
Safety

Before installing or performing routine maintenance upon this equipment, follow the general precautions listed in this section.



WARNING: RISK OF ELECTRIC SHOCK

- May result in serious injury or death. Disconnect or turn off power before installation or maintenance.
- The device may only be connected and installed by a qualified electrician. All applicable regulations, legislation and building codes must be observed. Incorrect installation of the device can cause irreparable damage to the device and the connected LEDs.
- Verify that supply voltage is correct by comparing it with the product information.
- Make all electrical and grounded connections in accordance with all applicable local code requirements.



WARNING: RISK OF BURN OR FIRE

- Do not exceed maximum wattage, ratings, or published operating conditions of product.
- Do not overload.
- Follow all manufacturer's warnings, recommendations and restrictions to ensure proper operation of product.



CAUTION: RISK OF DAMAGE DUE TO ESD

- Electrostatic Discharge (ESD) can damage product(s). Personal grounding equipment must be worn during all installation of the unit.
- Do not touch individual electrical components as this can cause ESD and affect product performance.



CAUTION: RISK OF PRODUCT DAMAGE

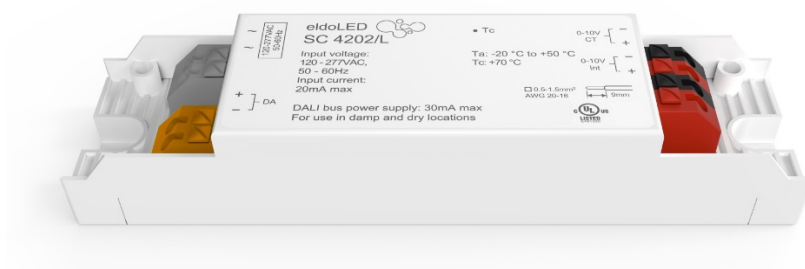
- Pay attention when connecting the LEDs: polarity reversal results in no light output and often damages the LEDs.
 - Do not stretch or use cable sets that are too short or are of insufficient length.
 - Do not tamper with contacts.
 - Do not modify the product.
 - Do not change or alter internal wiring or installation circuitry.
 - Do not use product for anything other than its intended use.
 - Do not install damaged product! This product has been properly packed so that no parts should have been damaged during transit. Inspect to confirm.
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SC 4202/L: a 0-10V to DALI translator

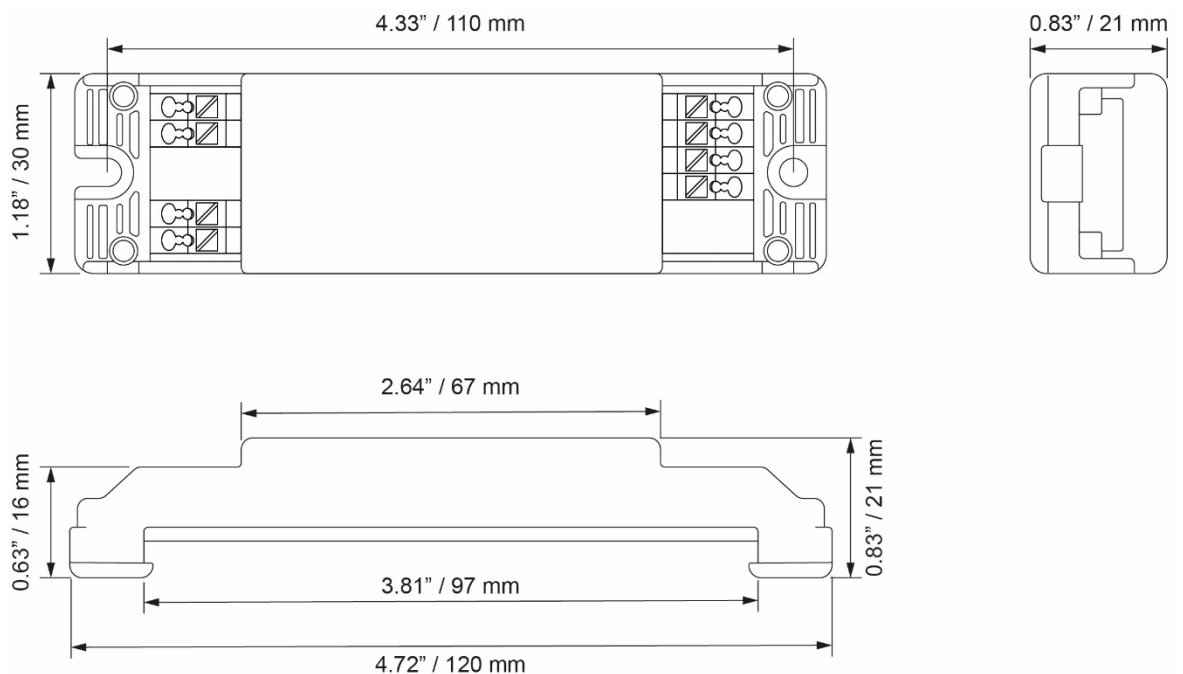
The SC 4202/L translates 0-10V control signals into a DALI signal for the LightShape-enabled eldoLED DUALdrive.

