



DATE

PROJECT

COMMENTS

PRODUCT FEATURES

COMPACT FIXTURE HOUSING

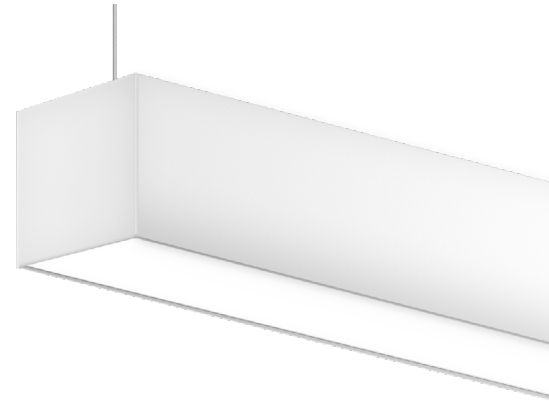
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ONE-PIECE EXTRUDED ALUMINUM HOUSING

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: 3S - 04 - MD - 30 - UNV - T1 - WH - EM[1]

SERIES	LENGTH	OUTPUT	CCT	VOLTAGE	MOUNTING	FINISH
3S	XX FEET 2' INCREMENTS OVERALL FIXTURE LENGTH EX: 20' = 20	HD 1000 LM/FT MD 750 LM/FT LD 500 LM/FT CD CUSTOM DOWN EX: CD1250=1250LM/FT	30 3000K 35 3500K 40 4000K	UNV 120V-277V 347 347V	T1 1" T GRID T9 9/16" T GRID SC SCREW SLOT HC HARD CEILING JB JUNCTION BOX MOUNT	WH WHITE BLK¹ BLACK ¹ 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 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.
²ONE SENSOR PER FIXTURE.
³SENSOR COMPONENTS SUPPLIED BY OTHERS.
⁴NOT AVAILABLE IN 2' FIXTURES OR WITH WALL WASH OPTION.
⁵NOT ALL PRODUCT VARIATIONS LISTED ON THIS PAGE ARE DLC QUALIFIED. VISIT WWW.DESIGNLIGHTS.ORG/SEARCH TO CONFIRM QUALIFICATION.
⁶PLEASE CONTACT FACTORY FOR CONFIGURATION.

OPTIONS

DIMMING & INTEGRATED CONTROLS²

ADD OPTIONS

BLANK = STANDARD 0-10V 1% DIMMING

0-10V	Lutron
EL01 0-10V 0.1% ELDOLED	LDE1 ECOSYSTEM LDE1
DALI	Integrated Controls
OSD OSRAM DEXAL	OS OCCUPANCY SENSOR
SID SIGNIFY DALI	DOS OCCUPANCY & DAYLIGHT SENSOR
ELD01 0.1% ELDOLED	LVI LUTRON VIVE
	ENL³ ENLIGHTENED

EM⁴ EMERGENCY BATTERY PACK (ADD QUANTITIES ON THE RIGHT)

EC EMERGENCY CIRCUIT (ADD QUANTITIES ON THE RIGHT)

CB96 96" FEED CORD & COVER PLATE

CB144 144" FEED CORD & COVER PLATE

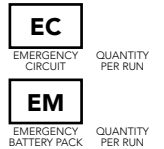
BC BLACK FEED CORD & COVER PLATE

LE LOWER ILLUMINATED EDGE

HE⁵ HIGH EFFICIENCY

WW WALL WASH

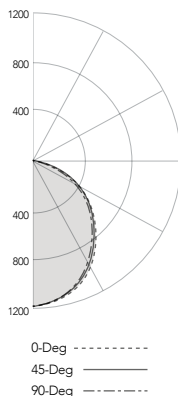
SP⁶ SPECIAL PRODUCT CONFIGURATION



PHOTOMETRICS

3S-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

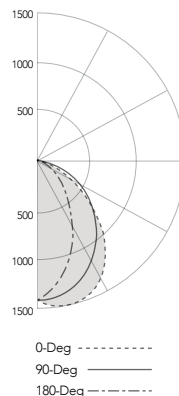


ZONAL LUMEN SUMMARY

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

3S-04-MD-30-WW

Total Lumens: 3,583
Ratio: 0% Up and 100% Down
Wattage: 31.6
Efficacy: 104.68 (Lumens Per Watt)
Fixture Length: Four Feet



ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1057	32.0
0 - 40	1683	50.9
0 - 60	2769	83.7
0 - 90	3308	100.0
90 - 180	0	0.0
0 - 180	3308	100.0

ENERGY CONSUMPTION WATTS PER LINEAR FOOT

SYMMETRICAL DOWN LIGHT

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

SYMMETRICAL DOWN LIGHT - HE OPTION

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

WALL WASH

	H:1000	M:750	L:500
WATTS/FT	10.53	7.90	5.38
LUMENS/FT	1072.50	827.00	565.00
LUMENS/W	101.90	104.68	105.12

OPERATION

Light Engine:

The 3S 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.

