



# Gaze | Round & Square Powered Aircraft Cable

## INSTALLATION INSTRUCTIONS

### X1 — T-BAR — ON-GRID



PRUDENTIAL LTG.

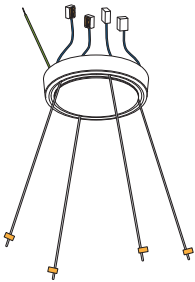
PRULITE.COM 213.746.0360

**MAY REQUIRE TWO PEOPLE TO INSTALL**

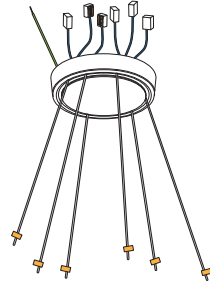
PART	PART NUMBER	DESCRIPTION	QTY
	100-00214-14	8-32 x 7/8" Phillips Pan Type F Screw (PAC R/S ONLY)	4
	100-00334-14	#6-32 x 3/8" Phillips Pan Head Type F Screw	8

#### RPM / SPM CANOPIES (SHIPPED ASSEMBLED):

##### 4 CABLES

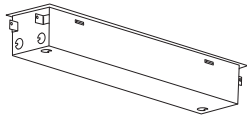


##### 6 CABLES



1

#### DRIVER BOXES:



— RPAC R/S — Remote

#### FIXTURE WEIGHTS:

	12"	18"	24"	36"	48"
<b>ROUND LED</b>	8lbs	17lbs	23lbs	44lbs	75lbs
<b>SQUARE LED</b>	9lbs	21lbs	28lbs	54lbs	100lbs

PART	PART NO.	DESCRIPTION	QTY
	100-00120-07	Install Assist Hook	2
	169515	Gaze SSC X1 Adaptor Yoke	2
	169516	Gaze SSC X1 Adaptor Sub Plate	1
	100-00050-14	Screw 8-32 x 7/8 TH MS Phil	4
	100-00128-14	Screw 8-32 x 5/8 Flat Phil Type F	8
		3/8" IPS Threaded Stem (Stems ordered over 8' will be provided in two pieces connected by a coupler)	1
	100-00058-20	Stem Coupler	1
	100-00010-14	Hex Nut 8-32 Plated	4
	100-00068-14	Washer 1/4" Internal Tooth	4
	100-00141-14	Screw 8 x 1/4 Slotted SMS Type B	2
	100-00005-14	Screw 1/4-20 x 3/8 Round HD	2
	100-00255-14	Lock Washer 1/4-20 Keps	2

**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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## Powered Aircraft Cable

