

# JB36

DIRECT VIEW | LOW PROFILE  
5w/ft | 420lm/ft



## INSTALLATION INFORMATION

The JB36 are low profile, architectural fixtures designed for linear illumination of shelves, under-cabinet, kick toe and narrow coves. The quarter-round lens illuminates both counter and back splash to eliminate dark spots. Nichia bin-sorted LEDs produce high quality, even illumination with an intense, fluid glow.

Fixtures are 0-10v and ELV dimming, and produce a bright, fluid glow with even illumination. An external 24v universal power supply along with magnetic connection system allow for simplified and quick installation.

Mounting clips are dual purpose as they are used to mount the fixture as well as secure the magnetic connection.



## BOM FOR RUN

### CONNECTION

- 1 Wire Lead per run - JB36-72"-W/L
- 1 End Cap per run - JB36-ENDCAP
- Jumper Cable -If space is needed between fixtures

*\* Fixtures are end to end connected. Use jumpers if space is needed between fixtures.*



### MOUNTING

- MOUNTING BRACKETS - MIN. 2 PER FIXTURE**
- JB36-DOUBLE JOIN CLIP

*\* Mounting Clips be used at each connection point to join wire lead to fixture or fixture to fixture.*



### POWER SUPPLIES

#### CONSTANT VOLTAGE - SELECT BASED ON RUN LENGTH WATTAGE

PS-TSLC-UNV-24V-96WDHV2	24v 96w power supply, 0-10v, ELV, TRIAC dimming, wet location
PS-TSLC-UNV-24V-60WDHV2	24v 60w power supply, 0-10v, ELV, TRIAC dimming, wet location
PS-TSLC-UNV-24V-30WDHV2	24v 30w power supply, 0-10v, ELV, TRIAC dimming, wet location
PS-TSLC-UNV-24V-288WDHV2	24v 288w (96wx3)power supply, 0-10v, ELV, TRIAC dimming, wet location

#### - POWER SUPPLY - 1 run per Wattage Specification of Light Bar

**Fixture wattage must not exceed run length wattage. Run must not exceed 96w.**



### ADDITIONAL OPTIONS

#### 0-10V Dimmer

0-10v AC Wall switch

#### Surge Protection

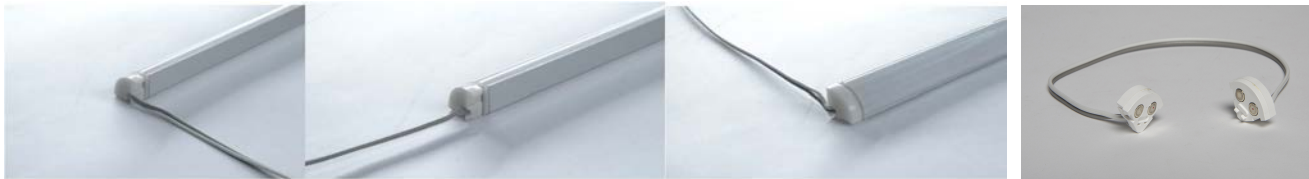
Surge protection is required on each system.  
If your system does not have this, we can supply you with them.

**INSTALLATION**



Wire lead or jumpers with Terminal can be arranged in 3 ways during installation.

↓ 3 ways for running wire



Jumper Cables

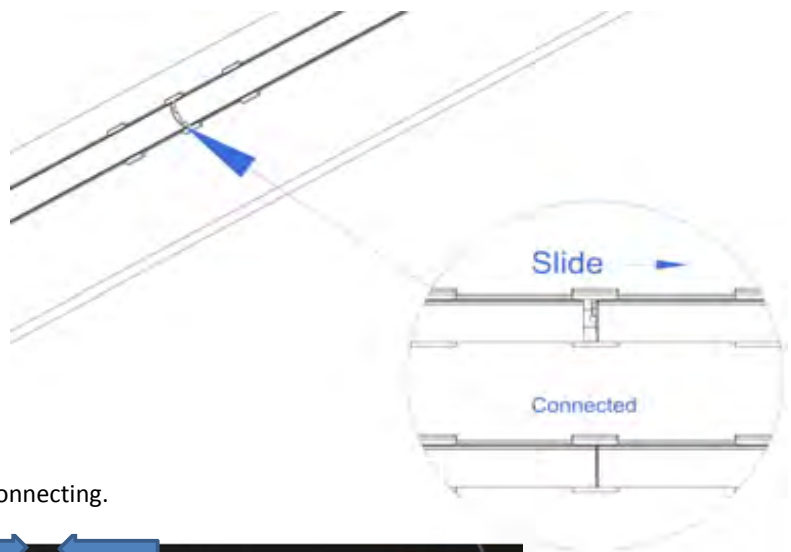
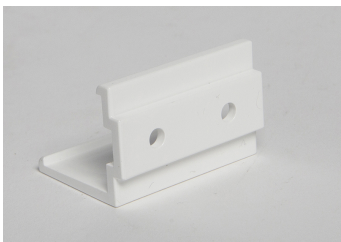
**Magnetic Terminal**

No connectors or wires required.  
*Male must connect to Female (polarity sensitive)*



**\* Mounting Clips must be used at each connection point to join wire lead terminal to fixture or fixture to fixture.**

Mounting Clips



Move two bars horizontally when connecting or disconnecting.



## CONNECTION

### PREPARE ELECTRICAL WIRING

#### Electrical Requirements

- This lighting system is supplied with an appropriate power supply driver unit; this appliance unit must be supplied with 120V, 60Hz. and connected to an individual properly grounded branch circuit, protected by a 15 or 20 Amp circuit breaker or time delay fuse.

