

JackTrack – Pendant Adaptor and Linear LED Module

**IMPORTANT**

- For factory pre-set option, customer to select pattern and provide length of longest pendant. Signoff on Blackjack-generated configuration drawing or designer-supplied submittal drawing required. Pendants are pre-configured by Blackjack per signed submittal drawing. Customized installation instructions are supplied as necessary.
- For field-assembled option, each pendant is provided with standard 8' cable (unless otherwise indicated in system description). Pendants must be cut to desired lengths by installer and attached to track adaptors prior to installation.
- Pendants can be removed from track or cut shorter and reinstalled post-installation.
- Appropriate number of joiners and spacers are included to complete configuration installation.
- Individual runs with pendants can weigh as much as 50 5 pounds per foot. System must be mounted to rigid ceiling material (e.g., sheet rock, fire-rated plywood or similar) that can support system weight.

JACKTRACK - PENDANT ADAPTOR AND LINEAR LED MODULE

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

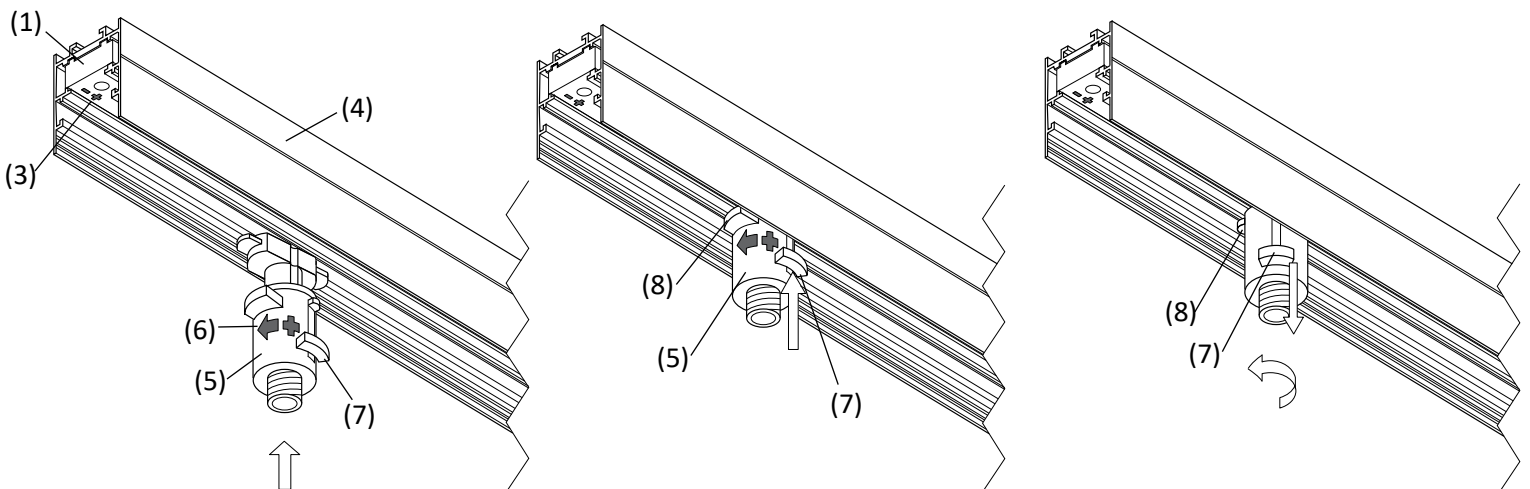
GENERAL

- 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 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.

