

## WARNING!

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

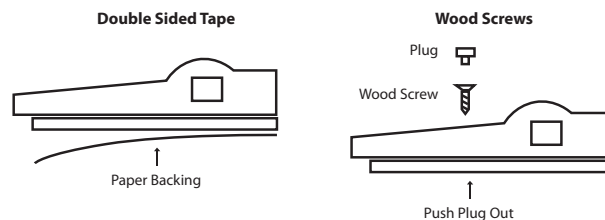
1. Turn off/unplug before mounting or interconnecting fixtures.
2. Do not look directly into LEDs when lit.
3. Do not operate fixture(s) with missing or damaged parts.
4. Do not install fixture(s) in any unventilated compartment.
5. Use only the following Magic Lite supplied LED Drivers listed for use with LED Thin Star.

Product codes: LEDSH-24-20W-HW, LEDTS-24-65, MLDR-20-24-DM, or MLDR-40-24-DM. (See Power Supply List on following page for maximum and minimum number of LEDs per driver.)

6. Use only Magic Lite joiner or extension cords to join fixtures to LED Driver and to interconnect fixtures.
7. Dry location only. Cabinet, shelf, or wall mount.
8. Securely mount with included double-sided tape or wood screws. Wood screws offer a more permanent temperature resistant option.
9. Dimmable. See Dimmer instructions for details.
10. Properly dispose of all small parts and packing material. Small parts and packing material may be hazardous to children.
11. Install in accordance to manufacturer's instructions, current local codes, and/or the current Canadian Electric Code (CEC).

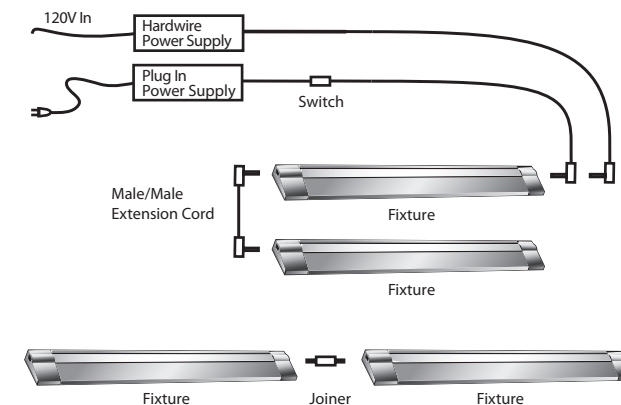
## INSTALLATION GUIDE

1. Each LED Thin Star ships complete with the fixture, attached double-sided mounting tape, and two mounting screws.
2. The complete system includes an LED Power Supply, extension cords to interconnect the system, and the fixtures.
3. Lay out the entire system 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:
  - A. If using plug in power supply (Magic Lite part number LEDTS-24-65), the LED Power Supply must be mounted within 5 feet of a wall outlet.
  - B. Do not exceed the rated number of LED's per power supply.
  - C. Do not exceed more than 91 feet of total extension cords between the LED PowerSupply and the last fixture in the system.
4. Install fixtures as per the following two options:
  - A. Double-Sided Tape
    - (1) Clean mounting surface.
    - (2) Remove paper backing on double-sided tape.
    - (3) Firmly apply fixture to mounting surface.
  - B. Wood Screws
    - (1) Clean mounting surface.
    - (2) Remove plugs (two per fixture) from end caps of fixture, by pushing out endcap from bottom.
    - (3) Position fixture in desired location and attach fixture to mounting surface using two included wood screws.



5. Interconnect LED Power Supply to the first fixture by plugging the low voltage wire from power supply into either end of the first fixture.
6. Interconnect additional fixtures from the first by plugging additional male/male extension cords, or fixture joiners, from the first fixture into additional fixtures. See diagram below, and keep in mind the three limitations outlined in #3 above.

