

LINEAR  
SERIES



## CERTIFICATIONS



AN EXTENSION OF OUR 2-INCH LINEAR FAMILY SERIES

- 1. ARCHITECTURAL DETAILS**  
Concealed connection point between the wall and fixture eliminates the visibility of hardware.
- 2. SURE-FIT ALIGNMENT**  
4-Point alignment system adjoining each luminaire section to ensure straighter rows while minimizing the appearance of seams.

**3. EVENLY ILLUMINATED DIRECT LENS**  
High efficiency diffuser designed to minimize glare and provide uniform light distribution

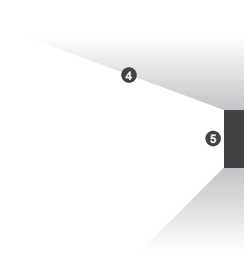
**4. OPTIMAL INDIRECT ASYMMETRIC ILLUMINATION**  
Diffused forward throw optics with high efficiency diffuser properly illuminates the wall, provides even illumination across the ceiling.

Multiple lumen intensities provide the correct level of illumination within each space.

**OPTIONAL INTEGRAL EMERGENCY  
BATTERY PACK**  
Engineered to exceed UL minimum safety standards  
and is CEC Listed.

120/277VAC 0-10V dimming to 1% standard.

## LIGHT DISTRIBUTION



Technical drawing of a door with dimensions and callouts:

- Top width: 2.625"
- Left height: 4"
- Bottom width: 2.00"
- Right height: 1.50"
- Callout 1: Points to the top hinge.
- Callout 2: Points to the top edge of the door.
- Callout 3: Points to the bottom edge of the door.

**SAMPLE PART NUMBER:** 2WID-24-MU-MD-30-UNV-WH-C90

SERIES	LENGTH	UPPER OUTPUT				DIRECT OUTPUT				CCT	VOLTAGE	FINISH			
2WID															
	XXX FT	VHU	1250 LM/FT	LU	500 LM/FT	VHD	1250 LM/FT	LD	500 LM/FT	30	3000K	UNV	120-277V	WH	White
	1' Increments EX: 20' = 20	HU	1000 LM/FT	VLU <sup>3</sup>	250 LM/FT	HD	1000 LM/FT	VLD	250 LM/FT	35	3500K	347 <sup>1</sup>	347V	BLK	Black
		MU	750 LM/FT	CU	Custom	MD	750 LM/FT	CD	Custom	40	4000K				

CRI		INTEGRATED CONTROLS <sup>2, 4, 5</sup>		OPTICAL	CIRCUITING	ORDERING NOTES
C90						1 EM not available with 347V.
C90	90 CRI	DOS	Daylight Occupancy Sensor DALI DRIVER STANDARD	BLANK = LAMBERTIAN	SS-U/D	2 EM and sensors are not available with 2' and 3' fixtures. 3 VLU is not available on 2' lengths.

FOR INDIVIDUALS		FOR LINEAR RUNS <sup>6, 7</sup>		
		EM		
EM <sup>2</sup>	Emergency Battery CEC LISTED	EMERGENCY BATTERY PACK	QUANTITY PER RUN <sup>6</sup>	POSITION IN RUN <sup>7</sup>
EC	Emergency Circuit	EC		
		EMERGENCY CIRCUIT	QUANTITY PER RUN <sup>6</sup>	POSITION IN RUN <sup>7</sup>

- 1 EM not available with 347V.
- 2 EM and sensors are not available with 2' and 3' fixtures.
- 3 VLU is not available on 2' lengths.
- 4 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).
- 5 Consult factory for component or system not listed.
- 6 EM and EC quantity is not to exceed number of discrete fixture sections in a row.
- 7 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=End  
*Ex: 2WID-24-HU-HD-35-UNV-WH-EM-2SJ*

STARTER	JOINER	ENDER
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## 2WID WALL

