

## JACKTRACK- STEM MOUNT

### CAUTION

TURN OFF THE MAIN POWER AT THE CIRCUIT BREAKER BEFORE INSTALLING THE FIXTURE IN ORDER TO PREVENT POSSIBLE SHOCK

IF YOU ARE UNFAMILIAR WITH PROPER ELECTRICAL WIRING CONNECTIONS OBTAIN THE SERVICES OF A QUALIFIED ELECTRICIAN

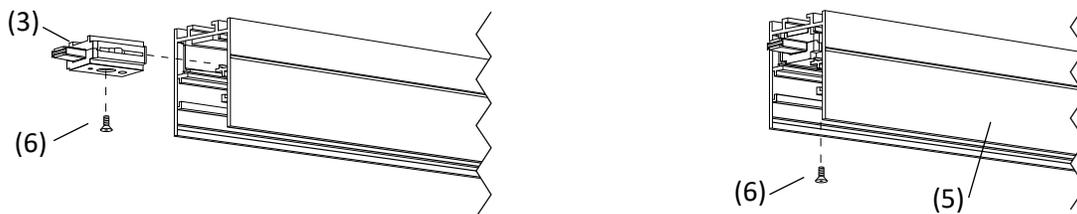
### GENERAL

- Read all instructions carefully for safe operation and installation.
- All electrical connections must be in accordance with local and national electrical code (N.E.C) standards.
- Remove the linear channel(s) and components from their packages and make sure that no parts are missing by referencing the illustrations on the installation instruction. Please contact Blackjack Lighting if any parts are missing or damaged.
- This product is suitable for damp locations.

### PREPARE CHANNEL

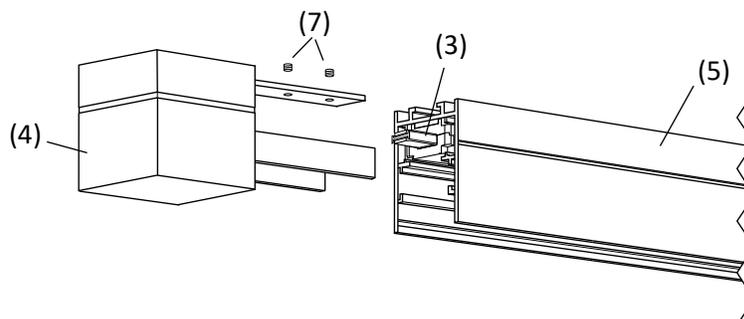
#### 1. INSTALL ELECTRICAL CONNECTOR

- Attach connector "A" (3) into the end of the track that will attach to end joiner (4). Push connector "A" (3) into channel (5) until the hole in end of the channel aligns with the hole in connector "A". [Please note; connector "A" will only fit correctly into one end of channel (5)]. Insert flat head screw (6) into connector "A" (3) and into the threaded hole in channel (5). Tighten screw (6) part way but not completely so it does not protrude through the back of channel (5).



#### 2. INSTALL END JOINER

- Loosen both set screws (7) from the tongue of end joiner (4). Slide end joiner (4) into channel (5) until it makes firm contact. While keeping this firmly in contact, tighten both set screws (7). Turn the channel over and tighten flat head screw (6) until connector "A" (3) is firmly held in place.



### 3. INSTALL STEM MOUNTING BRACKET

**a. Determine the total number of mounting brackets (26) that are required for each channel (5):**

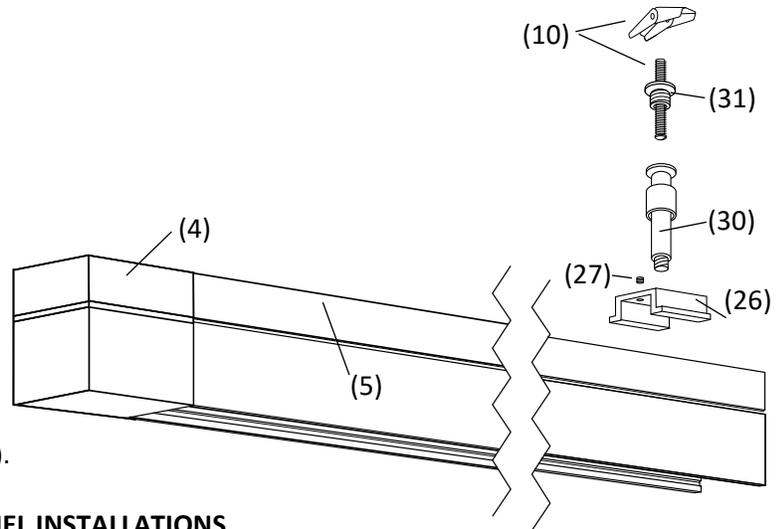
1. A 23" or 47" length of channel (5) will require at least two stem mounting locations.
2. Lengths greater than 47" and up to 94" will require at least three stem mounting locations.
3. When installed in a continuous row, each individual section of not more than 48" in length shall have an additional stem mounting location.