I - PENDANT ADAPTOR INSTALLATION

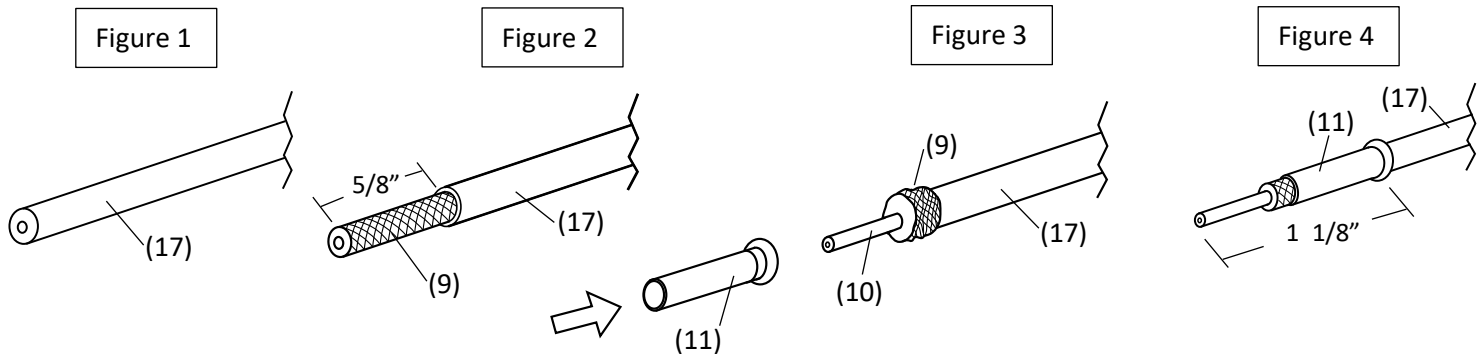
1. INSTALL PENDANT ADAPTOR

- Identify at least one electrical connector (1 or 2) inside either end of the Jack Track Channel (4).
- On the top of the electrical connector(s) (1 or 2) look for the markings showing a red “plus” sign and red bar (3). [Note whether the red marking is on the right or left side of the channel (4)]
- On the pendant adaptor (5) look for the same red “plus” sign markings with a red directional arrow (6).
- Insert the pendant adaptor (5) into the channel (4) with the red directional arrow (6) pointing toward the side of the channel (4) that has the red “plus” sign and red bar (3) on top of the electrical connector(s) (1) and (2).
- When the pendant adaptor is fully seated in the channel (4), press the side lever (7) down all the way. While the lever is pressed rotate the outer housing of the pendant adaptor (5) in the direction of the arrow.
- Rotate the pendant adaptor (5) until the side wings (8) have rotated 90 degrees and slide under the side walls of the channel (4). Release the side lever (7) and when it pops up to its starting position the track adaptor is then locked in place in the channel (4).
- To remove the pendant adaptor (5) push down the side lever (7) and rotate the outer housing of the pendant adaptor (5) 90 degrees in the opposite direction it was installed.

