



## PRODUCT FEATURES

### COMPACT FIXTURE HOUSING

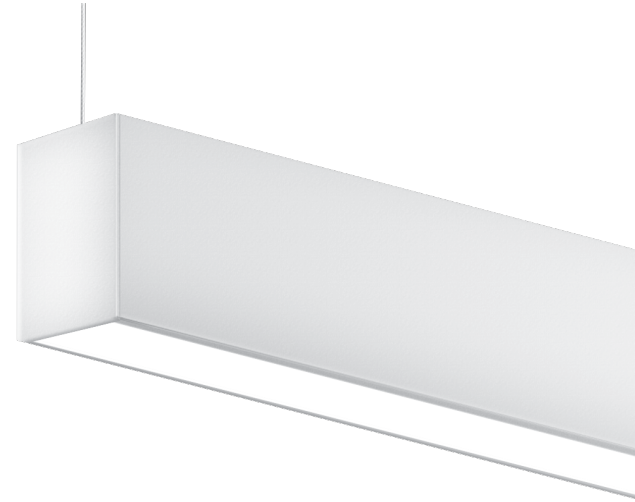
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### ONE-PIECE EXTRUDED ALUMINUM HOUSING

Ensures Straighter Rows and Consistent Lens Retention

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

### 106-108 LUMENS PER WATT



## ORDERING GUIDE EX: 2S - 04 - MD - 30 - T1 - WH - EM[1]

SERIES	LENGTH	OUTPUT	CCT	MOUNTING	FINISH
<b>2S</b>	<b>XX</b> FT 2" INCREMENTS MAX 72' EX: 4' = 04	<b>HD</b> 1000 LM/FT <b>MD</b> 750 LM/FT <b>LD</b> 500 LM/FT	<b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K	<b>T1</b> 1" T GRID <b>T9</b> 9/16" T GRID <b>SC</b> SCREW SLOT <b>HC</b> HARD CEILING <b>JB</b> JUNCTION BOX MOUNT	<b>WH</b> WHITE <b>BLK</b> **BLACK

\*\*WHITE FEED CORD & COVER PLATE STANDARD; SEE OPTIONS FOR BLACK FINISH

## OPTIONS

### ADD OPTIONS

**EM** \*EMERGENCY BATTERY PACK (ADD QUANTITIES BELOW)

**EC** EMERGENCY CIRCUIT (ADD QUANTITIES BELOW)

**CB96** 96" FEED CORD & COVER PLATE

**CB144** 144" FEED CORD & COVER PLATE

**BC** BLACK FEED CORD & COVER PLATE

**LE** LOWER ILLUMINATED EDGE

**EM**  
EMERGENCY BATTERY PACK

QUANTITY PER RUN

**EC**  
EMERGENCY CIRCUIT

QUANTITY PER RUN

\*NOT AVAILABLE IN 2' or 4' FIXTURES

## ROW CONFIGURATION & CUSTOMIZATION

PLEASE SEE PAGE 5 FOR ROW CONFIGURATION TABLE AND CUSTOM FIXTURE ROW ACCESSORIES

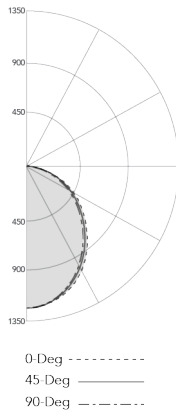
## OPTIONS NOTES

UNITS WITH EC/EM PACKS QUANTITY MUST BE THE SAME OR LESS THAN THE TOTAL RUN FIXTURE COUNT. NOT ALL OPTIONS ARE AVAILABLE WITH OTHER OPTIONS.