**b. Mounting location for stem with power cable:**

The stem (23) that carries the electrical power will mount to the top of the end joiner (4). See step 6.

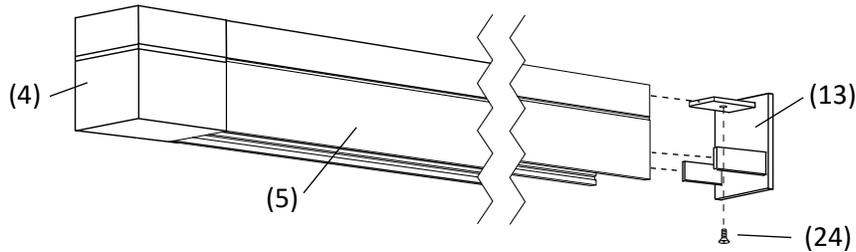
**c. Mount additional brackets for Stem:**

Brackets (26) may be required to be slid in the back of the channel (5) to mount additional stems that are not powered. Insert the bracket (26) and locate as required. Tighten the set screw (27) on the bracket (26).



### 4A (OPTION 1) PREPARE OPPOSITE END FOR SINGLE CHANNEL INSTALLATIONS

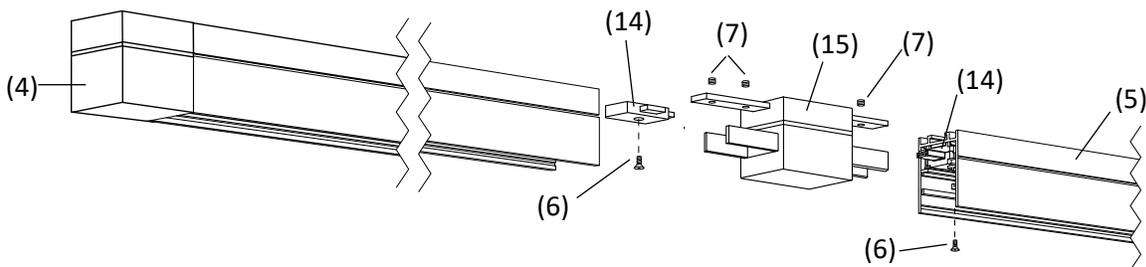
- For single channel installations install the decorative endcap: (13) by sliding the endcap into the channel (5) and inserting a 5/16" flat head screw (24) into the base of the endcap and through the hole at the end of the channel (5).



### 4B (OPTION 2) PREPARE OPPOSITE CHANNEL END FOR EXTERNAL JOINER CONNECTION

- For connection to additional channel sections (5) with an external joiner either ("L"/ "I"/ "T"/ "X" Joiner) (15):

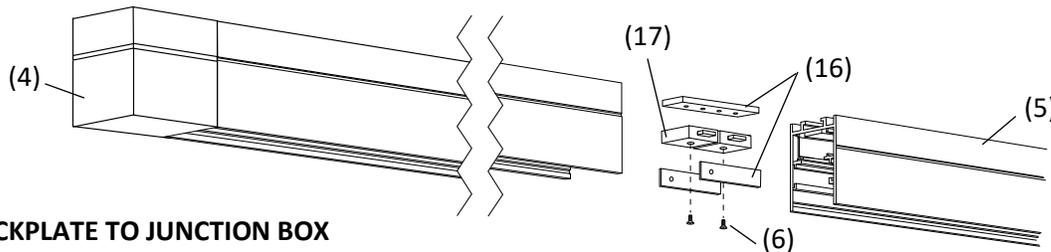
- a. **INSTALL CONNECTOR:** Attach connector "B" (14) into the end of the track that will attach to the external joiner (15). Push connector "B" (14) into the channel (5) until the hole in end of the channel aligns with the hole in connector "B". [Please note; connector "B" will only fit correctly into one end of the channel (5)]. Insert a flat head screw (6) into connector "B" and into the threaded hole in Channel (5). Tighten screw (6) part way but not completely so it does not protrude through the back of the channel (5).
- b. **INSTALL JOINER:** Loosen both set screws (7) from the tongue of the external joiner (15). Slide the external joiner (15) into the channel (5) until it makes firm contact. While keeping the joiner (15) firmly in contact, tighten both of the set screws (7). Turn the channel over and tighten the flat head screw (6) until connector "B" (14) is firmly held in place.