Wall Wash:

Asymmetric extruded aluminum reflector with recessed extruded acrylic lens to achieve a superior wall uniformity while minimizing 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 3S 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 a (unassembled) 6 Wire feed kit. 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 88,300 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.

Select configurations with the HE option are DesignLights Consortium® Qualified for DLC Standard, please refer to 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 3S 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 3S is available for mounting upon any ceiling type, additional mounting hardware available by others.

Exterior Finish:

The 3S 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 3S 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.

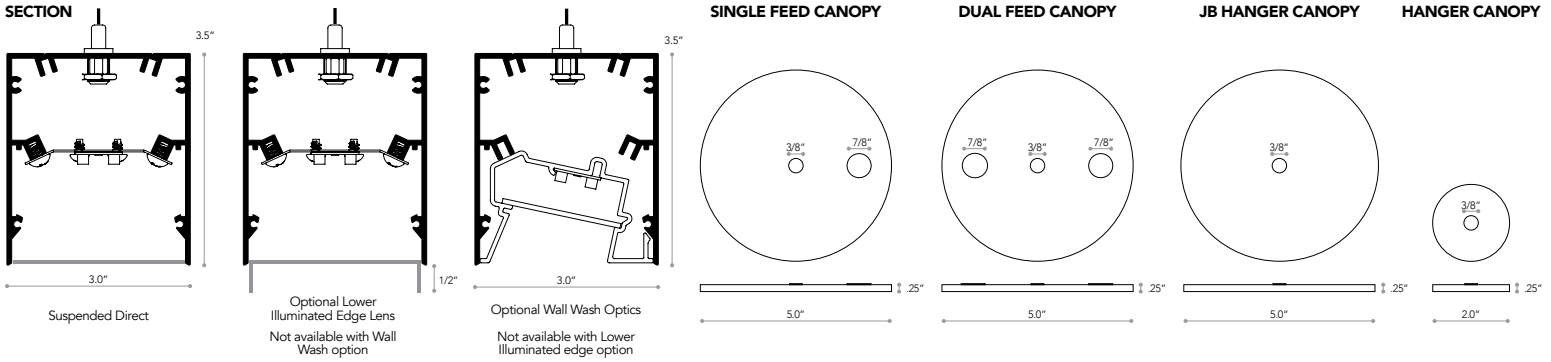
Manufactured in the USA

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:

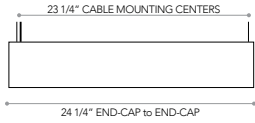
Fixture/rows will be supplied with the appropriate hardware kits to join fixtures together for specified row(s) length. End plate kits will also be supplied as required per row specifications.

MOUNTING DETAILS

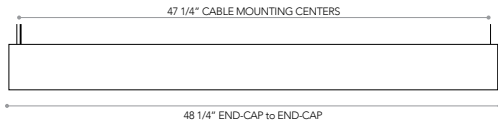


FIXTURE ROW LAYOUT: SINGLE UNIT 2' - 4' - 6' - 8' - 10' - 12'

