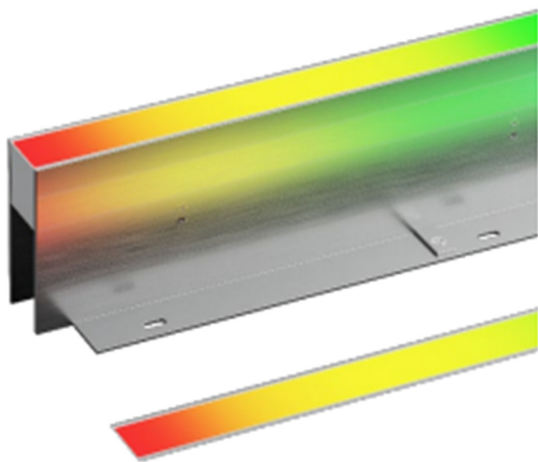


## ScapeDirect

RGBW Trimless Direct View



# INSTALLATION GUIDE

### **Important Note:**

This installation guide is intended for reference purposes only. All installations should comply with local laws, regulations, and site-specific conditions. The recommendations provided are general guidelines and may require adjustments based on the actual site situation. Always consult a qualified professional for final installation decisions.



WARNING:

- This product must be installed according to national and local electrical codes by a qualified individual familiar with the construction, operation, and associated risks.
- Failure to follow the installation instructions may result in serious injury or death.
- Disconnect power before installation or maintenance to avoid electrical shock.
- Do not exceed the rated voltage of the fixture.
- Do not install if the fixture, parts, or connectors are damaged.
- The fixture is rated IP67 and is suitable for outdoor inground applications, but **must not** be submerged in standing water beyond its ingress protection rating.
- Ensure proper drainage around the installation site to avoid water pooling or flooding that may compromise performance.

**CAUTION:** Unauthorized modifications or repairs will void the warranty.

| ELECTRICAL SPECIFICATIONS FOR SCAPEDIRECT                                  |             |           |
|----------------------------------------------------------------------------|-------------|-----------|
| Series                                                                     | ScapeDirect |           |
| Input Voltage Range                                                        | 24VDC       |           |
| Length                                                                     | 7W          | 12W       |
| Power                                                                      | 590mm       | 1000mm    |
| Max. Power Linking                                                         | 14 nos.     | 8 nos.    |
| Max run length is for interlink and leading cables (Fixtures not included) | 25 meters   | 25 meters |

Remark:

- Please be aware that mounting screws and hex-head bolts are not included with your purchase. Installers will need to supply these items for installation. We recommend using stainless steel screws to prevent corrosion.
- The actual maximum daisy chain limit may vary based on the gauge of the leading cable and the specific installation conditions. The values provided are recommended guidelines and should be considered as such. Please ensure that all installations comply with local electrical codes and safety standards.

# INSTALLATION INSTRUCTIONS

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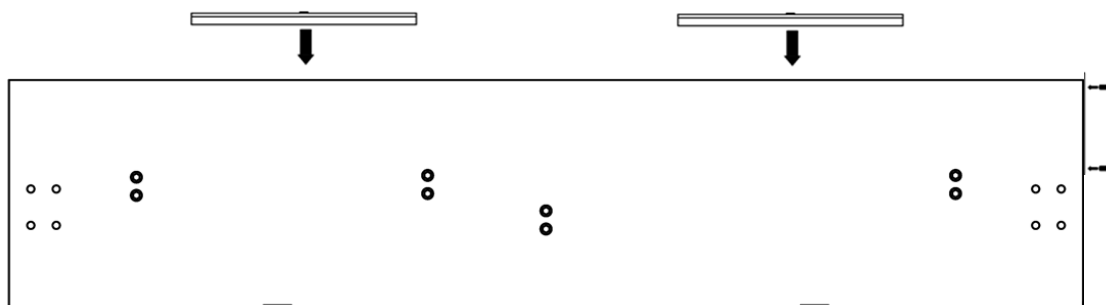
## INSTALLATION

### STEP 1) Test Drainage

To confirm the drainage piping's effectiveness, ensure that the volume of water equivalent to the mounting box's capacity fully drains within a 30-minute period. The proper drainage material must support the entire length of the mounting box to ensure it can withstand a resistance of 1000kg.

