



DATE

PROJECT

COMMENTS

PRODUCT FEATURES

COMPACT FIXTURE HOUSING

Width: 5.0" Height: 4.5" One-Piece Extruded Housing Ensures Straighter Rows and Consistent Lens Retention.

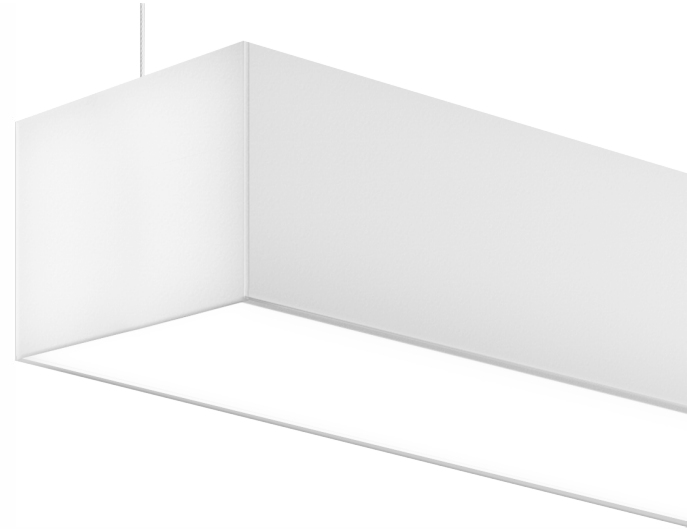
INDIRECT ILLUMINATION

We offer Three Indirect Illumination Options:

- Standard Lambertian Optics
- Upgraded Batwing Optic to Provide an Even Illumination Across a Ceiling.
- Illuminated Edge Lens provides an architectural glow to the top and bottom of the fixture.

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

UP TO 137 LUMENS PER WATT



ORDERING GUIDE EX: 5SID - 04 - HU - HD - 30 - T1 - WH - EM[1]

SERIES	LENGTH	UPPER OUTPUT	LOWER OUTPUT	CCT	MOUNTING	FINISH
5SID	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	BLK¹ BLACK
		LU 500 LM/FT	LD 500 LM/FT	40 4000K	SC SCREW SLOT	¹ WHITE FEED CORD & COVER PLATE STANDARD; SEE OPTIONS FOR BLACK FINISH
					HC HARD CEILING	
					JB JUNCTION BOX MOUNT	

OPTIONS

OPTION	DESCRIPTION	QUANTITY PER RUN
SS-U/D	SEPARATE SWITCHING UP/DOWN	
EM²	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	
UE	UPPER ILLUMINATED EDGE	
BW	UPPER BATWING	

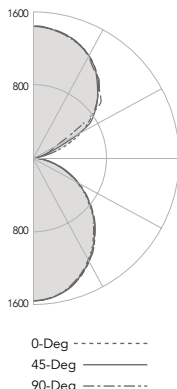
ROW CONFIGURATION & CUSTOMIZATION
PLEASE SEE THE INSTALLATION INSTRUCTIONS FOR ROW CHART GRID SPECIFIC LENGTH NEEDED FOR EACH ROW LENGTH. SEE PAGE 3 FOR CUSTOM FIXTURE ROW ACCESSORIES

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.
²NOT AVAILABLE IN 2' FIXTURES.

PHOTOMETRICS

5SID-04-HU-HD-30-XX-WH

Total Lumens: 7973
Ratio: 50% Up and 50% Down
Wattage: 61.5
Efficacy: 129.60 (Lumens Per Watt)
Fixture Length: Four Feet



ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1182	14.8
0 - 40	1903	23.9
0 - 60	3260	40.9
0 - 90	4068	51.0
90 - 120	562	7.1
90 - 130	1249	15.7
90 - 150	2771	34.7
90 - 180	3905	49.0
0 - 180	7973	100.00

ENERGY CONSUMPTION

WATTS PER LINEAR FOOT

	HU-HD	HU-MD	HU-LD
WATTS/FT	15.16	13.33	11.06
lm/FT: OVERALL	1963	1730	1485
LUMENS/FT: UPPER	974	974	974
LUMENS/FT: LOWER	989	756	511
LUMENS/W	126	130	134
	MU-HD	MU-MD	MU-LD
WATTS/FT	13.74	11.46	9.19
lm/FT: OVERALL	1705	1472	1227
LUMENS/FT: UPPER	716	716	716
LUMENS/FT: LOWER	989	756	511
LUMENS/W	124	128	133
	LU-HD	LU-MD	LU-LD
WATTS/FT	11.82	9.55	7.27
lm/FT: OVERALL	1471	1238	993
LUMENS/FT: UPPER	482	482	482
LUMENS/FT: LOWER	989	756	511
LUMENS/W	124	130	137

OPERATION

Light Engine:

The 5SID 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. The Upper Illuminated Edge extruded acrylic lens creates an illuminated reveal which gives a unique, sharp look to the luminaire.

