



Gaze | Round & Square

Powered Aircraft Cable

INSTALLATION INSTRUCTIONS



X1 — T-BAR / X3 — HARD CEILING



PRUDENTIAL LTG.

PRULITE.COM 213.746.0360

👤👤 MAY REQUIRE TWO PEOPLE TO INSTALL

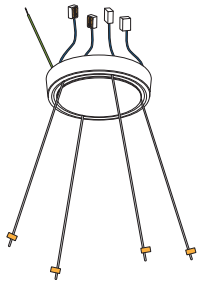
PART	PART NUMBER	DESCRIPTION	QTY
	100-00214-14	8-32 x 7/16" Phillips Pan Type F Screw (PAC R/S ONLY)	4
	100-00334-14	#6-32 x 3/8" Phillips Pan Head. Type F Screw	8

FIXTURE WEIGHTS:

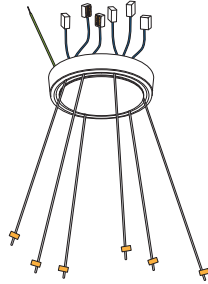
	18"	24"	36"
ROUND LED	17lbs	23lbs	44lbs
SQUARE LED	21lbs	28lbs	54lbs

RPM / SPM CANOPIES (SHIPPED ASSEMBLED):

4 CABLES

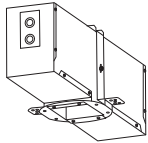


6 CABLES

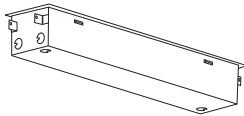


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DRIVER BOXES:

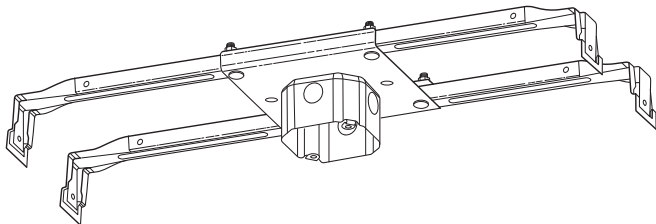


— PAC R/S — Direct Canopy Mount (X3 CEILINGS ONLY)



— RPAC R/S — Remote

CADDY FAN-FIXTURE ASSEMBLY FOR X1 CEILINGS (BY OTHERS):



WARNING: Ground fixture in accordance with local and national electrical codes. Failure to do so may result in serious personal injury.