### INDIRECT / DIRECT



#### PHOTOMETRICS & ENERGY CHARTS

#### 2WID-04-HU-HD-35-UNV-XX-C90-AU

Total Lumens: 7,939

Ratio: 50% Up & 50% Down

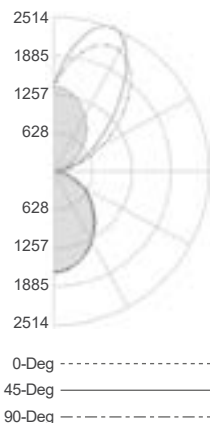
Wattage: 61.52

Efficacy: 129.0 LM/W

Fixture Length: Four Feet

#### Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	1206.8	15.2
0 - 40	1923.4	24.2
0 - 60	3247.4	40.9
0 - 90	4054.6	51.1
90 - 180	3884.0	48.9
0 - 180	7938.6	100.0



#### Indirect (Asymmetric) / Direct (Lambertian) Light at 90 CRI, 3500K

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
<b>Watts/ft</b>	19.3	17.2	14.7	12.2	10.1
<b>Lumens/ft</b>	2502	2254	2019	1732	1490
<b>LPW</b>	129.7	131.4	137.1	142.0	147.6

	HU-VHD	HU-HD	HU-MD	HU-LD	HU-VLD
<b>Watts/ft</b>	17.5	15.4	13.0	10.4	8.3
<b>Lumens/ft</b>	2233	1985	1750	1463	1221
<b>LPW</b>	127.4	129.0	135.1	140.3	146.6

	MU-VHD	MU-HD	MU-MD	MU-LD	MU-VLD
<b>Watts/ft</b>	16.0	13.8	11.4	8.9	6.8
<b>Lumens/ft</b>	1976	1728	1493	1206	964
<b>LPW</b>	123.7	124.9	130.9	135.8	142.2

	LU-VHD	LU-HD	LU-MD	LU-LD	LU-VLD
<b>Watts/ft</b>	14.6	12.5	10.0	7.5	5.4
<b>Lumens/ft</b>	1754	1505	1271	984	742
<b>LPW</b>	120.1	120.9	126.7	131.2	137.3

	VLU-VHD	VLU-HD	VLU-MD	VLU-LD	VLU-VLD
<b>Watts/ft</b>	13.2	11.0	8.6	6.1	4.0
<b>Lumens/ft</b>	1514	1266	1031	744	502
<b>LPW</b>	115.1	115.1	120.2	123.0	127.1

#### Lumen Adjustment Calculations

LUMEN MULTIPLIERS	Ex.: HU-MD, 3000K, 90CRI
3000K 0.995	Total Light Output: 7000 x 0.995 = 6965 lm
3500K 1.000	Total Light Output Per Foot: 1750 x 0.995 = 1741 lm/ft
4000K 1.023	Efficacy = 1741 / 13.0 = 133.9 lm/W

#### SPECIFICATIONS

## MECHANICAL

### Housing Construction:

Extruded Aluminum 6063-T5 alloy outer housing and LED tray 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 2WID is available in a minimum 2-foot (nominal) length with additional 1-foot increments available ( $\pm 0.030$ ). 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. 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 2WID is available in White and Black polyester powder coat finish to ensure durability.

### Integrated Controls:

The 2WID 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 Lumato lighting representative.

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

## OPERATION

### Light Engine:

The 2WID is available in 3000K, 3500K and 4000K CCT all within a 3-Step MacAdam Ellipse and has a standard CRI of 90+.

### 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:

Diffused forward throw optics with high efficiency diffuser properly illuminates the wall, provides even illumination across the ceiling 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 2WID 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.

## GENERAL

### Warranty:

Ten (10) year limited warranty from date of shipment, covers LED's, driver and luminaire. Optional accessories are covered by their individual Manufacturers' warranties.

### 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.

### Manufactured in the USA:

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

### Shipping:

4 week lead-time for orders up to 1000 linear feet.

Lead-time for orders greater than 1000 linear feet will be determined at time of order.



