



DATE

PROJECT

COMMENTS

PRODUCT FEATURES

COMPACT FIXTURE HOUSING

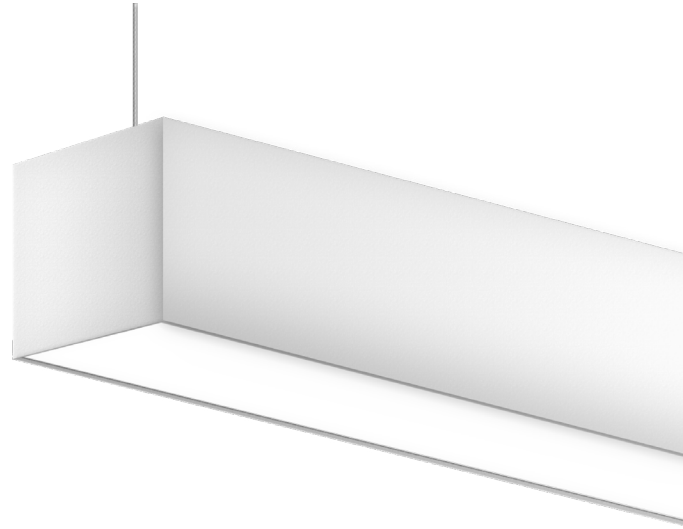
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ONE-PIECE EXTRUDED ALUMINUM HOUSING

One-Piece Extruded Aluminum Housing Ensures Straighter Rows and Consistent Lens Retention

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

94-96 LUMENS PER WATT



ORDERING GUIDE EX: 3S - 24 - LD - 35 - T1 - WH - CB96 - EM[1]

SERIES	LENGTH	OUTPUT	CCT	MOUNTING	FINISH	CORD/CABLE
3S	XX FT 2" INCREMENTS MAX 72" EX: 4' = 04	HD 1000 LM/FT MD 750 LM/FT LD 500 LM/FT	30 3000K 35 3500K 40 4000K	T1 1" T GRID T9 9/16" T GRID SC SCREW SLOT GRID HC HARD CEILING JB JUNCTION BOX MOUNT	WH WHITE BLK **BLACK **WHITE FEED CORD & COVER PLATE STANDARD; SEE OPTIONS FOR BLACK FINISH	CB48 48" FEED CORD & COVER PLATE: CB96 96" FEED CORD & COVER PLATE CB144 144" FEED CORD & COVER PLATE:

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

OPTIONS

OPTIONS	QUANTITY PER RUN
BC BLACK FEED CORD & COVER PLATE	
EM *EMERGENCY BATTERY PACK (ADD QUANTITIES BELOW)	
EC EMERGENCY CIRCUIT (ADD QUANTITIES BELOW)	
WW WALL WASH	
EM EMERGENCY BATTERY PACK	QUANTITY PER RUN
EC EMERGENCY CIRCUIT	QUANTITY PER RUN

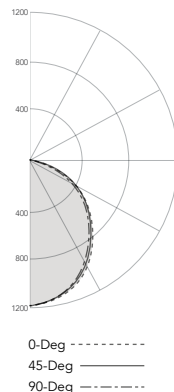
*NOT AVAILABLE IN 2' FIXTURES

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.
WALL WASH NOT AVAILABLE WITH EM BATTERY PACK.

PHOTOMETRICS

3S-04-MD-30

Total Lumens: 3,052
Ratio: 0% Up and 100% Down
Wattage: 31.80
Efficacy: 96.00 (Lumens Per Watt)
Fixture Length: Four Feet

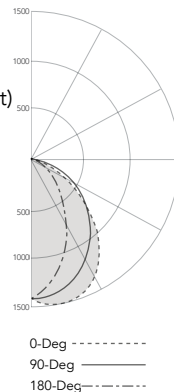


ZONAL LUMEN SUMMARY

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: 3,308
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	10.40	7.95	5.48
LUMENS/FT	980.75	763.00	524.25
LUMENS/W	94.30	96.00	95.80

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.

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 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:

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.

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). Two alignment pins ensure the outer extruded aluminum rails are aligned, while two draw-screws secure housing-to-housing attachment.

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 & 8-foot fixtures.

Mounting Method/Hardware:

The 3S is designed for lay-in grid ceilings or "Hard" sheet rock construction. Hard ceiling installations can be supplied for overlapping flange.

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.