**NOTE!** See maximum LED Fixture connection per power supply under specifications.



## SPECIFICATIONS

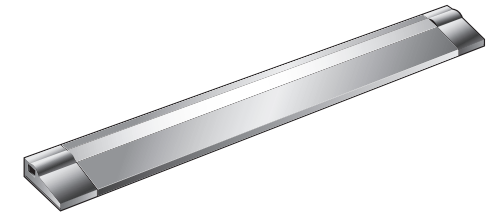
Fixture Length	6 LED = 11.125" 12 LED = 21.825"
Fixture Finish	White, Black, Aluminum, Bronze
Fixture Joiner	0.428" (10.86mm) after installation
Extension Cord Length	(Between fixtures) 1.5'(46cm), 3' (91cm), 6'(1.83m)
Power Cord Length	6'(1.83M), 12' (3.6M)
Joiner/Extension Cord Colours	White, Bronze, Black
<b>Power Supplies</b>	
Maximum Fixtures Per LED Power Supply:	
<b>Non-Dimmable</b>	
LEDSH-24-20W-HW Max 30 LEDs	
LEDTS-24-65 MAX 60 LEDs	
<b>Dimmable</b>	
MLDR-20-24-DM Max 30 LEDs, Min 18 LEDs	
MLDR-40-24-DM Max 60 LEDs, Min 30 LEDs	
Voltage	24 volt direct current
Wattage	6 LED = 3.5 watts 12 LED = 7 watts
Average LED lamp life:	40,000 hours, 70% initial lumen output
LED Colour Temperature	3000K +/- 200K
Mounting	Doubled-side tape or wood screws
Connection	Molded connectors from 24VDC lead at LED Driver to each LED Thin Star fixture
Agency Approval	QPS listed for wall or cabinet mount, dry location only. Listing requires use of Magic Lite supplied LED Driver. Refer to above power supply list of available drivers and ratings.

## APPROVED DIMMERS FOR DIMMABLE DRIVERS

<b>Lutron Ariadni Dimmer</b>			
AYLV-603P	AYLV-603P-CSA	AYLV-603P-S	AYLV-600P
AYLV-600P-CSA	AYLV-600P-S		
<b>Lutron Vareo Dimmer</b>			
V-1000	V-600	V-1000-S	V-600-S
<b>Lutron Nova Dimmer</b>			
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			
<b>Lutron Diva Dimmer</b>			
DVLV-103P	DVLV-603P	DVSCVL-103P	DVSCVL-603P
DVLV-103P-CSA	DVLV-603P-CSA	DVLV-103P-S	DVLV-603P-S
DVLV-103PH-S	DVLV-603PH-S	DVSCVL-103P-L	DVSCVL-603P-L
DVLV-600P	DVLV-10P	DVSCVL-10P	DVSCVL-600P
DVLV-10P-CSA	DVLV-10P-S	DVLV-10PH-S	DVSCVL-10P-L
<b>Lutron Glyder Dimmer</b>			
GLV-600	GLV-600-CSA		
<b>Lutron Lyneo Dimmer</b>			
LXLV-103PL	LXLV-603PL	LXLV-10PL	LXLV-600PL
<b>Lutron Nova T Dimmer</b>			
NTLV-1500	NTLV-1000	NTLV-600	
<b>Lutron Skylark Dimmer</b>			
SLV-603P	SLV-603P-CSA	SLV-603PH-CSA	SLV-600P
SLV-600P-CSA	SLV-600PH-CSA		
<b>Leviton Illumatech Dimmer</b>			
IPM06-1LZ	IPM06-1LX	IPM10-1LZ	
<b>Leviton Mural Dimmer</b>			
MDM06-1LI	MDM06-1LW	MDM06-1LA	MDM10-1LI
MDM10-1LW	MDM10-1LA		
<b>Leviton SureSlide Dimmer</b>			
6613-PLT	6613-PLI	6613-PLW	6613-PLA
<b>Leviton ToggleTouch Dimmer</b>			
TGM10-1LI	TGM10-1LA	TGM10-1LT	
<b>Leviton Vizia Dimmer</b>			
VPM06-1LZ			

## INSTALLATION INSTRUCTIONS

# LED THIN STAR



## APPLICATIONS

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