

WARNING!

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS:

1. Turn off / unplug before replacing LED Module or installing fixtures or power supplies.
2. Do not touch LED module when fixture is lit.
3. Do not look directly at lighted LED module.
4. Do not recess fixture into blind hole.
5. Parallel wire LED Mini Star II fixtures to LED power supply only.
6. Use only with 24V power supplies listed under specifications on following page. Adhere to maximum and minimum loads for your selected power supply.
7. Install in accordance with Magic Lite instructions, current local codes and / or the Canadian Electric Code.
8. If installing with hardwire transformer, shut off power before connecting 120V side of transformer.
9. Tools needed to install:
 - small Phillips screwdriver
 - appropriate lengths of 18 AWG CSA approved lead wire
 - small flat head screwdriver

INSTALLING YOUR LED MINI STAR II

1. Each LED Mini Star II comes with attached double-sided mounting tape, two mounting screws and a covered terminal block for connecting the LED Mini Star II to power feed wire.
2. The complete system includes an LED Power supply – (either hardwire or plug in), terminal blocks and the fixtures.
3. Lay out the entire installation without mounting any of the parts. With the system laid out, make sure you have all the required parts keeping in mind the following limitations:
 - If using plug in power supply (Magic Lite Part# MLDR-60-24P), the LED Power Supply must be mounted within 5 feet of a wall outlet.
 - Do not exceed the rated number of LED Mini Stars per power supply.
 - Use 18 AWG CSA approved wire (not included) to interconnect fixture terminal blocks.
 - Do not exceed Maximum recommended distance of 40' between power supply and last fixture.
4. Install fixtures as per the following two options:

A. Double Sided Tape

1. Clean mounting surface
2. If running wires inside cabinet, mark fixture location with pencil and mark outside corner of fixture where wires come out of fixture. Drill a small hole on mounting surface (approx 1/4") just inside

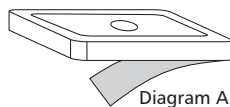


Diagram A

the marked corner edge of fixture to allow fixture wires to pass through surface. (see diagram B)

3. Remove paper backing on double sided tape. (see diagram A)

4. Firmly apply fixture to mounting surface.

B. Wood Screws:

1. Clean mounting surface
2. If running wires inside cabinet, mark mounting holes with pencil and mark outside corner of fixture where wires come out of fixture. Drill a small hole on mounting surface (approx 1/4") just inside the marked corner edge of fixture to allow fixture wires to pass through surface. (see diagram B)
3. Remove cover from LED Mini Star II using a slotted screw driver to gently pry open fixture at slot on side of fixture. (see diagram C)
4. Position fixture in desired location and attach fixture to mounting surface using two wood screws included.
5. Connecting LED Mini Star II Fixtures to power:

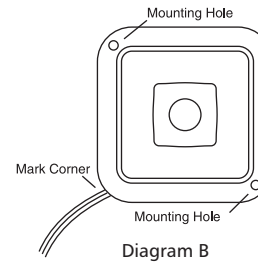


Diagram B

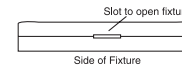


Diagram C

Caution:

- Do not exceed maximum number of LED Mini Star II fixtures per power supply. See specifications.
- Maximum distance from power supply to last fixture should not exceed 40'.
- Use minimum 18 AWG CSA approved wire (not supplied) for lead wire from power supply to terminal blocks and between terminal blocks.

- A. Make sure power is turned off to power supply before connecting fixtures.

If Using Hard Wire Power Supply:

- B. Each LED Mini Star II comes with its own terminal block connector and cover. If using hard wire driver, run appropriate length of lead wire from secondary side of power supply through strain relief on power supply to terminal block. Be careful to note positive (+) and negative (-) markings on secondary side of driver.

- C. Slide terminal block onto bared wires of lead wire from LED power supply and screw down terminals

ensuring a solid connection. Make sure to connect positive wire (+) to positive marked pole on terminal block and negative wire (-) to negative marked pole on terminal block. Make sure there are no bare wires

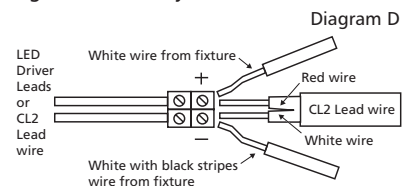


Diagram D

exposed at point of connection of wire to terminal block. (see diagram D)

- D. Connect lead wires from fixture along with 18 AWG lead wire which will run to terminal block for next LED Mini Star II fixture to open side of terminal block as in item C above (See diagram E). Make sure black striped wire from fixture goes to negative (-) marked side of terminal block and white wire goes to positive (+) marked side of terminal block. Each LED Mini Star II fixture comes with 36" (99cm) of lead wire and tinned leads at the end of the lead wire. This lead wire may be shortened if all 36" is not needed. If so, cut lead wire to desired length and remove 1/2" (10mm) of insulation from feed wire for connection to terminal block.

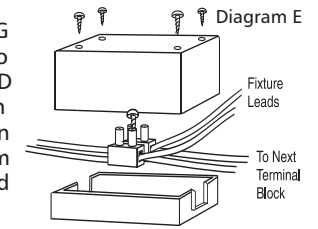


Diagram E

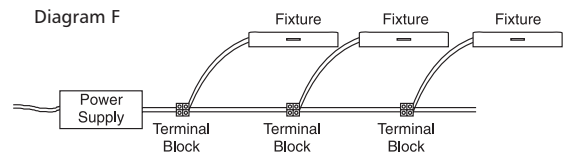


Diagram F

- E. Press terminal block into bottom half of terminal block cover making sure wires are resting in slot for wires. (see diagram E)
- F. Mount terminal block in desired position with double sided tape or with single screw (provided) in centre of terminal block. (see diagram E)
- G. Screw cover onto terminal block base with 4 screws provided. (see diagram E)

If using plug in driver (part # MLDR-60-24P) follow steps C through G above. Repeat for each fixture.