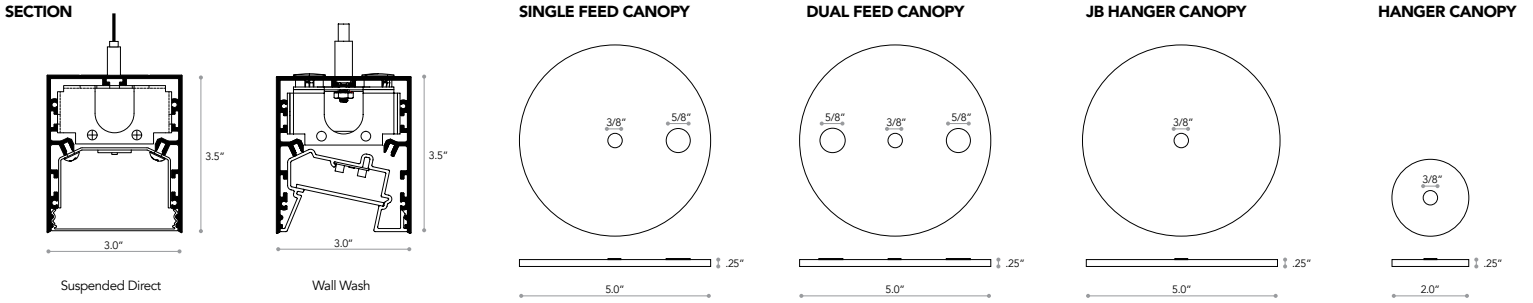
Made in the USA

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

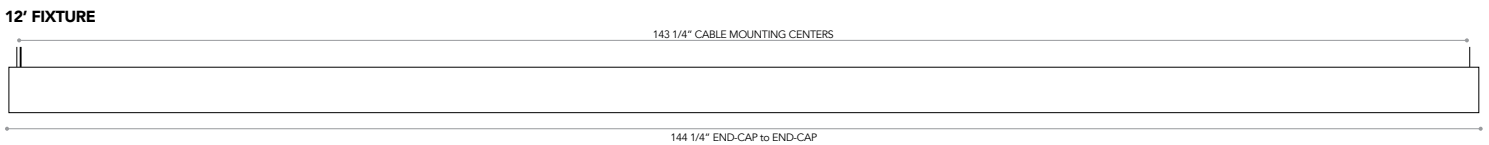
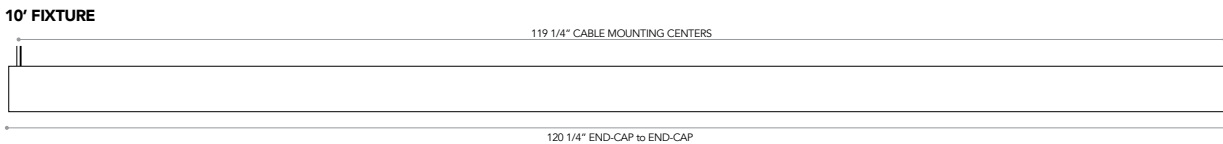
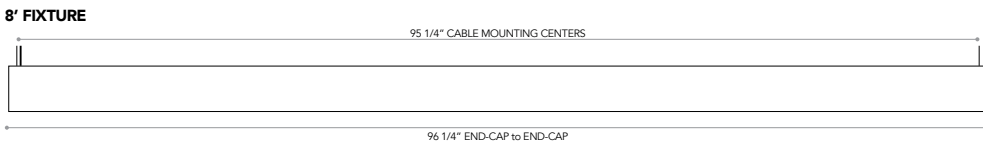
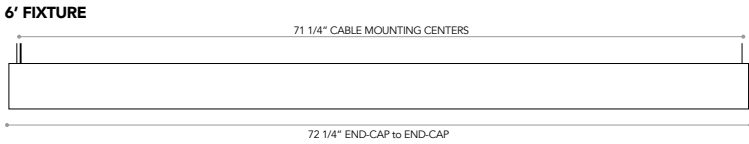
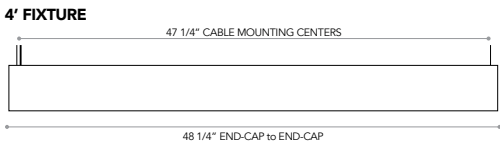
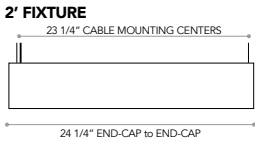
On Site Installation Notes:

Fixtures will be supplied as individuals with the appropriate hardware kits to join two fixtures together for specified on-site row(s) length. End trims at joint will need to be removed and discarded before joining together. Extended end trim kits will need to be ordered separately as required per on-site row specifications. Please see row chart for grid specific length needed for each row length. Break off notches provided to eliminate need to cut to length. Joiner kits for "grid" applications are to be assembled to the outside of the fixture housing. "See assembly instructions" joiner kits for over lapping flange applications are to be assembled to inside of the fixture housing.

