



DATE

PROJECT

COMMENTS

PRODUCT FEATURES

COMPACT FIXTURE HOUSING

Width: 3.0" Height: 4.5"

INDIRECT ILLUMINATION

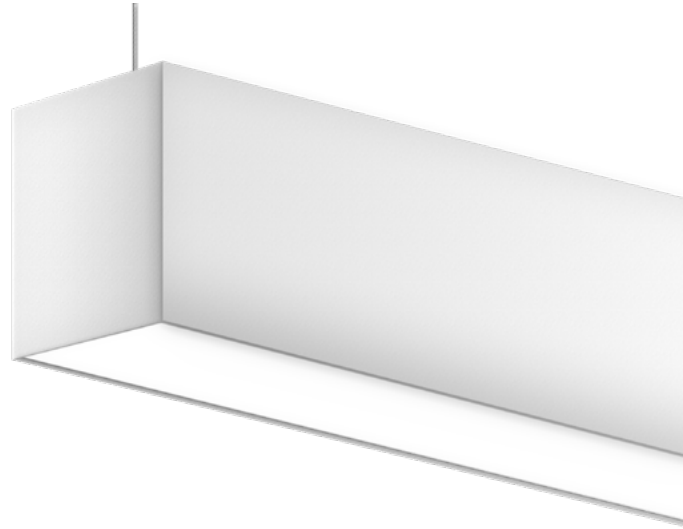
In-Direct Illumination Across a Ceiling Allows for Wider Spacing Between Fixtures

ONE-PIECE EXTRUDED ALUMINUM HOUSING

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

0-10 VOLT DIMMING TO 1% STANDARD

94-112 LUMENS PER WATT



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

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

OPTIONS

ADD OPTIONS

CB96 96" FEED CORD & COVER PLATE

CB144 144" FEED CORD & COVER PLATE

SS-U/D SEPARATE SWITCHING UP/DOWN

BC BLACK FEED CORD & COVER PLATE

EM *EMERGENCY BATTERY PACK (ADD QUANTITIES BELOW)

EC EMERGENCY CIRCUIT (ADD QUANTITIES BELOW)

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	SS-U/D	BLK BLACK	
	144 144" LENGTH	SC	EM		
		HC			
		JB			

EM	QUANTITY PER RUN	EC	QUANTITY PER RUN
EMERGENCY BATTERY PACK		EMERGENCY CIRCUIT	

*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.

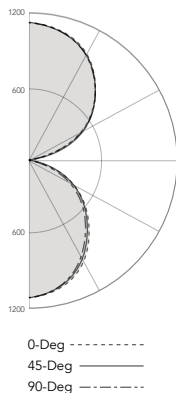
PHOTOMETRICS

3SID-04-MU-MD-30

Total Lumens: 5,983
Ratio: 50% Up and 50% Down
Wattage: 55.9
Efficacy: 107.0 (Lumens Per Watt)
Fixture Length: Four Feet

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	855	14.3
0 - 40	1371	22.9
0 - 60	2336	39.0
0 - 90	2904	48.5
90 - 120	504	8.4
90 - 130	1035	17.3
90 - 150	2203	36.8
90 - 180	3079	51.5
0 - 180	5983	100.0



ENERGY CONSUMPTION WATTS PER LINEAR FOOT

	HU-HD	HU-MD	HU-LD
WATTS/FT	18.60	15.87	13.27
LUMENS/FT: OVERALL	1935.75	1729.25	1498.75
LUMENS/FT: UPPER	998	1003	1006
LUMENS/FT: LOWER	937	726	492
LUMENS/W	104.10	108.90	112.90
	MU-HD	MU-MD	MU-LD
WATTS/FT	16.70	13.97	11.40
LUMENS/FT: OVERALL	1703.50	1495.75	1260.75
LUMENS/FT: UPPER	766	769	768
LUMENS/FT: LOWER	937	770	492
LUMENS/W	102.00	107.00	110.60
	LU-HD	LU-MD	LU-LD
WATTS/FT	14.90	12.15	9.60
LUMENS/FT: OVERALL	1466.25	1252.75	1019.00
LUMENS/FT: UPPER	525	525	527
LUMENS/FT: LOWER	942	726	492
LUMENS/W	98.40	94.30	106.40

OPERATION

Light Engine:

The 3SID 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.

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 3SID 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 (unassembled for continuous rows/ assembled "hard wired" to an individual unit) four wire line volt & two wire low volt feed cords. Normal/em fixture drivers will be wired to "black" switched hot lead with a "red" un-switched 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. If unit is specified with SS U/D "separate switching up/down" a separate feed cord will be supplied with feed conductors applicable to feed the un-switched hot to EM packs.

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. Option is intended to power/control both upper and downward apertures. One driver up and one driver down per fixture section typical. If unit is specified with SS U/D "separate switching up/down" a feed cord(s) will be supplied with conductors applicable to feed the EC section.