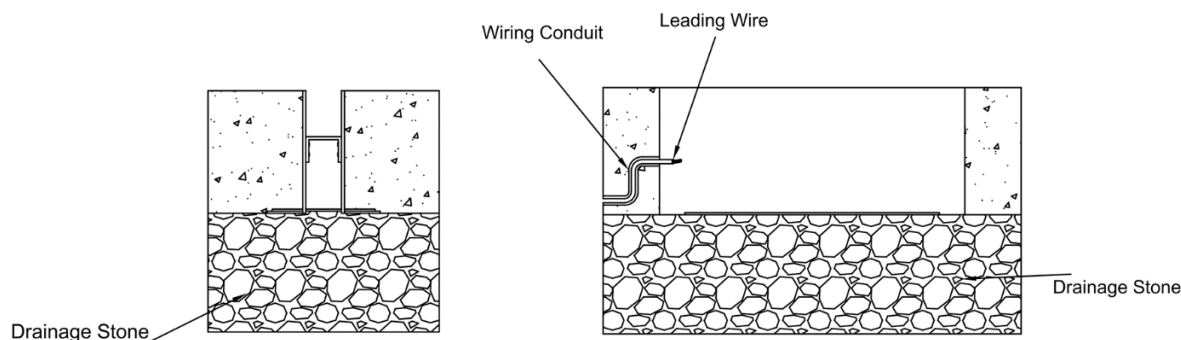
### STEP 2) Secure Acrylic Support Insert

Carefully place the Acrylic Support Insert (provided by others) into the mounting sleeve. Ensure the mounting sleeve maintains its shape during the concrete pouring process, prior to installing the light fixtures.



### STEP 3) Prepare Ground:

Ensure the ground hold is properly prepared, including the installation of appropriate drainage piping and wiring conduit.



# INSTALLATION INSTRUCTIONS

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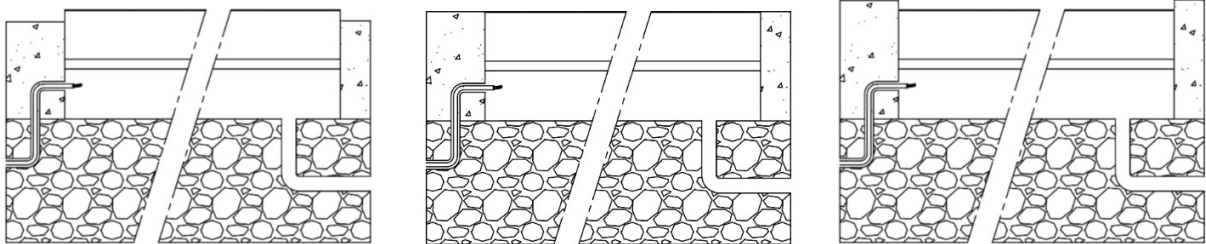
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## INSTALLATION

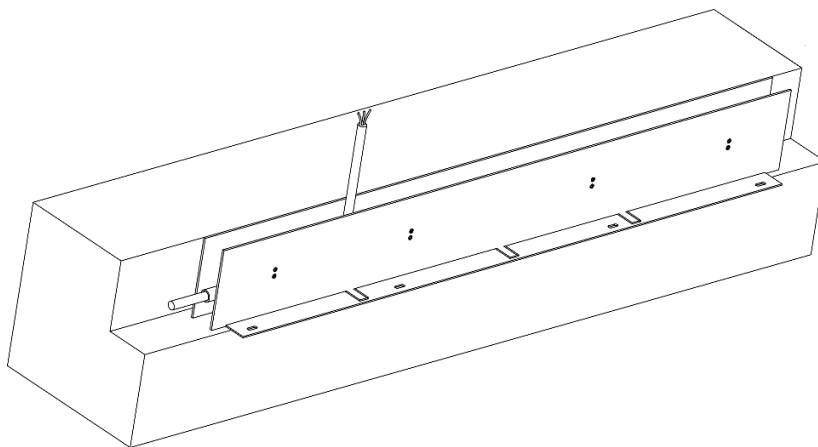
### STEP 4) Level the mounting sleeve

Recessing mounting sleeve must be installed on a level surface to prevent water collecting or creating a hazard.



