



DATE

PROJECT

COMMENTS

## PRODUCT FEATURES

### COMPACT FIXTURE HOUSING

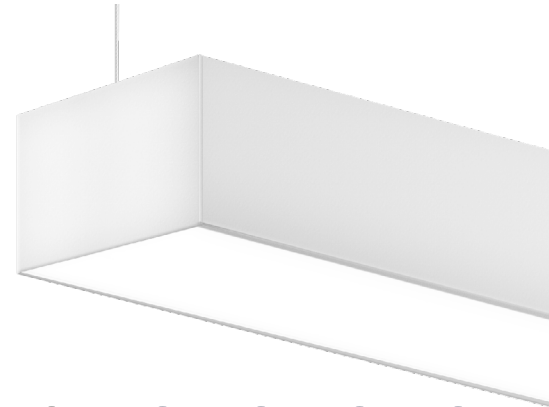
Width: 5.0" Height: 3.5"

### ONE-PIECE EXTRUDED ALUMINUM HOUSING

Ensures Straighter Rows and Consistent Lens Retention

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

### UP TO 111 LUMENS PER WATT



## ORDERING GUIDE EX: 5S - 04 - MD - 30 - UNV - T1 - WH - EM[1]

SERIES	LENGTH	OUTPUT	CCT	VOLTAGE	MOUNTING	FINISH
<b>5S</b>	<b>XX</b> FEET 2' INCREMENTS  OVERALL FIXTURE LENGTH EX: 20' = 20	<b>HD</b> 1000 LM/FT <b>MD</b> 750 LM/FT <b>LD</b> 500 LM/FT <b>CD</b> CUSTOM DOWN EX: CD1250=1250LM/FT	<b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K	<b>UNV</b> 120V-277V <b>347</b> 347V	<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<sup>1</sup></b> BLACK  <sup>1</sup> WHITE FEED CORD & COVER PLATE STANDARD; SEE OPTIONS FOR BLACK FINISH

**NOTES**  
SEE PAGE 5 FOR ROW LAYOUTS AND MOUNTING DIMENSIONS. ALL FIXTURES ARE SUPPLIED WITH 0-10V 1% DIMMING DRIVERS STANDARD UNLESS SPECIFIED DIFFERENTLY IN OPTIONS SECTION. MAXIMUM CUSTOMIZABLE LUMEN OUTPUT IS 1400 LM/FT.

**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.  
<sup>2</sup>ONE SENSOR PER FIXTURE.  
<sup>3</sup>SENSOR COMPONENTS SUPPLIED BY OTHERS.  
<sup>4</sup>NOT AVAILABLE IN 2' FIXTURES.  
<sup>5</sup>PLEASE CONTACT FACTORY FOR CONFIGURATION.

## OPTIONS

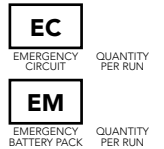
DIMMING & INTEGRATED CONTROLS<sup>2</sup>

ADD OPTIONS

### BLANK = STANDARD 0-10V 1% DIMMING

0-10V	Lutron
<b>EL01</b> 0-10V 0.1% ELDOLED	<b>LDE1</b> ECOSYSTEM LDE1
<b>DALI</b>	<b>Integrated Controls</b>
<b>OSD</b> OSRAM DEXAL	<b>OS</b> OCCUPANCY SENSOR
<b>SID</b> SIGNIFY DALI	<b>DOS</b> OCCUPANCY & DAYLIGHT SENSOR
<b>ELD01</b> 0.1% ELDOLED	<b>LVI</b> LUTRON VIVE
	<b>ENL<sup>3</sup></b> ENLIGHTED

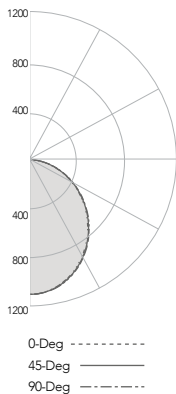
<b>EM<sup>4</sup></b> EMERGENCY BATTERY PACK (ADD QUANTITIES ON THE RIGHT)	<b>BC</b> BLACK FEED CORD & COVER PLATE
<b>EC</b> EMERGENCY CIRCUIT (ADD QUANTITIES ON THE RIGHT)	<b>LE</b> LOWER ILLUMINATED EDGE
<b>CB96</b> 96" FEED CORD & COVER PLATE	<b>SP<sup>5</sup></b> SPECIAL PRODUCT CONFIGURATION
<b>CB144</b> 144" FEED CORD & COVER PLATE	



## PHOTOMETRICS

### 5S-04-HD-30-XX-SD-WH

Total Lumens: 3957  
Ratio: 0% Up and 100% Down  
Wattage: 33.20  
Efficacy: 119.20 (Lumens Per Watt)  
Fixture Length: Four Feet

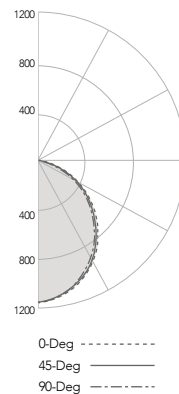


### ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1136	28.7
0 - 40	1832	46.3
0 - 60	3151	79.7
0 - 90	3957	100.0
90 - 180	0	0
0 - 180	3957	100.0