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 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, while two draw-screws secure housing-to-housing attachment.

Lengths:

The 3SID 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:

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 3SID 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 ¼-40 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.

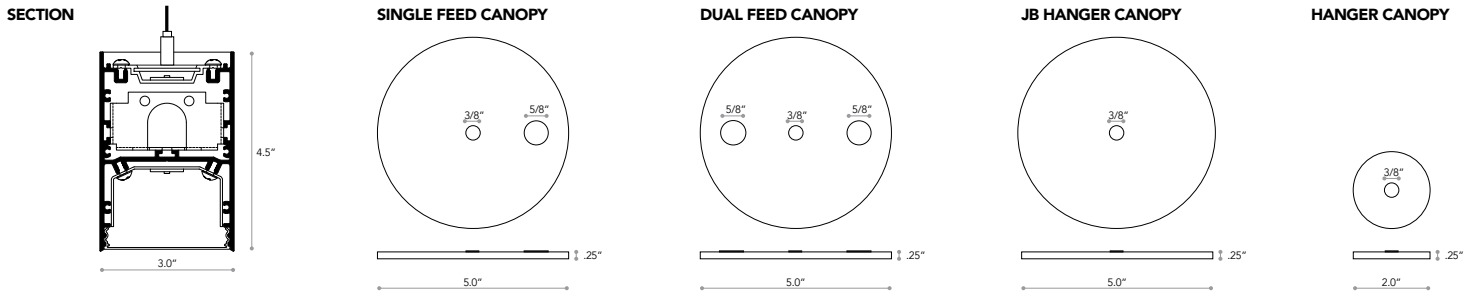
Made in the USA

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

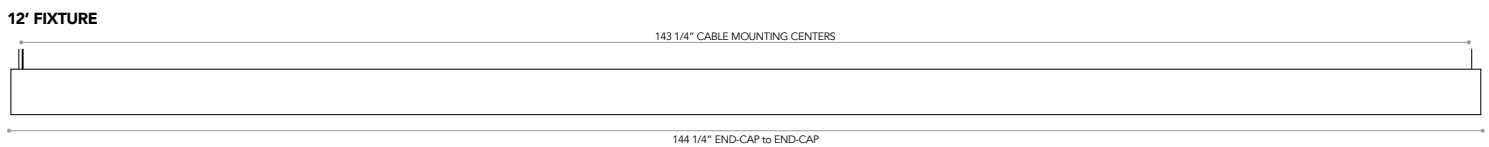
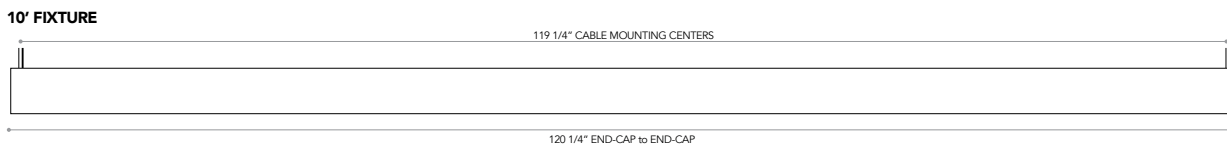
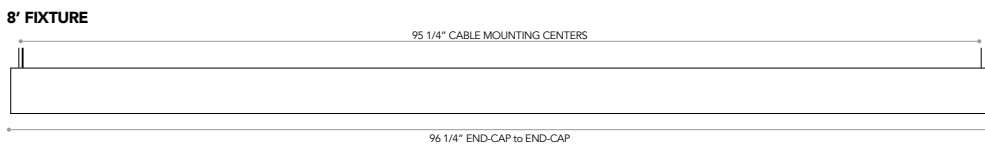
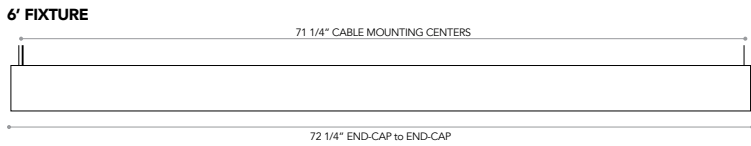
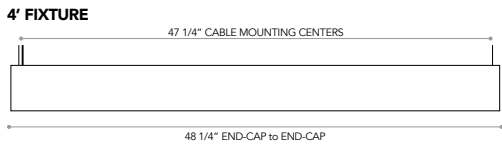
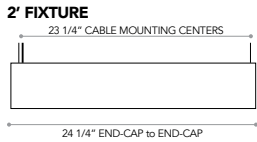
On Site Installation Notes:

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.

