

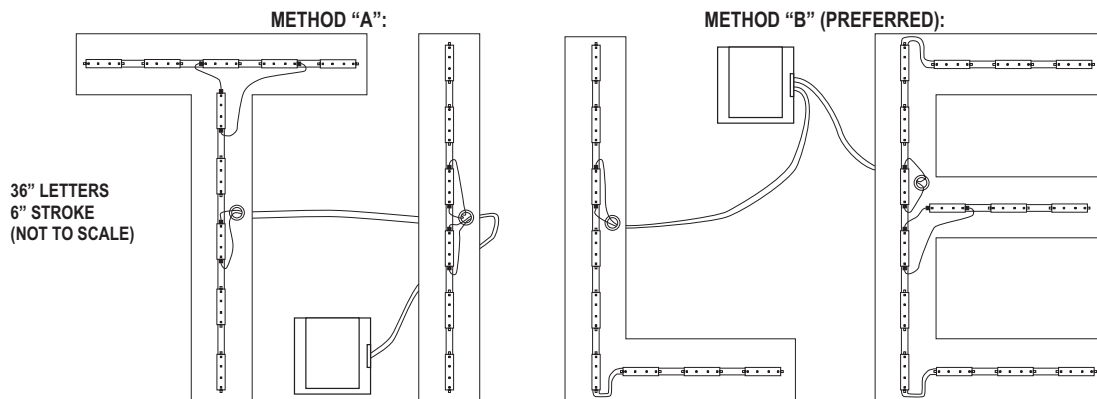
Make your LED lighting choice with your customer's buying motives in mind!™

USLED The Right Choice™

MEGAWHITE LIGHTNING - INSTALLATION INSTRUCTION

"As Easy As It Gets!"

1. LAYOUT THE MEGAWHITE LIGHTNING MODULES LIKE NEON, ONLY WITHOUT DOUBLE-BACKS APPROXIMATELY 2 PER FOOT UP TO A 6" STROKE LETTER. BE SURE TO TEST YOUR FIRST LETTER TO MAKE SURE YOU ARE SATISFIED BEFORE PROCEEDING.
2. INSTALL LENGTH OF PRODUCT IN LETTERS BY FASTENING MOUNTING CLIPS WITH VHB TAPE OR MECHANICALLY THROUGH HOLES IN THE CLIP, OR BOTH. VHB TYPE PLUS A LITTLE SILICONE WORKS WELL TOO.
3. CONNECT SEPARATE RUNS OF PRODUCT WITHIN A LETTER USING 6", 12" OR 24" JUMPER WIRES WITH PRE-CRIMPED CONNECTORS AS REQUIRED. THESE WIRES ARE AVAILABLE IN TWO COLORS, BLUE FOR NEGATIVE & RED FOR POSITIVE. SIMPLY CONNECT ONE NEGATIVE TAB AT THE END OF ANY MODULE ON ONE RUN TO A NEGATIVE TAB AT THE END OF ANY MODULE ON THE SECOND RUN. THEN REPEAT PROCESS CONNECTING A POSITIVE TAB ON ONE RUN TO A POSITIVE TAB ON THE OTHER.
4. 36" JUMPER WIRES WITH CLASS 2 WIRE CAN BE USED TO CONNECT MODULES FROM LETTER TO LETTER AS WELL. ALL RUNS THRU A WALL MUST EITHER BE IN A CONDUIT OR "PASS-THRU" OR BE MADE WITH CLASS 2 WIRE. LIMIT THE TOTAL NUMBER OF MODULES PER RUN TO 12. "MID-POINT" CONNECTIONS ON RUNS INCREASES LOAD BALANCE & LIGHT UNIFORMITY.
5. ALTHOUGH JUMPS CAN BE MADE FROM LETTER TO LETTER & THEN FROM THE FINAL LETTER TO THE POWER SOURCE, THE PREFERRED METHOD IS TO RUN EACH LETTER TO THE POWER SOURCE. THE SECONDARY WIRES ON THE POWER SOURCES ARE COLOR COORDINATED BLUE FOR NEGATIVE & RED FOR POSITIVE (OLDER PRODUCTS USED BLACK FOR NEGATIVE AND YELLOW FOR POSITIVE).