The JB LED Light Bar is a CLASS 2, 24VDC low voltage luminair and must be used with an appropriate power supply driver unit. Failure to connect this lighting system correctly will violate all warranty claims.

- Wiring must be 2 wires with ground and rated for 75°C (176°F).

#### Grounding Instructions-Cable Direct

This lighting system must be connected to a grounded metal, permanent wiring system, or an equipment grounding conductor must be run with the circuit conductors and be connected to the equipment grounding terminal

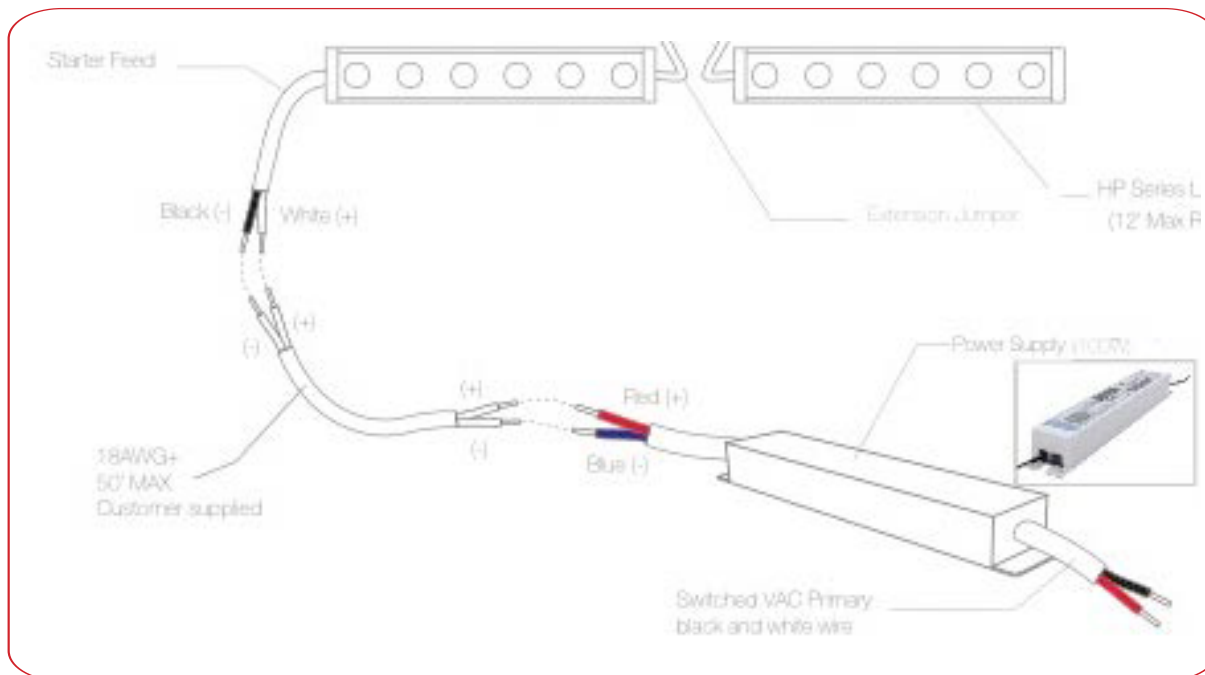
### Notes Applicable Unless Otherwise Specified

#### BEFORE YOU BEGIN

Read these instructions completely and carefully.

**WARNING: TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK OR INJURY, OBSERVE THE FOLLOWING:**

- A. Use these fixtures only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.
- B. Before servicing or cleaning unit, switch power off at the service panel and follow appropriate lock out/tag out safety procedures