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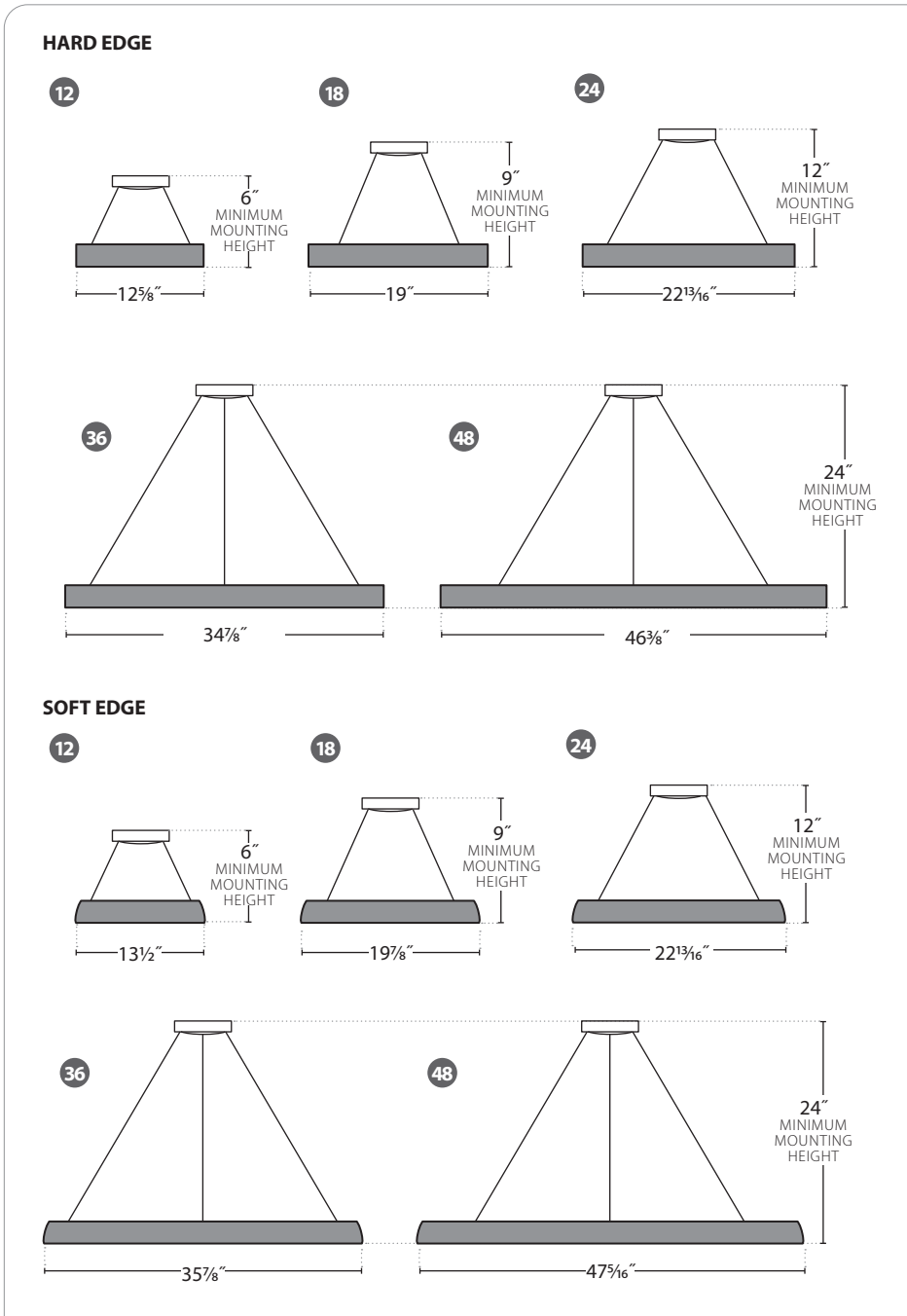


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#### RPM/SPM CANOPY MINIMUM MOUNTING HEIGHT



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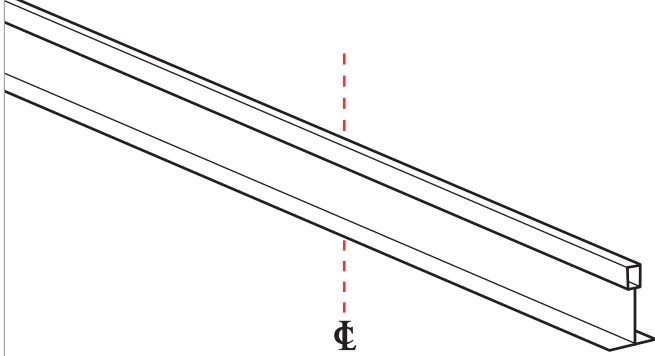


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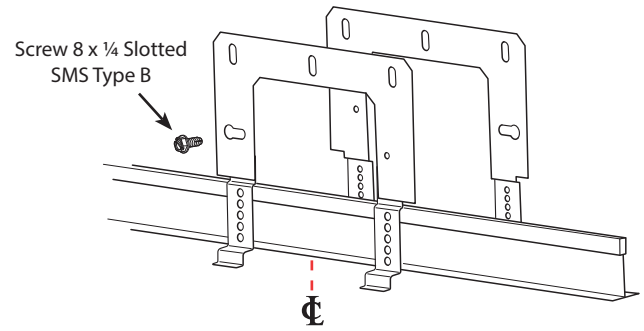
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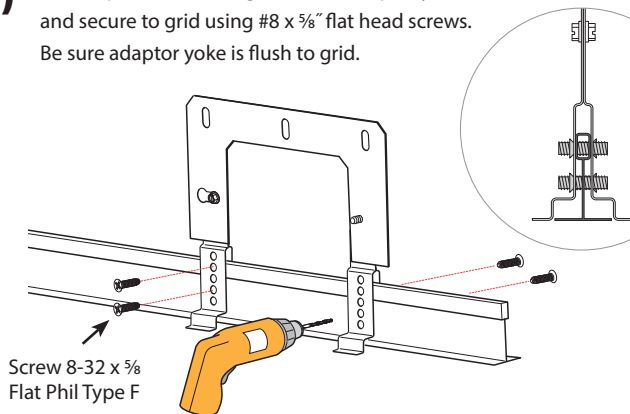
- 1)** Locate mounting point on t-bar and remove acoustic panels.



