IMPRESSION

23.1W, INTEGRAL 120VAC OR REMOTE 350mA

installation instructions

INSTRUCTIONS PERTAINING TO RISK OF FIRE OR INJURY TO PERSONS. READ ALL INSTRUCTIONS. IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS.

DANGER - RISK OF SHOCK - DISCONNECT POWER BEFORE INSTALLATION! Please read all instructions before installation.

- Keep these instructions for future reference.
- Must be installed by a qualified electrician in accordance with national and local standards. Designplan is not responsible for fixtures installed without regard to these standards.
- The main power connection must be in accordance with local electrical codes.
- Unauthorized alterations or tampering of product voids warranty.
- Suitable for INDOOR applications.

Intertek **IP20**

Electrical Connections:

- LED lights must be **connected in series** respecting polarities.
- **CHOOSE POWER SUPPLY ACCORDINGLY**. Please consider the voltage through which fixtures are fed as well as the max power consumption.
- **Connect power only if all fixtures are connected.**
- The power supplies MUST be installed in aerated rooms, far from heat sources. Overworking or lack of air circulation will not permit natural dissipation.
- The electronic power supply is current-stable, therefore it partially compensates the voltage-drop problems related to the cable length; we suggest not to exceed 100 ft.
- Use only Class 2 type electronic power supply.
- Never use switches on secondary circuit.

ATTENTION: **For Wall / Ceiling** - It is the contractor's responsibility to caulk around all the edges between the fixture and the mounting surface to satisfy wet label requirements.

Maintenance

Scheduled maintenance must be carried out once a year on all lighting devices, regardless of appliance class and type of use. It must include the following operations:

- Periodically clean fixtures to remove dirt from gratings and screw heads.
- Check tightness of screws on various parts of the device.
- Check that all cable glands and cables are intact and tight. Check that the glass or plastic lens is intact, and replace it if broken or damaged.
- The internal components such as the ballast, driver, washers and screws must not show clear signs of oxidation or rust. Clear traces of rust and oxidation will indicate the presence of water inside the device.
- In the case of damage, the components must be replaced by original components or spare parts.

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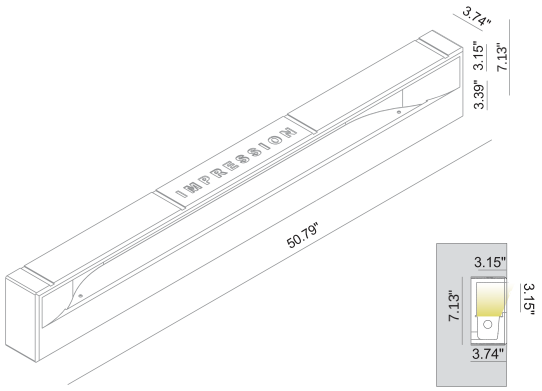
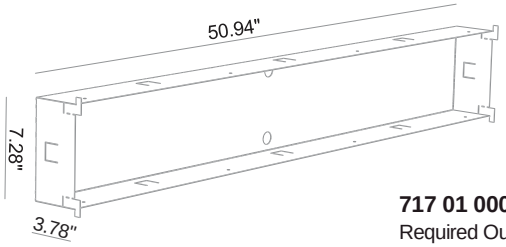
FIXTURE DIMENSION:



Ceiling Cut-Out: 7.32” x 50.98”