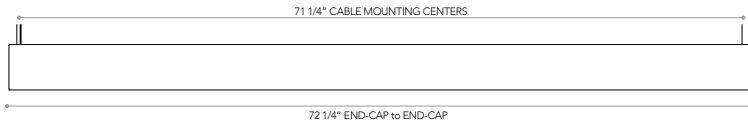
2' FIXTURE



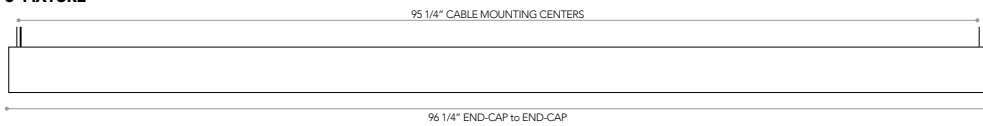
4' FIXTURE



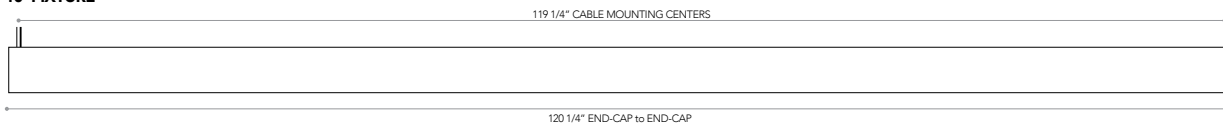
6' FIXTURE



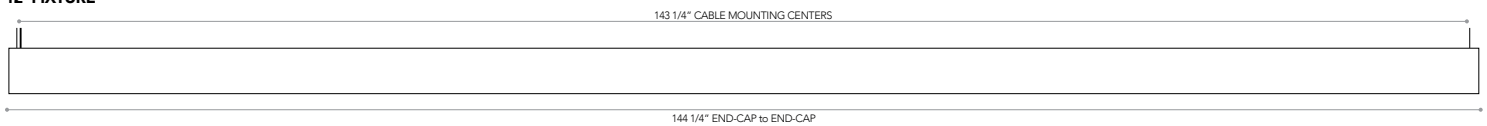
8' FIXTURE



10' FIXTURE

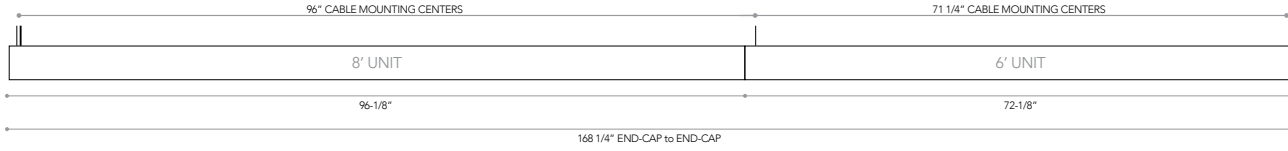


12' FIXTURE

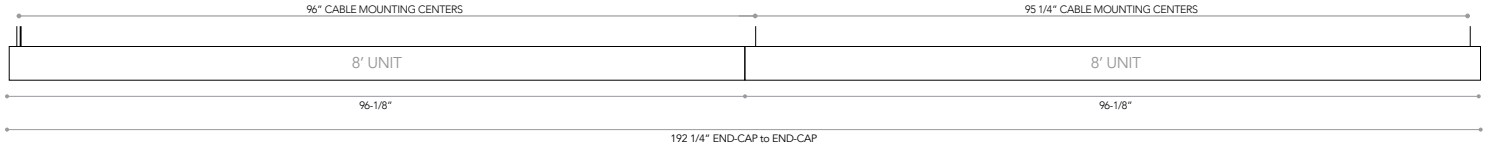


FIXTURE ROW LAYOUT: TWO UNITS 14' - 16'

14' FIXTURE



16' FIXTURE

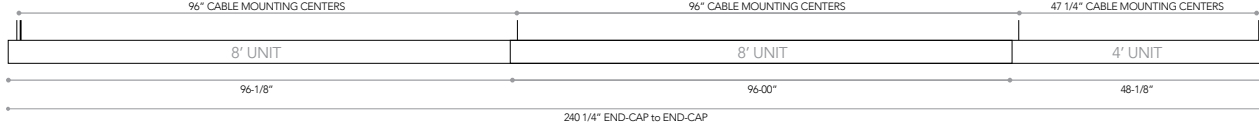


FIXTURE ROW LAYOUT: THREE UNITS 18' - 20' - 22' - 24'

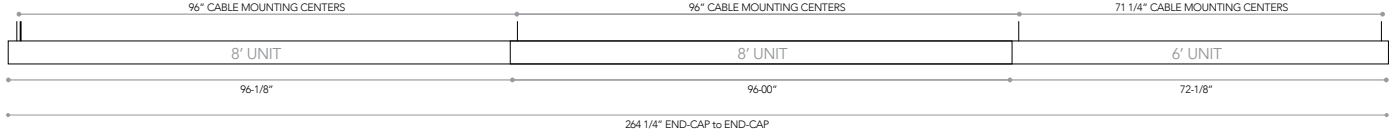
18' FIXTURE



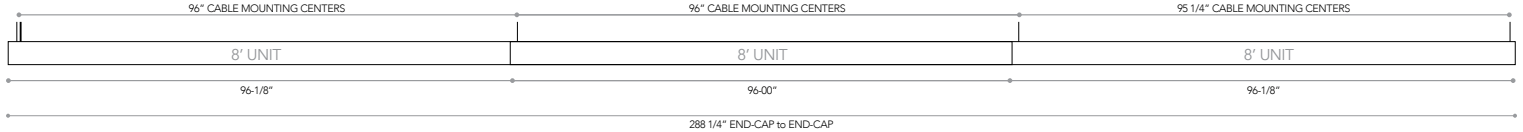
20' FIXTURE



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
FK	48 48" LENGTH	T1	ST STANDARD 0-10V DIMMING	WH WHITE	
	96 96" LENGTH	T9	EM	BLK BLACK	
	144 144" LENGTH	SC			
		HC			
		JB			