### STEP 5) Thread the cable through the cable conduit

Thread the cable through the cable conduit. Please make sure leave enough length for maintenance purposes. The specific length of the cable will vary depending on the conditions at the site.



### STEP 6) Luminaire Installation:

Route the electrical cable through the conduit or establish the necessary electrical connections to the incoming cabling located outside the mounting box. After completing the electrical connections, neatly arrange and secure the cable inside the box.

# INSTALLATION INSTRUCTIONS

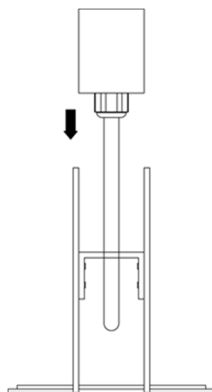
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## **STEP 7) Luminaire Installation:**

Route the electrical cable through the conduit or establish the necessary electrical connections to the incoming cabling located outside the mounting box. After completing the electrical connections, neatly arrange and secure the cable inside the box



# INSTALLATION INSTRUCTIONS

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## WARNING:

- Ensure the **ScapeDirect** is connected to a properly regulated DC power source with suitable overcurrent protection, such as a fuse or circuit breaker, to prevent electrical hazards.
- Disconnect all cables and the fixture from the DC power source completely before performing any maintenance or repair work.
- Take precautions to prevent accidental reconnection of the power supply during maintenance.
- Verify that the voltage and polarity specified on the product label match the output of the DC power supply before powering on the fixture.

## IMPORTANT:

- All **ScapeDirect** models include a pre-installed power and data cable combined tail, suitable for direct connection to power supply and DMX signal source.
- Fixtures must be connected in a "daisy-chain" configuration, with the DMX signal routed through a single chain supporting up to a maximum of **32** fixtures.
- External connections must be enclosed in waterproof junction boxes or as required by local regulations, laws, or codes.
- Cable ends on **ScapeDirect** fixtures should be kept free from water or moisture, as the cooling process can create a vacuum that may draw moisture along the cable into the fixture.
- Ensure there is sufficient slack in the cable during installation to allow the fixture to be easily lifted for servicing without disconnecting the cables.

## POWER DATA CABLES AND CONNECTIONS

### Wire Identification Schemes Table:

| CABLE                  | DIMMING   | FUNCTION | CORE   | WIRE SIZE          |
|------------------------|-----------|----------|--------|--------------------|
| Power and Data lead in | DMX / RDM | DC+      | Red    | 1.0mm <sup>2</sup> |
|                        |           | DC-      | Black  | 1.0mm <sup>2</sup> |
|                        |           | DMX+     | Yellow | 0.3mm <sup>2</sup> |
|                        |           | DMX -    | Blue   | 0.3mm <sup>2</sup> |
|                        |           | DMX GND  | Green  | 0.3mm <sup>2</sup> |

