

# CHUTE Suspended & Surface



# CHUTE AC CABLE INSTALLATION



## **☆**

## 1 LAYOUT

Lay out mounting and J-Box locations.

## Mount Spacing Aircraft Cable Examples

		•
Mount Spacing A	Д	-

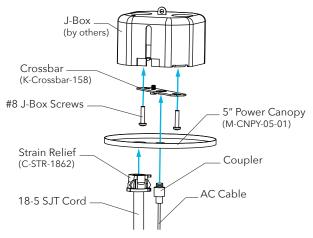
Individual Fixture

_		_	_	
	Mount Spacing A	Mount Spacing B	Mount Spacing A	
	First Fixture	Middle Fixtures	End Fixture	

	ı	I
FIXTURE	Α	В
2′	23-9/16"	24"
3′	35-9/16"	36"
4′	47-9/16"	48"
5′	59-9/16"	60"
6′	71-9/16"	72"
7′	83-9/16"	84"
8′	95-9/16"	96"

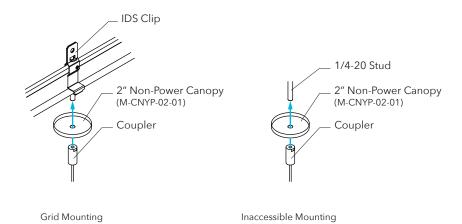
## with strain relie

Install crossbar to J-Box (by others). Run SJT cord through canopy, secure with strain relief, and make wiring connections inside of J-Box. Feed aircraft cable through coupler, secure canopy to crossbar using coupler.



## **NON-POWER MOUNT**

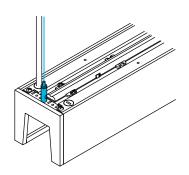
Install 1/4-20 stud (by others) or IDS Clip (by others) for non-power mounts (1/2" below ceiling plane). Secure canopy to stud or IDS clip using coupler.



## 4 MOUNTING FIXTURE

**POWER SIDE MOUNT** 

Attach gripper to stud at each end of fixture. Level fixture. If part of a run, see page 5 for joining instructions.



# POWER OVER AC CABLE INSTALLATION



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## 1 LAYOUT

Lay out mounting and J-Box locations.

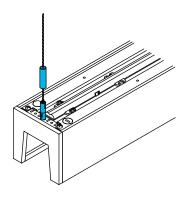
## Mount Spacing Aircraft Cable Examples

	_	
	Mount Spacing A	
ĺ	Individual Fixture	

Α
23-9/16"
35-9/16"
47-9/16"
59-9/16"
71-9/16"
83-9/16"
95-9/16"

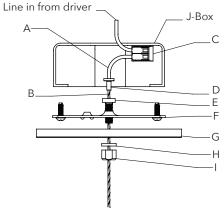
### FIXTURE MOUNTING

Unscrew and slide cover up. Insert the positive AC Cable into the Gripper labeled "+" and the negative AC Cable into the Gripper labeled "-". Level fixture. Trim AC Cable. Reinstall Cover.



## 2 CEILING SIDE MOUNTING

Slide insulation tube (A) onto cable stub (B) above swaged T sleeve (D) leaving 1/2" max. of cable stub exposed. Connect exposed cable stub to one of driver leads via WAGO (C) or similar connector inside J-Box. Feed free end of cable through insulated threaded sleeve (E) until swaged T sleeve (D) sits in insulated sleeve (E). Thread sleeve (E) and cable into bracket bar (F). Mount bracket bar assembly to J-Box. Feed free end of cable through canopy (G), plastic flat washer (H) and screw on cap (I) until canopy is firmly mounted to ceiling.



## IMPORTANT SAFETY INSTRUCTIONS

- a) Read all instructions.
- b) Do not conceal or extend exposed conductors through a building wall.
- c) Do not install this system in wet locations.
- d) To reduce the risk of fire and burns, do not install this lighting system where the exposed bare conductors can be shorted or contact any conductive materials.
- f) Do not install any luminaire closer than 6 in. (152mm) from any curtain, or similar combustible materials.
- g) Turn off electrical power before modifying the lighting system in any way.
- h) [For low voltage exposed insulated conductor systems required by 30.1(c):] Do not install any part of this system less than 7 ft (2.2m) above the floor.

