Constant current LEDs are to be wired in **SERIES** and require a **MINIMUM** and maximum number of fixtures connected to a driver as indicated on the following page.

POWERING or TESTING less than the MINIMUM number of fixtures per driver OR connecting fixtures with the driver live OR wiring them in parallel will IMMEDIATELY and PERMANENTLY DESTROY the LEDs.

Carefully read instructions prior to installation and testing.

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tools for lighting

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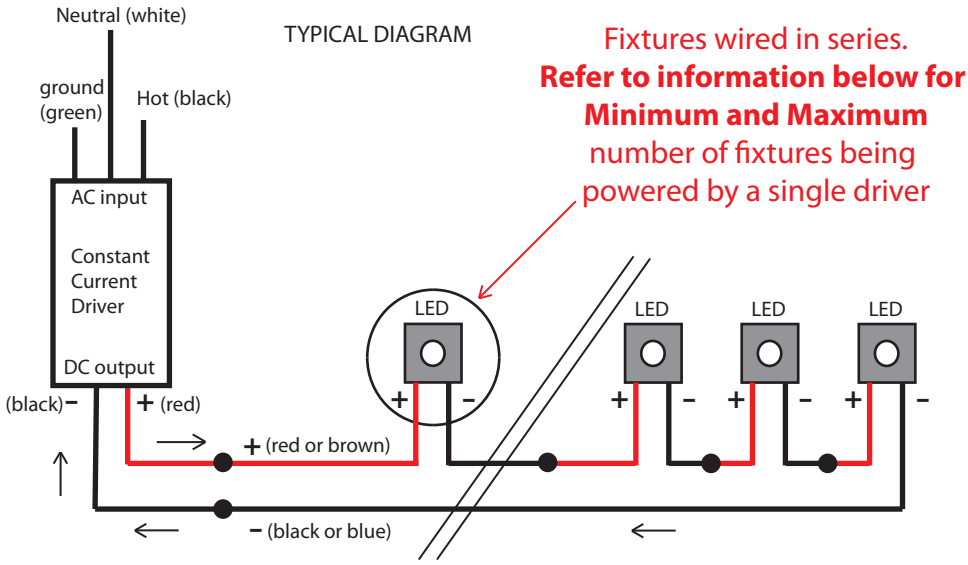
Constant Current drivers

Wiring Key Points

1. This product shall be installed by a qualified electrician.
2. Make sure the main power supply to the driver is turned off when wiring either the LEDs or driver.
3. LEDs shall be wired in series as shown in wiring diagram. CAUTION: parallel wiring will damage LEDs.
4. Wire shall be 18 awg stranded minimum. Large gauge wire shall be used to limit voltage drop in order to maintain the proper operating voltage. Take every precaution to avoid interferance from other electrical circuits and equipment.
5. Dimming circuits are more sensitive to voltage drop and electrical interference from other electrical sources.
6. Isolating LED wiring by dedicated circuit for each control zone is recommended.
7. Contractor shall verify the fixture quantities connected to the driver are compatible with the driver's specifications prior to energizing the circuit.
8. All Class II power cable remote wiring and driver enclosures by others.

LED's can be permanently damaged if these points are not followed



Driver options:

Driver	AC Input	Dimming	Minimum number of fixtures	Maximum number of fixtures
D-530-35001 = 66864	120/277V	NON-DIM	1	1
n/a	120V Only	NON-DIM		
n/a	120V Only	NON-DIM		

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Project:	Type:	Date:
Manufacturer: LINEALIGHT	Fixture:	Page: 2 OF 6

Lightech™ LED Driver

66864

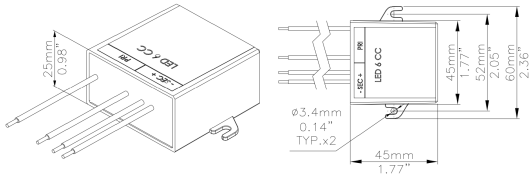
LED 6 DC 350mA Plastic

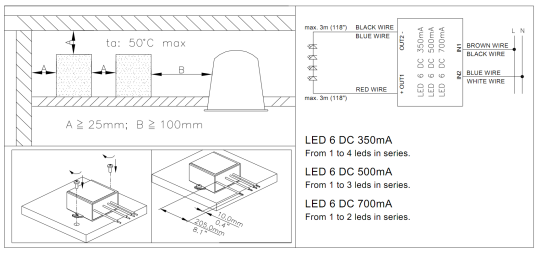
901006351U

LED 6W DC 350mA - LED Driver, Constant Current, Plastic Housing. Potted, with Leads

Current: DC

Availability: B





Specs

Field MTBF:	50000.0 h
Power:	6.0 W

Input specs

Inrush current limiter:	true
Power factor:	0.5
Input current:	0.07-0.12 A
Input frequency:	50/60 Hz
Input voltage:	120.0-277.0 V
Efficiency:	70 %

Output specs

Output current:	350.0 mA
Output voltage range:	2.0-20.0 V
Output current tolerance:	8.0 %

Dimmable

Dimmable:	false

Protections

Over temperature protection:	true
Reinforced insulation:	true
Input voltage surge protection:	true
Secondary protection:	false

Environment

Ta min:	-25.0 °C
IP :	67
Ta max:	50.0 °C
Tc:	71.0 °C
IP67 certification:	
Storage temp.:	-10...70 °C

Standards

VDE EMC:	
UL:	E322460
VDE Safety:	
FCC Class:	Class B
Class II:	true
Class 2:	true

Mechanical

Potted:	true
Input wire size AWG:	18.0 AWG
Case color:	black
Output wire size:	18.0 AWG
Weight:	0.0945 kg
Output wire color:	blue/red
Casing width:	45.0 mm
Casing length:	45.0 mm
Case material:	Plastic
Input wires color:	black/white
Casing height:	25.0 mm
Input wire length:	200 mm
Output wire length:	200 mm
INPUT WIRE DOUBLE INSULATED (BOOLEAN):	true

Marketing

Applications:	1. LED in- and outdoor lighting 2. Architectural lighting 3. Orientation lighting 4. Ambience lighting 5. Task, Table and Floor lighting
Features:	1. Designed for IP67 2. Reinforced insulation from input to output 3. Small form factor 4. Protections: Electronic internal Self-Resettable Short Circuit, Input Voltage Surge, Thermal 5. AC Input 6. Fast Start-Up Time 7. 120-277V Input 8. High-efficiency, high Vout range (up to 2-20V)

Sales

Availability:	B

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.

UL Recognized Class 2 Power Supply

Notes:
- Specifications may vary without notice
- Always consult National, State and local electrical codes
- Parameters are measured at rated output, rated load and at an ambient temperature of 25°C
- Expect slight variation including component tolerance, setup tolerance, line regulation and load regulation
- Power supplies should always be stress tested and tested for EMC within specific fixtures
- Where grounding/earthing is not indicated, avoid grounding/earthing or contact with grounded/earthed metal enclosures
- Performance with dimmers, where supported, may vary depending on dimmer model
- Subject to limited warranty (3yr for transformers, 5yr for drivers) terms and conditions as published from time to time