# INSTALLATION INSTRUCTIONS

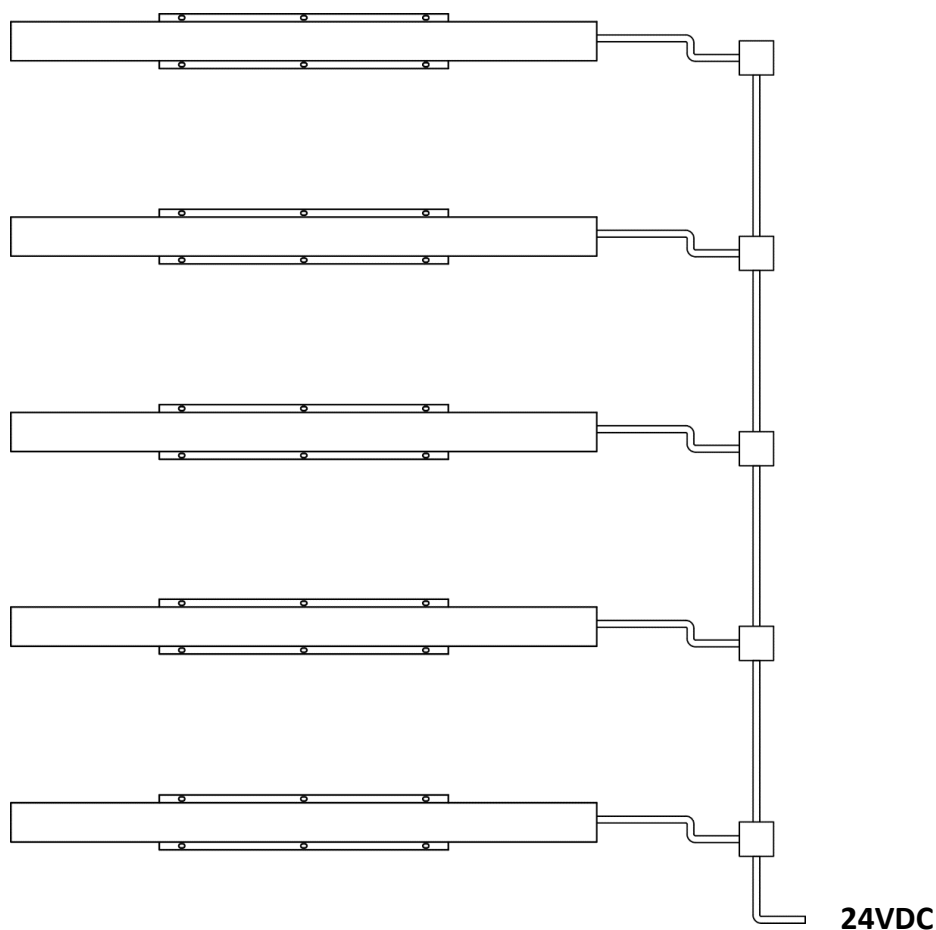
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## Connection Schematic:

For daisy chain connections, please follow the illustrated diagram for proper connection. These fixtures are interconnected using a junction box.