The device is intended for indoor use, to be installed completely enclosed within the end user listed enclosure in accordance with the manufacturer installation instructions and in compliance with NEC.

The 0-10V intensity control input will translate to DALI Group 0 (G0) and the 0-10V color temperature control input will translate to control output DALI Group 1 (G1). The SC 4202/L can support up to 15 LED drivers.



Dimensional drawings

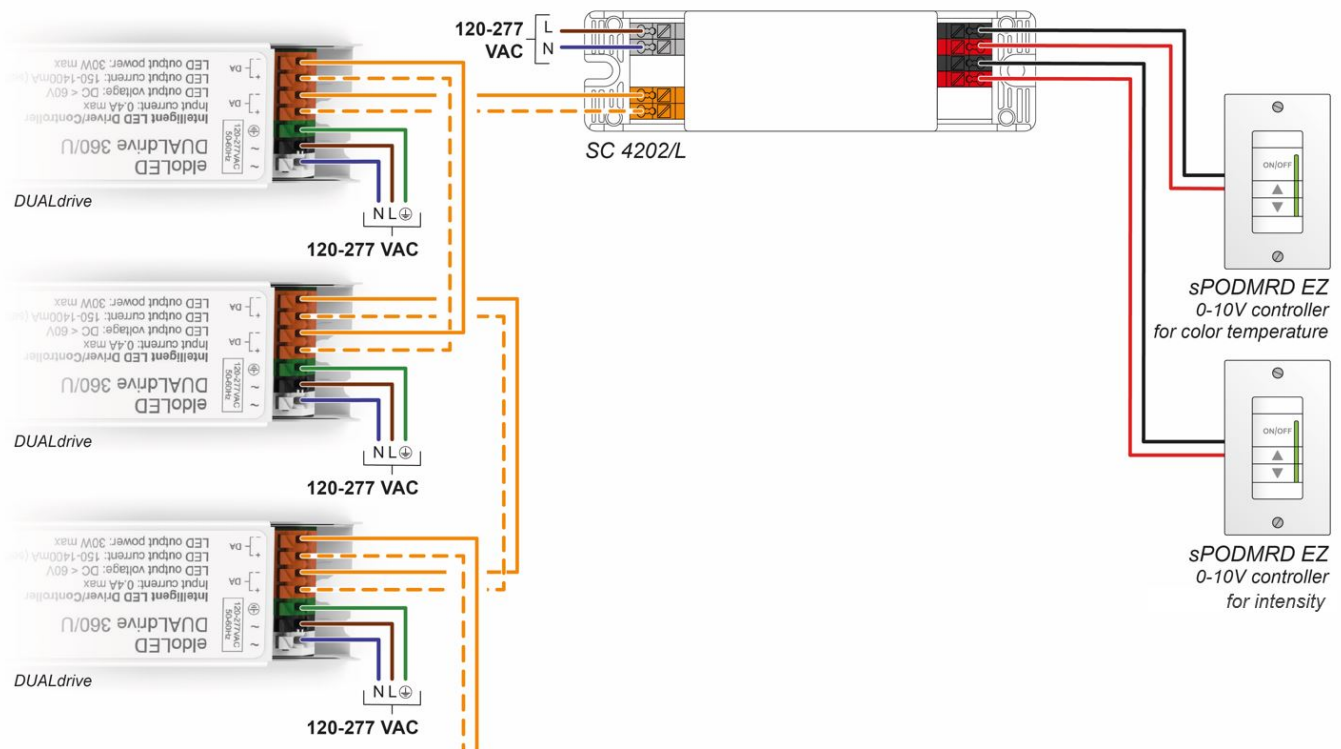


Wiring Diagrams

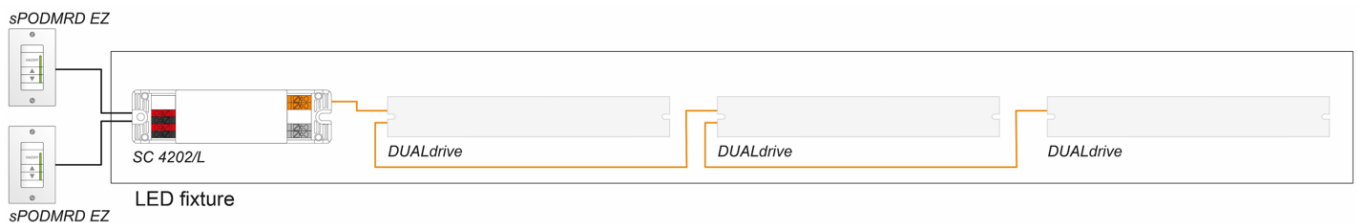
General wiring diagram

Select a 0-10V controller with a full voltage range. We recommend that you test your controller's full voltage input range into the translator. The recommended Sensor Switch controller compatible with the SC 4202/L translator is the sPODMRD EZ.

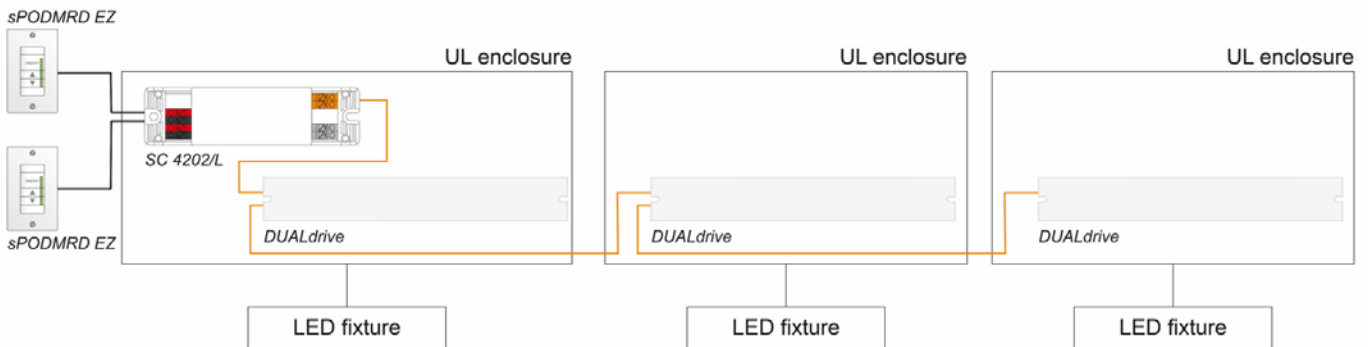
Ensure the controller's maximum sink current is 50mA.