## PHOTOMETRICS

### 2S-04-MD-30-T1-WH

Total Lumens: 3,066  
Ratio: 0% Up and 100% Down  
Wattage: 28.90  
Efficacy: 106.1 (Lumens Per Watt)  
Fixture Length: Four Feet

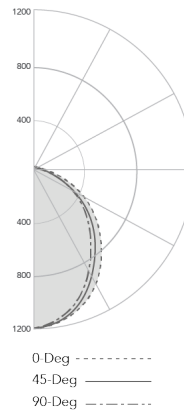


### ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	928	30.3
0 - 40	1477	48.1
0 - 60	2482	80.9
0 - 90	3067	100.0
90 - 180	0	0.0
0 - 180	3067	100.0

### 2S-04-MD-30-T1-WH-LE

Total Lumens: 2,976  
Ratio: 0% Up and 100% Down  
Wattage: 28.40  
Efficacy: 104.8 (Lumens Per Watt)  
Fixture Length: Four Feet



### ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	871	39.3
0 - 40	1379	46.3
0 - 60	2291	77.0
0 - 90	2849	95.8
90 - 180	126	4.2
0 - 180	2975	100.0

## ENERGY CONSUMPTION

WATTS PER LINEAR FOOT

### SYMMETRICAL DOWN LIGHT

	H:1000	M:750	L:500
<b>WATTS/FT</b>	9.55	7.23	4.73
<b>LUMENS/FT</b>	1022	767	511
<b>LUMENS/W</b>	107	106	108

## OPERATION

### Light Engine:

The 2S is available in 3000K, 3500K & 4000K CCT all within a 2.5-Step MacAdam Ellipse and has a standard CRI of 80+.

### 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. The optional Lower Illuminated Edge lens adds an elegant accent and reduces the side 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 2S 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. Fixture/rows will be supplied with four wire line volt & two wire low volt feed wires. Normal fixture drivers will be wired to "black" switched hot lead with a "red" unswitched through-wire wired to EM battery pack units "qty to be specified" in nomenclature string. Contractor will determine which fixture is the main feed point and terminate fixture leads as appropriate. For most fixtures, the entire direct portion of the fixture will be illuminated by the EM Battery Pack. For 10' High-Output and 12' Medium & High-Output only the first 8' of the direct portion of the fixture will be illuminated by the EM Battery Pack.

### Emergency Circuit:

Fixture rows will be supplied with two extra (unassembled) five wire feed cord kit's per each EC section requested "qty to be specified" in nomenclature string per run. Contractor will determine which fixture(s) is the EC feed point and terminate fixture leads as appropriate. Low volt control leads can be wired in or set up to run from main point or connected through extra feed cords. One driver per fixture section typical.

## GENERAL

### Warranty:

Ten (10) Year limited warranty from date of shipment

### Lumen Maintenance:

Rated for 85% initial lumen output at 50,000 Hours of operation, operated at 25C ambient temperature; per TM-21 Guidelines published by the Illuminating Engineering Society (IES).

### Certification

All Luminaires are UL and cUL listed, approved for Dry/Damp locations.  
All EM Units are UL 924 listed.

### Shipping

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

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

Orders Greater than 1,000' to be determined at time of order.

## 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 2S 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 & 8-foot fixtures.

### Mounting Method/Hardware:

The 2S is available for mounting upon any ceiling type, additional mounting hardware available by others.

### Exterior Finish:

The 2S 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 1/4-20 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" & 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.