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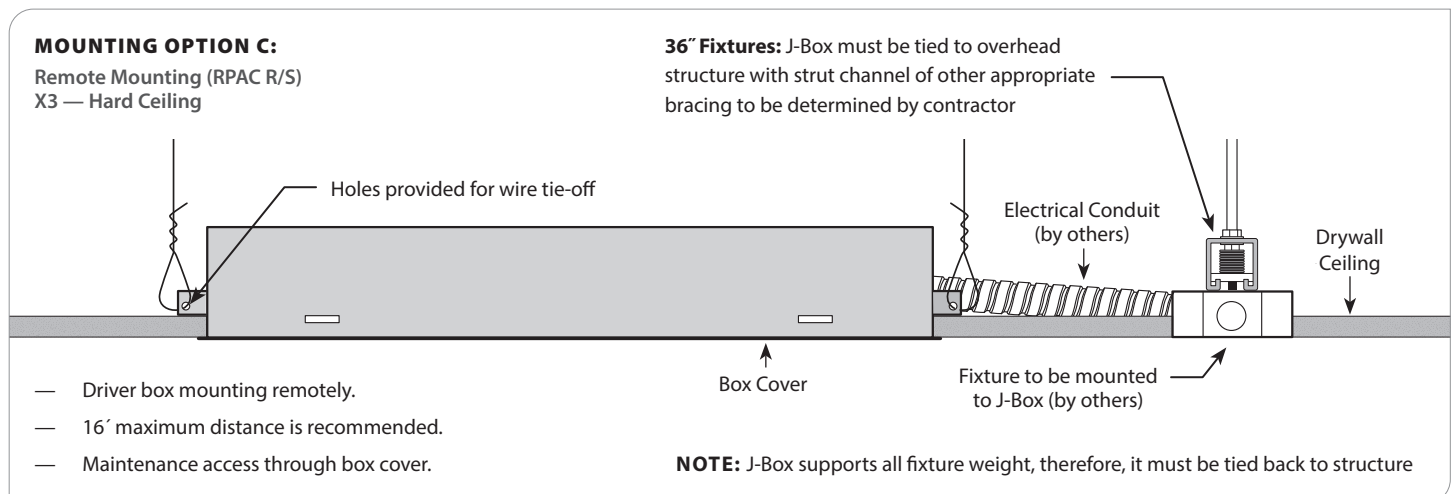
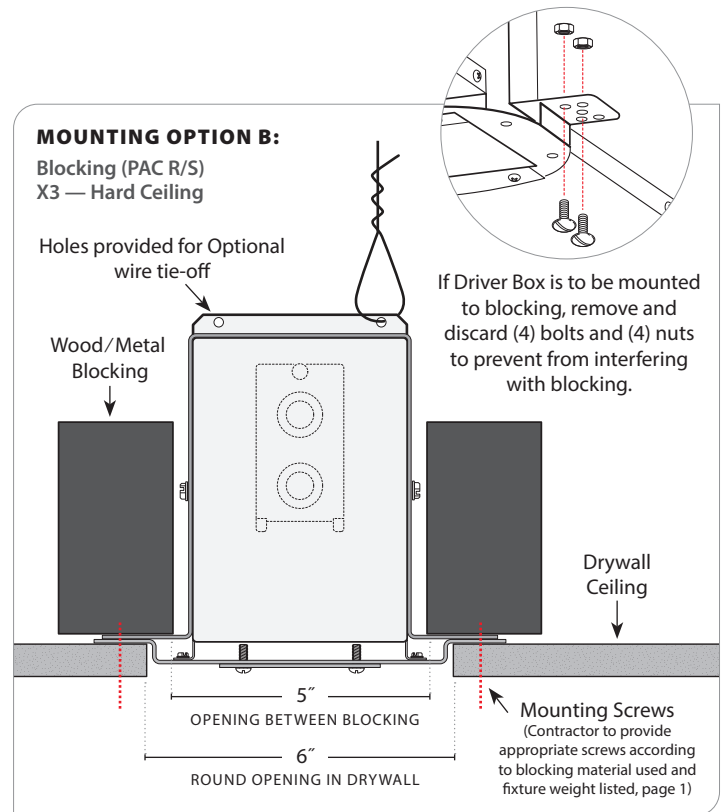
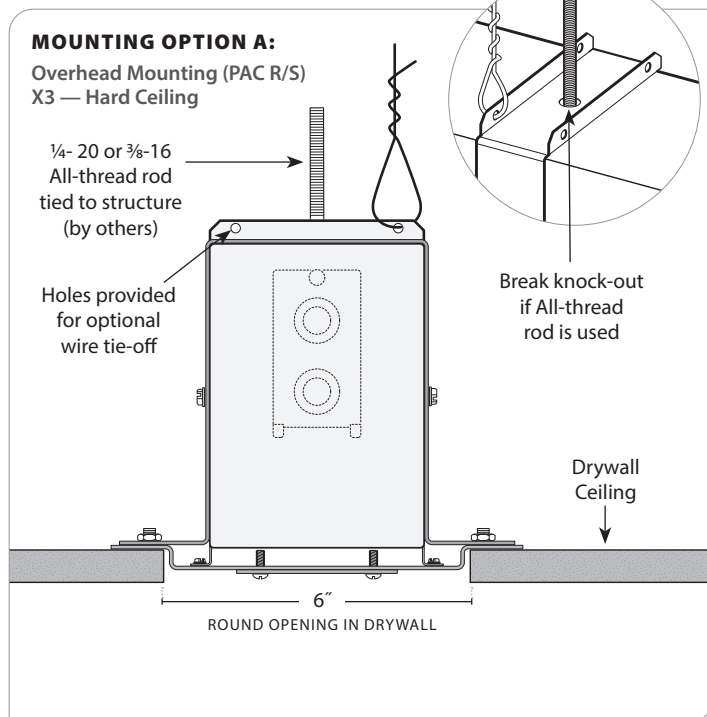
X1 — T-BAR / X3 — HARD CEILING

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GENERAL NOTES

- If mounting to hard ceiling, it is recommended to mount driver box before drywall is installed.
- If drywall is already installed, or if install is a remodel, a large enough opening will need to be cut in ceiling to mount driver box to structure according to your installation type (See mounting options A, B, C or D).
- Mounting options A, B and C are to be installed in hard ceiling only.
- Mounting option D is to be installed in t-bar ceiling.