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 5SID 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" 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:

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. 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. 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).

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 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.

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 5SID 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 5SID 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.

Manufactured in the USA

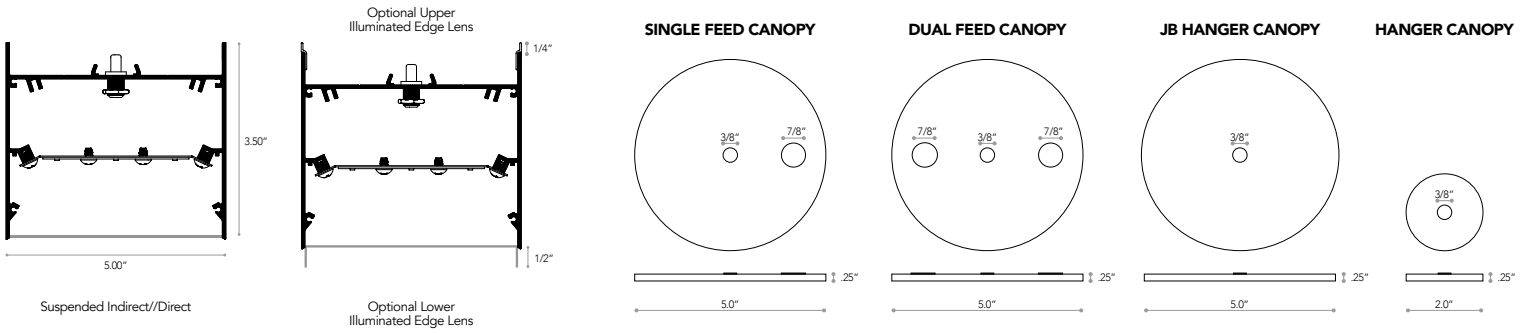
All ALL Luminaires and Components (except LED boards, drivers, and end caps) are proudly manufactured and assembled in the USA.

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.

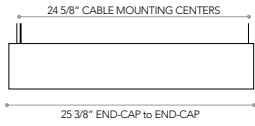
MOUNTING DETAILS

SECTION

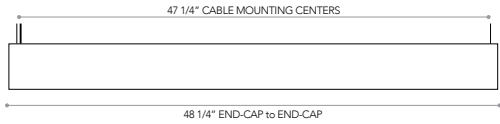


FIXTURE ROW LAYOUT: SINGLE UNIT 2' - 4' - 6' - 8' - 10' - 12'