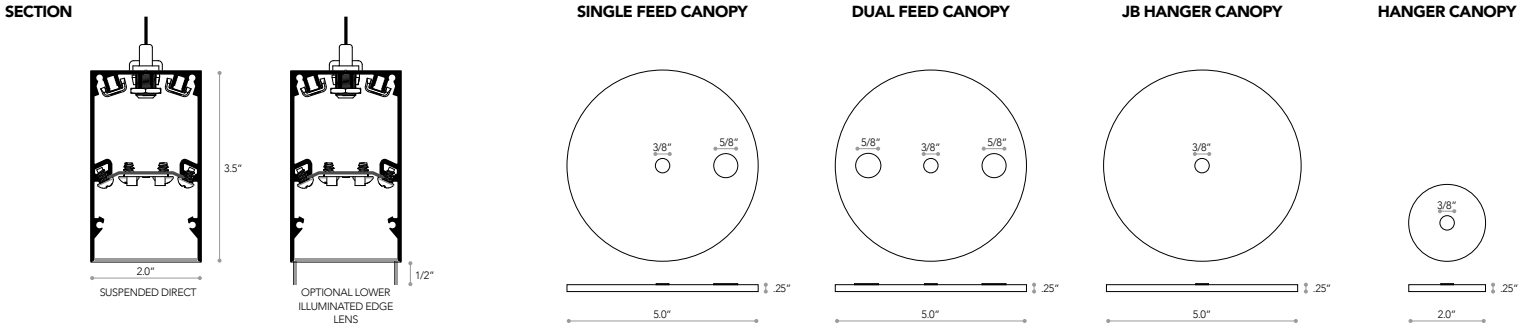
### Made in the USA

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

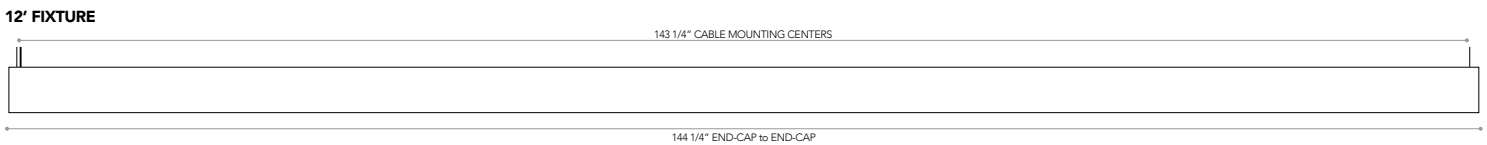
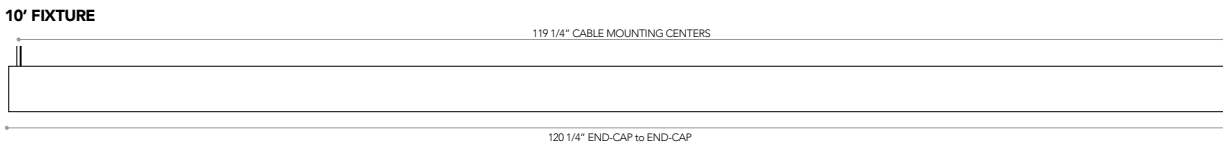
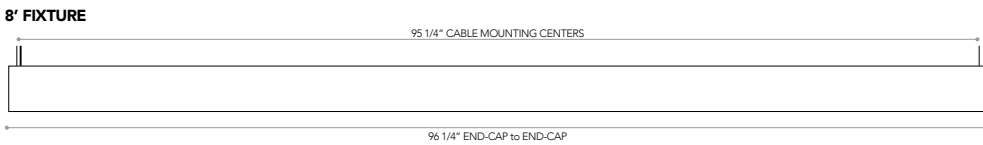
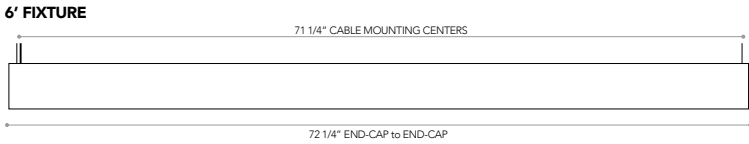
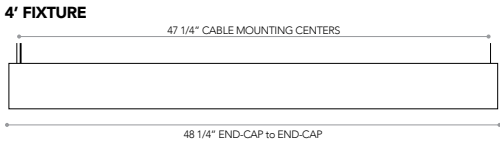
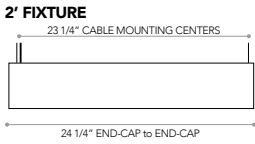
### On Site Installation Notes:

Fixture/rows will be supplied with the appropriate hardware kits to join fixtures together for specified row(s) length. End plate kits will also be supplied as required per row specifications.