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TROUBLE SHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSE	SOLUTION
A SINGLE MODULE NOT LIGHTING	MALFUNCTION ON MODULE	LEAVE MALFUNCTIONING MODULE IN PLACE. MOUNT REPLACEMENT MODULE ALONGSIDE & USING JUMPER WIRES, CONNECT THE POSITIVE TAB TO THE POSITIVE TAB OF ANY MODULE ON THE RUN. DO LIKEWISE WITH THE NEGATIVE TAB.
LEDS FLICKER	UNDERLOADED OR OVERLOADED MALFUNCTIONING POWER SOURCE	ADJUST LOADS ON POWER SOURCES. REPLACE POWER SOURCE.
ENTIRE PRODUCT RUN IS NOT LIGHTING	A. BAD WIRE CONNECTIONS.	A. RESTORE CONNECTION.
	B. IF ONLY ONE RUN OF PRODUCT ON POWER SOURCE, MALFUNCTIONING POWER SOURCE.	B. CHECK POWER SOURCE & REPLACE IF APPROPRIATE.
	C. SHORT	C. AN EASY WAY TO CHECK FOR A SHORT IS TO LIGHT THE LED RUN WITH A 9-VOLT BATTERY. THE RUN WILL NOT LIGHT IF IT IS SHORTED. IF THE POWER SOURCE IS OVERLOADED THE RUN WILL STILL LIGHT ONLY DIMMER.
	D. OVERLOAD.	D. CHECK THE LENGTH OF THE LED RUN & REMOVE ANY OVERLOAD. MAXIMUM LOAD OF 36 MODULES PER 60w POWER SOURCE AND 7 MODULES PER 12 w POWER SOURCE.

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the sign company
and the end user
in mind.™

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MEGAWHITE LIGHTNING - SECTIONAL VIEWS

MegaWhite Lightning

Model Number	Description	Power	Load 12W	Load 60W Min - Max
MWL-4-12-W	White - 4-LED Module - 12V	1.5 w	7 Modules	6 Modules - 36 Modules

Power Source

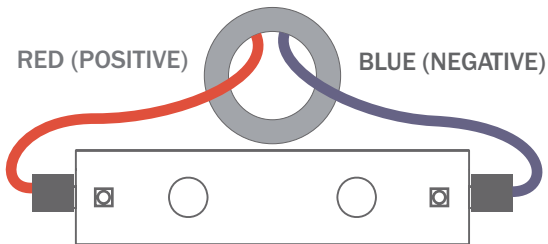
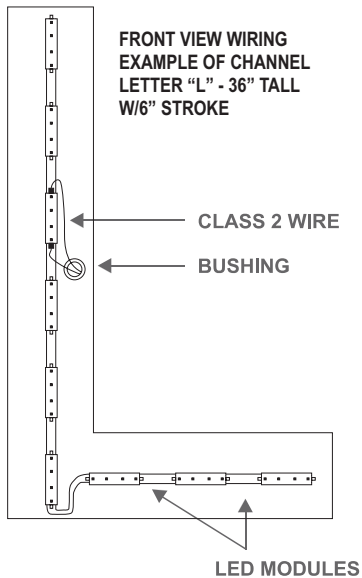
Model Number	Description	A@120V*
PSA-12-12	12VDC (120V ± 10% Input) 12 Watts	0.11 A
PSA-12-60	12VDC (120V ± 10% Input) 60 Watts	0.53 A

