



DATE

PROJECT

COMMENTS

PRODUCT FEATURES

COMPACT FIXTURE HOUSING

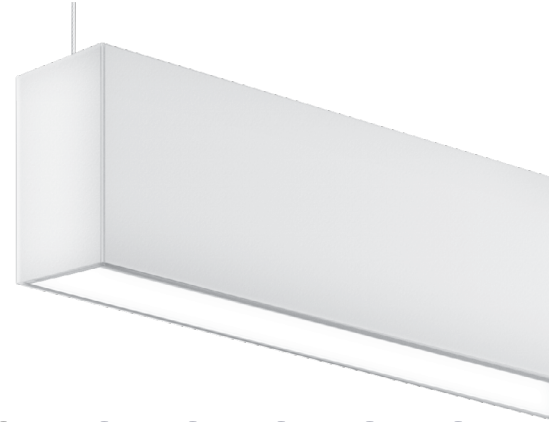
Width: 2.0" Height: 4.0" One-Piece Extruded Housing Ensures Straighter Rows and Consistent Lens Retention.

INDIRECT ILLUMINATION

We offer Three Indirect Illumination Options: Standard Lambertian Optics can now be Upgraded with a Batwing Optic to Provide an Even Illumination Across a Ceiling and an 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 129 LUMENS PER WATT



ORDERING GUIDE EX: 2SID - 04 - HU - HD - 30 - UNV - T1 - WH - 010 - EM[1]

SERIES	LENGTH	UPPER OUTPUT	LOWER OUTPUT	CCT	VOLTAGE	MOUNTING	FINISH
2SID	XX FEET 2' INCREMENTS OVERALL FIXTURE LENGTH EX: 20' = 20	HU 1000 LM/FT	HD 1000 LM/FT	30 3000K	UNV 120V-277V	T1 1" T GRID	WH WHITE
		MU 750 LM/FT	MD 750 LM/FT	35 3500K		347 347V	T9 9/16" T GRID
		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	
		CU CUSTOM UP EX: CU1250=1250LM/FT	CD CUSTOM DOWN EX: CD1250=1250LM/FT		HC HARD CEILING		JB JUNCTION BOX MOUNT

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 INDIRECT,
1200 LM/FT DIRECT.

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' & 4' FIXTURES.
⁵PLEASE 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
	ENL ³ ENLIGHTENED

SS-U/D SEPARATE SWITCHING UP/DOWN

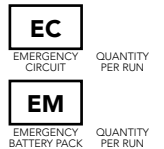
EM ⁴ EMERGENCY BATTERY PACK (ADD QUANTITIES ON THE RIGHT)
EC EMERGENCY CIRCUIT (ADD QUANTITIES ON THE RIGHT)
CB96 96" FEED CORD & COVER PLATE

CB144 144" FEED CORD & COVER PLATE

BC BLACK FEED CORD & COVER PLATE
LE LOWER ILLUMINATED EDGE
BW UPPER BATWING

UE UPPER ILLUMINATED EDGE

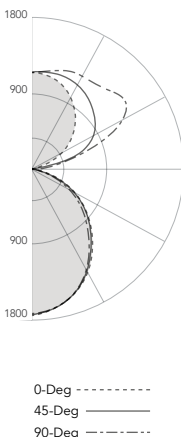
HE HIGH EFFICIENCY
AU ASYMMETRIC UPLIGHT
SP ⁵ SPECIAL PRODUCT CONFIGURATION



PHOTOMETRICS

2SID-04-HU-HD-30-WH-BW

Total Lumens: 8,004
Ratio: 50% Up and 50% Down
Wattage: 64.5
Efficacy: 124.10 (Lumens Per Watt)
Fixture Length: Four Feet