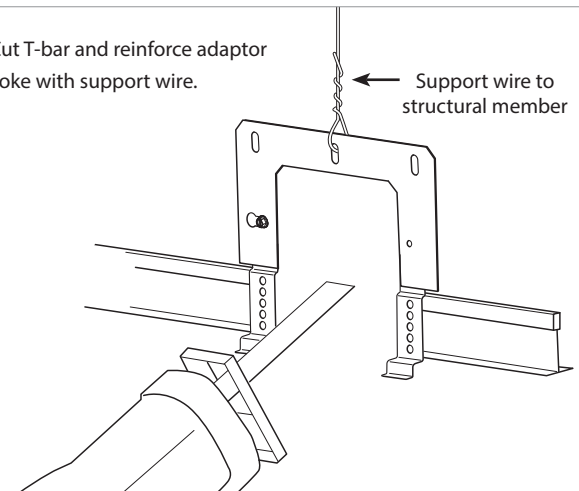
- 2)** Attach Adaptor Yoke brackets to T-bar using #8 x ¼ sheet metal screws. Light fixture will be centered between legs of yoke bracket.



- 3)** Drill ⅛" pilot hole through holes in adaptor yoke brackets and secure to grid using #8 x ⅝" flat head screws. Be sure adaptor yoke is flush to grid.



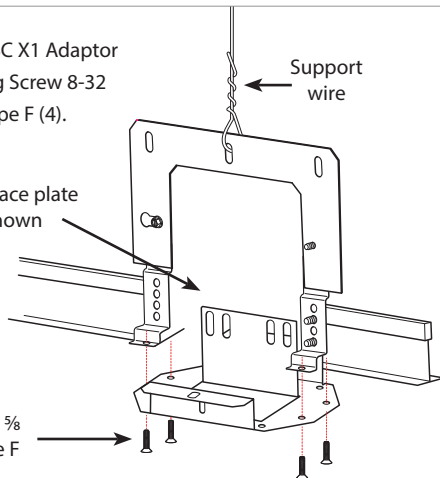
- 4)** Cut T-bar and reinforce adaptor yoke with support wire.



- 5)** Attach Gaze SSC X1 Adaptor Sub Plate using Screw 8-32 x ⅝ Flat Phil Type F (4).

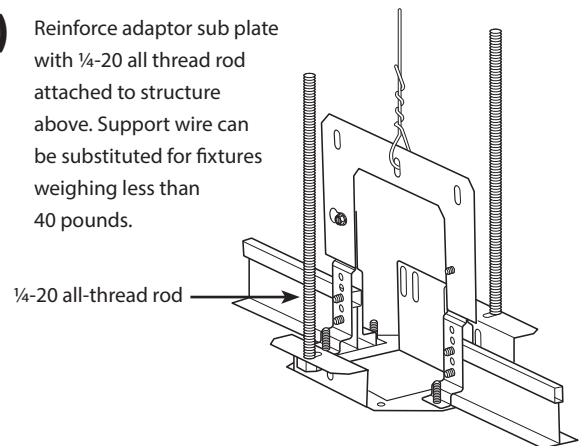
Be sure J-Box surface plate is formed up as shown

Screw 8-32 x ⅝ Flat Phil Type F



- 6)** Reinforce adaptor sub plate with ¼-20 all thread rod attached to structure above. Support wire can be substituted for fixtures weighing less than 40 pounds.

