

# INSTRUCTIONS

## SURFACE PANEL INSTALLATION



RAB Lighting is committed to creating high-quality, affordable, well-designed and energy-efficient LED lighting and controls that make it easy for electricians to install and end users to save energy. We'd love to hear your comments. Please call the Marketing Department at 888-RAB-1000 or email: [marketing@rablighting.com](mailto:marketing@rablighting.com)

SMPFA1x1S20UNVTW  
SMPFA2x2S45UNVTW  
SMPFA1x2RT22UNVTW  
SMPFA1x4RT45UNVTW  
SMP2X2  
SMP2X4



### IMPORTANT

#### READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

RAB fixture must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

#### TO PREVENT ELECTRICAL SHOCK, POWER SHOULD BE TURNED OFF AT THE FUSE BOX BEFORE INSTALLATION.

##### SAFETY WARNINGS:

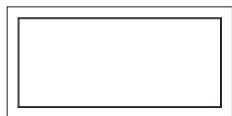
Read all product labels and directions.

- **WARNING – Risk of fire or electric shock.** Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
- Installation should be performed only by a qualified electrician in accordance with the National Electrical Code and relevant local codes. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- **WARNING – To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.**
- **INSTALLATION SHOULD ONLY BE PERFORMED AFTER POWER TO THE FIXTURE HAS BEEN DISCONNECTED.**
- These instructions shall be included on an information sheet packaged with each unit.
- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### WHAT'S IN THE BOX



Fixture (1)



Nut (1)



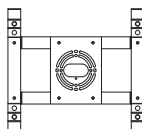
1X1 PANEL Long Screws (2)  
1X2/2X2/1X4/2X4  
PANEL Long Screws (4)



Short Screws (2)

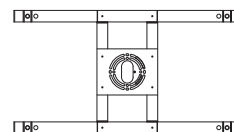


1\*1 Bracket (1) for  
SMPFA1x1S20UNVTW

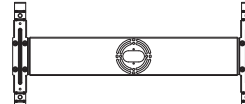


1\*2 Bracket (1) for  
SMPFA1x2RT22UNVTW

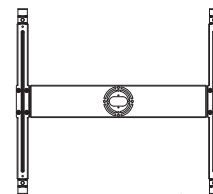
### WHAT'S IN THE BOX



2\*2 Bracket (1) for  
SMPFA2x2S45UNVTW  
SMP2X2



1\*4 Bracket (1) for  
SMPFA1x4RT45UNVTW



2\*4 Bracket (1) for  
SMP2X4

### TOOLS NEEDED

#### Installation with J-BOX

A screw driver is needed for installation

# INSTRUCTIONS

## SURFACE PANEL INSTALLATION

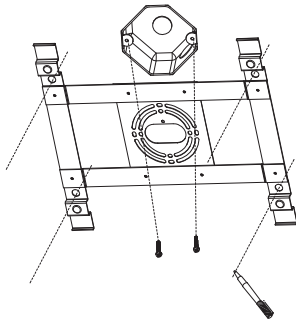


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### INSTALLATION WITH BRACKET

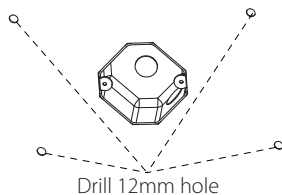
1. Turn-off/disconnect power at circuit breaker. Attach connector (provided) to AC cable from junction box.
2. Align the hole on bracket to the hole on J-BOX. Use pen to mark holes on ceiling. (Fig.1)

Fig: 1



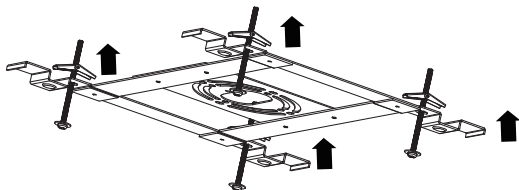
3. Drill 12mm holes. (Fig.2)