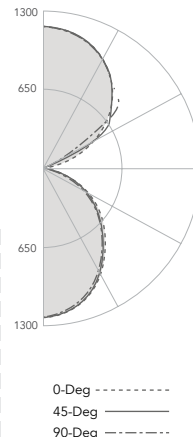


ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1199	15
0 - 40	1913	23.9
0 - 60	3228	40.3
0 - 90	3849	50
90 - 120	1139	14.2
90 - 130	1874	23.4
90 - 150	3161	39.5
90 - 180	4001	50
0 - 180	8001	100.00

2SID-04-HU-HD-30-WH

Total Lumens: 8,165
Ratio: 50% Up and 50% Down
Wattage: 64.8
Efficacy: 126 (Lumens Per Watt)
Fixture Length: Four Feet



ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1196	14.7
0 - 40	1907	23.4
0 - 60	3219	39.6
0 - 90	3988	49.0
90 - 120	554	6.8
90 - 130	1293	15.9
90 - 150	2929	36.0
90 - 180	4148	51.0
0 - 180	8136	100.00

ENERGY CONSUMPTION

WATTS PER LINEAR FOOT

	HU-HD	HU-MD	HU-LD
WATTS/FT	16.20	14.15	12
LM/FT: OVERALL	2034	1798	1548
LUMENS/FT: UPPER	1037	1037	1037
LUMENS/FT: LOWER	997	761	511
LUMENS/W	126	127	129
	MU-HD	MU-MD	MU-LD
WATTS/FT	14.23	12.13	10.1
LM/FT: OVERALL	1778	1543	1292
LUMENS/FT: UPPER	781	781	781
LUMENS/FT: LOWER	997	761	511
LUMENS/W	125	127	128
	LU-HD	LU-MD	LU-LD
WATTS/FT	12.4	10.33	8.13
LM/FT: OVERALL	1526	1290	1039
LUMENS/FT: UPPER	528	528	528
LUMENS/FT: LOWER	997	761	511
LUMENS/W	123	125	128

OPERATION

Light Engine:

The 2SID 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 2SID 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) a 6 Wire feed cord. 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 85,000 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.

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 minimalist look of this luminaire.

Alignment/Assembly:

The alignment system employs a seven-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 a vertical draw-screw secures housing-to-housing attachment.

Lengths:

The 2SID 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:

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 2SID 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 1/4-20 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 2SID 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.

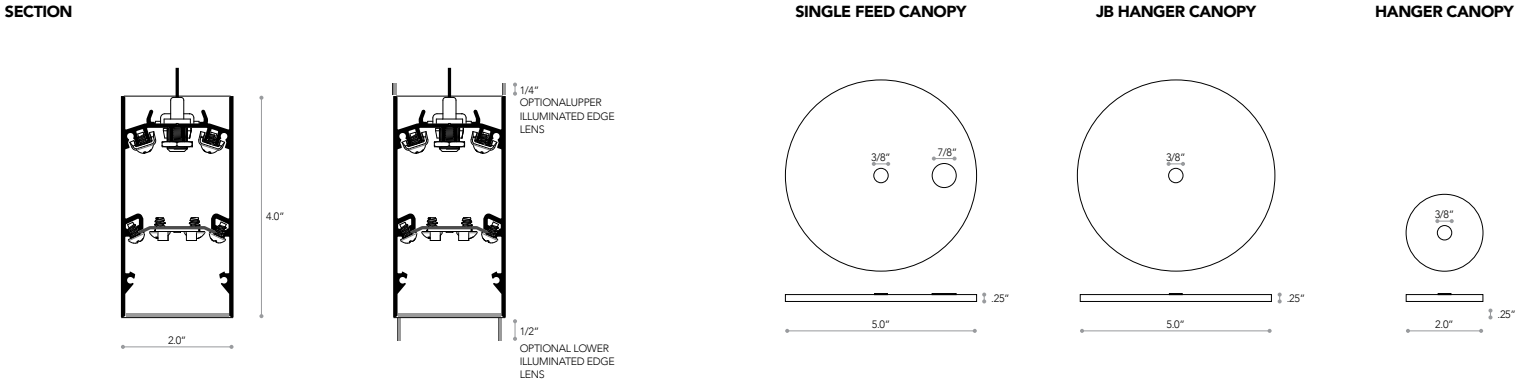
Manufactured in the USA

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:

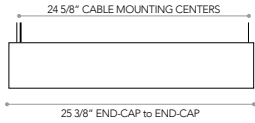
Fixtures will be supplied with the appropriate hardware kits to join two fixtures together for specified on-site row(s) length. Please see row chart for grid specific length needed for each row length.

