

1. Type IC Recessed – Inherently protected and rated for insulated ceilings
2. Suitable for under-cabinet and cabinet mount
3. Suitable for damp location

SPECIFICATIONS



Low Voltage LED Luminaire

Power Consumption	2.7 – 3.6 watts per fixture	
Lumens	170 lumens	
Luminous Efficacy	63 lm/w	
Voltage	12V DC	
CRI	87 (3500K)	84 (2700K)
Color Temperature	Warm White:	2700K
	Neutral White:	3500K
Beam Angle	60°	
Diode Nativity	Nichia NS6	
Rated Life	35,000 hours	
Warranty	5 year limited – luminaire	
	2 year limited – power supply	
Power Supply	12V DC – Class 2 only	
	Regulated, Constant Voltage	
Certifications & Code Requirements	UL Listed – UL2108, UL1598, UL8750	
	IFDR – Low Voltage Luminaire – File# E341803	
	cUL Listed – CSA 22.2 No. 250.0 & 9.0	
	Luminaires, Cabinet & Under-Cabinet Luminaires	
	Suitable for Damp Locations	
	Type IC Recessed – Inherently Protected for Insulated Ceilings	
Dimensions	CA Title 24 Compliant	
	Lighting Facts Label	
	Ø 2", Depth 2.75" (with heatsink)	



IMPORTANT SAFETY INSTRUCTIONS

- a) Read all instructions
- b) Turn off electrical power before modifying the lighting system in any way.
- c) Do not install this system in wet locations. Unit is suitable for damp location only.
- d) To reduce the risk of fire and overheating, make sure all connections are tight.
- e) Installation must be performed by a licensed or credentialed electrician. Do not attempt to install if not qualified.
- f) Mounting and connection to the class 2 power unit output circuit in accordance to NEC (National Electrical Code) Article 411.4, Conductors of Low Voltage Lighting Systems concealed or extended through a wall, floor, or ceiling shall be installed in accordance with Article 725.3
- g) Consult your local jurisdiction having authority regarding methods for Low Voltage Class 2 wiring.
- h) Minimum 75 C supply conductors.
- i) Vapor barrier must be suitable for 90°C (Canada)
- j) **FOR USE WITH 12V DC CLASS 2 POWER UNITS ONLY.**
This luminaire has 12V DC input power.



WARNING!

RISK OF FIRE OR ELECTRICAL SHOCK!

DO NOT make or alter any openings in the compartment of wiring or electrical components during installation.

DO NOT alter or add other electrical components.

**INCORRECT INSTALLATION
VOIDS WARRANTY**

INSTALLATION INSTRUCTIONS

LED MiniCan™ FOR USE WITH 12V DC CLASS 2 POWER UNITS ONLY!

nuLEDs

Simplified LED Solutions

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For use with models beginning MCN-LC11

Illustrations as example only

TOOLS & MATERIALS



2 1/4" Hole Saw (57mm)



Wire & Wire Connectors
Use Class 2 wire and connectors



LED MiniCan™ Recessed
Downlight Luminaire(s)



Regulated 12V DC
Constant Voltage Power Supply
UL Listed where required by AHJ



POWER SUPPLY

Input Voltage = 120V AC
Output Voltage = 12V DC

1. Use only a regulated 12V DC Constant Voltage Class 2 power unit.
2. Do not exceed capacity of power supply.
3. NuLEDs offers standard power supplies:

20w	Up to 6 MiniCans
35w	Up to 10 MiniCans
60w	Up to 17 MiniCans



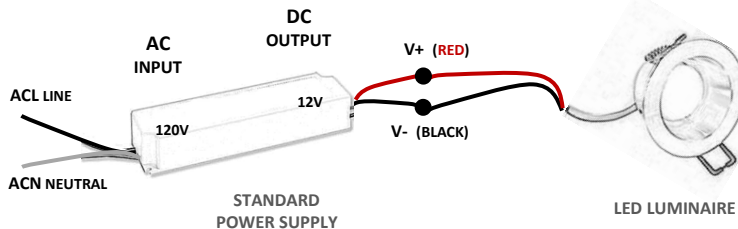
WIRING MULTIPLE MINICANS

1. For multiple MiniCans™, wire in parallel.

WARNING! Do not wire in series!

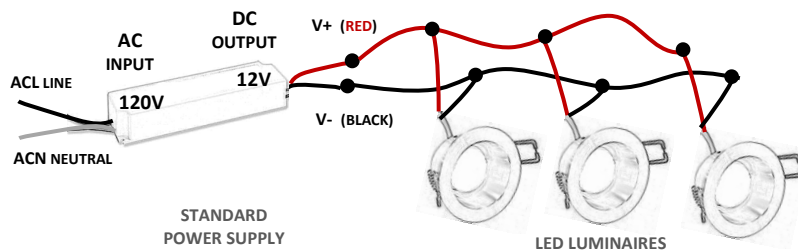
See connections diagram under Installation Steps

INSTALLATION STEPS



- 1 PRIOR TO INSTALLATION**
Turn off all power prior to installation.
- 2 CUTTING HOLE**
Cut a \varnothing 2 1/4" hole at desired location using a 2 1/4" hole saw
- 3 CONNECT THE LED MINICAN & POWER SUPPLY**
Connect the anode (typically the red wire) to the V+ of the DC output on power supply.
Connect the cathode (typically the black wire) to the V- of the DC output on power supply.
- 4 MOUNT THE LED MINICAN**
Squeeze the spring clips on the side of the MiniCan and insert into hole cut in Step #2.
- 5 CONNECT THE AC POWER & POWER SUPPLY**
Connect the NEUTRAL/ACN (typically the white wire) to the AC neutral.
Connect the LINE/ACL (typically the black wire) to the AC hot or switch leg.

CONNECTING MULTIPLE MINICANS



CLEANING & MAINTENANCE

1. Clean using a dry, soft cloth.
2. **DO NOT** spray water on fixture during cleaning.
3. Avoid using detergents with hand softeners, anti-bacterial agents, glass cleaners or acrylic cleaning products.