

# INSTRUCTIONS

## MASI® FIELD-ADJUSTABLE CANOPY LIGHT INSTALLATION

# RAB®

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)

**\*\* DON'T TOSS IT—RECYCLE IT! MAKE THE SUSTAINABLE CHOICE BY RECYCLING THIS FIXTURE AT END OF LIFE WITH A LICENSED RECYCLING PROVIDER. \*\***



MASI - 16IN



MASI - 20IN

### IMPORTANT

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

RAB fixtures 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.

**WARNING:** Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.

#### CAUTION:

- For proper weatherproof function all gaskets must be seated properly and all screws and plugs inserted and tightened firmly.
- ONLY INSTALL FIXTURE WITH LENS FACING DOWNWARD.
- Above Canopy Deck should be clear of obstruction and/or debris.
- Fixture can ONLY be installed in a Canopy with 1.8in thickness or less.
- Suitable for installation in accessible ceiling only.

### SINGLE DECK CANOPY MOUNTING

THE FIXTURE CAN ONLY BE INSTALLED IN A CANOPY WITH THICKNESS 1.8 INCH OR LESS.

To mount in a single deck canopy with a 4-inch diameter hole at center of **Canopy Deck** (allowing clearance for the Driver Box and Screws for the Mounting Plate) follow the steps below.

1. Drill a 4-inch Diameter Hole and 4 Screw Mounting Holes (0.26" Diameter) in **Canopy** as shown in Fig. 1 or 2 per Fixture size.
2. Screw the **Aluminum Tube** (provided) into the **LED Array**. Secure the **LED Array** to the under side of **Canopy** with (4) **Hex Socket Screws** and (4) **Nuts** (hardware provided). Screw the **Mounting Plate** into the **Aluminum Tube** and make tight against the **Canopy** (Fig. 3, 4 & 5).
3. Open the **Driver Box**, pass **Aluminum Tube** and housing leads through the hole on the underside of the **Driver Box**. Fix the **Driver Box** to **Aluminum Tube** with (2) **Threaded Collars** and feed power supply wires through one of the 3/4" Knockouts Holes. Connect the wires inside the **Driver Box** according to wiring diagram (Fig. 7). Use appropriate UL approved wire connectors as required by code to complete wiring.

**WARNING:** To prevent wiring damage or abrasion, do not expose wiring to edges of sharp objects.

4. **Make desired Field-Adjustment settings for Color Temperature (CCT) and Power (W) as shown in Fig. 6.**
5. Close and secure the **Driver Cover Box** to complete installation (Fig. 5)

Fig: 1 MASI 100/150W

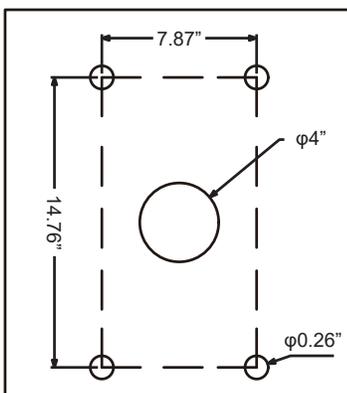
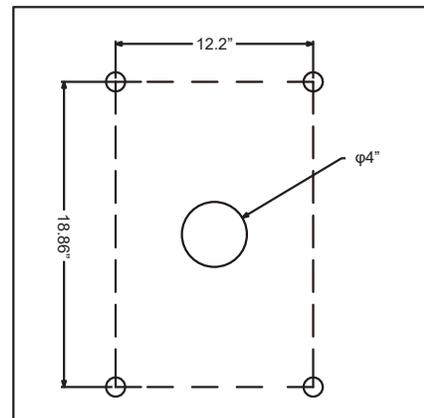


Fig: 2 MASI 200W



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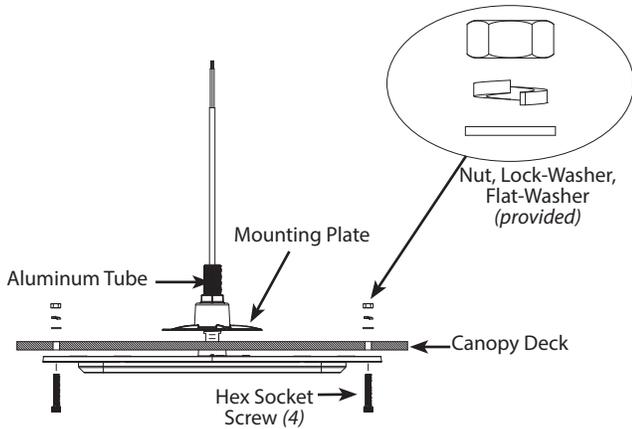
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Fig: 3



### FIELD-ADJUSTMENT

Follow instructions below to change Fixture **Power (W)** and/or **Color Temperature (CCT)** from factory settings.