### 5S-04-MD-30-LE

Total Lumens: 3044  
Ratio: 0% Up and 50% Down  
Wattage: 24.90  
Efficacy: 122.2 (Lumens Per Watt)  
Fixture Length: Four Feet



### ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	865	28.4
0 - 40	1394	45.8
0 - 60	2391	78.5
0 - 90	2987	98.1
90-120	42	1.4
90-130	48	1.6
90-150	55	1.8
90 - 180	57	1.9
0 - 180	3044	100.0

## ENERGY CONSUMPTION

WATTS PER LINEAR FOOT

### SYMMETRICAL DOWN LIGHT

	H:1000	M:750	L:500
<b>WATTS/FT</b>	8.3	6.2	4.1
<b>LUMENS/FT</b>	989	742	512
<b>LUMENS/W</b>	119	120	124

## OPERATION

### Light Engine:

The 5S 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 5S 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 six wire feed cords. 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:

Emergency Circuit fixtures are engineered so that the entire fixture is wired to the emergency circuit. Row Fixtures are constructed with an extra Hot and Neutral through wire. Each run will be supplied with (1) 5 Wire and (1) 4 Wire, unassembled, feed cord kit. "EC Quantity" refers to the number of fixtures in the run that are wired to the emergency circuit. For example, a 20' run with EC2 selected will be shipped as (2) 8' fixtures wired to the emergency circuit and (1) 4' fixture wired to the normal circuit. Contractor is responsible for designating the feed location and terminating fixture leads appropriately.

## 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 25C ambient temperature; per TM-21 Guidelines published by the Illuminating Engineering Society (IES).

### Certifications

All Luminaires are UL and cUL listed, approved for 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 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 5S 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 & 8-foot fixtures.

### 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 5S 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" & 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 5S 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 1,000 Linear Feet.

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

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

### Manufactured in the USA

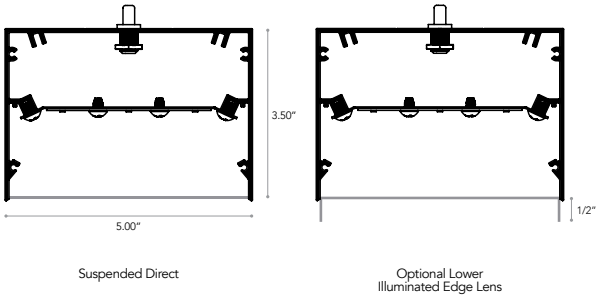
All ALL Luminaires and Components (except LED boards, drivers, and end caps) are proudly manufactured and assembled in the USA.

### On Site Installation Notes:

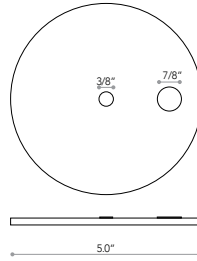
Fixture/rows will be supplied with the appropriate hardware kits to join fixtures together for specified row(s) length. End cap kits will also be supplied as required per row specifications. Please see the Installation Instructions for row chart grid specific length needed for each row length.

MOUNTING DETAILS

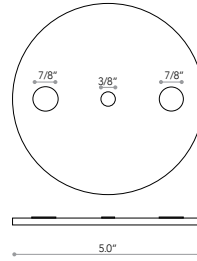
SECTION



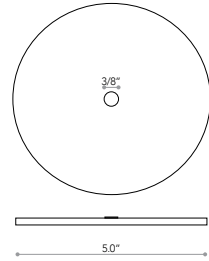
SINGLE FEED CANOPY



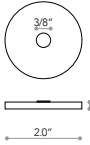
DUAL FEED CANOPY



JB HANGER CANOPY

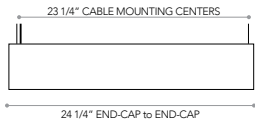


HANGER CANOPY

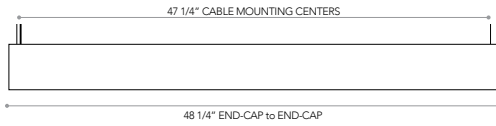


FIXTURE ROW LAYOUT: SINGLE UNIT 2' - 4' - 6' - 8' - 10' - 12'