#### 4C (OPTION 3) PREPARE OPPOSITE CHANNEL END FOR INTERNAL JOINER CONNECTION

##### - For connection to additional channel sections (5) with an internal joiner (16)

- a. **INSTALL CONNECTOR:** Attach one end of double connector "C" (17) into the end of the track that will attach to the internal joiner (16). Push double connector "C" (17) into the channel (5) until the hole in the end of channel aligns with the hole in one end of double connector "C". [Please note; connector "C" will only fit correctly into one end of the channel (5)]. Insert a flat head screw (6) into connector "C" (17) and into the threaded hole in Channel (5). Tighten part way but not completely so that the screw does not protrude through the back of the channel.
- b. **INSTALL JOINER:** Slide one top and two side pieces of the internal joiner (16) into the channel (5) and position it with half of the length of each of the three pieces of internal joiner (16) extending out from the end of the channel (5). Tighten the screws from the top piece and the two side pieces of the internal joiner (16) until it mounts firmly in place in the channel (5). Turn the channel over and tighten the flat head screws (6) until connector "C" (17) is firmly held in place.



#### 5. INSTALL BACKPLATE TO JUNCTION BOX

- a. Install the backplate (1, 9, 32 or 39) to the junction box (12).
- b. **For the junction box cover plate (1):** pull the two electrical low voltage wires (22) from remote driver (19) Through the backplate.
- c. **For the round and rectangular canopies:** pull the line voltage supply wires (25) from junction box (12) through the backplate. Attach line voltage supply wires (25) to input wires from driver (45).

#### 6. INSTALL STEM MOUNT / ELECTRICAL WIRE ASSEMBLY TO CANOPY COVER

- a. Insert the two low voltage wires (28) from the end joiner through the stem mounted to the canopy cover (18, 29, 38, or 43)
- b. Thread the stem from the canopy cover into the top of the end joiner (4) until it is firmly tightened. Attach the other end of the stem to the canopy cover (18, 29, 38, or 43) using hex threaded connector (47). Cut the excess wire (28) on the inside of canopy (leaving some extra length for later adjustment if needed), or wrap excess wire around bracket (48) on canopy (18).

#### 7. INSTALL STEM SUPPORTS

- a. Mount the additional non-powered stem (30) (along with the top threaded stem top (31)) into bracket(s) (26) that were previously mounted on the rear of channel (5). Tighten firmly to lock in place
- b. Temporarily hold the assembled channel with the canopy cover (18, 29,38, or 43) in place over the mating backplate. With the non-powered stems (30) and threaded stem top (31) touching the ceiling, place a mark centered at each stem location.
- c. Unscrew stem top (31), align it with the marks made on the ceiling and mark the center hole location on the ceiling.
- d. Insert a ceiling anchor (10) rated to support at least 40 pounds into each stem top mounting location (anchor and fastener not included). It is recommended to use a No. 10 (3/16" dia.) toggle bolt ceiling anchor (in sheetrock applications) or a No. 10 round head screw (into a solid surface). Mount the fastener through the stem top (31) and fasten it firmly to the ceiling.

#### 8. CONNECT ELECTRICITY

Attach the low voltage fixture wires (28) coming from the end joiner (4) through ceiling canopy (18, 29, 38, or 43) to the low voltage wire (34) coming from integrally mounted driver (45). Connect with quick connector (20). Low voltage fixture wires can also be attached to the low voltage wires (22) coming through the junction box (12) from remote mounted driver (19).

