



PRODUCT FEATURES

COMPACT FIXTURE HOUSING

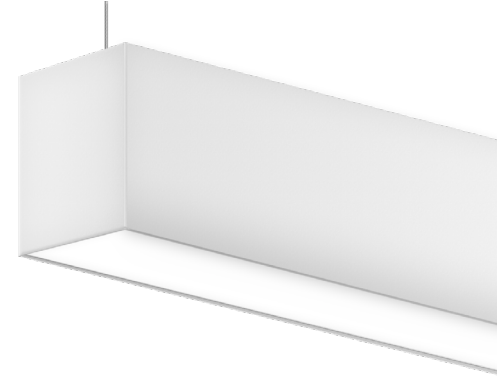
Width: 3.0" Height: 4.0" One-Piece Extruded Housing Ensures Straighter Rows and Consistent Lens Retention.

INDIRECT ILLUMINATION

We offer two indirect illumination options: standard lambertian optics can now be upgraded with a batwing optic to provide an even illumination across a ceiling.

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

UP TO 153.5 LUMENS PER WATT



ORDERING GUIDE EX: 3SID - 06 - VHU - MD - 35 - UNV - T1 - WH - SS-U/D - EM

SERIES	LENGTH	UPPER OUTPUT	LOWER OUTPUT	CCT	VOLTAGE	MOUNTING	COLOR
3SID	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	347¹ 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

- EM NOT AVAILABLE WITH 347V.
- EM NOT AVAILABLE WITH 2' AND 4' FIXTURES.

OPTIONS

CRI	SUSPENSION	INTEGRATED CONTROLS	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	WW Wall Wash	
	CB144 144" Cables		BW Upper Batwing	
	BC Black Canopy & Cord		AU Asymmetric Up	

FOR INDIVIDUALS	FOR LINEAR RUNS
EM² Emergency Battery	EM
EC Emergency Circuit	EC

EMERGENCY OPTION NOTES

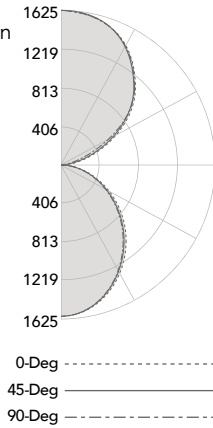
- EM AND EC QUANTITY IS NOT TO EXCEED NUMBER OF DISCRETE FIXTURE SECTIONS IN A ROW.
- EM AND EC POSITION REFERS TO WHICH FIXTURE IN THE RUN THAT WILL BE POWERED BY THE EM/EC CIRCUIT. POSITION OPTIONS: **S**=STARTER, **J**=JOINER, **E**=ENDER
EX: 3SID-24-HU-HD-35-UNV-T1-WH-EM2SJ



PHOTOMETRICS

3SID-04-HU-HD-35-UNV-XX-X

Total Lumens: 8,400
Ratio: 50% Up & 50% Down
Wattage: 59.2
Efficacy: 140.6 LM/W
Fixture Length: Four Feet

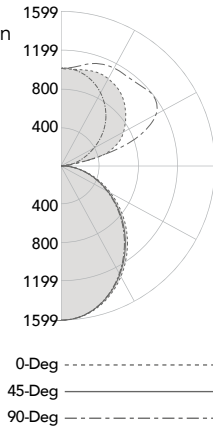


ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1192.7	14.2
0 - 40	1913.9	22.8
0 - 60	3270.4	38.9
0 - 90	4128.8	49.2
90 - 180	4271.6	50.8
0 - 180	8400.4	100.0

3SID-04-HU-HD-35-UNV-XX-X-BW

Total Lumens: 8,181
Ratio: 50% Up & 50% Down
Wattage: 59.2
Efficacy: 136.9 LM/W
Fixture Length: Four Feet