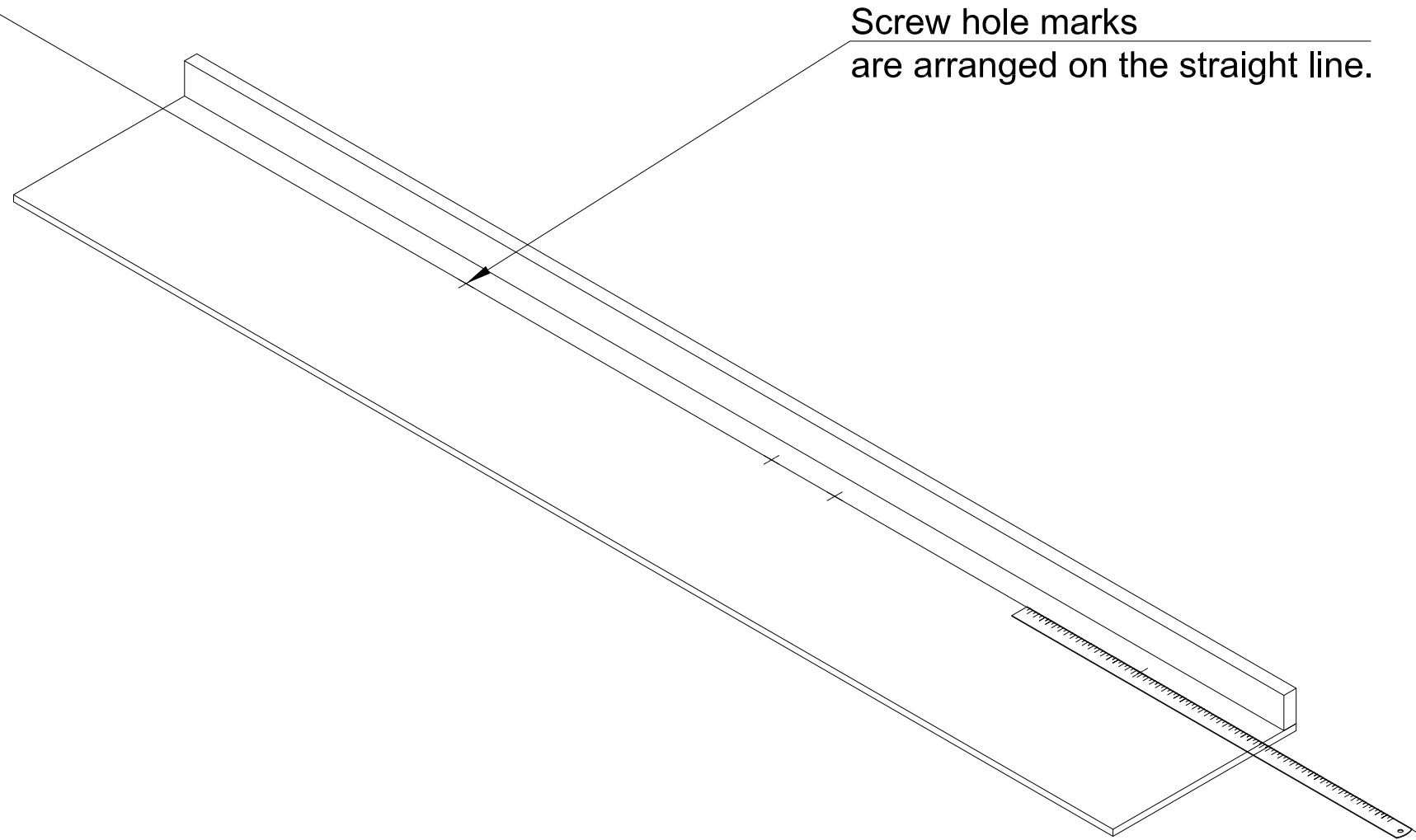


#### Connect LED Power Supply

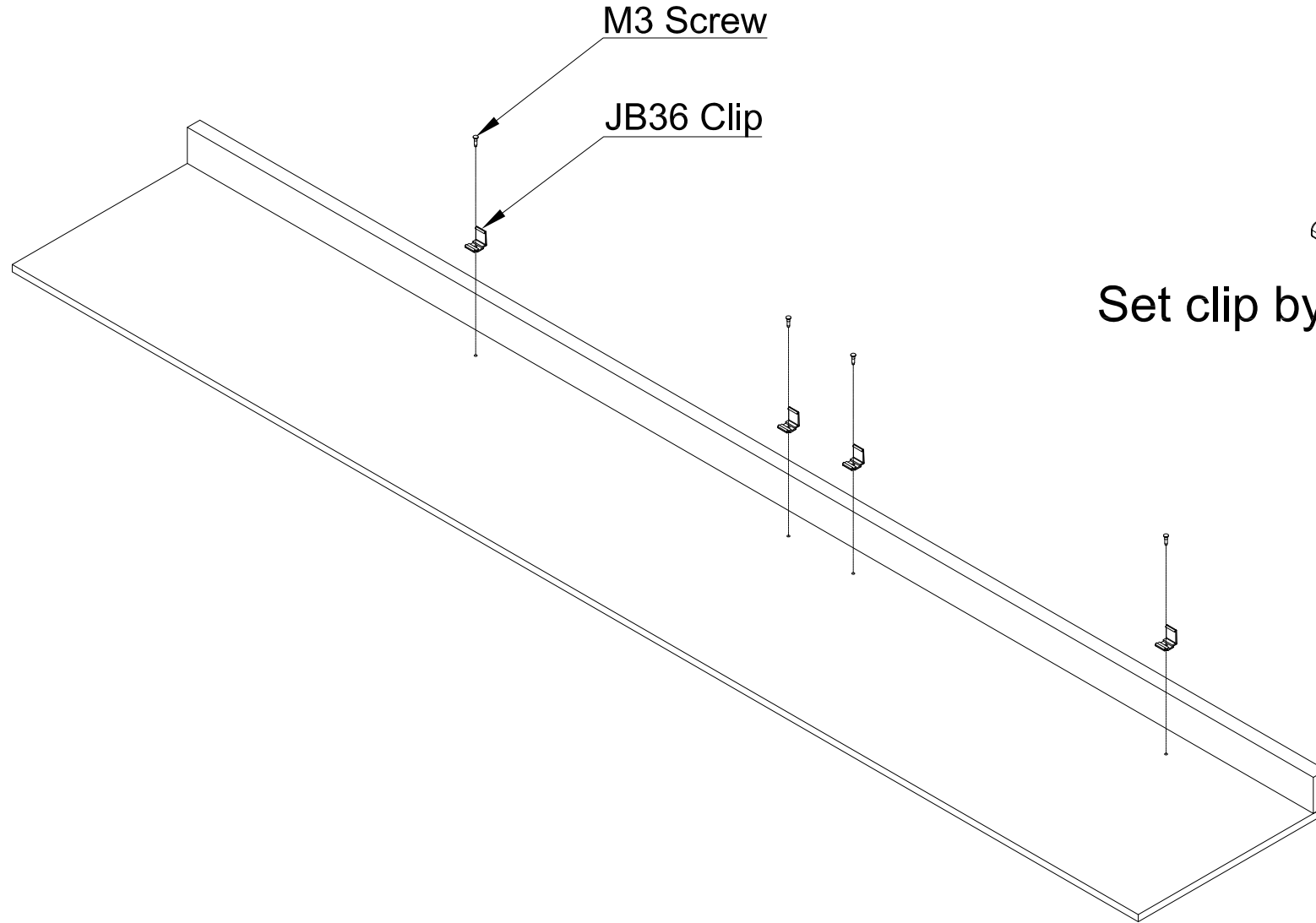
- Mount the LED power supply in the electrical raceway or as near as possible.
- Power supply has 120V 50/60HZ input (primary) and 24V DC output (secondary).
- Using the appropriate wiring diagram included with the driver, connect the original load and neutral wires to the LED power supply input wires (black and white wire) using approved connection method.
- Prior to installing LED Luminary, please check voltage from the Power Supply to ensure proper voltage
- Install LED Luminary into the mounting clips and tighten the small screws to hold the luminary in place. Fasten each luminary to the mounting clip. If using rotating adjustable clip, adjust the luminary as need and tighten the large screws on either side of the clip.
- Connect the LED Luminary male output connector to the female connector first cable going to the power supply.
- Connect the wires from the female connector first cable going to the power supply, to the wires that are coming out of the 24V DC (secondary) output of the power supply, using approved connectors for the application.