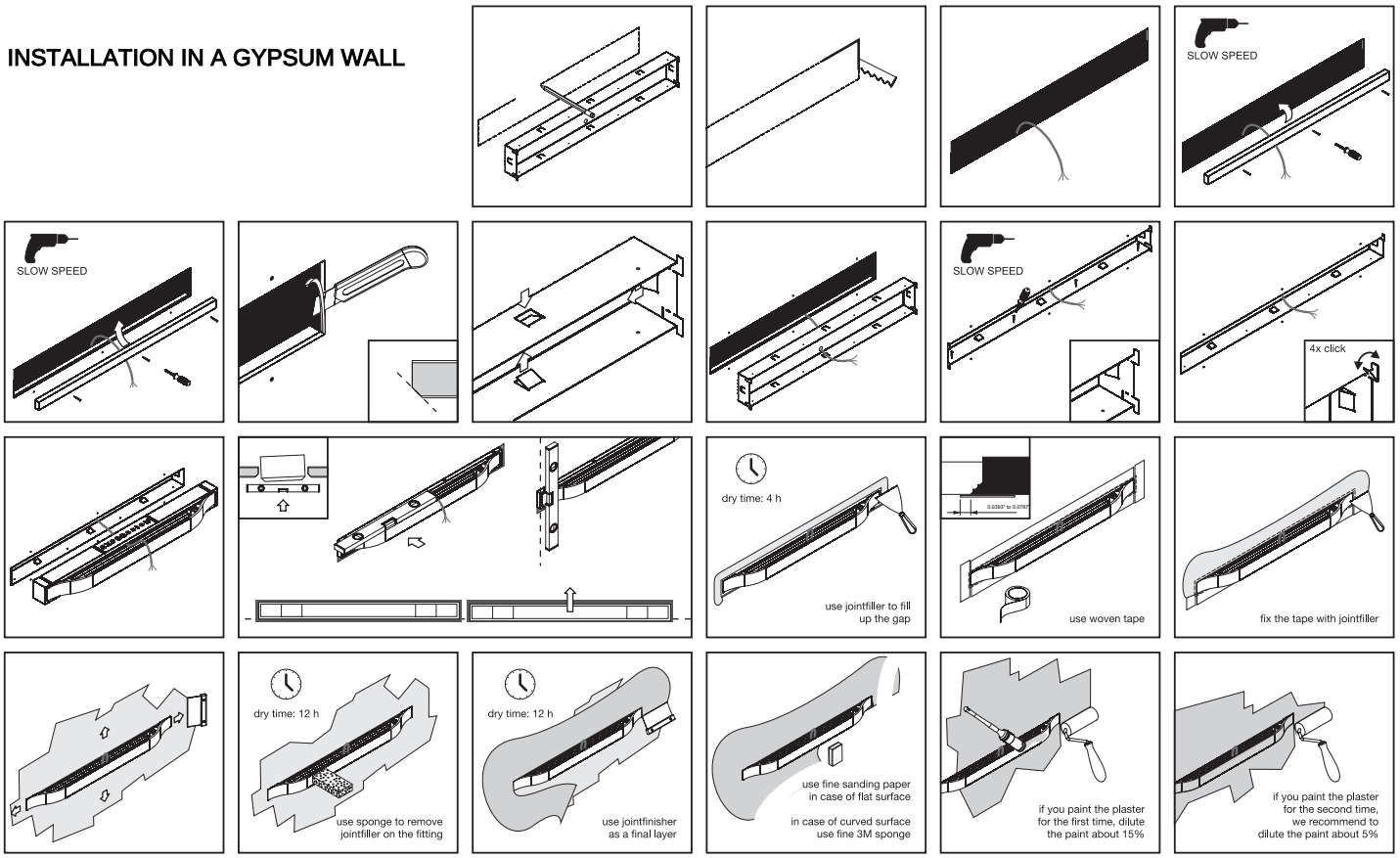
REQUIRED ACCESSORIES



717 01 000
Required Outer Casing
Housing: perforated aluminum

FIXTURE INSTALLATION

INSTALLATION IN A GYPSUM WALL



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IMPRESSION

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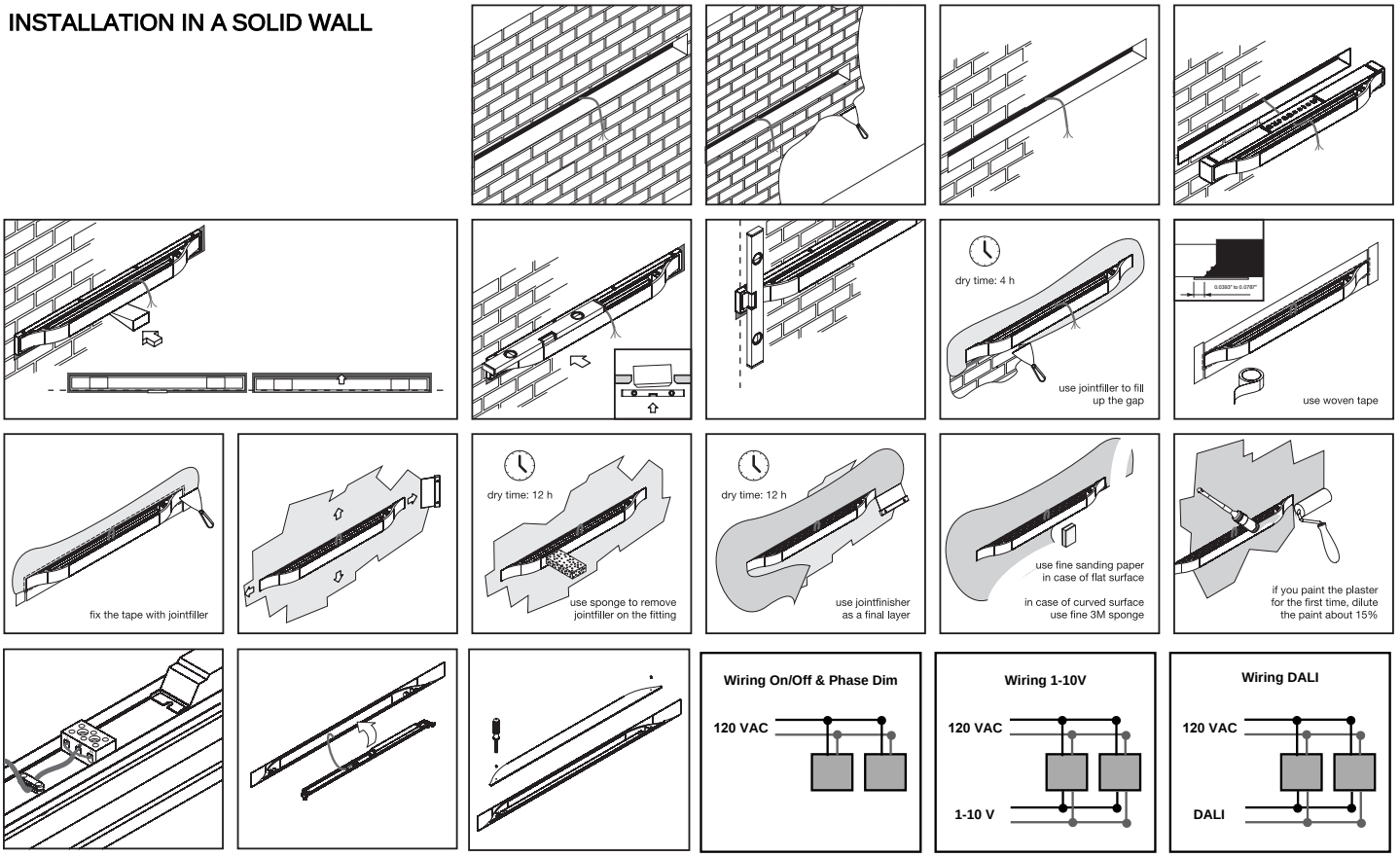
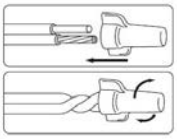
INSTALLATION IN A SOLID WALL