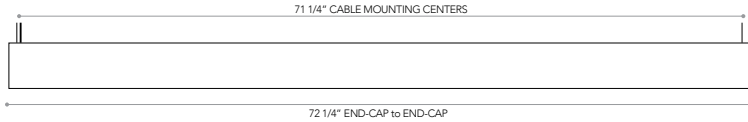
2' FIXTURE



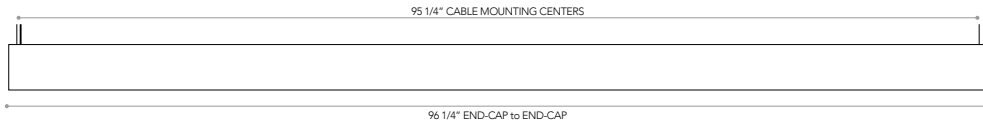
4' FIXTURE



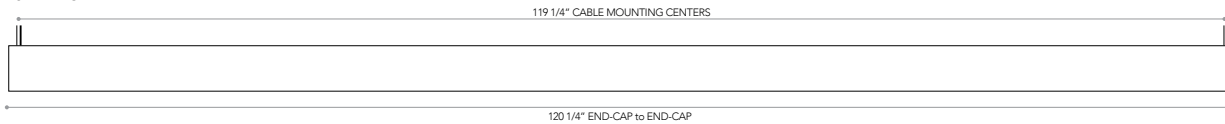
6' FIXTURE



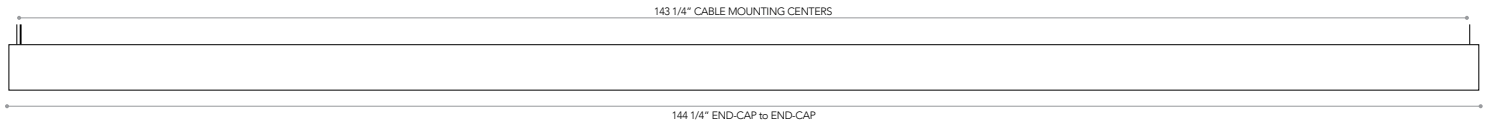
8' FIXTURE



10' FIXTURE

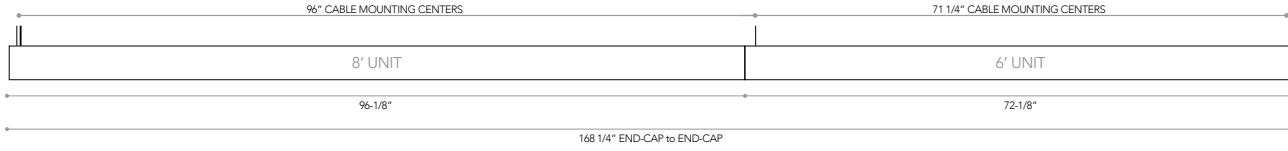


12' FIXTURE

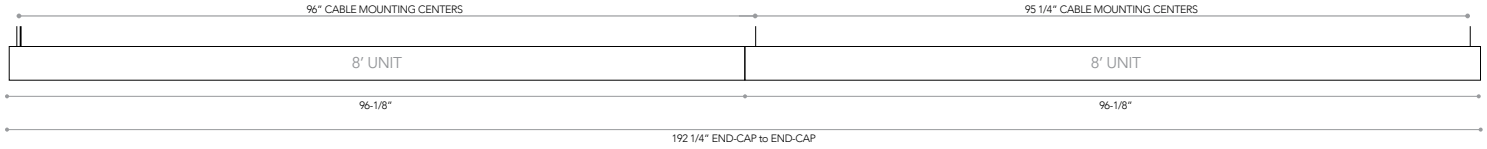


FIXTURE ROW LAYOUT: TWO UNITS 14' - 16'

14' FIXTURE

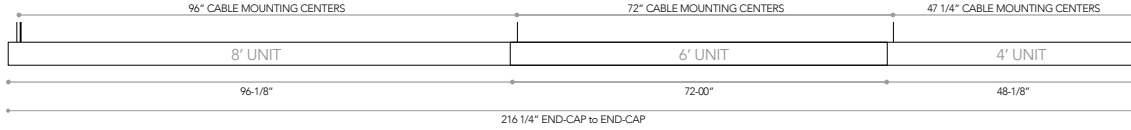


16' FIXTURE

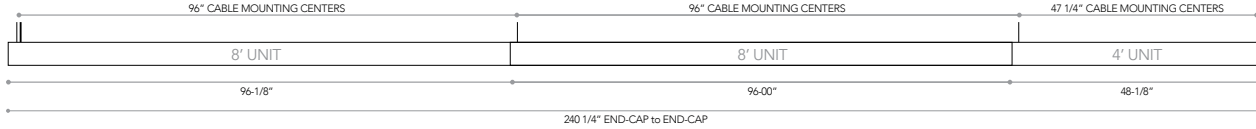


FIXTURE ROW LAYOUT: THREE UNITS 18' - 20' - 22' - 24'

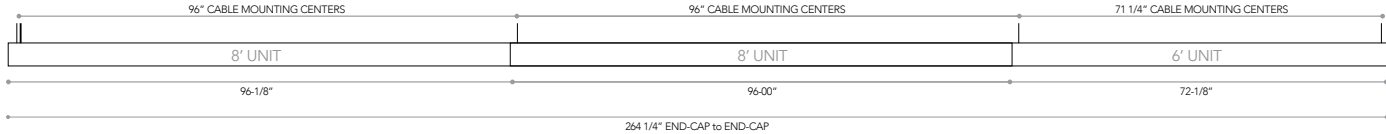
18' FIXTURE



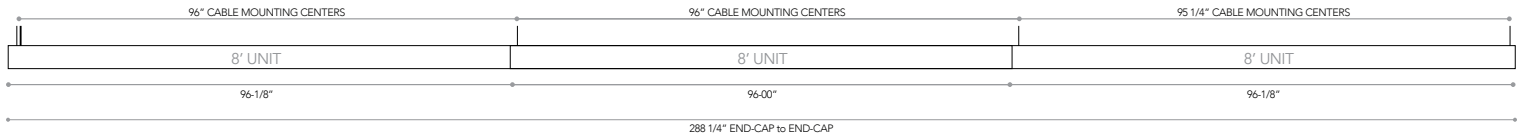
20' FIXTURE



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