**\*\* WIPE ANY METAL SHAVINGS OFF SCREWS AFTER MOUNTING CLIP INSTALLATION AS THEY MAY INTERFERE WITH POWER TRANSFER THROUGH THE MAGNETIC CONNECTION**

# Step 1 JB36-Installation

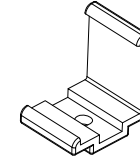


# Step 2 JB36-Installation



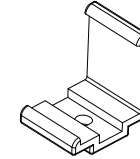
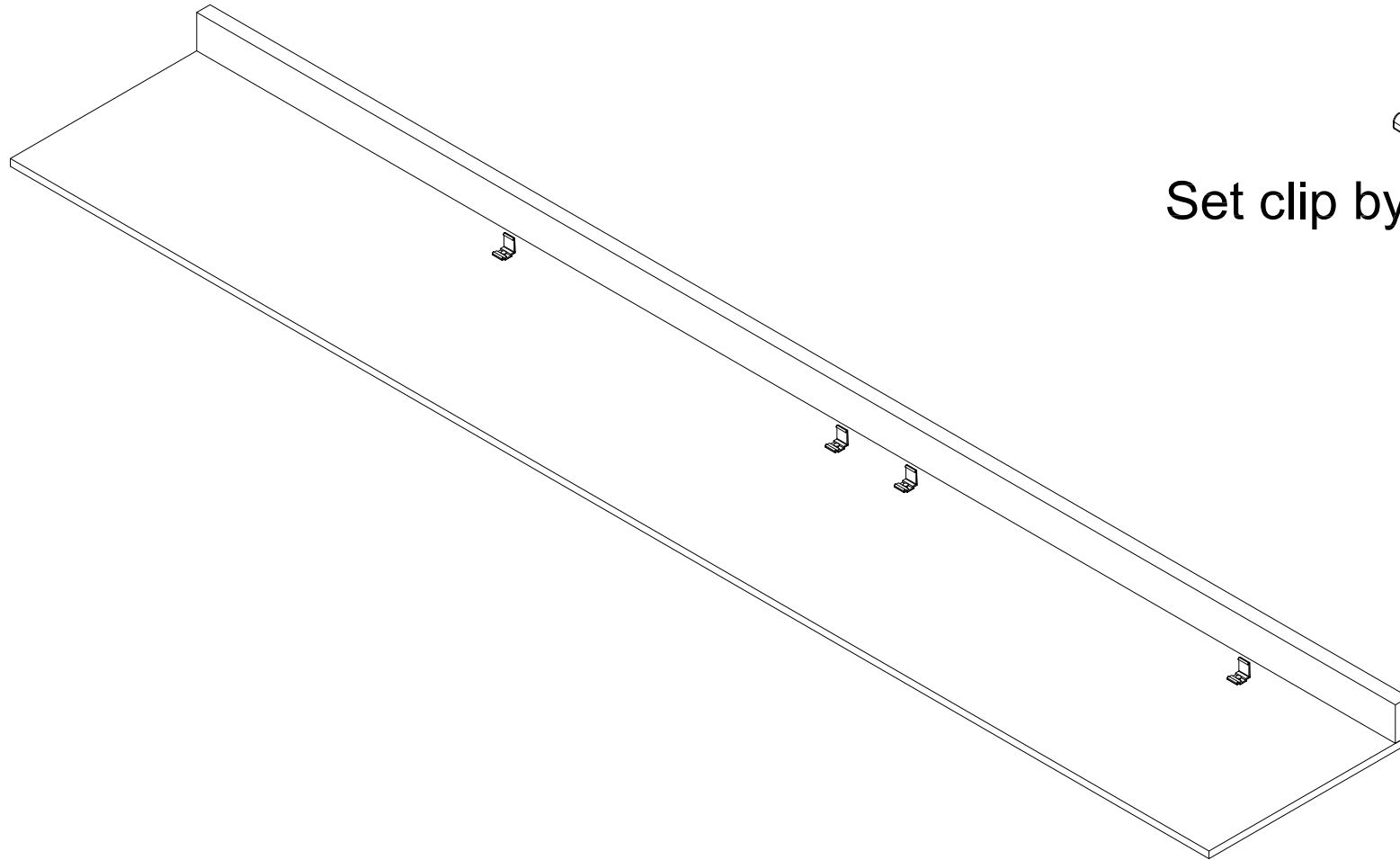
M3 Screw