**[NOTE: DO NOT CONNECT THE LOW VOLTAGE (24v) ELECTRICAL WIRING (28) COMING FROM THE END JOINER (4) TO A LINE VOLTAGE (120-277v) INPUT FROM THE JUNCTION BOX (12)]**

#### 9. ATTACH CEILING CANOPY

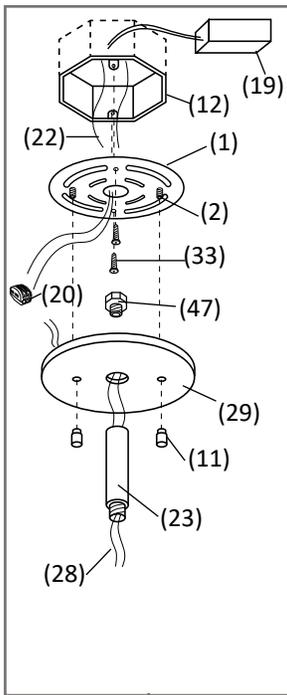
- a. **For junction box cover plate;** Install the two decorative finials (11) holding the junction box cover plate (29) to the two threaded studs (2) attached to the support bracket (1)
- b. **For shallow canopy;** Attach driver (45) and its rear disk to the support bracket (48) with two screws (49). Push the front canopy (18) up to the canopy backplate (32) until the canopy is firmly positioned against the ceiling, and then lock into position with three side finials. (46)
- c. **For deep canopy;** Secure the internal support bracket (37) to the canopy backplate (9) with the two finials (21) on either side. Then Install the two finials (11) holding the deep round cover plate (38) to the mounting bracket (37)
- d. **For rectangular canopy;** Attach the canopy cover (43) and secure it to the canopy backplate (39) with the four screws (44).

#### 10. ATTACH STEMS TO CEILING SUPPORTS

- a. Align the non-powered stems (30) with the ceiling mounted stem top (31). Hand tighten the collar on the top of each stem (30) and screw it onto the stem top (31) until the channel is firmly positioned against the ceiling.

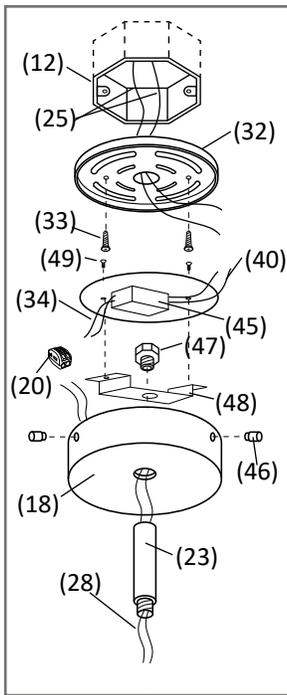
### Junction Box Cover

(Remote Driver)



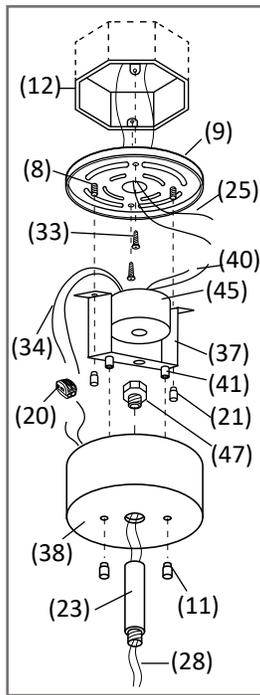
### Shallow Canopy

(20W or 40W Driver)



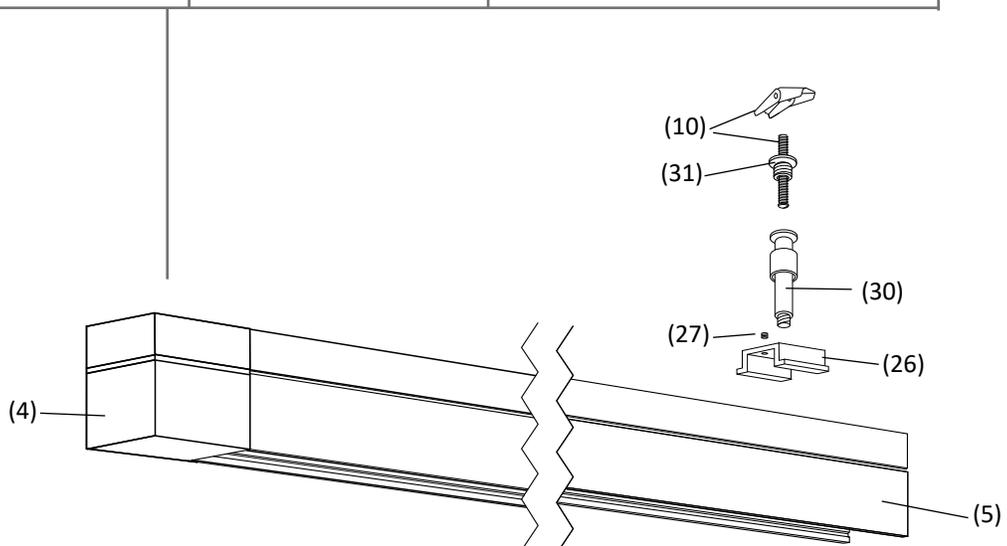
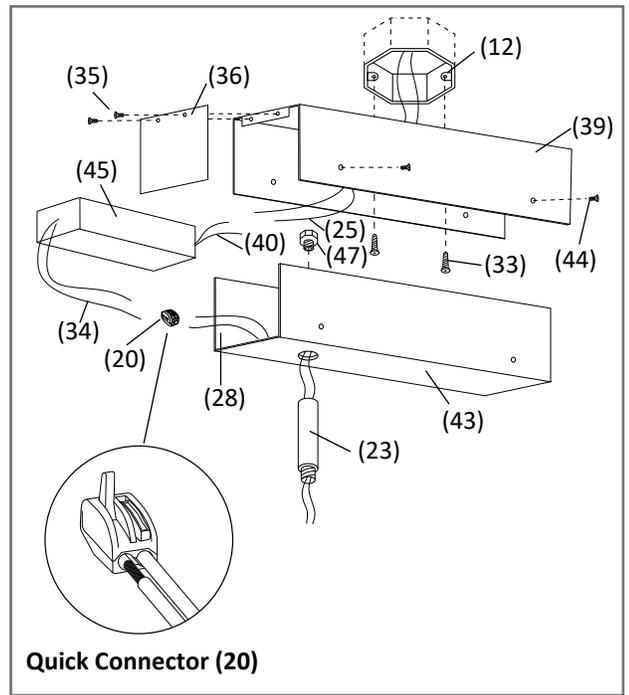
### Deep Round Canopy