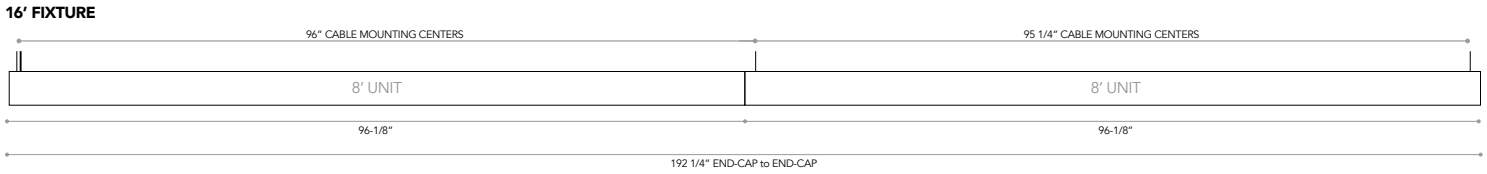
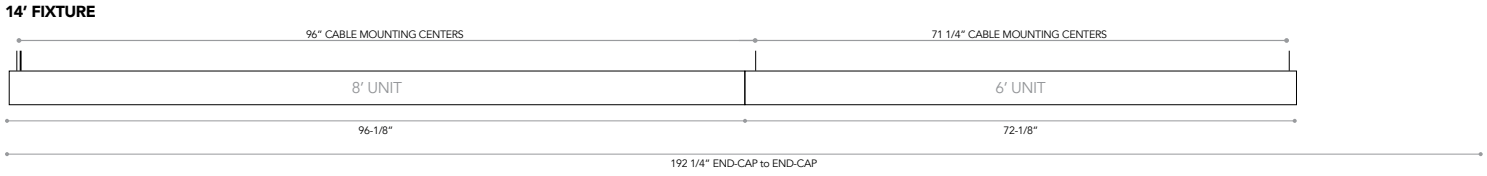
MOUNTING DETAILS



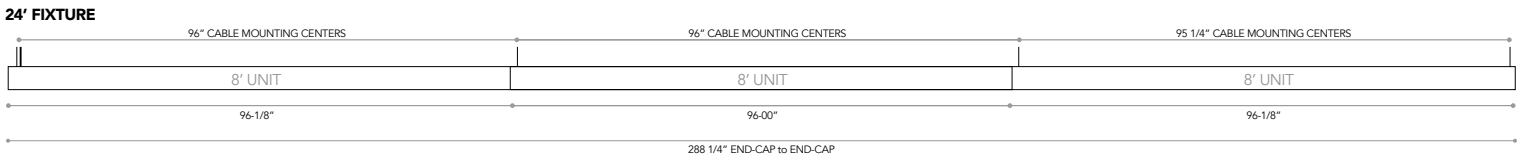
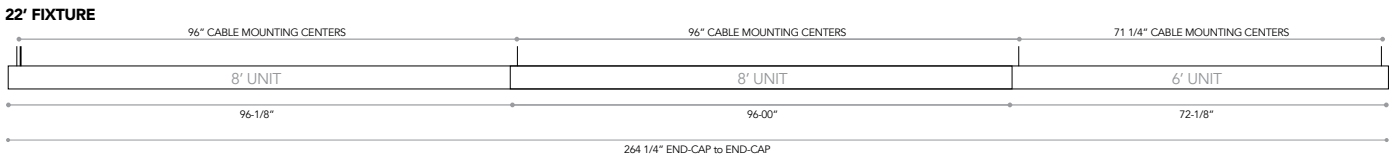
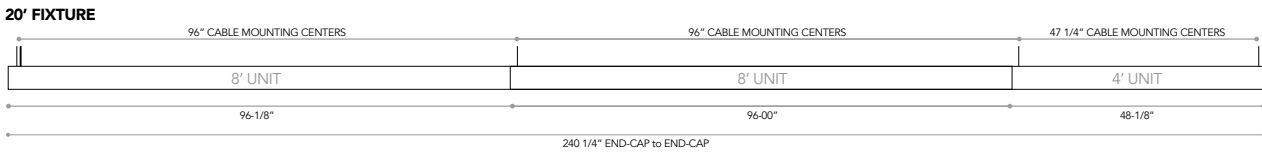
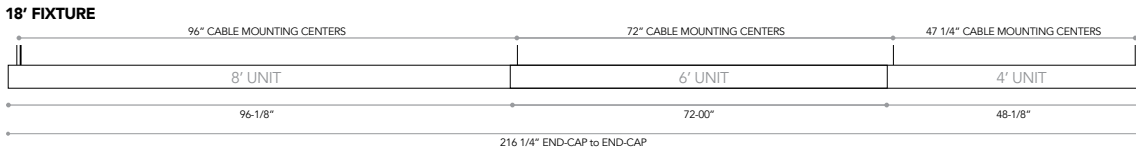
FIXTURE ROW LAYOUT: SINGLE UNIT 2' - 4' - 6' - 8' - 10' - 12'



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
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			