MOUNTING DETAILS

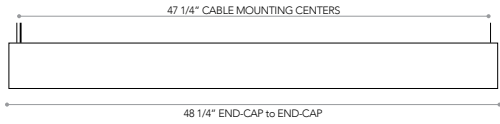


FIXTURE ROW LAYOUT: SINGLE UNIT 2' - 4' - 6' - 8' - 10' - 12'

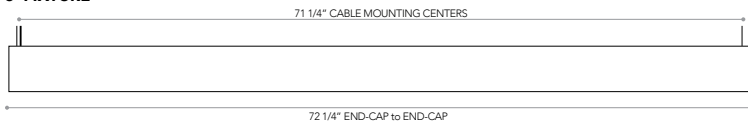
2' FIXTURE



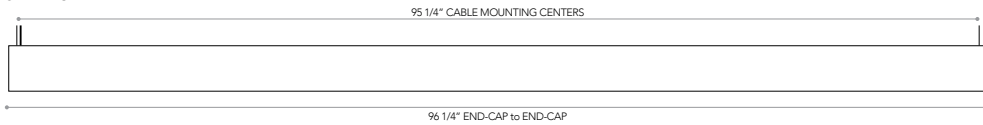
4' FIXTURE



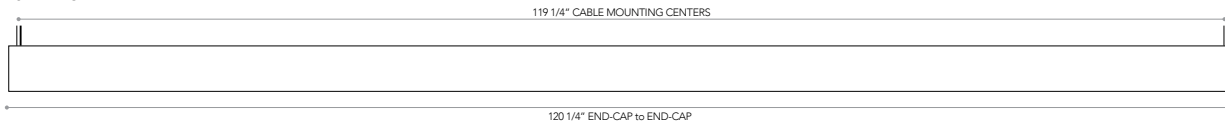
6' FIXTURE



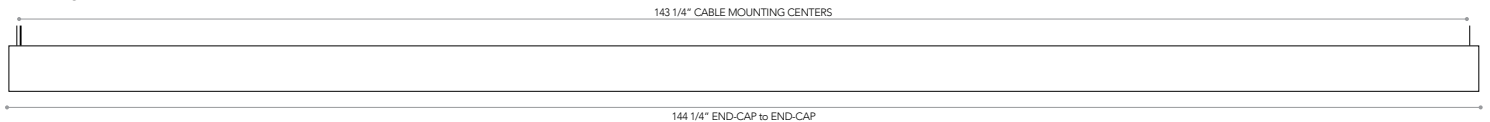
8' FIXTURE



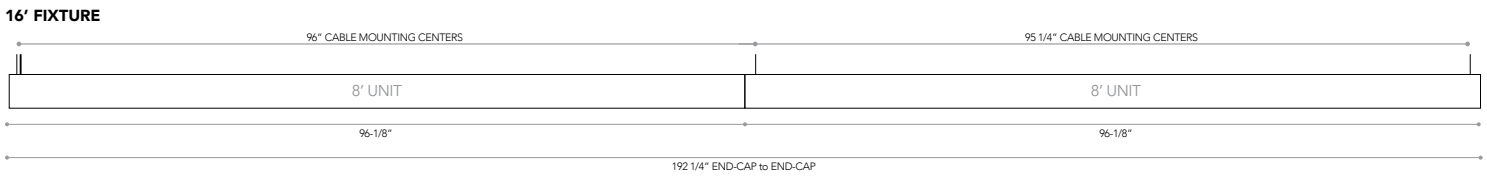
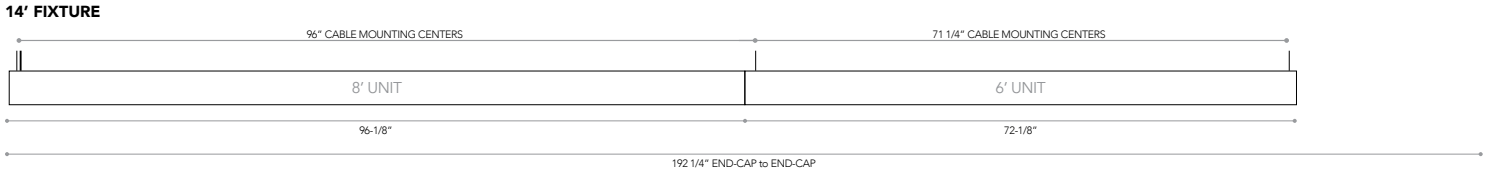
10' FIXTURE