1) INSTALL DIRECT CANOPY MOUNT



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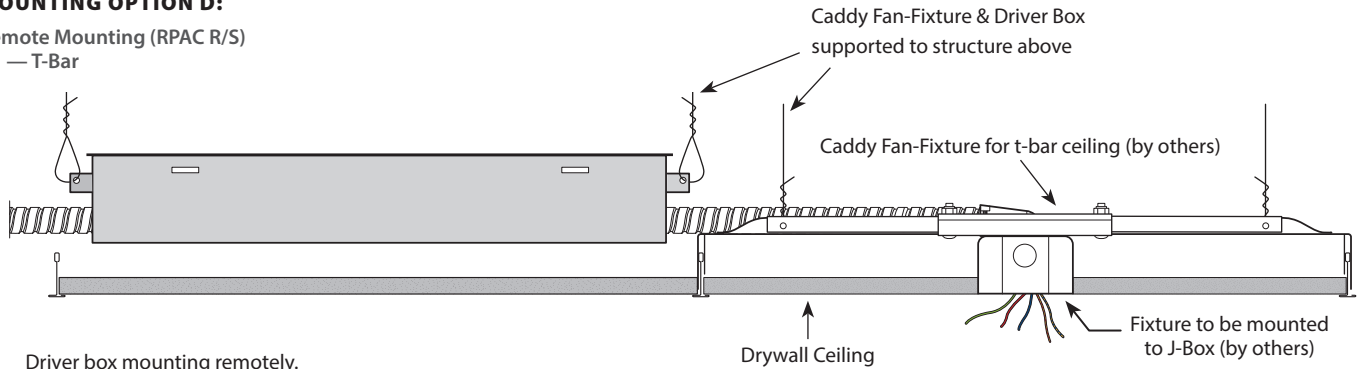
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MOUNTING OPTION D:

Remote Mounting (RPAC R/S)
X1 — T-Bar



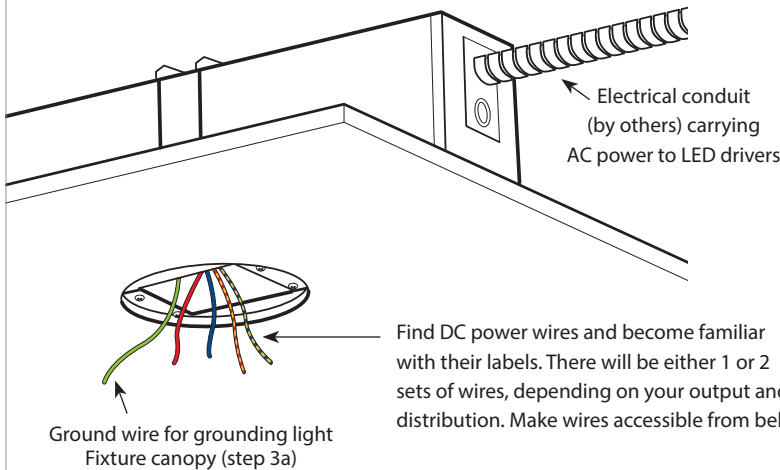
- Driver box mounting remotely.
- 16' maximum distance is recommended.
- Maintenance access through box cover.

NOTE: J-Box supports all fixture weight, therefore, it must be tied back to structure

2a) MAKE WIRING CONNECTIONS TO DRIVER BOX

MOUNTING OPTION A & B:

X3 — Hard Ceiling



Find DC power wires and become familiar with their labels. There will be either 1 or 2 sets of wires, depending on your output and distribution. Make wires accessible from below

WIRING:

- HOT : BLACK
- NEUTRAL : WHITE
- GROUND : GREEN
- CONSTANT HOT (EM) : RED

DC POWER WIRES (LOW VOLTAGE):

Label	Color	Description
DIR 1 +	RED	DIRECT LIGHT DRIVER 1 POSITIVE +
DIR 1 -	BLUE	DIRECT LIGHT DRIVER 1 NEGATIVE -
DIR 2 +	YELLOW/RED	DIRECT LIGHT DRIVER 2 POSITIVE +
DIR 2 -	YELLOW/BLUE	DIRECT LIGHT DRIVER 2 NEGATIVE -
INDIR +	RED/WHITE	INDIRECT LIGHT POSITIVE +
INDIR -	BLUE/WHITE	INDIRECT LIGHT NEGATIVE -