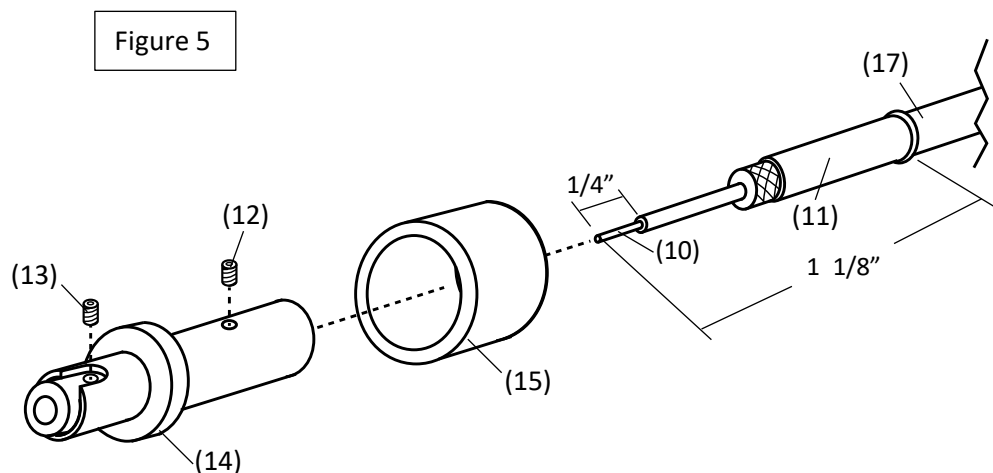


2. INSTALL QUICK CONNECTOR END ON PENDANT COAXIAL CABLE

- Take the cleanly cut end of a coaxial cable (17) (coming from a decorative LED pendant) and with a wire stripper remove exactly 5/8" of the outer jacket of the coaxial cable (17). Make sure to not damage the now exposed conductive mesh layer (9). (see figures 1 & 2)
- Push the conductive mesh layer (9) back, away from the cable end, toward the remaining outer coaxial cable (17) insulation. The center cable conductor (10) will now be partially exposed. Once it is pushed down as much far as it can go by hand, grasp the conductive mesh layer and rotate it back and forth in your fingers thereby making as small a diameter of the conductive mesh layer (9) as possible. (see figure 3)
- Push the aluminum cylinder (11) (flange side first) over end of the cable and over the compressed conductive mesh layer (9). (see figure 4)



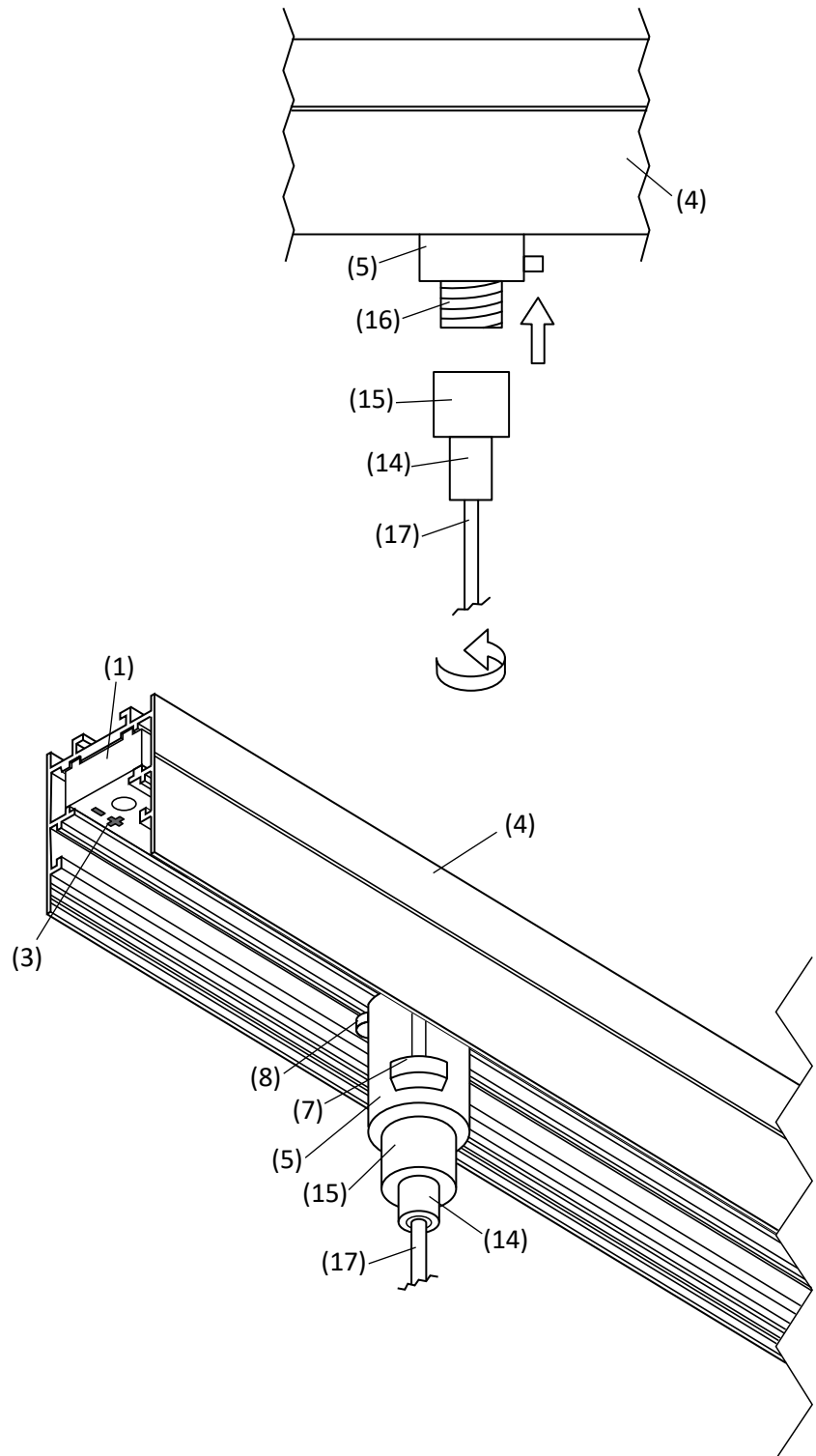
- With a sharp wire stripper (or a sharp knife) cut 1/4" off the end of the center cable conductor (10) (see figure 5).
- Measure from the end of the stripped center cable conductor (10) to the flange on the aluminum cylinder 1 1/8" (adjust the flange end if necessary).
- Loosen side screw (12) on the quick connector (14) and remove the small screw (13) on the top end of the Quick Connector (14). Do not remove the threaded collar (15) of the quick connector (14).
- Place the stripped coaxial cable (17) with the attached aluminum cylinder (11) into the Quick Connector (14) until the stripped end of the center cable conductor is visible through the set screw hole.
- Re-insert the small set screw (13) into the hole and tighten fully.
- Make sure that collar (11) is fully pushed into the back of quick connector (14). Tighten the side screw (12) in the quick connector (14) until it is firmly in place and pressing against the coaxial cable (17) inside.
- Tug on the end of the coaxial cable (17) to make sure the screws are tight and holding the cable securely.