(60W or 96W Driver)



### Rectangular Canopy

(200-300W Driver)



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|---|--|---|
| 1. JUNCTION BOX COVER PLATE SUPPORT BRACKET | 17. DOUBLE ENDED CONNECTOR "C"           | 33. MOUNTING SCREWS                               |
| 2. JUNCTION BOX COVER PLATE THREADED STUDS  | 18. SHALLOW ROUND CANOPY COVER           | 34. LOW VOLTAGE WIRES FROM DRIVER                 |
| 3. CONNECTOR "A"                            | 19. REMOTE DRIVER                        | 35. RECTANGULAR CANOPY ENDPLATE SCREWS            |
| 4. END JOINER                               | 20. QUICK CONNECTOR                      | 36. RECTANGULAR CANOPY ENDPLATE                   |
| 5. CHANNEL                                  | 21. DEEP CANOPY MOUNTING BRACKET FINIALS | 37. DEEP CANOPY INTERNAL SUPPORT MOUNTING BRACKET |
| 6. FLAT HEAD SCREW                          | 22. LOW VOLTAGE WIRES FROM REMOTE DRIVER | 38. DEEP ROUND CANOPY COVER                       |
| 7. JOINER SET SCREWS                        | 23. ELECTRICAL STEM                      | 39. RECTANGULAR CANOPY BACKPLATE                  |
| 8. DEEP CANOPY THREADED BACKPLATE POSTS     | 24. END CAP FLAT HEAD SCREW              | 40. LINE VOLTAGE WIRES FROM DRIVER                |
| 9. DEEP ROUND CANOPY BACKPLATE              | 25. LINE VOLTAGE WIRES FROM JUNCTION BOX | 41. DEEP CANOPY INTERNAL SUPPORT THREADED POSTS   |
| 10. CEILING ANCHOR (by others)              | 26. MOUNTING BRACKET                     | 43. RECTANGULAR CANOPY COVER                      |
| 11. DECORATIVE FINIALS                      | 27. SET SCREW                            | 44. RECTANGULAR CANOPY SCREWS                     |
| 12. JUNCTION BOX                            | 28. LOW VOLTAGE WIRES FROM END JOINER    | 45. DRIVER  |
| 13. DECORATIVE ENDCAP                       | 29. JUNCTION BOX COVER PLATE             | 46. SHALLOW ROUND CANOPY FINIALS                  |
| 14. CONNECTOR "B"                           | 30. NON-POWERED STEM                     | 47. ELECTRICAL STEM THREADED CONNECTOR            |
| 15. EXTERNAL JOINER                         | 31. THREADED STEM TOP                    | 48. SHALLOW CANOPY U-BRACKET                      |
| 16. INTERNAL JOINER                         | 32. SHALLOW CANOPY BACKPLATE             | 49. SHALLOW CANOPY U-BRACKET SCREWS               |