



DATE

PROJECT

COMMENTS

## PRODUCT FEATURES

### COMPACT FIXTURE HOUSING

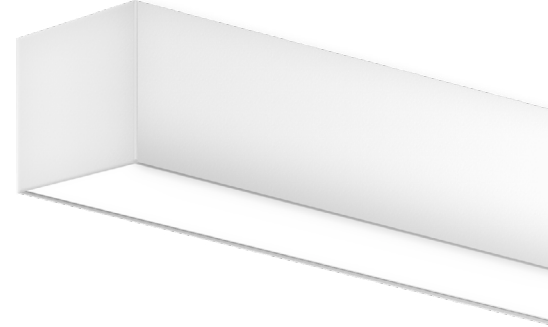
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### ONE-PIECE EXTRUDED ALUMINUM HOUSING

Ensures Straighter Rows and Consistent Lens Retention

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

### UP TO 133 LUMENS PER WATT



## ORDERING GUIDE EX: 3W - 04 - MD - 30 - UNV - WH - EM[1]

SERIES	LENGTH	OUTPUT	CCT	VOLTAGE	FINISH
<b>3W</b>	<b>XX</b> FEET 2' INCREMENTS OVERALL FIXTURE LENGTH EX: 20' = 20	<b>HD</b> 1000 LM/FT	<b>30</b> 3000K	<b>UNV</b> 120V-277V	<b>WH</b> WHITE
		<b>MD</b> 750 LM/FT	<b>35</b> 3500K	<b>347</b> 347V	<b>BLK</b> BLACK
		<b>LD</b> 500 LM/FT	<b>40</b> 4000K		
		<b>CD</b> CUSTOM DOWN EX: CD1250=1250LM/FT			

### 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 1600 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>1</sup>ONE SENSOR PER FIXTURE.  
<sup>2</sup>SENSOR COMPONENTS SUPPLIED BY OTHERS.  
<sup>3</sup>NOT AVAILABLE IN 2' FIXTURES OR WITH WALL WASH OPTION.  
<sup>4</sup>NOT ALL PRODUCT VARIATIONS LISTED ON THIS PAGE ARE DLC QUALIFIED. VISIT WWW.DESIGNLIGHTS.ORG/SEARCH TO CONFIRM QUALIFICATION.  
<sup>5</sup>PLEASE CONTACT FACTORY FOR CONFIGURATION.

## OPTIONS

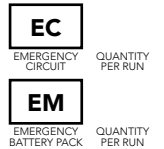
### DIMMING & INTEGRATED CONTROLS<sup>1</sup>

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

<b>0-10V</b>	<b>Lutron</b>
<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>2</sup></b> ENLIGHTED

### ADD OPTIONS

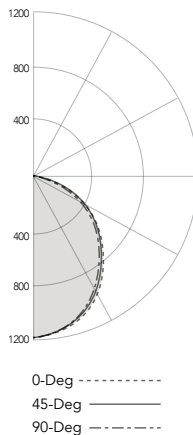
<b>EM<sup>3</sup></b> EMERGENCY BATTERY PACK (ADD QUANTITIES ON THE RIGHT)	<b>HE<sup>4</sup></b> HIGH EFFICIENCY
<b>EC</b> EMERGENCY CIRCUIT (ADD QUANTITIES ON THE RIGHT)	<b>WW</b> WALL WASH
<b>LE</b> LOWER ILLUMINATED EDGE	<b>SP<sup>5</sup></b> SPECIAL PRODUCT CONFIGURATION



## PHOTOMETRICS

### 3W-04-MD-30

Total Lumens: 2997  
 Ratio: 0% Up and 100% Down  
 Wattage: 26.76  
 Efficacy: 112.00 (Lumens Per Watt)  
 Fixture Length: Four Feet



### ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	888	29.1
0 - 40	1427	46.8
0 - 60	2443	80.0
0 - 90	3052	100.0
90 - 180	0	0.0
0 - 180	3052	100.0

## ENERGY CONSUMPTION

WATTS PER LINEAR FOOT

### SYMMETRICAL DOWN LIGHT

	H:1000	M:750	L:500
<b>WATTS/FT</b>	8.98	6.69	4.38
<b>LUMENS/FT</b>	938	747	474
<b>LUMENS/W</b>	104	112	108

### SYMMETRICAL DOWN LIGHT - HE OPTION

	H:1000	M:750	L:500
<b>WATTS/FT</b>	8.98	6.69	4.38
<b>LUMENS/FT</b>	1126	896	569
<b>LUMENS/W</b>	125.4	133.9	130.1

## OPERATION

### Light Engine:

The 3W 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 3W 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/EM 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. Emergency Circuit always powers the longest fixtures in the run first. "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 85,000 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.