3. INSTALL QUICK CONNECT TO PENDANT ADAPTOR

- a. With the power off, take the threaded collar (15) of the Quick Connector (14) and insert it onto the threaded stem (16) of the pendant adaptor (5).
- b. Rotate the threaded collar (15) until it is fully tightened to the threaded stem (16) of the pendant adaptor (5).

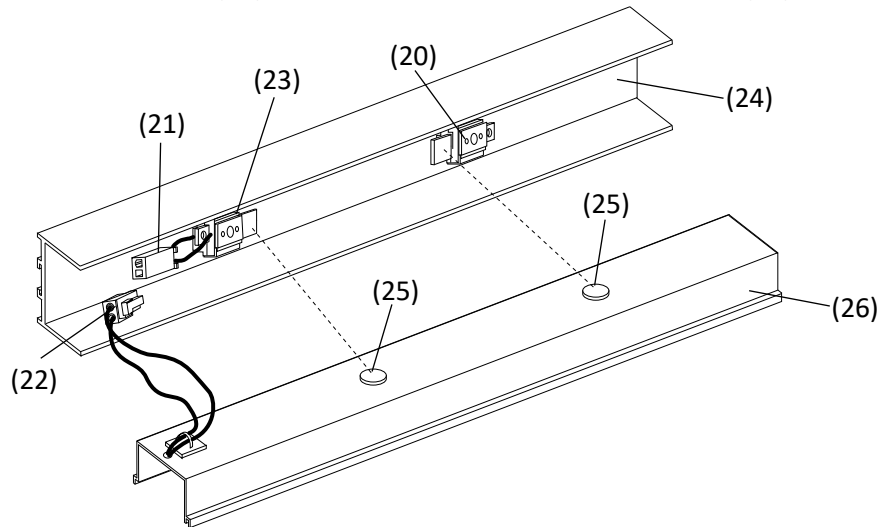
1. ELECTRICAL CONNECTOR
2. ELECTRICAL CONNECTOR
3. RED MARKINGS
4. CHANNEL
5. PENDANT ADAPTOR
6. RED DIRECTIONAL ARROW
7. SIDE LEVER
8. SIDE WINGS
9. CONDUCTIVE MESH LAYER
10. CENTER CABLE CONDUCTOR
11. ALUMINIUM CYLINDER
12. SIDE SCREW
13. SMALL SCREW
14. QUICK CONNECTOR
15. THREADED COLLAR
16. THREADED STEM
17. COAXIAL CABLE