JB36 Clip



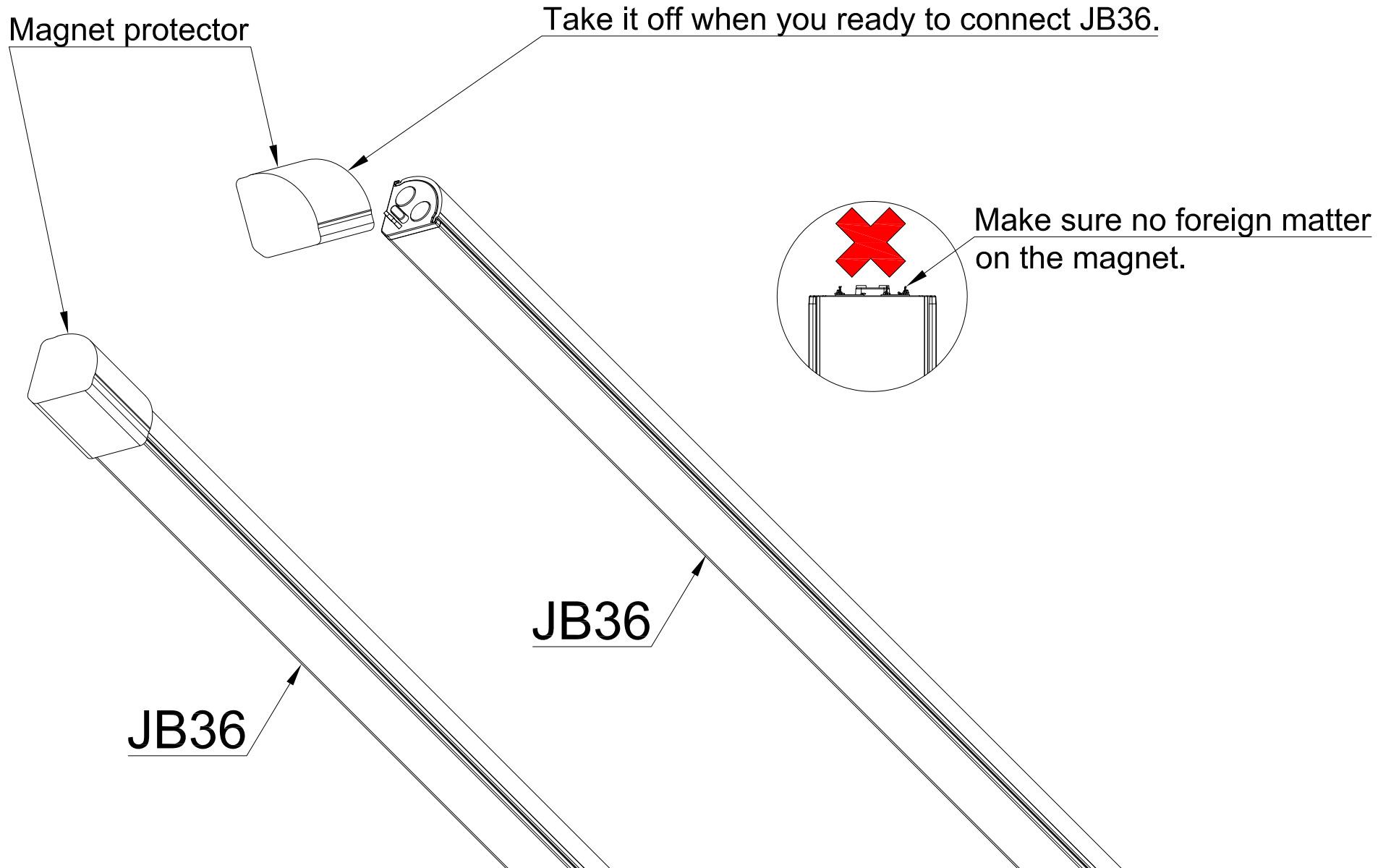
Set clip by locking screws

# Step 3 JB36-Installation



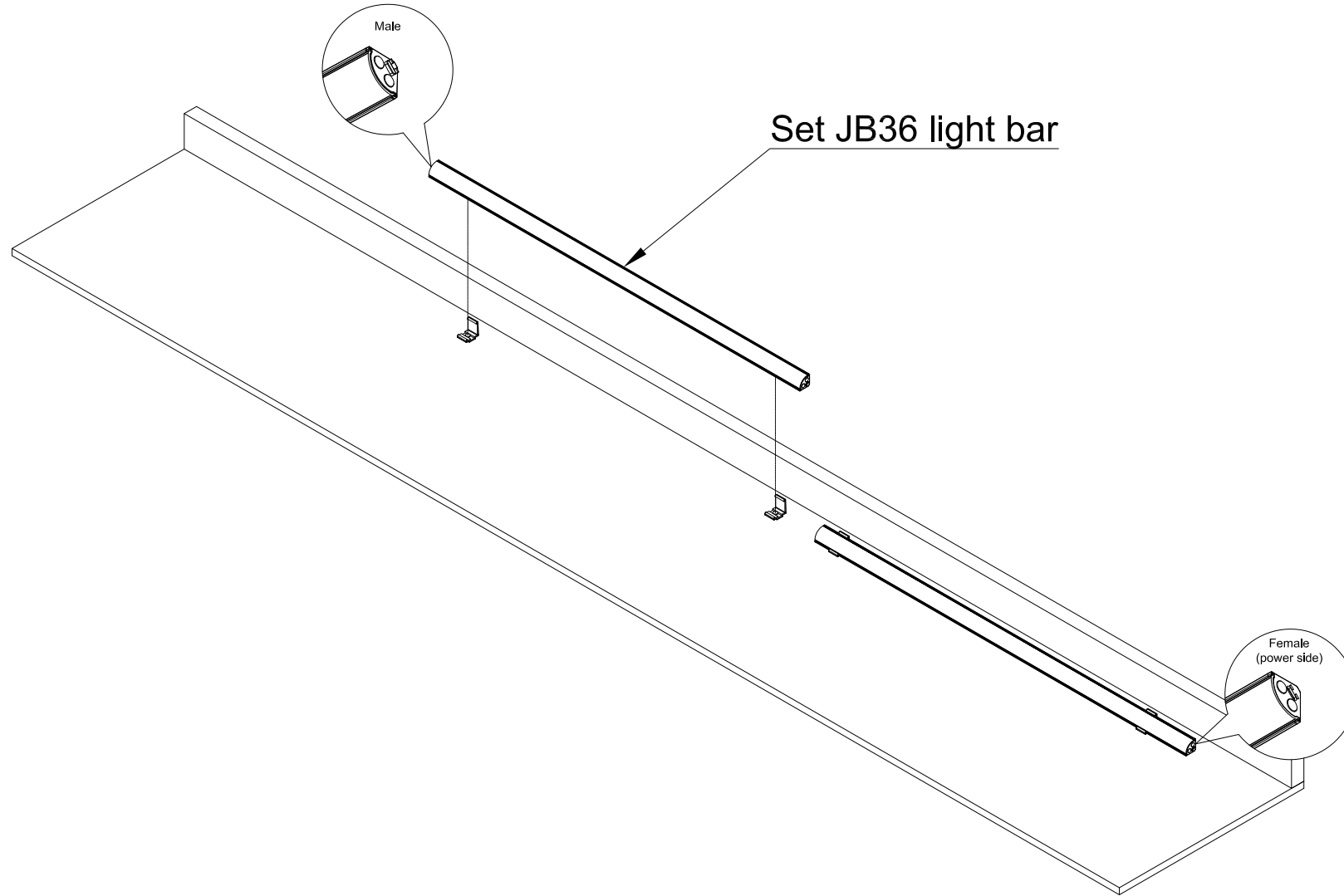
Set clip by locking screws

# Step 4 JB36-Installation

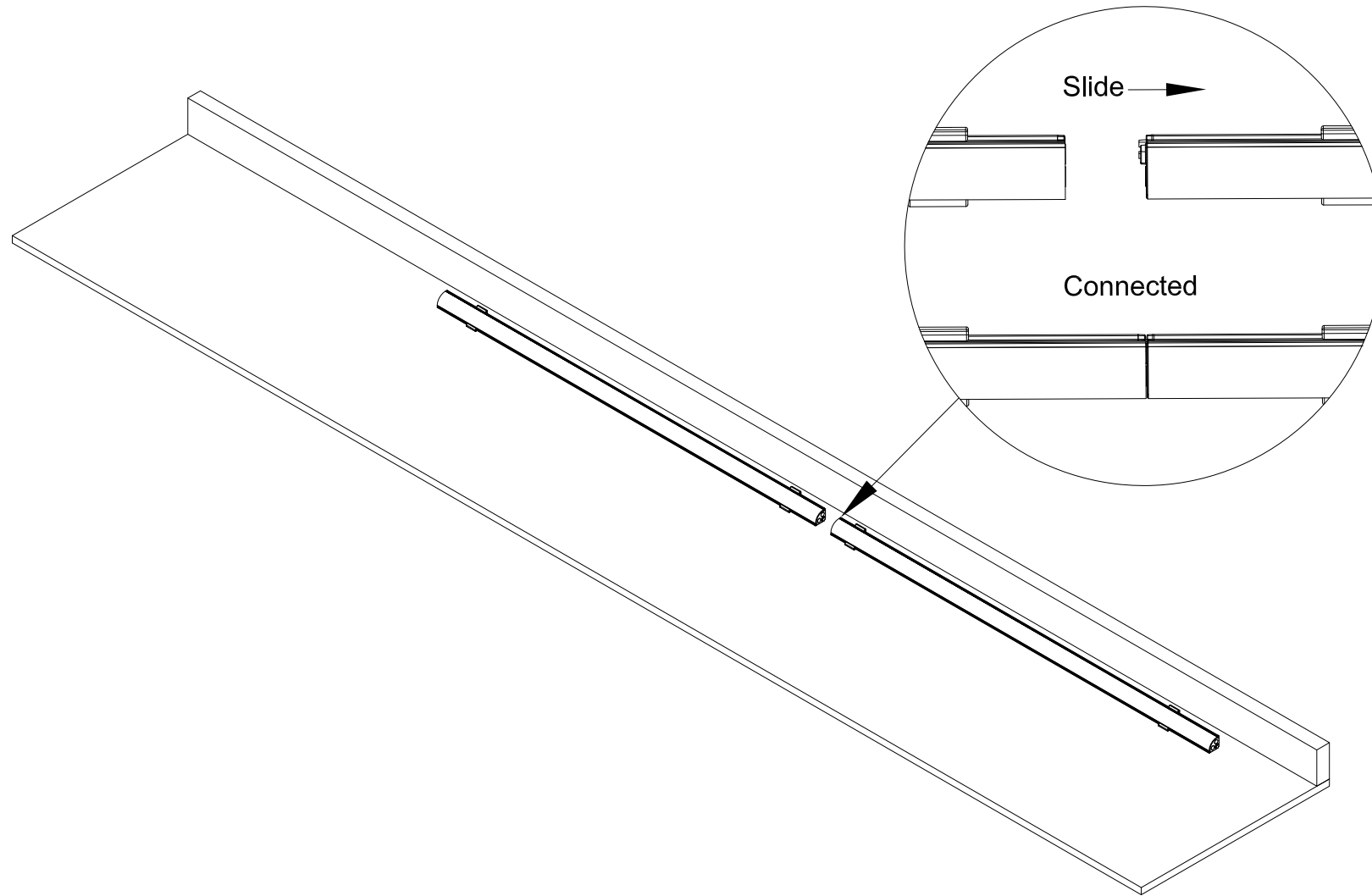