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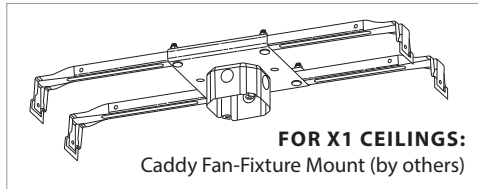
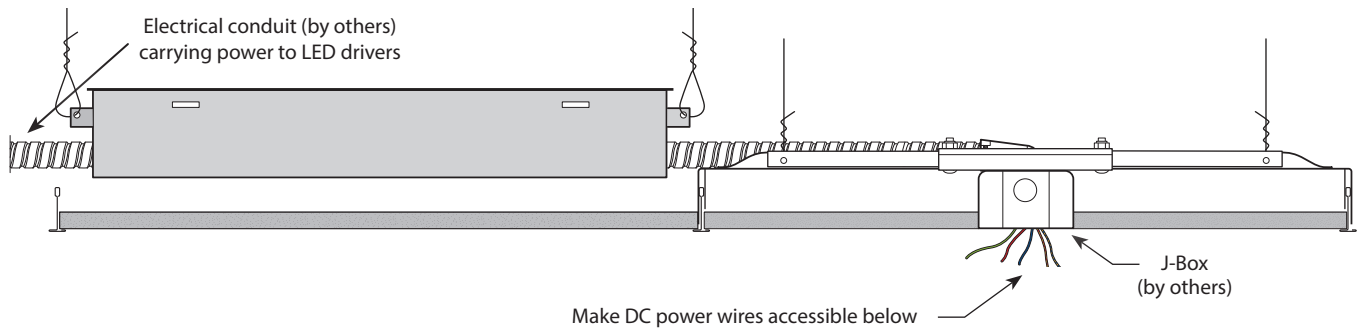
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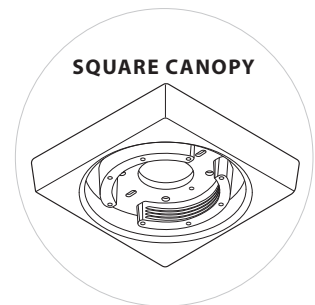
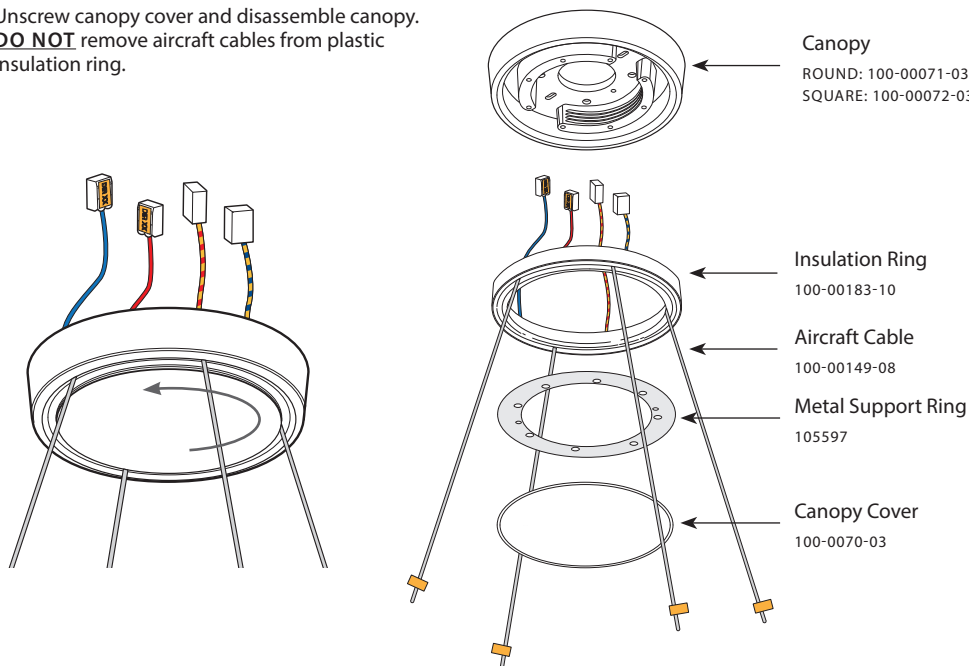
MOUNTING OPTION C & D:

- Route all DC power wires to J-Box located where light fixture is to be mounted.
- Some light fixtures may require multiple driver boxes. There will be a total of 1, 2, or 3 sets of wires depending on your output and distribution.
- 72" of wire will be provided. If remote distance is more than 72", additional wire will need to be provided by others. Wire labels will need to be duplicated at J-box.