Manufactured  
in the USA



BAA  
Compliant



BABA  
Compliant



10-Year  
Warranty

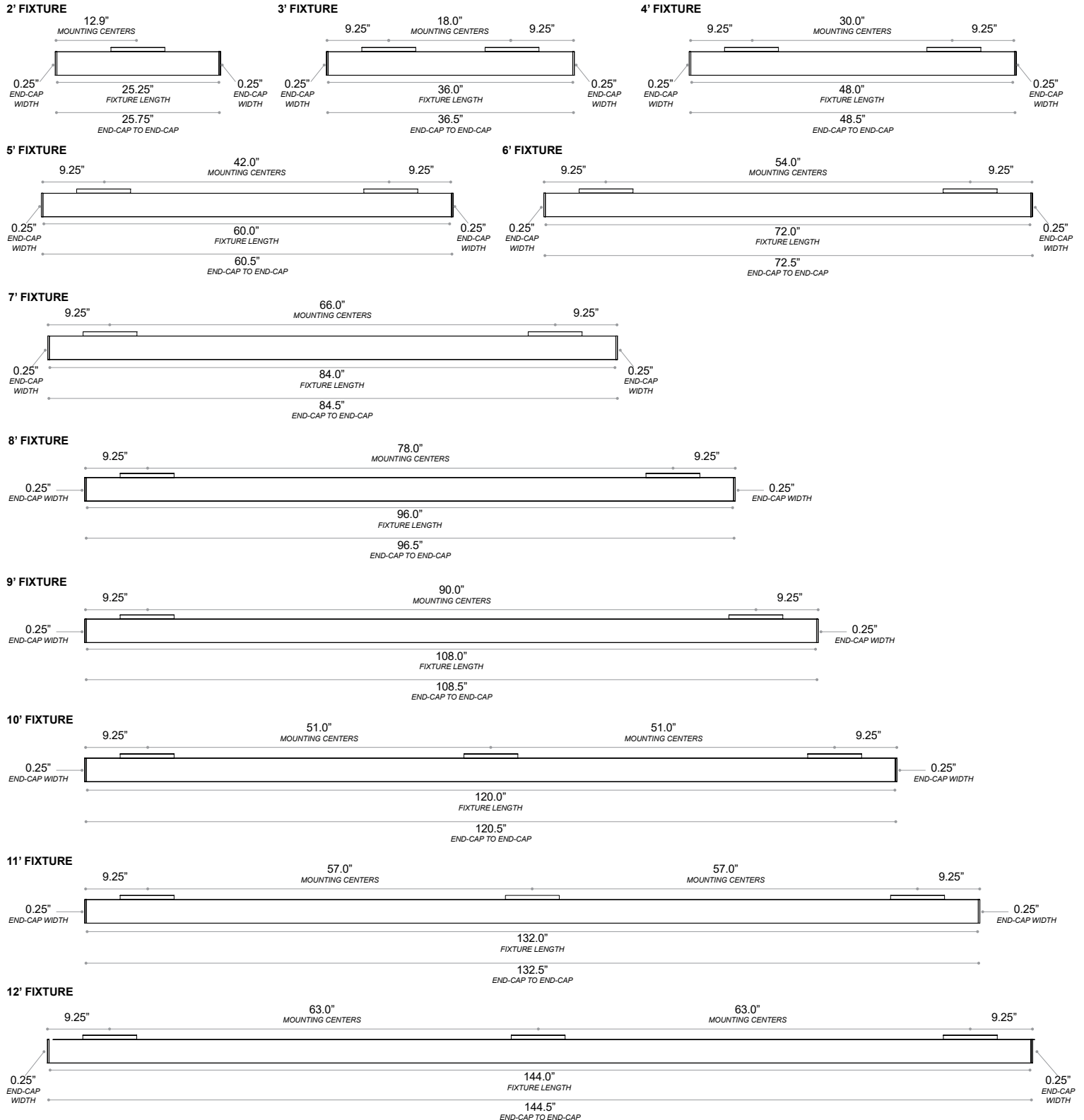


Standard  
90+ CRI



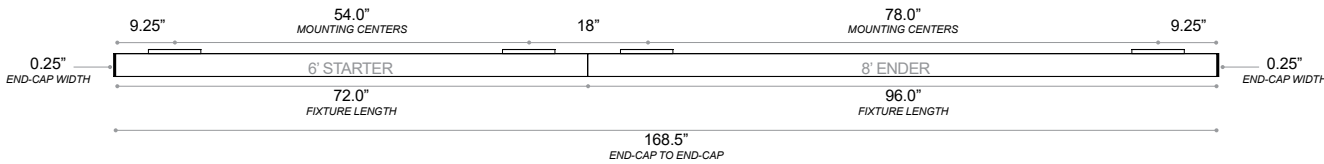
Sure-Fit  
Alignment

## Fixture Row Layout: Single Unit 2' - 3' - 4' - 5' - 6' - 7' - 8' - 9' - 10' - 11' - 12'

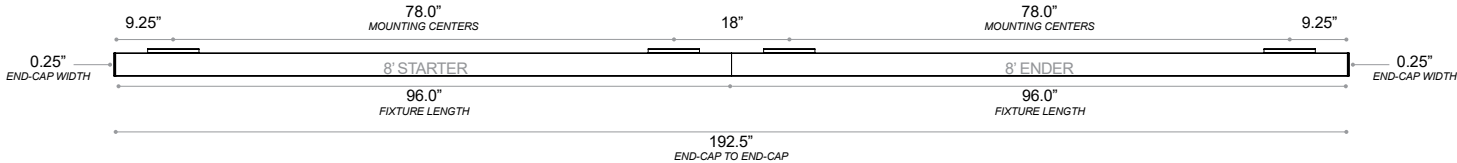




Fixture Row Layout: Two Units 14' - 16'