#### Factory Settings:

MASI 16L / MASI 16L/480	100W/4000K
MASI 16 / MASI 16/480	150W/4000K
MASI 20 / MASI 20/480	200W/4000K

1. Locate the **Selector Switches** in the **Driver Box** as shown in Fig. 6.
2. Select **Color Temperature (CCT)** and/or **Power (W)** by sliding the respective switch to the desired setting.

Fig: 4

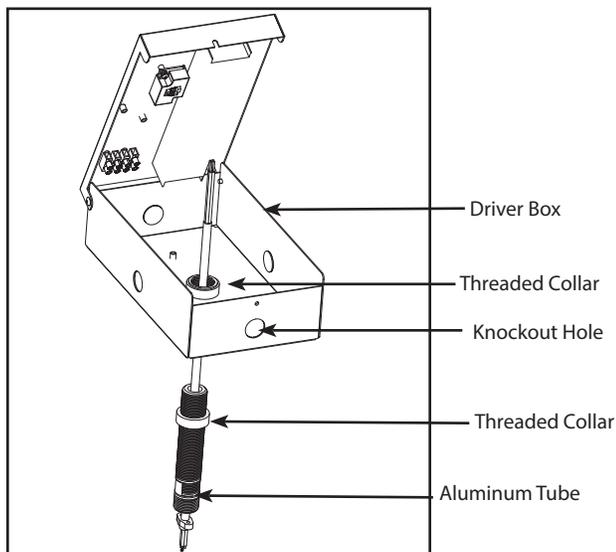


Fig: 5

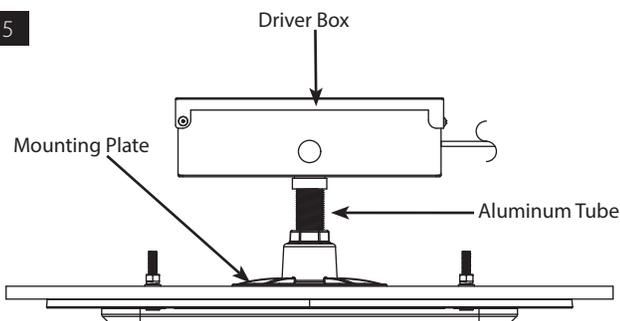
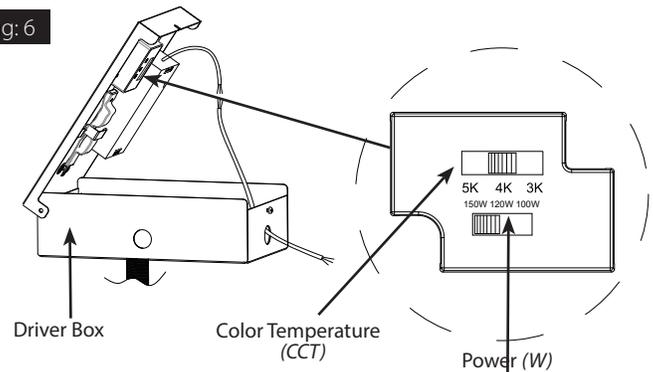


Fig: 6

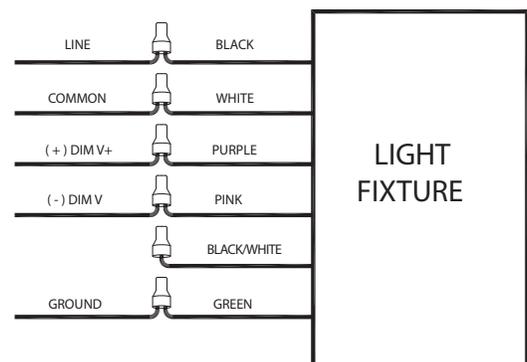


### 0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V through 277V, 50/60Hz. Units ordered with /480 suffix are 480V ONLY 50/60Hz. For 0-10V dimming follow wiring directions as shown in Fig. 7.

1. Connect the **black** fixture lead to the **LINE** supply lead.
2. Connect the **white** fixture lead to the **COMMON** supply lead.
3. Connect the **GROUND** wire from fixture to supply ground. **DO NOT** connect the Ground of the dimming fixture to the output.
4. Connect the **purple** fixture lead to the **(V+) DIM** lead.
5. Connect the **pink** fixture lead to the **(V-) DIM** lead.
6. Cap yellow fixture lead if present. **DO NOT** connect.

Fig: 7



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### CLEANING & MAINTENANCE

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**CAUTION:** *Be sure fixture temperature is cool enough to touch. Do not clean or maintain while fixture is energized.*

1. Clean glass lens with non-abrasive cleaning solution.
2. Do not open fixture to clean the LED. Do not touch the LED.

### TROUBLESHOOTING

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1. Check that the line voltage at the fixture is correct. Refer to wiring directions.
2. Is the fixture grounded properly?

*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.*



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MASI - IN - 0326  
P-102649

#### Easy Answers

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