ELECTRICAL CONNECTION

NOT SUPPLY



- Use gel-filled waterproof wire-nuts for wire connections.
- It is the contractor's responsibilit y to install Remote Driver in a suitable electrical enclosure.

MUST ONLY BE INSTALLED BY QUALIFIED ELECTRICIANS
DO NOT TOUCH OR CLEAN LED ARRAYS !
LED DRIVERS MUST NOT EXCEED THE MAX DRIVE CURRENT AS SPECIFIED ON THE LED LABEL

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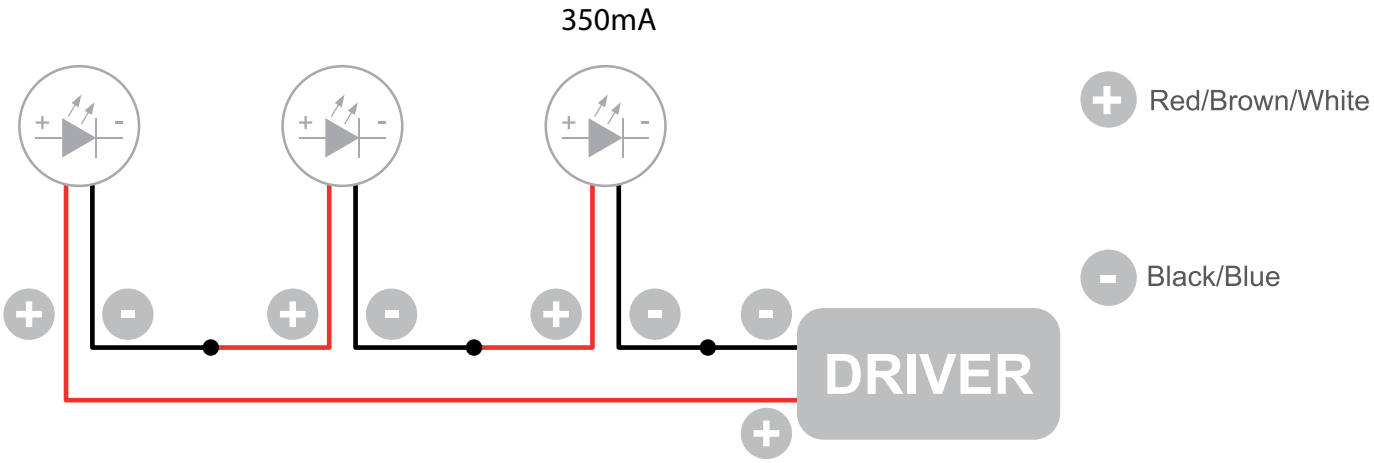
Wiring Diagram

Single Fixture Connection:

Multiple Fixtures Connection in Series:



The individual lamps must be connected in series.
Only power up the system once all the lamps have been connected.

LED Power Supply and Installation Guidelines

This **LED fixture operates on constant current**, and proper selection and installation of the power supply are critical to ensure performance and longevity.

- When selecting a power supply unit, ensure it matches the **required drive current** and supports the **maximum power consumption** of the connected fixtures.
- **Power on the system only after all fixtures are connected.** Connecting a single fixture to an active power supply may result in **over-voltage damage** to the LED.
- While **constant current power supplies** can compensate to some extent for **voltage drop** over longer cable runs, it is recommended to **limit cable length to 100 feet** to maintain performance.
- Fixtures and power supplies must be installed in **well-ventilated areas or enclosures** to allow for **natural heat dissipation** and prevent overheating.
- A **surge protection device** should be installed on the power system to help prevent damage from voltage spikes.
- This fixture is **not suitable for installation under thermal insulation materials**, as this can cause overheating and potential failure.

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