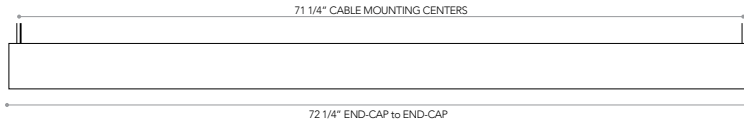
2' FIXTURE



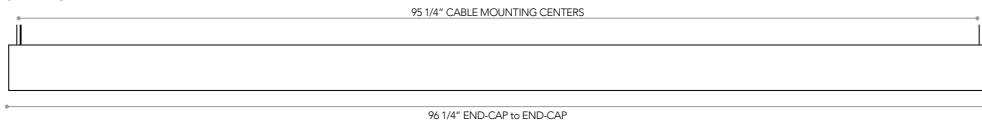
4' FIXTURE



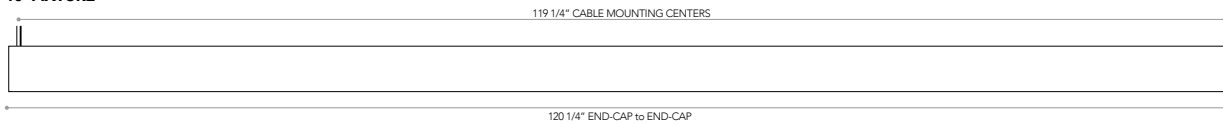
6' FIXTURE



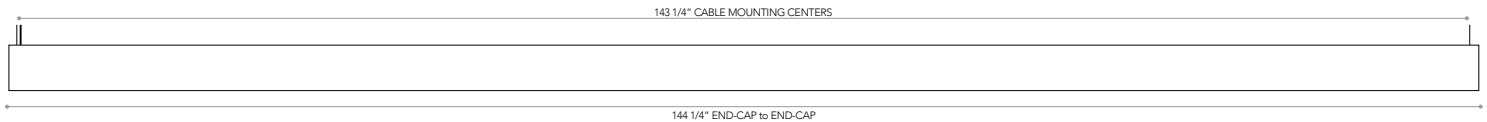
8' FIXTURE



10' FIXTURE

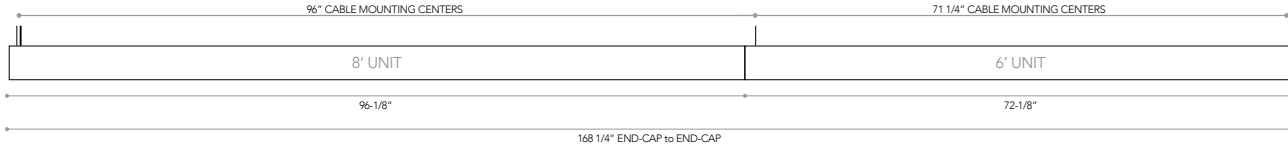


12' FIXTURE

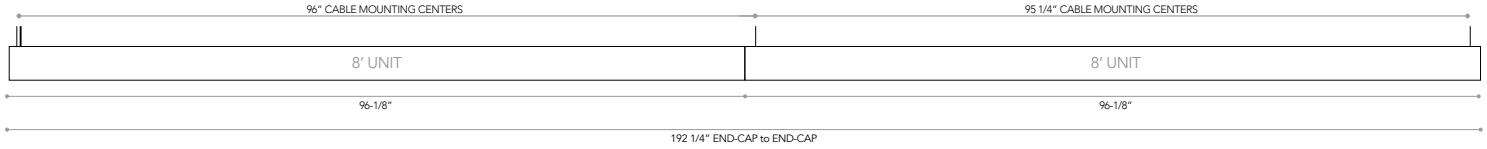


**FIXTURE ROW LAYOUT: TWO UNITS 14' - 16'**

**14' FIXTURE**



**16' FIXTURE**

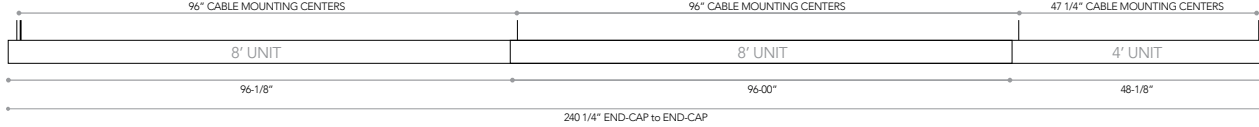


**FIXTURE ROW LAYOUT: THREE UNITS 18' - 20' - 22' - 24'**

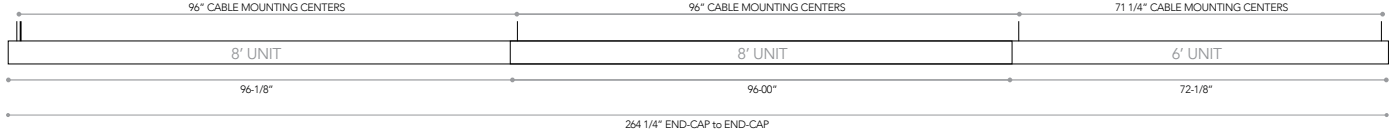
**18' FIXTURE**



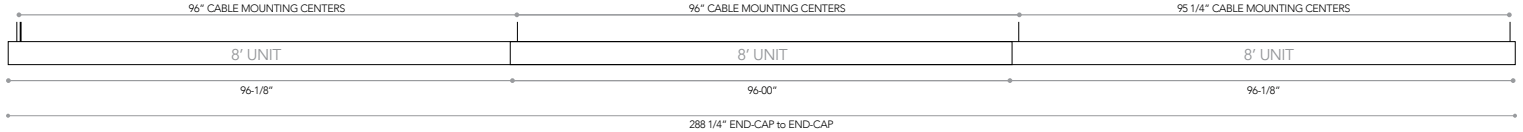
**20' FIXTURE**



**22' FIXTURE**



**24' FIXTURE**



**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>			