Before powering up your system make sure all connections are secure and that there are no exposed bare wires. Make sure you have consistently connected positive (+) fixture wires to positive (+) leads and negative (-) fixture wires to negative (-) leads.

Turn on power. If any fixtures fail to light, check connections as above.

RE-LAMPING MODULE

In the unlikely event of an LED module failure, please follow the instructions below.

Caution: If unit has recently been operating, glass, LED module and fixture can be hot. Turn off fixture and allow to cool for 15 minutes before relamping.

Caution: Always replace LED module with power supply switch in OFF position.

Note: Using a thin pair of gloves during this procedure will eliminate finger prints on glass lens and LED modules.

1. With a small screw driver, use slot in cover to remove cover from base. (see diagram C)

- With a pair of needle nosed pliers, remove module connector from printed circuit board.
- Unscrew old LED module. Replace with new LED module (Magic Lite Part number LEDMOD-24-LP). Tighten screws just snug.
- Push male connector from LED module into female connector in printed circuit board.

Replace cover by aligning slot in cover with slot in base. Press firmly together.

APPROVED DIMMERS FOR DIMMABLE DRIVERS

Lutron Ariadni Dimmer

AYLV-603P	AYLV-603P-CSA	AYLV-603P-S	AYLV-600P
AYLV-600P-CSA	AYLV-600P-S		

Lutron Vario Dimmer

V-1000	V-600	V-1000-S	V-600-S
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Lutron Nova Dimmer

NLV-1000	NLV-1500	NLV-600	NLV-1500-S
NLV-600-S	NLV-1000-S	NLV-1503P	NLV-2003P
NLV-1003P	NLV-603P	NLV-1503P-CSA	NLV-1003P-CSA
NLV-603P-CSA	NLV-1503P-S	NLV-2003P-S	NLV-1003P-S
NLV-603P-S			

Lutron Diva Dimmer

DVLV-103P	DVLV-603P	DVSCLV-103P	DVSCLV-603P
DVLV-103P-CSA	DVLV-603P-CSA	DVLV-103P-S	DVLV-603P-S
DVLV-103PH-S	DVLV-603PH-S	DVSCLV-103P-L	DVSCLV-603P-L
DVLV-600P	DVLV-10P	DVSCLV-10P	DVSCLV-600P
DVLV-10P-CSA	DVLV-10P-S	DVLV-10PH-S	DVSCLV-10P-L

Lutron Glyder Dimmer

GLV-600	GLV-600-CSA		
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Lutron Lyneo Dimmer

LXLV-103PL	LXLV-603PL	LXLV-10PL	LXLV-600PL
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Lutron Nova T Dimmer

NTLV-1500	NTLV-1000	NTLV-600	
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Lutron Skylark Dimmer

SLV-603P	SLV-603P-CSA	SLV-603PH-CSA	SLV-600P
SLV-600P-CSA	SLV-600PH-CSA		

Leviton Illumatech Dimmer

IPM06-1LZ	IPM06-1LX	IPM10-1LZ	
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Leviton Mural Dimmer

MDM06-1LI	MDM06-1LW	MDM06-1LA	MDM10-1LI
MDM10-1LW	MDM10-1LA		

Leviton SureSlide Dimmer

6613-PLT	6613-PLI	6613-PLW	6613-PLA
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Leviton ToggleTouch Dimmer

TGM10-1LI	TGM10-1LA	TGM10-1LT	
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Leviton Vizia Dimmer

VPM06-1LZ			
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IMPORTANT SAFETY INSTRUCTIONS:

- Save these instructions.
- Read all instructions thoroughly before commencing assembly or installation.
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Only use Class 2 power supplies approved as part of this system.
- For indoor use only.
- Turn off all electrical power before modifying lighting system in any way.
- Caution: No single circuit shall exceed 90 watts. Magic Lite Ltd. warranty of product is conditioned upon use of Magic Lite supplied cUL drivers as required under the Canadian Electrical Code.

SPECIFICATIONS

Dimensions: 75x75x13 (mm) Length x Width x Height
 Operating Voltage: 24 Vdc
 Power Consumption: 3.26 W
 Maximum Single Run:
Power Supply:
 MLDR-20-JB Max 4 FIXTURES
 MLDR-18-24P 4 FIXTURES
 MLDR-60-24P 16 FIXTURES
 MLDR-120-24 MAXIMUM 32 FIXTURES, 16 PER OUTPUT
Dimmable drivers:
 MLDR-20-24DM Max 5 fixtures, minimum 3 fixtures
 MLDR-40-24-DM Max 10 fixtures, minimum 6 fixtures
 MLDR-60-24-DM Max 15 fixtures, minimum 9 fixtures
 MLDR-100-24-DM Max 25 fixtures, Minimum 15 fixtures
 Note: Be sure to adhere to both maximum and minimum loads when using Dimmable drivers.
 Average LED lamp life: 40,000 hours, 70% initial lumen output
 Product Material: PC Cover + Aluminum Enclosure
 Cover (Lens) Material: PC frame & Glass Lens
 Cover Colour: BK, WH, AL & BZ
 No. of LED per Fixture: 1 PCS
 Mounting: Surface mount with screws or double sided tape
 Leads: 36" provided
 Agency Approval: QPS

INSTALLATION INSTRUCTIONS

LED MINI STAR II



Ultra slim profile

•
Replaceable LED module

•
6 X LG5630 LEDs

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Replaces 18W xenon lamp

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Join up to 16 fixtures



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