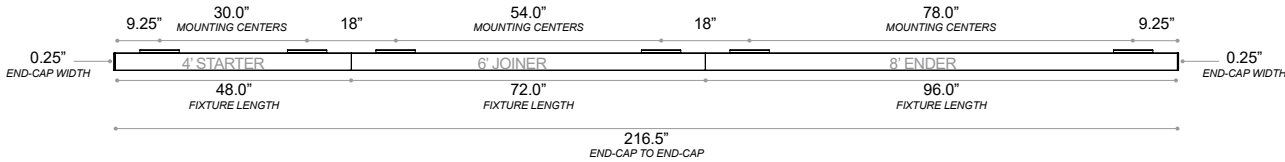


16' FIXTURE

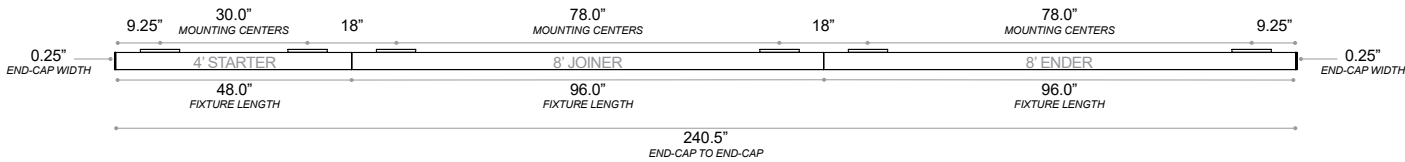


Fixture Row Layout: Three Units 18' - 20' - 22' - 24'

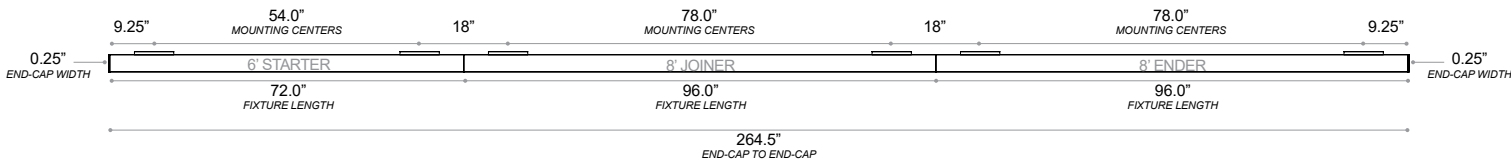
18' FIXTURE



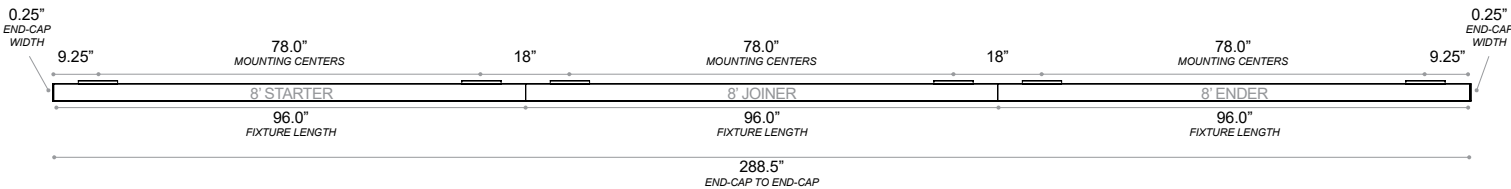
20' FIXTURE



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

	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