## SAVE THESE INSTUCTIONS

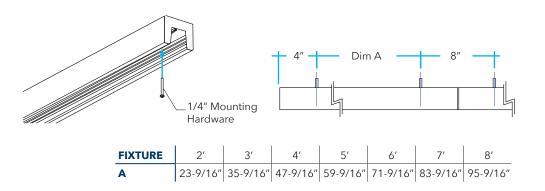
## SURFACE MOUNT INSTALLATION



## **☆**

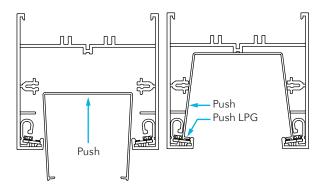
### MOUNTING FIXTURE

Install 1 remote box per fixture. Ensure proper support above fixture (see mounting chart). Using 1/4" hardware (by others), attach fixture to ceiling. If installing a run, see page 5 for joint details.



## 2 INSTALLING THE REFLECTOR

Starting at one end of the fixture, push the reflector into the opening of the housing until entirely inside. Starting on one side of the the reflector, push leg of reflector into place along entire length of reflector. Run finger along the Light Protection Guard (LPG) to make sure LPG is fully seated along the edge of the housing. Repeat on opposite leg of reflector.



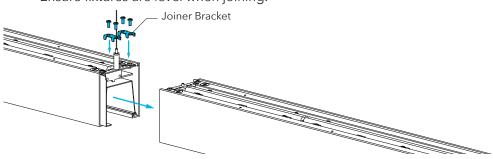
# CHUTE JOINT DETAILS





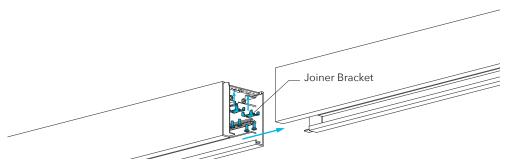
#### SUSPENDED JOINING

After first fixture in run is installed, remove joiner top cover from end of first fixture. Suspend second fixture at the opposite end (gripper installation may be required). Raise leading end of second fixture and make electrical connections between fixtures. Align to the second fixture and slide together. Secure fixtures together with supplied joiner brackets and screws. Ensure fixtures are level when joining.



#### **SURFACE MOUNT JOINING**

After first fixture in run is installed, secure opposite end of additional fixture with ¼-20 hardware. Raise leading end of additional fixture and make electrical connections between fixtures. Align to the second fixture and slide together. Secure fixtures together with supplied joiner brackets and screws. After fixtures are joined install reflectors, see previous page for details.



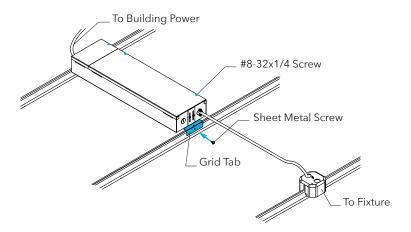
# STANDARD REMOTE DETAILS





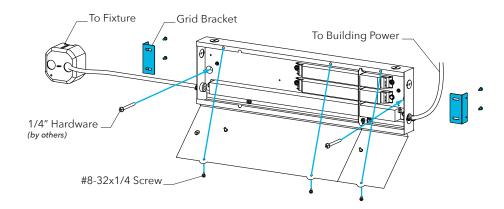
### STANDARD REMOTE BOX TO GRID

Place Remote Driver Box onto grid and bend grid tabs over securing with #8 Sheet Metal Screw. To open remote box remove three #8-32x1/4 screws on top of box. Use 1/2" Trade Knock out on high voltage side to connect to building power. Use 2' long Flexwhip to bring power to J-Box.



## 2 STANDARD REMOTE BOX TO SURFACE

Remove Grid Brackets on sides of Remote Driver Box. Open Remote Driver Box by removing three #8-32x1/4 screws on top of box. Install Remote Driver box to surface using 1/4" Mounting Hardware. Use 1/2" Trade Knock out on high voltage side to connect to building power. Use 2' long Flexwhip to bring power to J-Box.



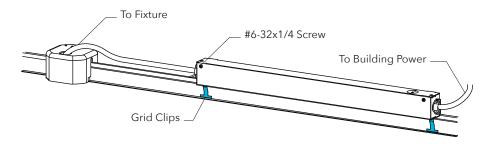
## CHUTE SLIM REMOTE DETAILS





#### **SLIM REMOTE BOX TO GRID**

Install slim remote driver box onto grid using pre-installed grid clips. To open remote box remove two #6-32x1/4 screws on top of box. Use 1/2" trade knockout on high voltage side to connect to building power. Use 2' long Flewwhip to bring power to J-Box.



### 2 SLIM REMOTE BOX TO SURFACE

Remove two grid brackets on back of remote driver box. Open remote driver box by removing two #6-32x1/4 screws on top of box. Install remote driver box to surface using 1/4" mounting hardware (by others). Using 1/2" trade knockout on high voltage side connect to building power. Use 2' long Flexwhip to bring power to J-Box.