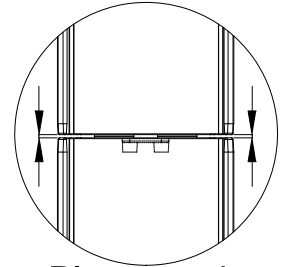
# Step 5 JB36-Installation



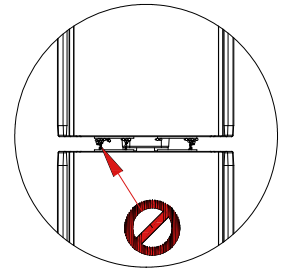
# Step 6 JB36-Installation



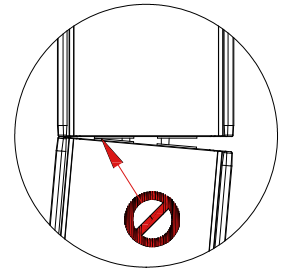
## Caution



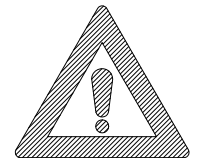
Pins must be plugged in the hole



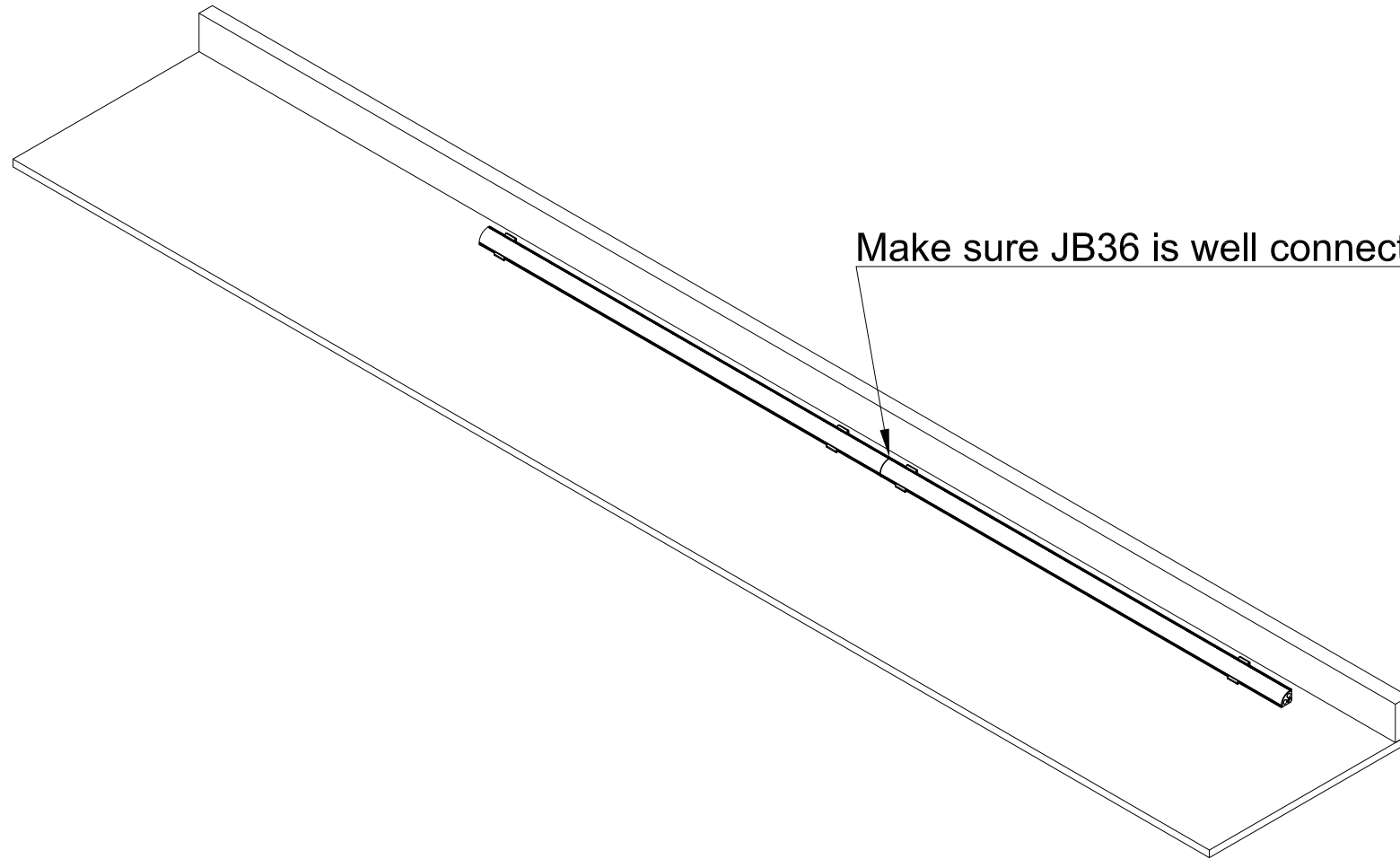
NO foreign matter between the gap



Keep straight

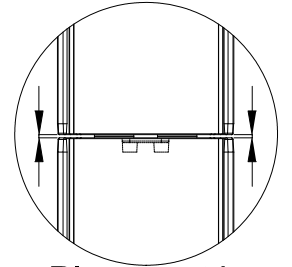


# Step 7 JB36-Installation

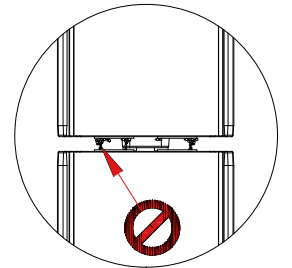


Make sure JB36 is well connected.