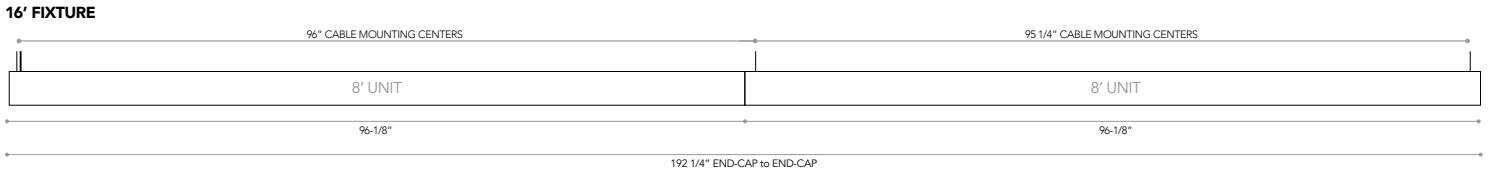
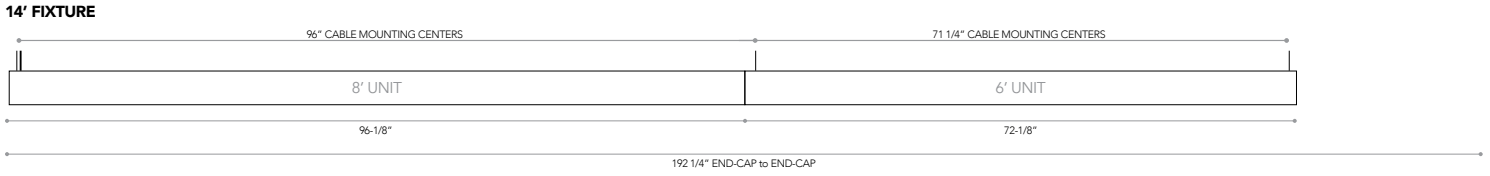
**MOUNTING DETAILS**



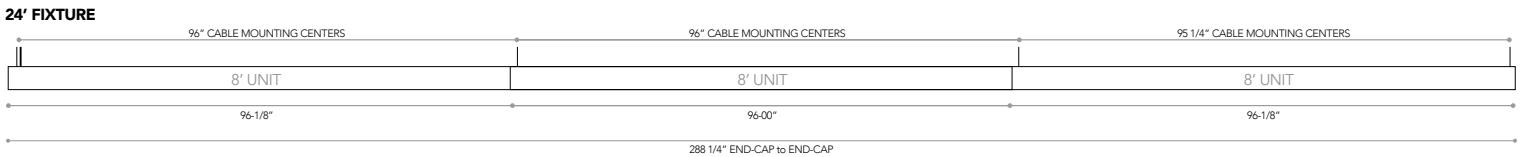
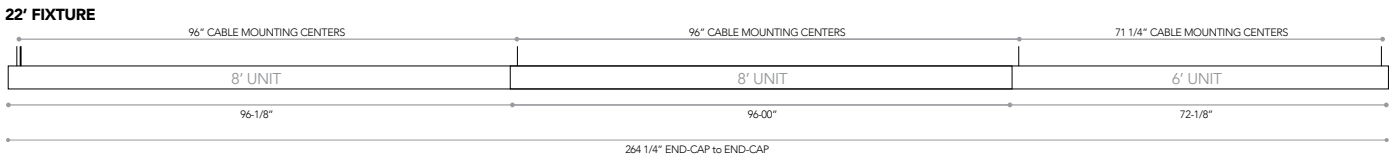
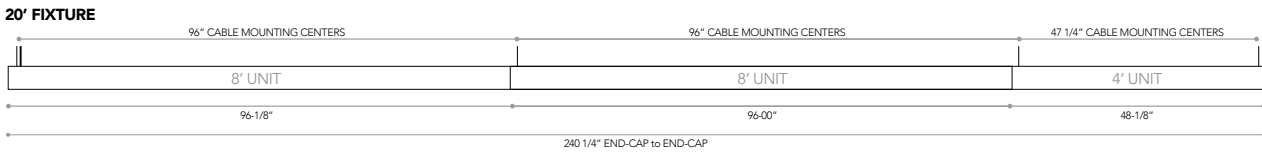
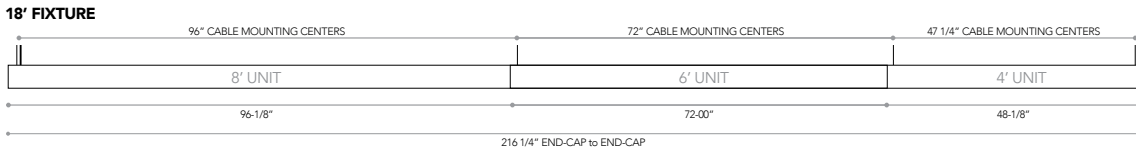
**FIXTURE ROW LAYOUT: SINGLE UNIT 2' - 4' - 6' - 8' - 10' - 12'**