II - LINEAR LED MODULE INSTALLATION

1. FLOATING LED MODULE / FULL LENGTH LED MODULE

- a. Connect channel modular connector (21) to the LED reflector modular connector (22)



- b. Align the lower brackets (23) and (20) [pre-installed in factory] located in the channel (24) with the magnets (25) attached to the pre-cut LED reflector (26).
- c. First, push the powered end of the reflector (26) into the channel (24) first and fully extend the power cable to allow the modular connector (21) to seat straight into the channel (24) (see figure 6). Second, place the non-powered end of the reflector (26) down into the channel (24) until the magnets (25) firmly engage with the brackets.
- d. Snap the pre-cut diffuser (27) into the grooves of the extruded channel (24) aligned above the reflector (26). Start on one end and gradually work the diffuser into the channel (24) (see figure 7).

Figure 6

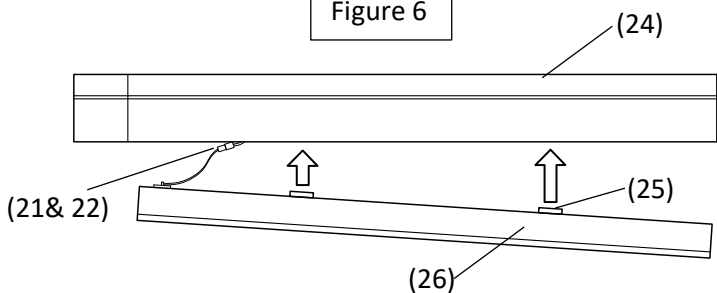
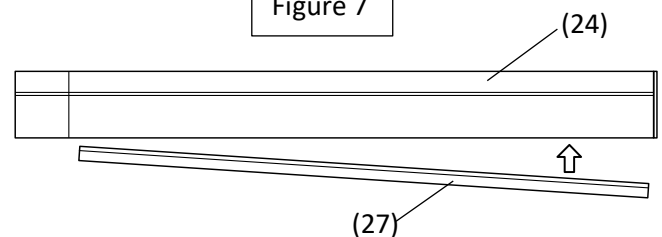