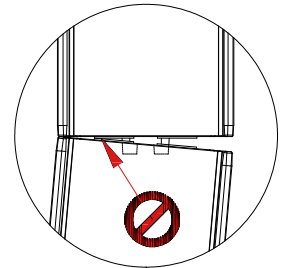
## Causion



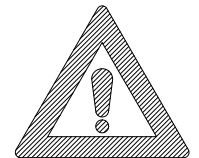
Pins must be plugged in the hole



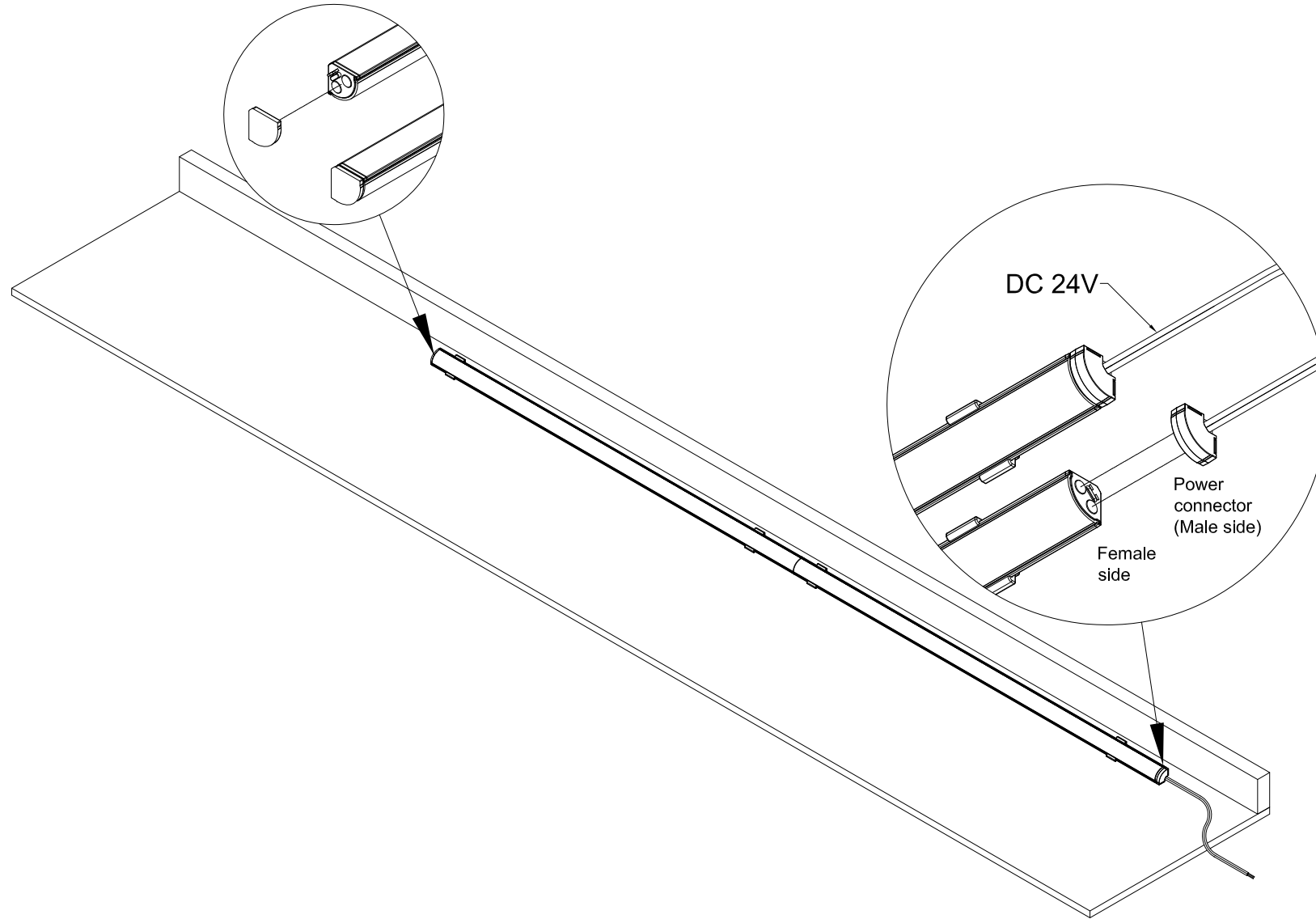
NO foreign matter between the gap



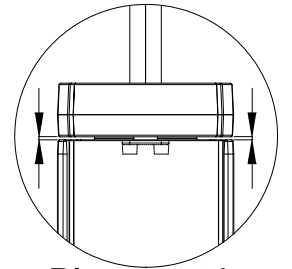
Keep straight



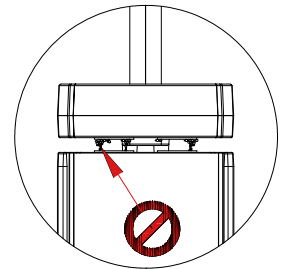
# Step 8 JB36-Installation



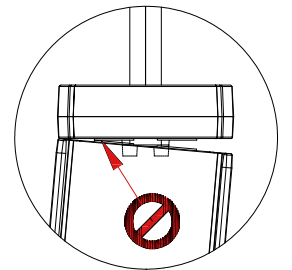
## Caution



Pins must be plugged in the hole



NO foreign matter between the gap



Keep straight

