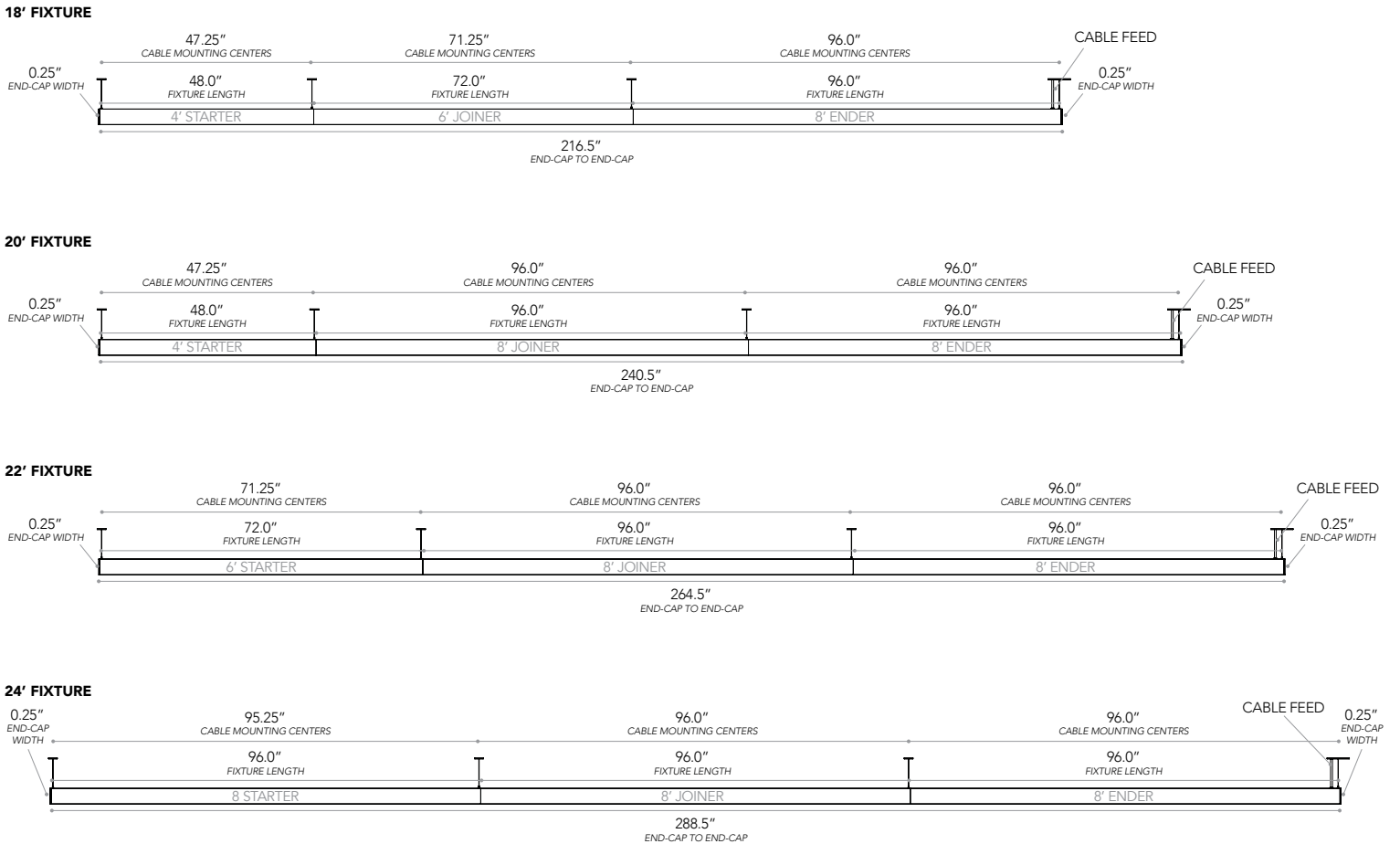
FIXTURE ROW LAYOUT: SINGLE UNIT 2' - 4' - 6' - 8' - 10' - 12'



FIXTURE ROW LAYOUT: TWO UNITS 14' - 16'



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



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"