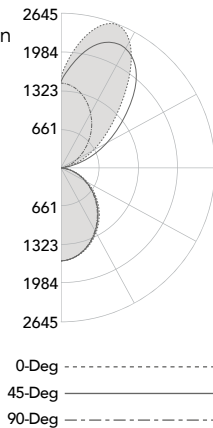


ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1245.1	15.2
0 - 40	1982.2	24.2
0 - 60	3339.1	40.7
0 - 90	4147.4	50.6
90 - 180	4051.5	49.4
0 - 180	8198.8	100.0

3SID-04-HU-HD-35-UNV-XX-X-AU

Total Lumens: 8,235
Ratio: 50% Up & 50% Down
Wattage: 59.2
Efficacy: 137.5 LM/W
Fixture Length: Four Feet



ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1192.7	14.5
0 - 40	1913.9	23.3
0 - 60	3270.4	39.8
0 - 90	4128.9	50.3
90 - 180	4087.7	49.7
0 - 180	8216.6	100.0

ENERGY CONSUMPTION WATTS PER LINEAR FOOT

LAMBERTIAN UP / SYMMETRICAL DOWN LIGHT

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	17.8	16.1	14.2	11.9	10.0
LM/FT	2496	2306	2034	1792	1529
LM/W	140.3	143.3	143.1	151.1	153.5

	LU-VHD	LU-HD	LU-MD	LU-LD	LU-VLD
W/FT	13.0	11.4	9.5	7.1	5.2
LM/FT	1741	1551	1280	1037	774
LM/W	133.5	136.6	135.0	145.7	148.3

	HU-VHD	HU-HD	HU-MD	HU-LD	HU-VLD
W/FT	16.5	14.8	13.0	10.6	8.7
LM/FT	2288	2099	1827	1585	1322
LM/W	138.5	141.5	141.0	149.5	151.9

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	11.4	9.7	7.8	5.5	3.6
LM/FT	1471	1281	1010	767	504
LM/W	129.0	132.0	128.8	140.1	141.1

	MU-VHD	MU-HD	MU-MD	MU-LD	MU-VLD
W/FT	14.6	12.9	11.0	8.7	6.8
LM/FT	2004	1814	1543	1300	1037
LM/W	137.2	140.5	139.7	149.8	153.0

BATWING UP / SYMMETRICAL DOWN LIGHT

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	17.8	16.1	14.2	11.9	10.0
LM/FT	2438	2248	1976	1734	1471
LM/W	137.1	139.7	139.0	146.2	147.7

	LU-VHD	LU-HD	LU-MD	LU-LD	LU-VLD
W/FT	13.0	11.4	9.5	7.1	5.2
LM/FT	1717	1528	1256	1014	751
LM/W	131.7	134.5	132.5	142.4	143.8

	HU-VHD	HU-HD	HU-MD	HU-LD	HU-VLD
W/FT	16.5	14.8	12.9	10.6	8.7
LM/FT	2234	2045	1773	1531	1268
LM/W	135.5	138.2	137.2	144.9	146.3

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	11.4	9.7	7.8	5.5	3.6
LM/FT	1460	1270	998	756	493
LM/W	128.0	130.8	127.4	138.1	137.9

	MU-VHD	MU-HD	MU-MD	MU-LD	MU-VLD
W/FT	14.6	12.9	11.0	8.7	6.8
LM/FT	1968	1779	1507	1265	1002
LM/W	134.8	137.7	136.5	145.7	147.7

ASYMMETRICAL UP / SYMMETRICAL DOWN LIGHT

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	17.8	16.1	14.2	11.9	10.0
LM/FT	2448	2259	1987	1744	1482
LM/W	137.7	140.3	139.7	147.1	148.8

	LU-VHD	LU-HD	LU-MD	LU-LD	LU-VLD
W/FT	13.0	11.4	9.5	7.1	5.2
LM/FT	1716	1526	1254	1012	749
LM/W	131.5	134.4	132.3	142.2	143.5