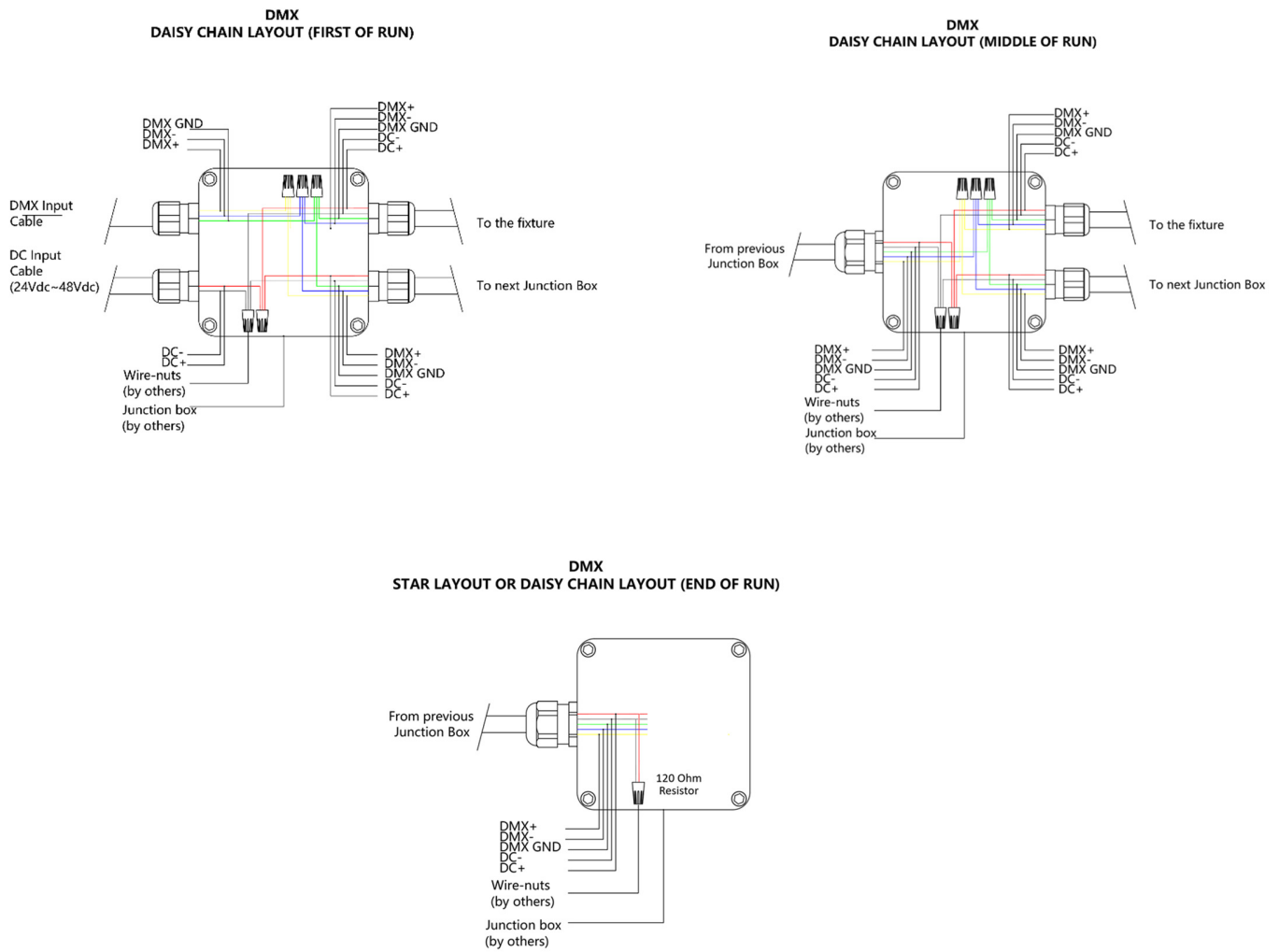


# INSTALLATION INSTRUCTIONS

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### Wiring Schematic:



info@luminoscape.com

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# INSTALLATION INSTRUCTIONS

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## INSTALLATION COMPLETION CHECKLIST

| Checklist Category              | Task                                                                                                           | Completed (✓) |
|---------------------------------|----------------------------------------------------------------------------------------------------------------|---------------|
| General Preparation             | Verify all inground linear lighting components are present and undamaged (fixtures, sleeves, cables, etc.).    |               |
|                                 | Confirm the DC power supply matches the voltage specified on the product label.                                |               |
|                                 | Ensure the circuit breaker or fuse, ground fault protection, and power disconnect device are installed.        |               |
| Mounting and Sleeve Preparation | Check that the mounting sleeves are installed correctly and remain undamaged after concrete pouring.           |               |
|                                 | Ensure the fixtures are securely attached to the mounting sleeve using the mounting plate and screws.          |               |
| Drainage and Sealing            | Test drainage by confirming the mounting box drains its water capacity completely within 30 minutes.           |               |
|                                 | Verify the cable gland or conduit connection is tightly sealed to prevent water leakage.                       |               |
| Electrical Connections          | Confirm all power and data cables are securely connected and meet the recommended wiring standards.            |               |
|                                 | Verify proper grounding of the fixture for safety and compliance.                                              |               |
|                                 | Ensure DMX/RDM cable are terminated correctly to prevent signal interference.                                  |               |
| Safety and Testing              | Confirm that power is disconnected before performing any adjustments or maintenance.                           |               |
|                                 | Test the installation for proper functionality, including DMX addressing and control settings (if applicable). |               |
|                                 | Inspect for any exposed wiring, loose connections, or mechanical stress on cables.                             |               |
| Final Inspection                | Ensure setback distances are applied correctly for optimal lighting performance.                               |               |
|                                 | Verify that the installation complies with all national and local electrical codes.                            |               |