Fig: 2



4. Align the bracket to final position (angle). Mount 4 long screws (provided) in ceiling through the bracket. (Fig.3)

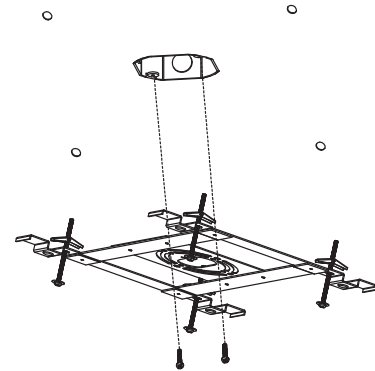
Fig: 3



### INSTALLATION WITH BRACKET (cont'd)

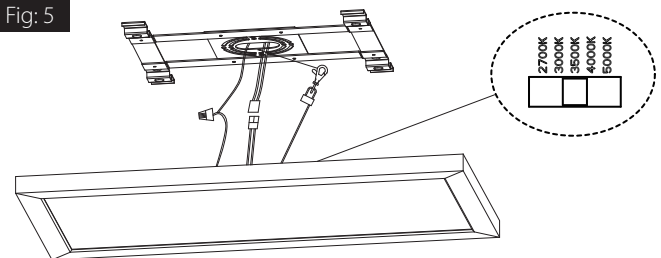
5. Attach the bracket to junction box using 2 short screws (provided). Pull the AC cables through the bracket center hole. (Fig.4)

Fig: 4



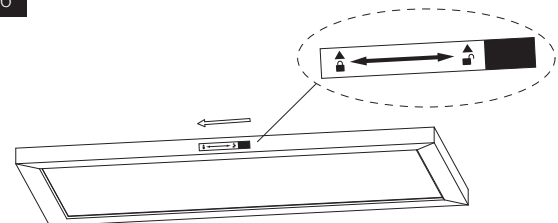
6. Select desired CCT. Slide safety wire into slot of bracket. Rest product on safety wire while doing electrical installation. Do not disconnect safety wire after installation. Make wire connections between fixture and junction box with wire nuts (provided). (Fig.5)

Fig: 5



7. Lift fixture up against bracket. Slide to locked-sign to lock fixture in place. Remove label. (Fig.6)

Fig: 6



**Note:** These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.

# RAB®

## BRACKET DIMENSIONAL DRAWINGS

Technical drawing of a mechanical part, showing a top view and a side view.

**Top View Dimensions:**

- Total width: 170
- Central hole diameter:  $\varnothing 10$
- Left flange outer diameter:  $\varnothing 130$
- Left flange inner hole diameter:  $\varnothing 100 \pm 0,1$
- Left flange inner hole diameter:  $\varnothing 75 \pm 0,1$
- Left flange inner hole diameter:  $\varnothing 40$
- Left flange inner hole diameter:  $\varnothing 14 \pm 0,1$
- Left flange inner hole diameter:  $\varnothing 12 \pm 0,1$
- Right flange outer diameter:  $\varnothing 130$
- Right flange inner hole diameter:  $\varnothing 100 \pm 0,1$
- Right flange inner hole diameter:  $\varnothing 75 \pm 0,1$
- Right flange inner hole diameter:  $\varnothing 40$
- Right flange inner hole diameter:  $\varnothing 14 \pm 0,1$
- Right flange inner hole diameter:  $\varnothing 12 \pm 0,1$
- Central hole diameter:  $\varnothing 10$
- Central hole position: 70 (from left center), 70 (from right center)
- Central hole position: 30 (from left center), 30 (from right center)
- Central hole position: 10 (from left center), 10 (from right center)
- Central hole position: 5 (from left center), 5 (from right center)

**Side View Dimensions:**

- Total height: 200
- Central section height: 52
- Central section width: 10
- Central section position: 70 (from left center), 70 (from right center)
- Central section position: 30 (from left center), 30 (from right center)
- Central section position: 10 (from left center), 10 (from right center)
- Central section position: 5 (from left center), 5 (from right center)

[illegible]

Technical drawing of the 1000 Series Aluminum Extrusion Profile. The drawing includes a side view showing a U-shaped profile with a height of 17mm and a width of 61mm. A cross-sectional view shows a central circular hole with a diameter of 10.5mm and a wall thickness of 1.5mm. The profile is made of 6063-T5 aluminum.