Select configurations with the HE option are DesignLights Consortium® Qualified for DLC Standard, please refer to [www.designlights.org](http://www.designlights.org) for details.

## 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 3W 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. Max run length on one power feed is 72'. Continuous runs over 72' will require 2 power feeds.

### Mounting Method/Hardware:

The Hidden-Connect design recesses or hides all attachment hardware. Standard mounting hardware includes a galvanized wall cleat with side to side adjusting for final alignment. Position all Junction Boxes in accordance with the Fixture Row Layouts found on pages 3-5. 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 3W is available in White and Black polyester powder coat finish to ensure durability.

### Integrated Controls:

The 3W 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.

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

### Manufactured in the USA

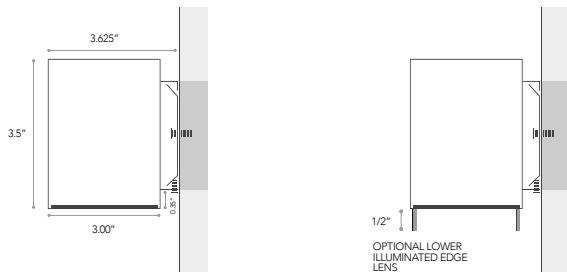
All ALL Luminaires and Components (with the exception of our LED boards and drivers) are proudly manufactured and assembled in the USA.

### On Site Installation Notes:

Fixtures will be supplied with the appropriate hardware kits to join two fixtures together for specified on-site row(s) length.