	HU-VHD	HU-HD	HU-MD	HU-LD	HU-VLD
W/FT	16.5	14.8	12.9	10.6	8.7
LM/FT	2243	2054	1782	1540	1277
LM/W	136.1	138.8	137.9	145.7	147.3

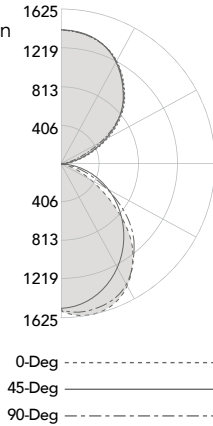
	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	11.4	9.7	7.8	5.5	3.6
LM/FT	1464	1275	1003	761	498
LM/W	128.5	131.3	128.0	138.9	139.2

	MU-VHD	MU-HD	MU-MD	MU-LD	MU-VLD
W/FT	14.6	12.9	11.0	8.7	6.8
LM/FT	1974	1785	1513	1270	1008
LM/W	135.2	138.2	137.0	146.4	148.6

PHOTOMETRICS

3SID-04-HU-HD-35-UNV-XX-X-WW

Total Lumens: 8,327
Ratio: 50% Up & 50% Down
Wattage: 59.2
Efficacy: 141.5 LM/W
Fixture Length: Four Feet

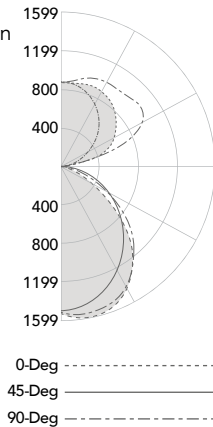


ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1302.5	15.6
0 - 40	2069.1	24.8
0 - 60	3395.8	40.8
0 - 90	4055.8	48.7
90 - 180	4270.7	51.3
0 - 180	8326.6	100.0

3SID-04-HU-HD-35-UNV-XX-X-WW-BW

Total Lumens: 8,107
Ratio: 50% Up & 50% Down
Wattage: 59.2
Efficacy: 138.2 LM/W
Fixture Length: Four Feet

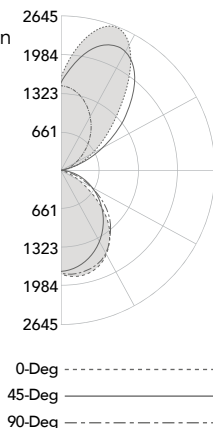


ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1302.5	16.1
0 - 40	2069.1	25.5
0 - 60	3395.8	41.9
0 - 90	4055.8	50.0
90 - 180	4050.9	50.0
0 - 180	8106.7	100.0

3SID-04-HU-HD-35-UNV-XX-X-WW-AU

Total Lumens: 8,143
Ratio: 50% Up & 50% Down
Wattage: 59.2
Efficacy: 138.8 LM/W
Fixture Length: Four Feet



ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1302.5	16.0
0 - 40	2069.1	25.4
0 - 60	3395.8	41.7
0 - 90	4055.8	49.8
90 - 180	4086.9	50.2
0 - 180	8142.7	100.0

ENERGY CONSUMPTION WATTS PER LINEAR FOOT

LAMBERTIAN UP / WALL WASH DOWN LIGHT

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	17.8	16.1	14.2	11.9	10.0
LM/FT	2484	2288	2035	1783	1520
LM/W	139.7	142.2	143.1	150.3	152.6

	HU-VHD	HU-HD	HU-MD	HU-LD	HU-VLD
W/FT	16.5	14.8	12.9	10.6	8.7
LM/FT	2277	2081	1828	1576	1313
LM/W	138.1	140.6	141.4	149.1	151.5

	MU-VHD	MU-HD	MU-MD	MU-LD	MU-VLD
W/FT	14.6	12.9	11.0	8.7	6.8
LM/FT	1992	1796	1543	1291	1028
LM/W	136.4	139.1	139.8	148.7	151.7