* Fully Loaded, True Power

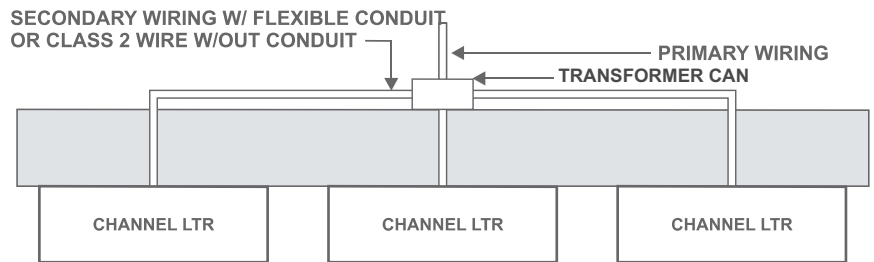
Wires

Model Number	Description
RLSW-6-z	6" Wire with connectors
RLSW-12-z	12" Wire with connectors
RLSW-24-z	24" Wire with connectors
RLSW-36-z	36" class 2 Wire with connectors

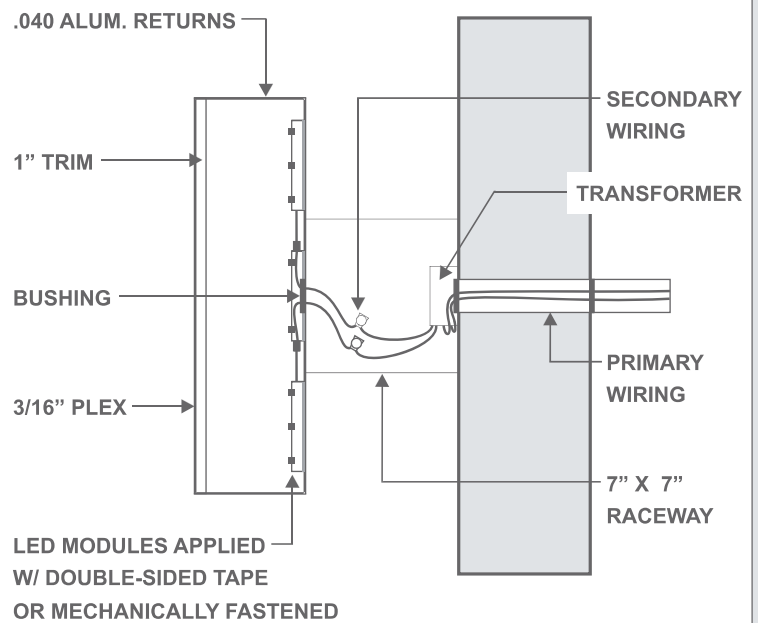
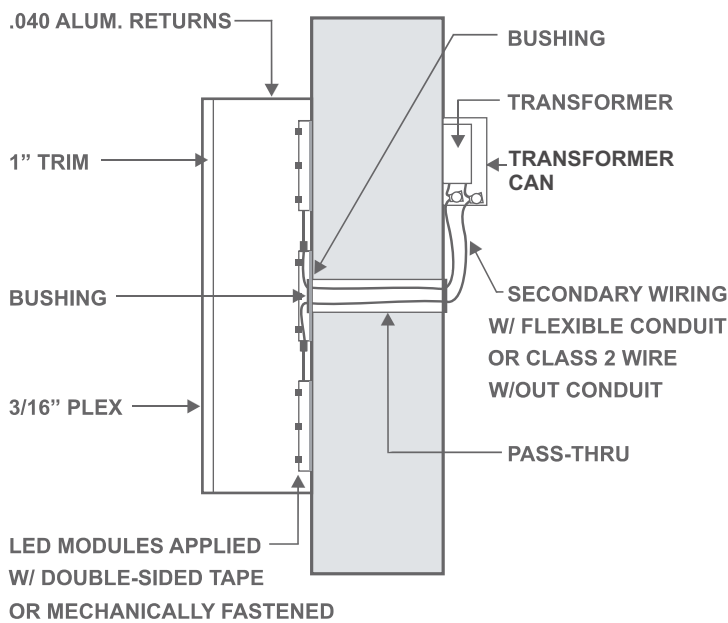
Z: Positive= Red, Negative= Blue
MegaWhite can use same wires as Pinnacle Series



WIRES W/ CONNECTORS ATTACHED TO ENDS OF A MODULE & EXITING THE LETTER



TOP VIEW OF WIRING EXAMPLE FOR BEHIND WALL OR IN RACEWAY



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