¼-20 all-thread rod



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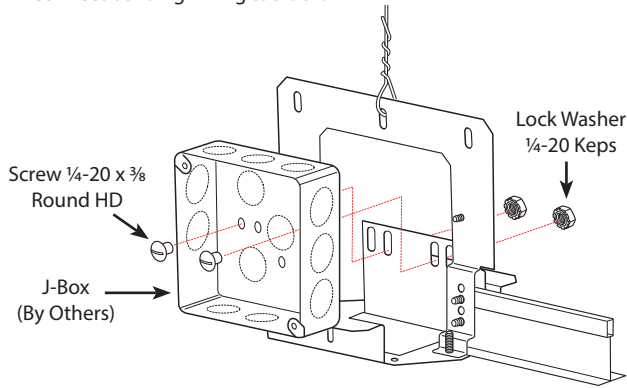
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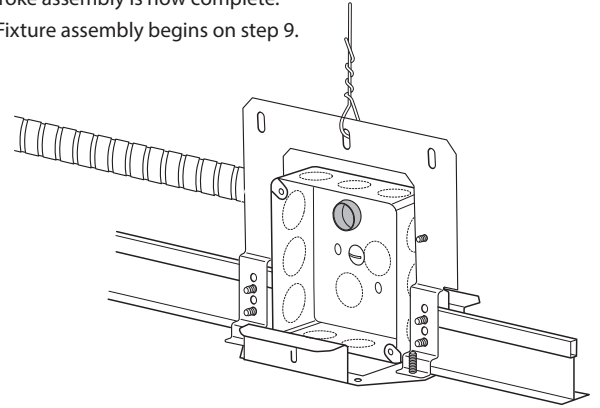
### X1 — T-BAR — ON-GRID

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**7)** Assemble J-Box to adaptor su-plate using 1/4-20 screws and nuts. Connect building wiring to J-Box.



**8)** Yoke assembly is now complete. Fixture assembly begins on step 9.



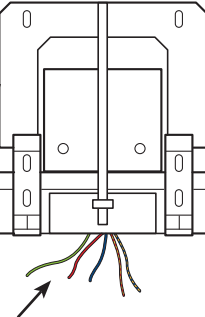
**9)** Wire A/C power to remote driver box and feed DC power wires to J-box. It is recommended that remote box is 16' maximum from J-box.

#### REMOTE MOUNTING (RPAC R/S) X1 - ON T-BAR



Electrical Conduit (By others)

T-Bar



Make DC power wires accessible below sub-plate

#### 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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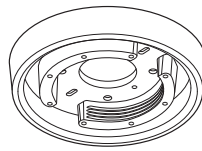
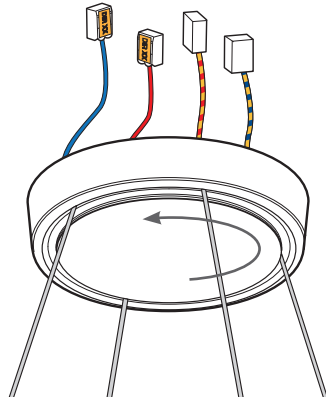


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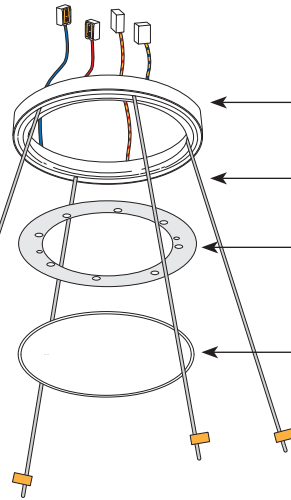
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**10)** Unscrew canopy cover and disassemble canopy. **DO NOT** remove aircraft cables from plastic insulation ring.