	LU-VHD	LU-HD	LU-MD	LU-LD	LU-VLD
W/FT	13.0	11.4	9.5	7.1	5.2
LM/FT	1729	1533	1280	1028	765
LM/W	132.6	135.0	135.1	144.4	146.6

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	11.4	9.7	7.8	5.5	3.6
LM/FT	1459	1263	1010	758	495
LM/W	128.0	130.1	128.9	138.5	138.5

BATWING UP / WALL WASH DOWN LIGHT

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	17.8	16.1	14.2	11.9	10.0
LM/FT	2426	2230	1977	1725	1462
LM/W	136.4	138.6	139.0	145.4	146.8

	HU-VHD	HU-HD	HU-MD	HU-LD	HU-VLD
W/FT	16.5	14.8	12.9	10.6	8.7
LM/FT	2223	2027	1774	1522	1259
LM/W	134.8	136.9	137.2	144.0	145.3

	MU-VHD	MU-HD	MU-MD	MU-LD	MU-VLD
W/FT	14.6	12.9	11.0	8.7	6.8
LM/FT	1956	1761	1508	1256	993
LM/W	134.0	136.3	136.6	144.6	146.4

	LU-VHD	LU-HD	LU-MD	LU-LD	LU-VLD
W/FT	13.0	11.4	9.5	7.1	5.2
LM/FT	1705	1510	1257	1005	742
LM/W	130.8	132.9	132.6	141.1	142.1

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	11.4	9.7	7.8	5.5	3.6
LM/FT	1448	1252	999	747	484
LM/W	127.0	128.9	127.5	136.4	135.3

ASYMMETRICAL UP / WALL WASH DOWN LIGHT

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	17.8	16.1	14.2	11.9	10.0
LM/FT	2436	2240	1988	1735	1472
LM/W	137.0	139.2	139.8	146.3	147.8

	HU-VHD	HU-HD	HU-MD	HU-LD	HU-VLD
W/FT	16.5	14.8	12.9	10.6	8.7
LM/FT	2232	2036	1783	1531	1268
LM/W	135.3	137.5	137.9	144.9	146.3

	MU-VHD	MU-HD	MU-MD	MU-LD	MU-VLD
W/FT	14.6	12.9	11.0	8.7	6.8
LM/FT	1962	1766	1514	1261	998
LM/W	134.4	136.8	137.1	145.3	147.3

	LU-VHD	LU-HD	LU-MD	LU-LD	LU-VLD
W/FT	13.0	11.4	9.5	7.1	5.2
LM/FT	1704	1508	1255	1003	740
LM/W	130.6	132.8	132.4	140.9	141.8

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
W/FT	11.4	9.7	7.8	5.5	3.6
LM/FT	1453	1257	1004	752	489
LM/W	127.4	129.4	128.1	137.3	136.7

OPERATION

Light Engine:

The 3SID 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 lower surface with minimal 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 3SID comes standard with 0-10V dimming down to 1%.

Emergency Battery Pack:

UL Listed 924 Emergency System 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 88,300 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. All EM Units are UL 924 Listed.

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 seven-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 a vertical draw-screw secures housing-to-housing attachment.

Lengths:

The 3SID 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.O. 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 3SID 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 3SID 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.

Shipping:

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

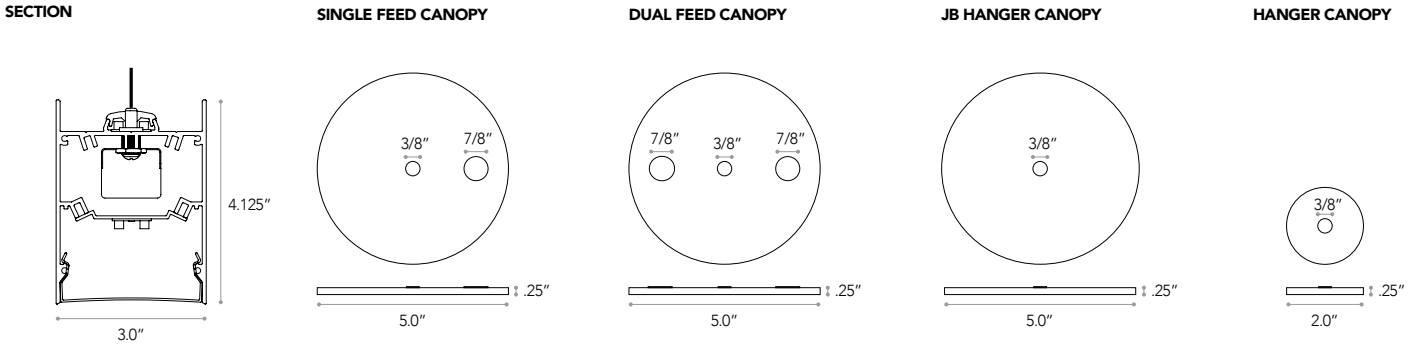
4-Week lead time for orders with a Black finish.

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

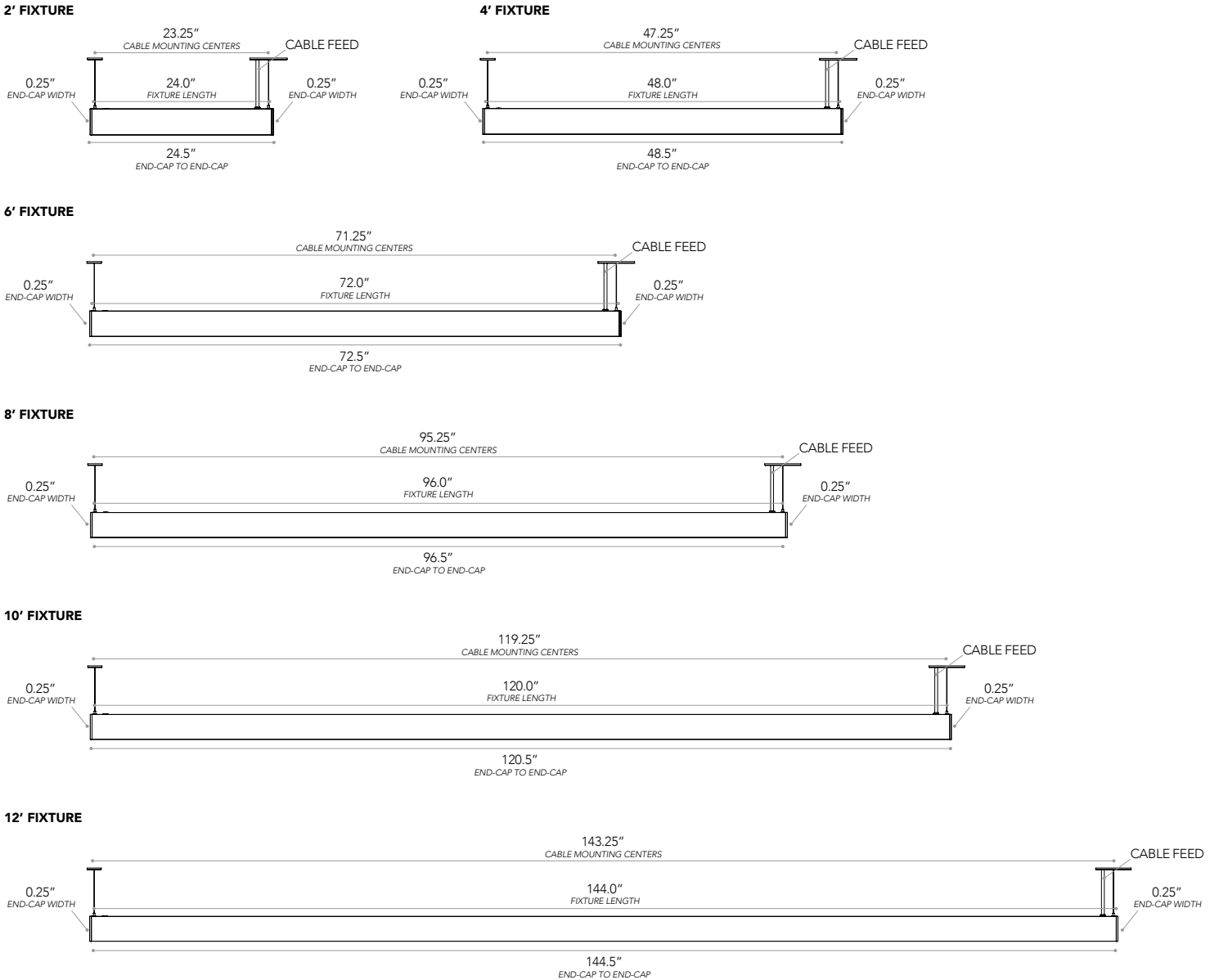
Manufactured in the USA:

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

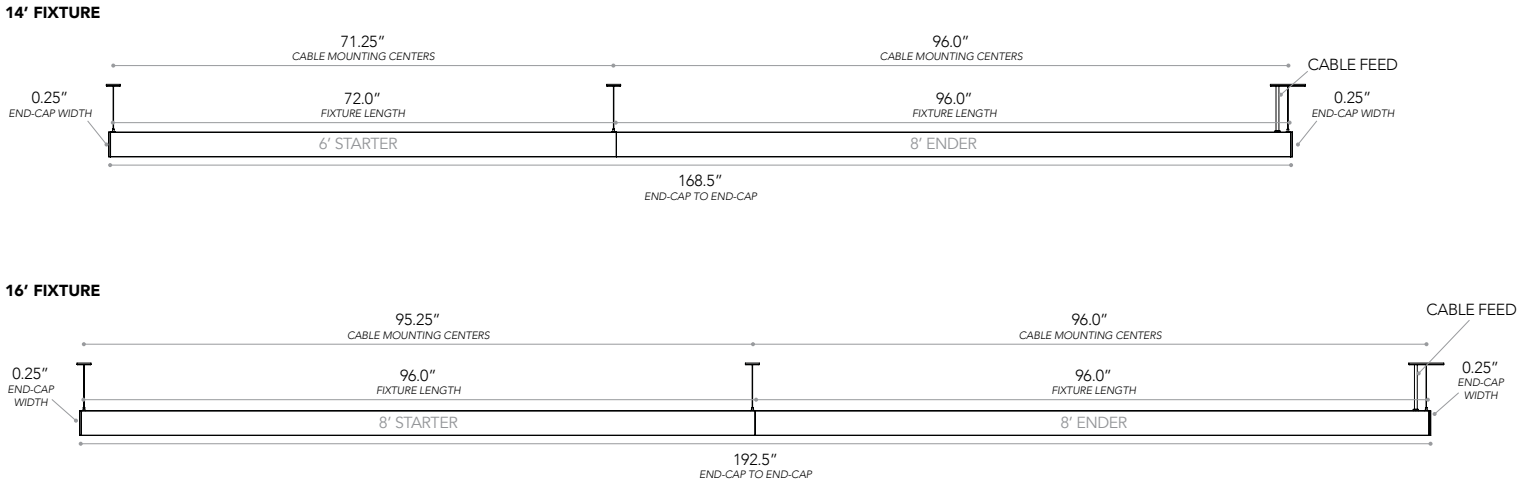
MOUNTING DETAILS



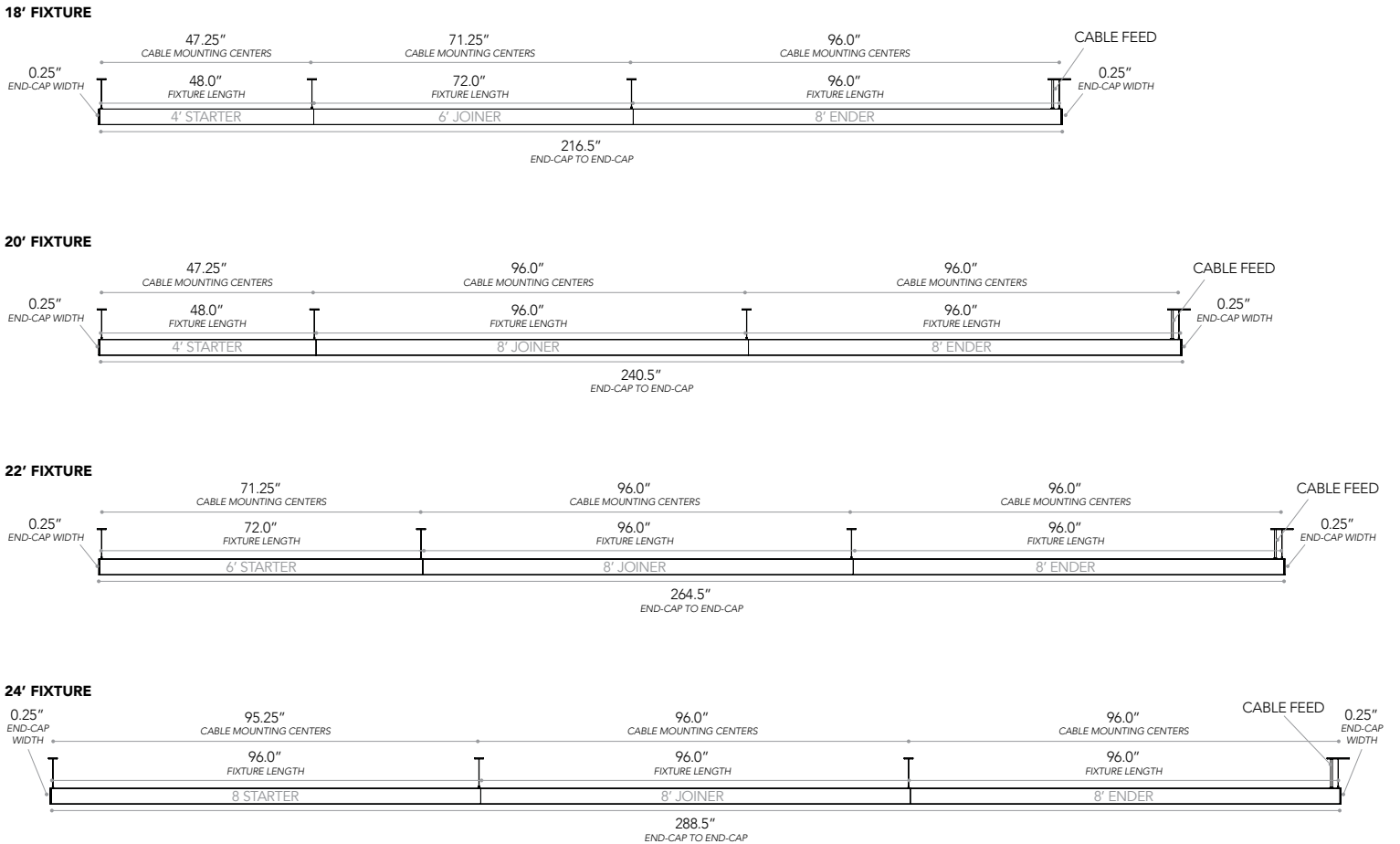
FIXTURE ROW LAYOUT: SINGLE UNIT 2' - 4' - 6' - 8' - 10' - 12'



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"