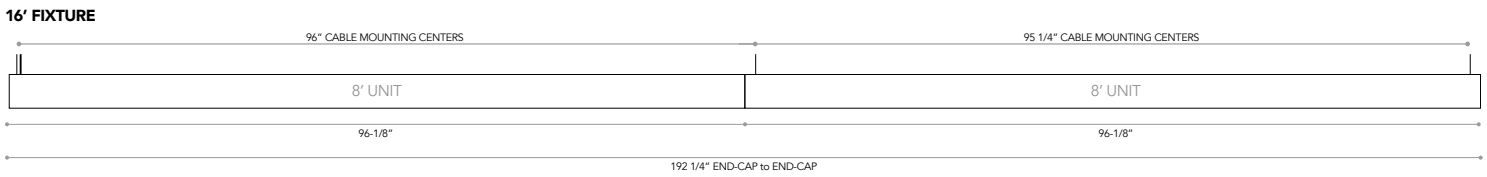
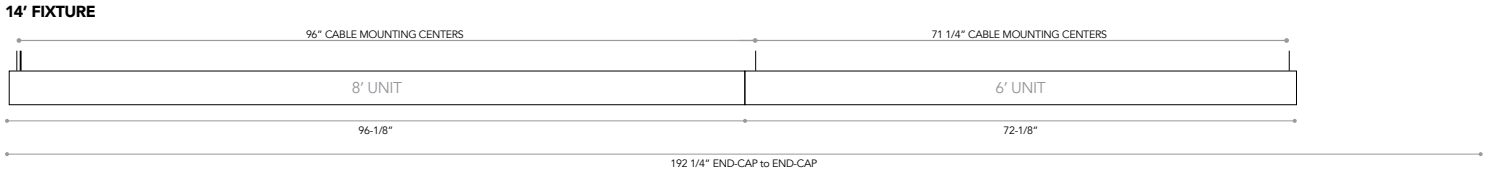
MOUNTING DETAILS



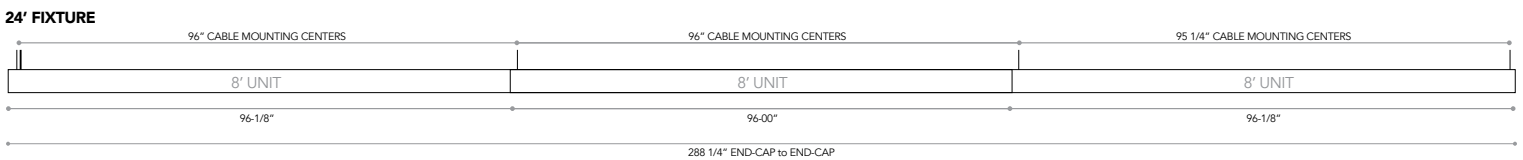
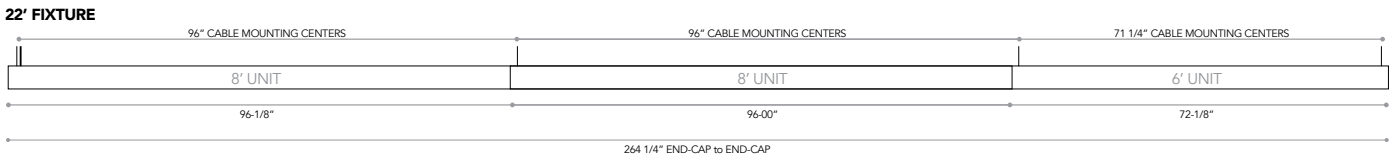
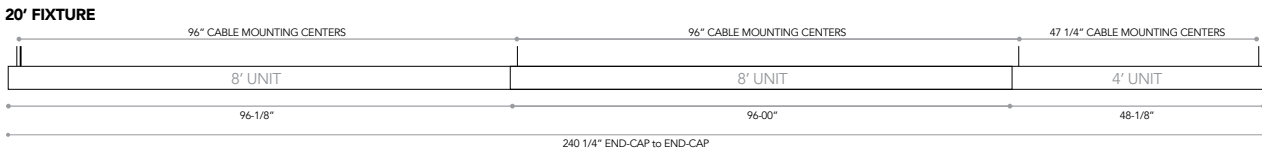
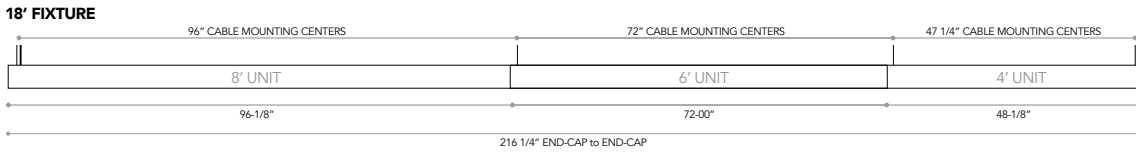
FIXTURE ROW LAYOUT: SINGLE UNIT 2' - 4' - 6' - 8' - 10' - 12'



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