2b) Once AC power has been wired driver box, drywall ceiling can be installed. Now you are ready to mount light fixture.

3) Unscrew canopy cover and disassemble canopy. **DO NOT** remove aircraft cables from plastic insulation ring.



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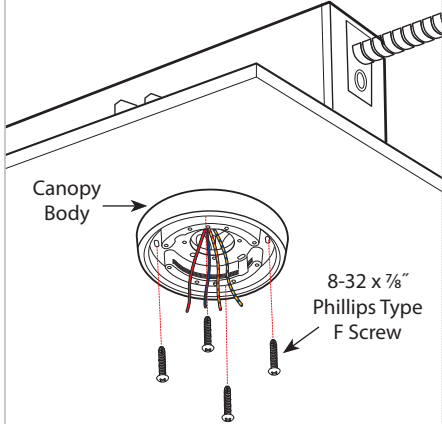
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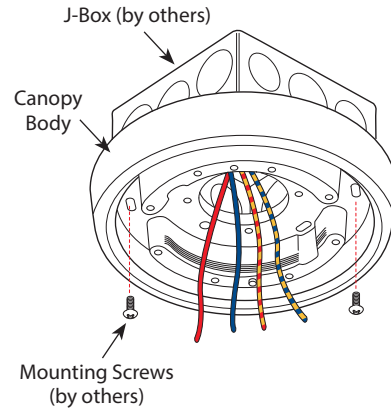
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4) Mount Canopy.

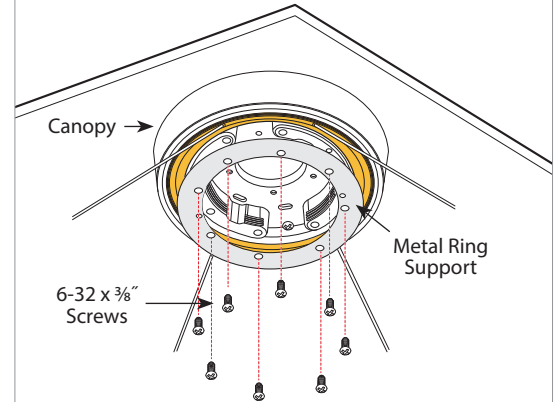
MOUNTING OPTION A & B:



MOUNTING OPTION C & D:

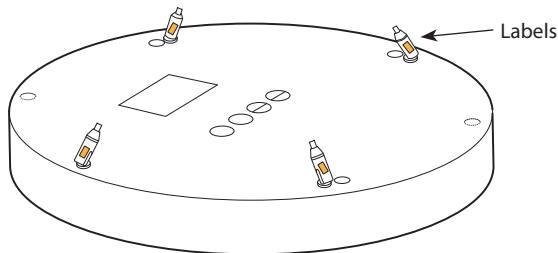


5) Replace plastic insulation ring with aircraft cables in canopy. Match up ID labels and make low voltage wire connections using wire connectors provided. Fasten metal support ring using (8) 6-32 x 3/8 inch screws provided.



THE REMAINING STEPS TO BE USED REGARDLESS OF WHICH MOUNTING OPTION IS USED

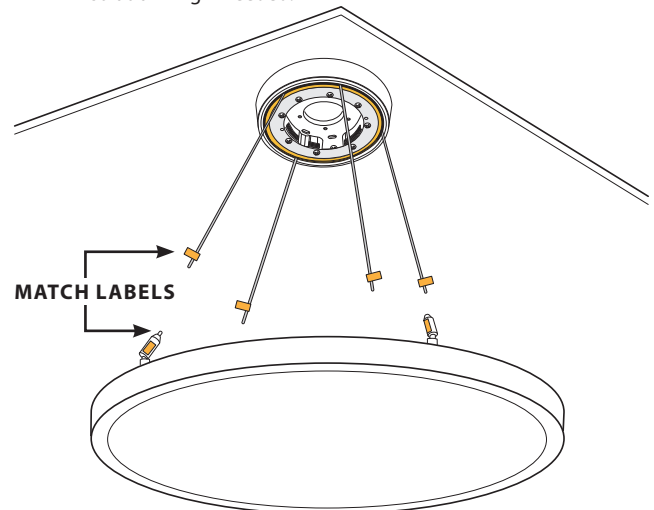
6) Locate ID labels on the cable grippers. You will need to know the order of the labels when performing the next installation steps.