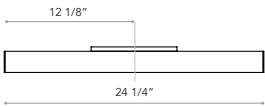
## MOUNTING DETAILS

### SECTION

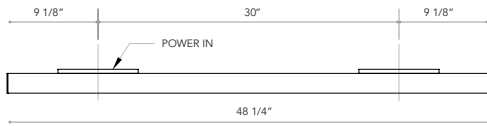


## FIXTURE ROW LAYOUT: SINGLE UNIT 2' - 4' - 6' - 8' - 10' - 12'

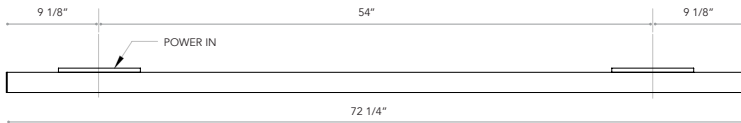
### 2' FIXTURE



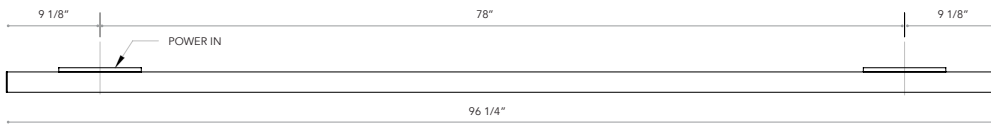
### 4' FIXTURE



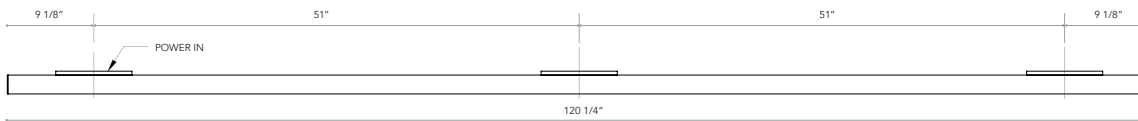
### 6' FIXTURE



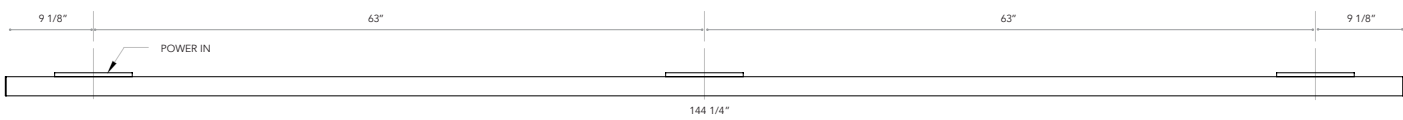
### 8' FIXTURE



### 10' FIXTURE

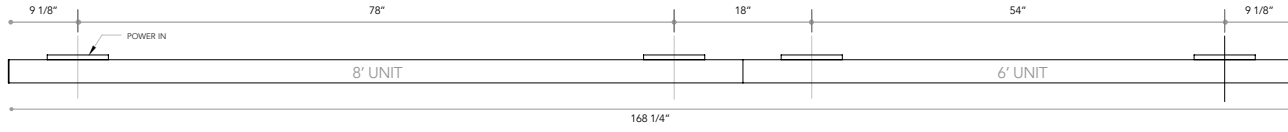


### 12' FIXTURE

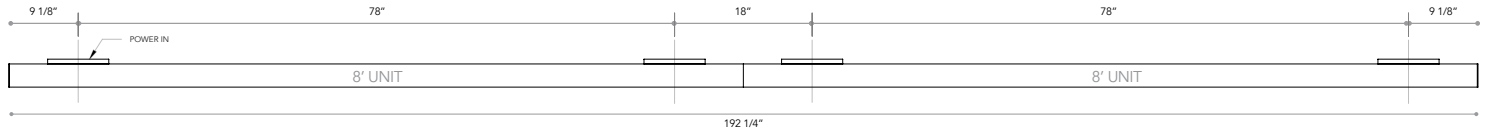


**FIXTURE ROW LAYOUT: TWO UNITS 14' - 16'**

**14' FIXTURE**

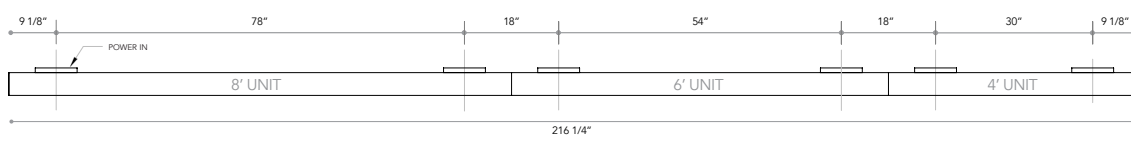


**16' FIXTURE**

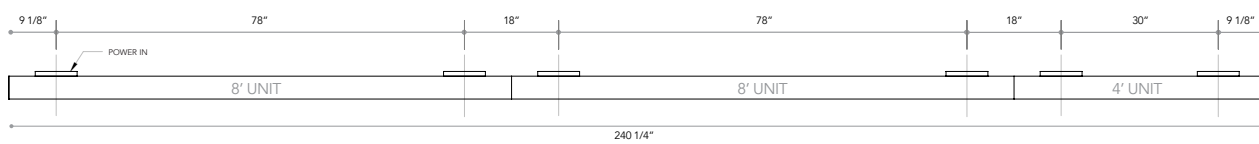


**FIXTURE ROW LAYOUT: THREE UNITS 18' - 20' - 22' - 24'**

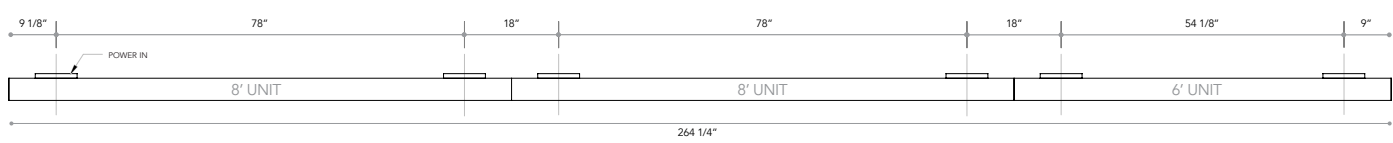
**18' FIXTURE**



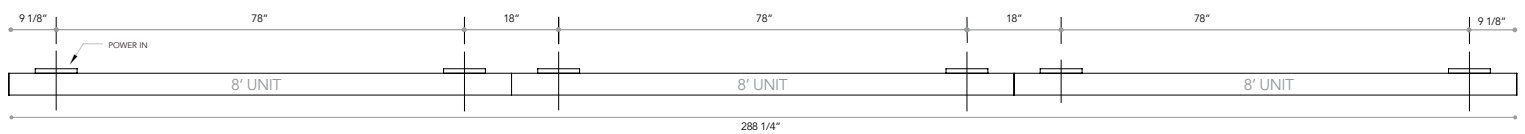
**20' FIXTURE**



**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"