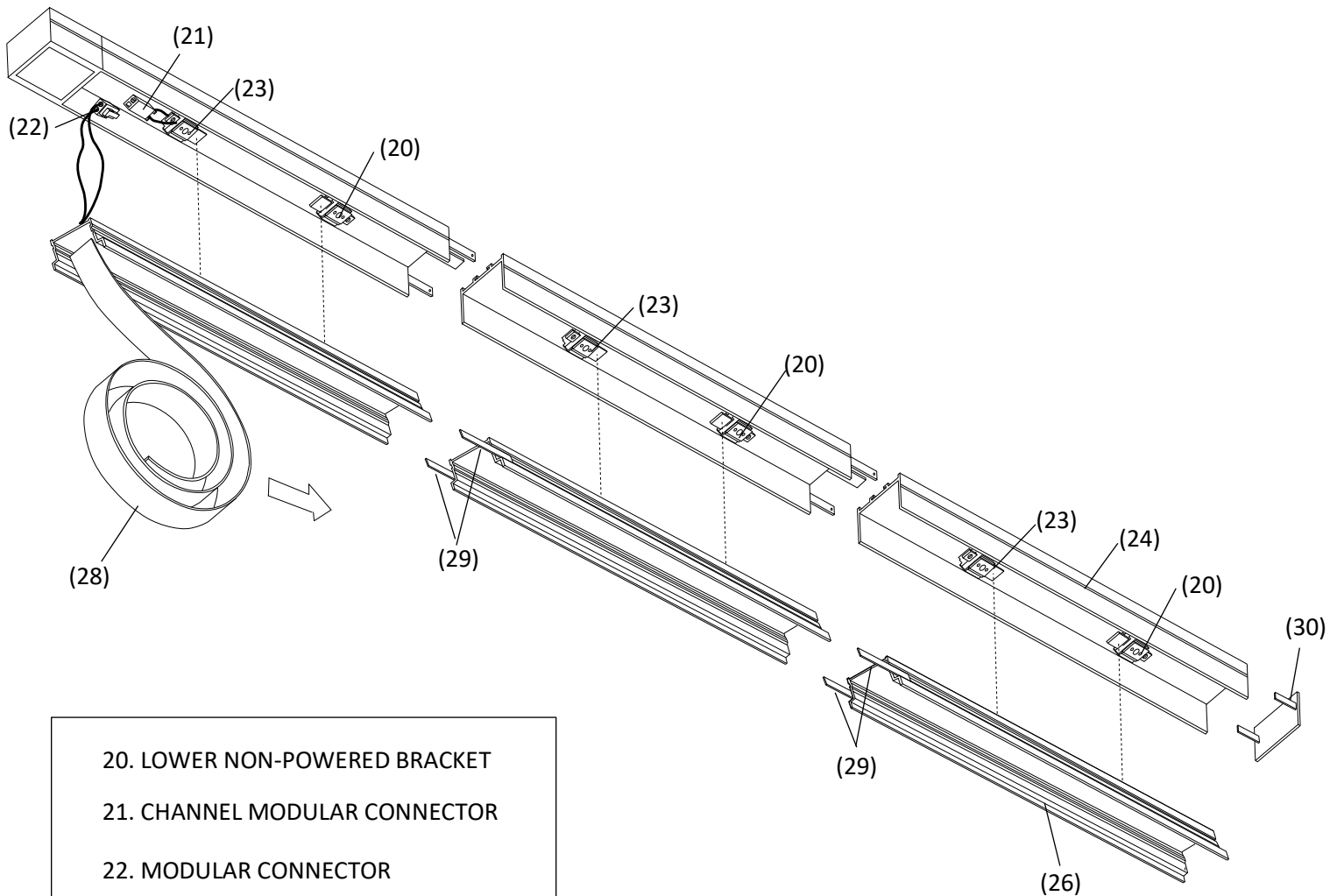
Figure 7



2. CONTINUOUS LED MODULAR RUN

- a. Connect channel modular connector (21) to the LED reflector modular connector (22)
- b. Align the lower brackets (23) [pre-installed in factory] located in the channel (4) with the magnets (5) attached to the pre-cut LED reflector (26).
- c. Insert the powered end of the first reflector (26) into the first channel (4) and push into place by positioning the magnets (25) over the mounting brackets (23).
- d. Align the lower brackets (23) and (20) [pre-installed in factory] located in the additional channel(s) (24) with the magnets (25) attached to the additional non-powered pre-cut LED reflector(s) (26).
- e. Insert the end of the second reflector (26) into the second channel (4) and push into place by positioning the magnets (25) over the mounting brackets (23) and (20). Take care to align the gap filler plastic sections (29) into the end of first channel (26). Repeat this process for each housing and reflector section that needs to be joined with this run of channel.

- f. Remove the adhesive tape backing from the self-adhesive LED tape (28). Attach the tape to the inside of the reflector (26) starting with the end closest to the power input, and then unrolling the tape away from the power input and firmly adhering it to the adjacent LED reflector(s) (26) that are placed in a continuous row.
- g. Snap the pre-cut diffuser (27) into the grooves of the extruded channel (24). Start inserting the diffuser at the end with the power input and then press the diffuser in place as you move down the extruded channel (24)



- 20. LOWER NON-POWERED BRACKET
- 21. CHANNEL MODULAR CONNECTOR
- 22. MODULAR CONNECTOR
- 23. LOWER POWERED BRACKET
- 24. CHANNEL
- 25. MAGNETS
- 26. PRE-CUT LED REFLECTOR
- 27. PRE-CUT DIFFUSER
- 28. SELF-ADHESIVE LED TAPE
- 29. FILLER PLASTIC SECTIONS
- 30. END CAP