GRIPPER ID LABELS

Label	Corresponding Low Voltage Wire	Description
DIR 1 +	RED	DIRECT LIGHT DRIVER 1 POSITIVE +
DIR 1 -	BLUE	DIRECT LIGHT DRIVER 1 NEGATIVE -
DIR 2 +	YELLOW/RED	DIRECT LIGHT DRIVER 2 POSITIVE +
DIR 2 -	YELLOW/BLUE	DIRECT LIGHT DRIVER 2 NEGATIVE -
INDIR +	RED/WHITE	INDIRECT LIGHT POSITIVE +
INDIR -	BLUE/WHITE	INDIRECT LIGHT NEGATIVE -
NO POWER	—	NON-POWERED CABLE

7) Using ID labels, match aircraft cable to gripper and hang fixture. Level and position fixture as desired. Aircraft cable position can be adjusted by sliding them within the slots of the plastic insulation ring if needed.



⚠️ DO NOT remove grippers.

DO NOT remove labels from grippers.

Crossing the powered aircraft cables may cause the fixture to not light. If fixture does not light see *Trouble Shooting*, page 6.

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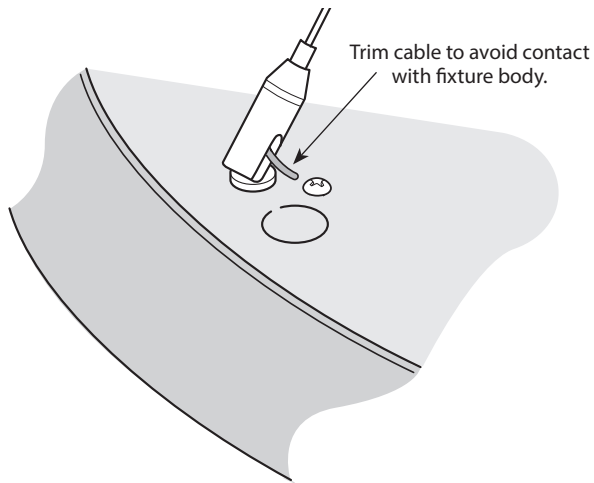


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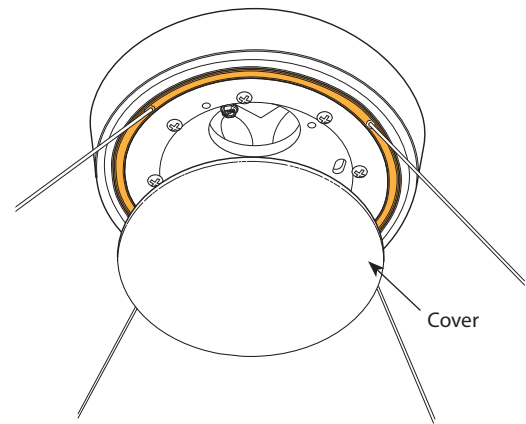
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- 8)** Once fixture is at it's final mounted height and level, trim excess cable. To avoid electrical short, be sure cable is not touching light fixture body.



- 9)** Screw on cover. **DO NOT** overtighten.



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TROUBLE SHOOTING



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IF LIGHT FIXTURE DOES NOT LIGHT UP

- Check aircraft cable is not making contact with any metal besides cable gripper (step 8).
- Double check that the low voltage wire color and ID labels match at the four following locations (Use 5A and 5B as reference).
Colored wires connected to LED drivers → Wire connector behind canopy cover → Aircraft cable → Cable gripper.
- With fixture powered on, use multimeter to check each set of powered aircraft cables.
Ensure you are checking a matching pair, i.e. "DIR 1+ and DIR 1-". You should get a voltage reading of 31 – 35 volts.
If you get a voltage reading higher or lower than this, you may have a poor connection somewhere.
- With fixture power on, use multimeter to check line voltage power to LED drivers.
- If the fixture still does not light up, contact the factory for further troubleshooting.

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