**FIXTURE ROW LAYOUT: TWO UNITS 14' - 16'**



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



**FIXTURE ROW COMPONENTS**

ROW LENGTH	2' - UNIT	4' - UNIT	6' - UNIT	8' - UNIT	10' - UNIT	12' - UNIT	JOINER KITS	END CAPS	END-CAP TO END-CAP
2'	1	-	-	-	-	-	-	-	24-1/4"
4'	-	1	-	-	-	-	-	-	48-1/4"
6'	-	-	1	-	-	-	-	-	72-1/4"
8'	-	-	-	1	-	-	-	-	96-1/4"
10'	-	-	-	-	1	-	-	-	120-1/4"
12'	-	-	-	-	-	1	-	-	144-1/4"
14'	-	-	1	1	-	-	1	2	168-1/4"
16'	-	-	-	2	-	-	1	2	192-1/4"
18'	-	1	1	1	-	-	2	2	216-1/4"
20'	-	1	-	2	-	-	2	2	240-1/4"
22'	-	-	1	2	-	-	2	2	264-1/4"
24'	-	-	-	3	-	-	2	2	288-1/4"
26'	-	1	1	2	-	-	3	2	312-1/4"
28'	-	1	-	3	-	-	3	2	336-1/4"
30'	-	-	1	3	-	-	3	2	360-1/4"
32'	-	-	-	4	-	-	3	2	384-1/4"
34'	-	1	1	3	-	-	4	2	408-1/4"
36'	-	1	-	4	-	-	4	2	432-1/4"
38'	-	-	1	4	-	-	4	2	456-1/4"
40'	-	-	-	5	-	-	4	2	480-1/4"
42'	-	1	1	4	-	-	5	2	504-1/4"
44'	-	1	-	5	-	-	5	2	528-1/4"
46'	-	-	1	5	-	-	5	2	552-1/4"
48'	-	-	-	6	-	-	5	2	576-1/4"
50'	-	1	1	5	-	-	6	2	600-1/4"
52'	-	1	-	6	-	-	6	2	624-1/4"
54'	-	-	1	6	-	-	6	2	648-1/4"
56'	-	-	-	7	-	-	6	2	672-1/4"
58'	-	1	1	6	-	-	7	2	696-1/4"
60'	-	1	-	7	-	-	7	2	720-1/4"
62'	-	-	1	7	-	-	7	2	744-1/4"
64'	-	-	-	8	-	-	7	2	768-1/4"
66'	-	1	1	7	-	-	8	2	792-1/4"
68'	-	1	-	8	-	-	8	2	816-1/4"
70'	-	-	1	8	-	-	8	2	840-1/4"
72'	-	-	-	9	-	-	8	2	864-1/4"

**Note 1**  
Suspended Mount Fixtures have Cable Mounting Holes 1/2" from End-Cap

**CUSTOM FIXTURE ROW ACCESSORIES** **ADDITIONAL FEED CORD KIT**  
APPROPRIATE 5" COVER PLATE, MOUNTING HARDWARE & FEED CORD(S)

KIT	LENGTH	MOUNTING	FUNCTION	COLOR	QUANTITY
<b>FK</b>	<b>48</b> 48" LENGTH	<b>T1</b>	<b>ST</b> STANDARD 0-10V DIMMING	<b>WH</b> WHITE	
	<b>96</b> 96" LENGTH	<b>T9</b>	<b>EM</b>	<b>BLK</b> BLACK	
	<b>144</b> 144" LENGTH	<b>SC</b>			
		<b>HC</b>			
		<b>JB</b>			