Canopy

ROUND: 100-00071-03  
SQUARE: 100-00072-03



Insulation Ring

100-00183-10

Aircraft Cable

100-00149-08

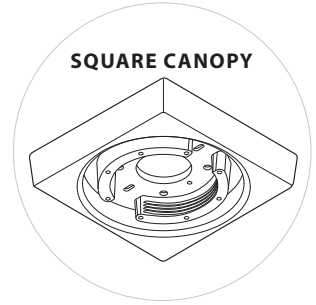
Metal Support Ring

105597

Canopy Cover

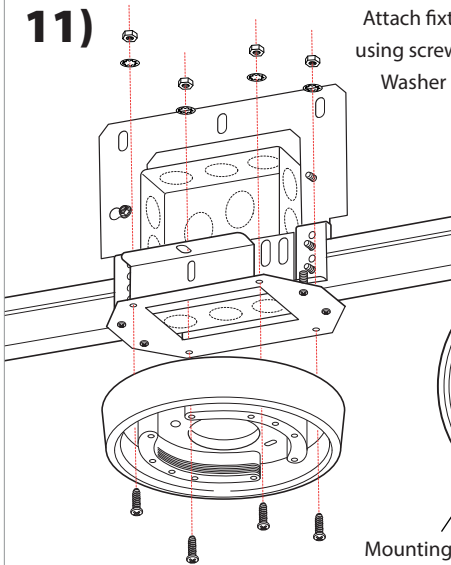
100-0070-03

**SQUARE CANOPY**



**11)**

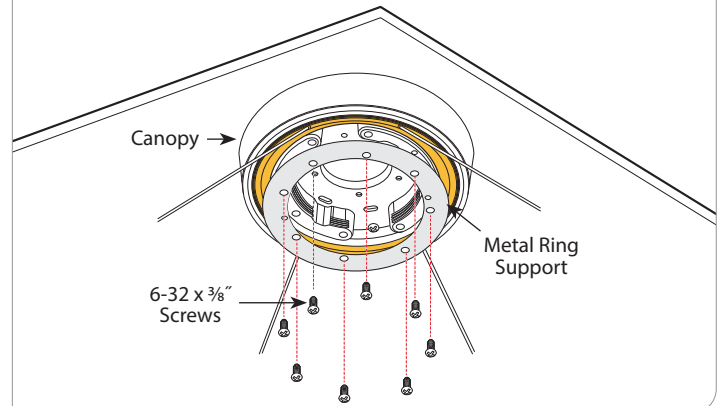
Attach fixture to yoke assembly using screw 8-32 x 7/8 TH MS Phil, Washer 1/4" Internal Tooth and HEX Nut 8-32 Plated.



Mounting Holes

**12)**

Replace plastic insulation ring with aircraft cables in canopy. Using label IDs and colors, match wires to aircraft cables to make low voltage connections using connectors provided. Fasten metal support ring using (8) 6-32 x 3/8" screws provided.



Canopy

Metal Ring Support

6-32 x 3/8" Screws

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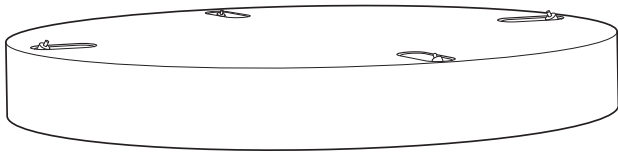


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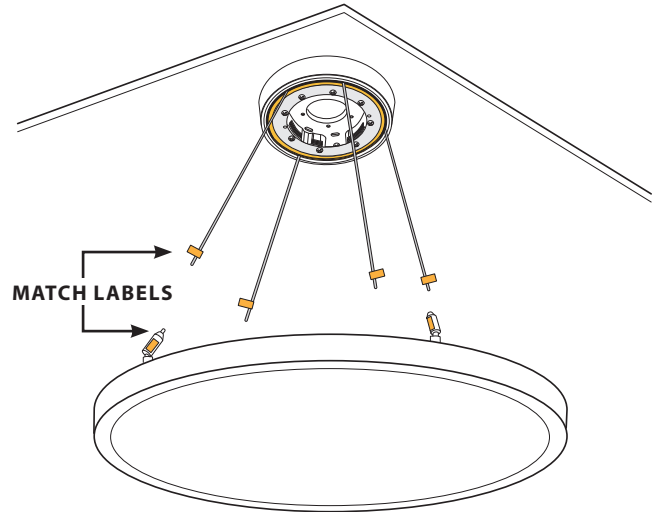
**13)** Locate ID labels on the cable grippers. You will need to know the order of the labels when performing the next installation steps.