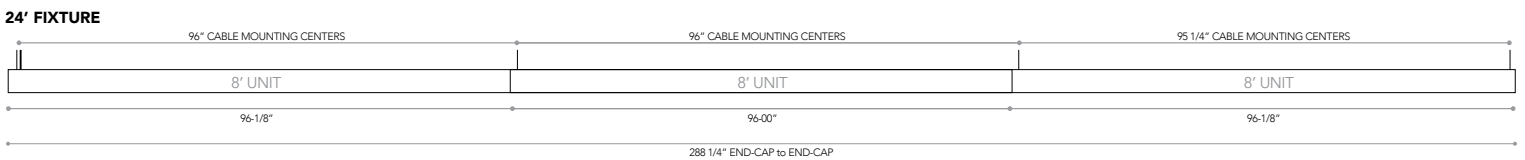
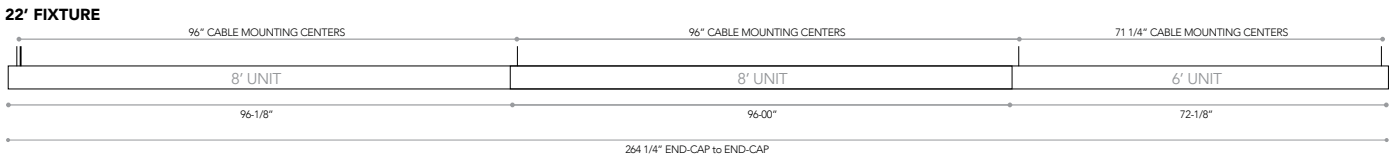
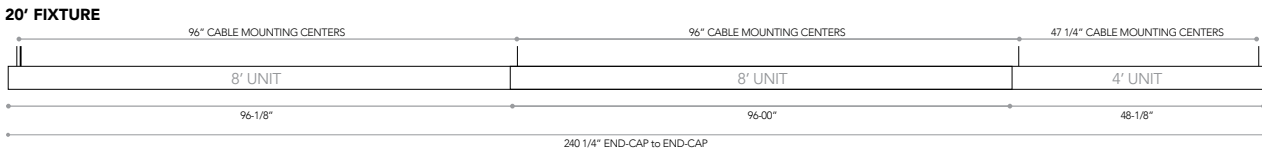
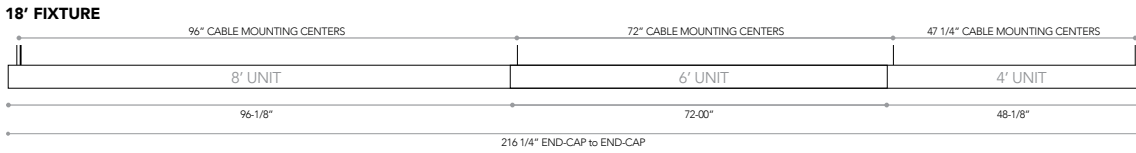
12' FIXTURE



FIXTURE ROW LAYOUT: TWO UNITS 14' - 16'



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