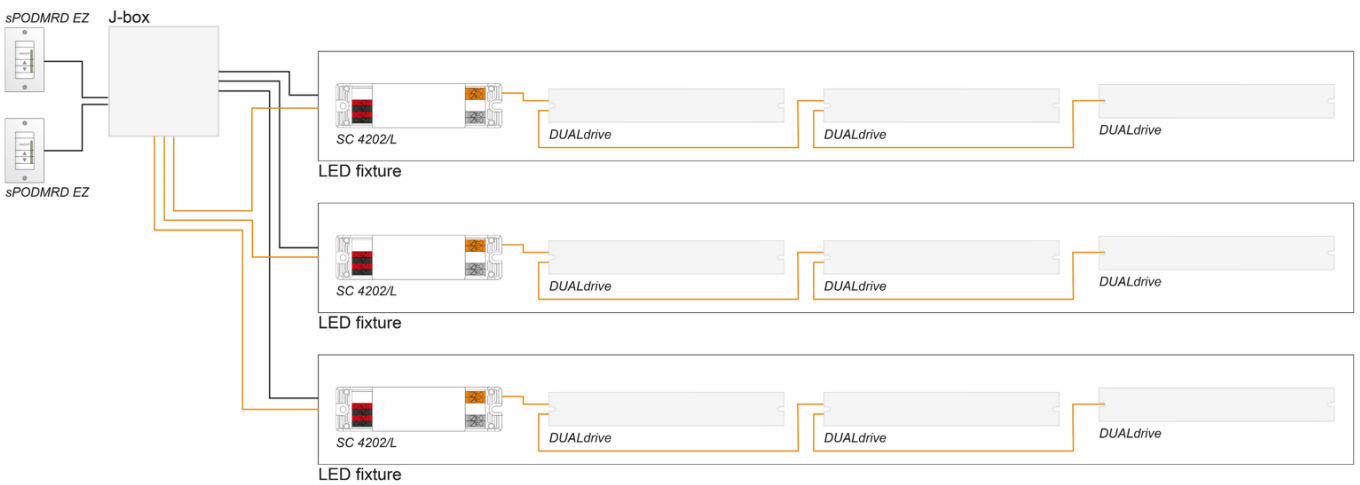
Wiring diagram for long linear LED fixture applications



Wiring diagram for pendant linear applications with remote enclosure



Wiring diagram for installations greater than 15 LED drivers

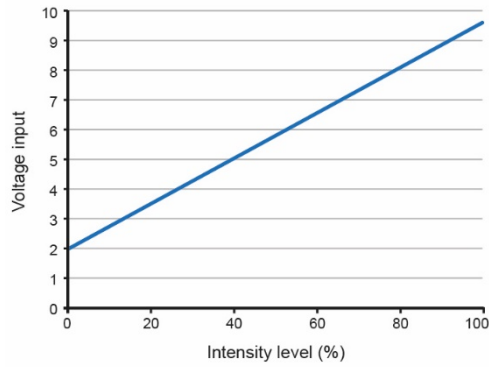


This type of application can have up to 30 translators. Each 0-10V input can source up to 1mA.

Resolution and dimming curve diagrams

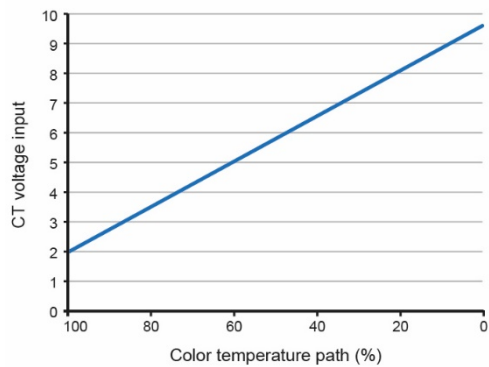
Intensity curve

Voltage input Vs. Intensity level (%) G1



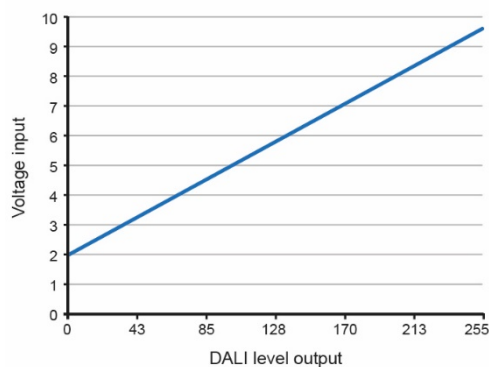
Color temperature path

Voltage input Vs. CT path (%) G0



Resolution curve up to 256 dimming steps for intensity and color temperature

Voltage input Vs. DALI level output



Europe, Rest of World
eldoLED B.V.
Science Park Eindhoven 5125
5692 ED Son
The Netherlands

E: info@eldoled.com
W: www.eldoled.com

North America
eldoLED America
One Lithonia Way
Conyers, GA 30012
USA

E: info@eldoled.com
W: www.eldoled.com