#### GRIPPER ID LABELS

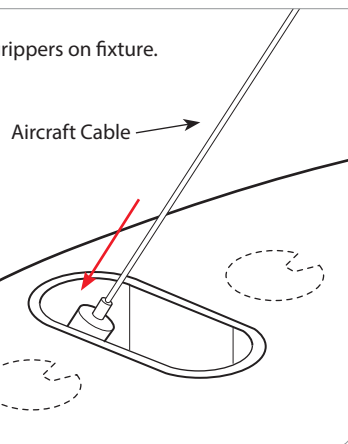
Label	Corresponding Low Voltage Wire	Description
DIR 1 +	RED	DIRECT LIGHT DRIVER 1 POSITIVE +
DIR 1 -	BLUE	DIRECT LIGHT DRIVER 1 NEGATIVE -
DIR 2 +	YELLOW/RED	DIRECT LIGHT DRIVER 2 POSITIVE +
DIR 2 -	YELLOW/BLUE	DIRECT LIGHT DRIVER 2 NEGATIVE -
INDIR +	RED/WHITE	INDIRECT LIGHT POSITIVE +
INDIR -	BLUE/WHITE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

**14)** 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 in the slots of the plastic insulation ring if needed.

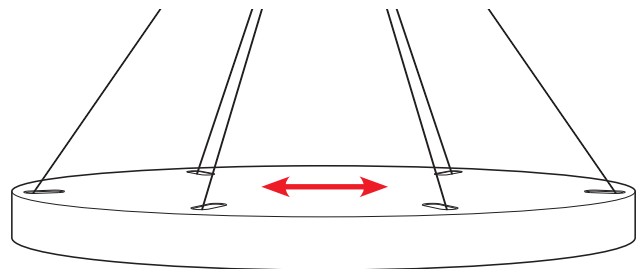


**⚠️ DO NOT** remove grippers.  
**DO NOT** remove labels from grippers.  
Crossing the powered aircraft cables may cause the fixture to not light. If fixture does not light see *Trouble Shooting*, page 7.

**15a)** Insert steel cables into grippers on fixture.



**15b)** Level fixture.



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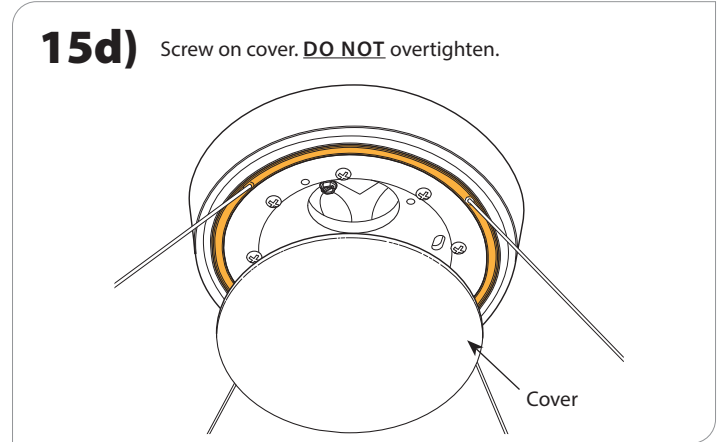
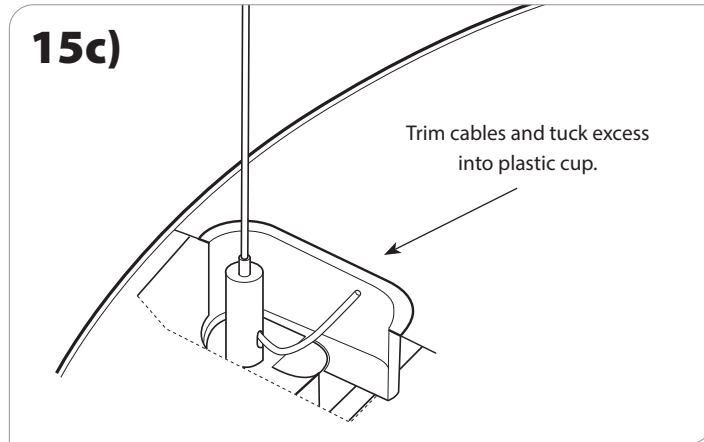
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## TROUBLE SHOOTING

### 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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