

# STROBE

T1 (3mm) Incandescent White Super Bright LED #545



mounted on an engine, caboose, or other location.



## Installation Instructions:

Locate a position to place the STROBE pc board. Drill a 1/8" hole for the LED. If you choose to extend the LED from the main board, it is important to connect the LED leads in the same polarity. Having them reversed will cause the LED to not illuminate and may burn out the LED.

Position the STROBE, making sure the area is clean of grease for proper adhesion, peel tape covering and place in position.

Connect the input wires to either a 9 Volt battery or cut the battery snap end off and connect wires to the track pickup shoes (polarity of the wires is not important). Input power can be from DC, AC, or DCC and up to 20 volts. If utilizing a battery, an on/off switch (Item #524) may be desired.

Be sure not to short the LED leads, or any other parts to any other metal part, this will damage the STROBE.



246 W. Main St.  
Leola, PA 17540  
(717) 661-7041  
www.dallee.com

# Mars Light

#546



T1 (3mm) Incandescent White LED

## Installation Instructions:

Locate a position to drill a 1/8" hole for the LED if needed. Otherwise, use the existing lens and mount the board and LED within the appropriate area.

Position the MARS, making sure the area is clean of grease for proper adhesion, peel tape covering and place in position. You may wish to remove the LED and locate it elsewhere. If you choose to extend the LED from the main board, it is important to connect the LED leads in the same polarity. Having them reversed will cause the LED to not illuminate and may burn out the LED.

DC operators - connect the red / black wires to the track power pickup (red - right rail, black - left rail).

AC operators - when using an E-Unit similar to our item #518 or #400, or other DC motor type engine, connect the red and black wires to the motor leads. If the MARS operates when the engine is in reverse, merely reverse the input wires. Otherwise, connect the red and black wires to the AC track power. By doing this, the MARS will not be directional but on whenever track power is present.

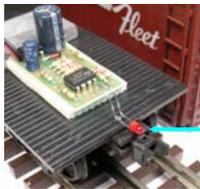
Be sure not to short the LED leads, or any other parts to any other metal part, this will damage the MARS.



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# F.R.E.D.

#556



LED

## Installation Instructions:

Locate a position to place the FRED pc board. You may want to make two slits to accommodate the LED leads without removing it. If you choose to extend the LED from the main board, it is important to connect the LED leads in the same polarity. Having them reversed will cause the LED to not illuminate and may burn out the LED.

Position the FRED, making sure the area is clean of grease for proper adhesion, peel tape covering and place in position.

Connect the input wires to either a 9 Volt battery or cut the battery snap end off and connect wires to the track pickup shoes (polarity of the wires is not important). Input power can be from DC, AC, or DCC and up to 20 volts. If utilizing a battery, an on/off switch (Item #524) may be used.

Be sure not to short the LED leads, or any other parts to any other metal part, this will damage the FRED.



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# BEACON

T1 (3mm) - RED LED #557



## Installation Instructions:

Locate a position to place the BEACON pc board. If you choose to extend the LED from the main board, it is important to connect the LED leads in the same polarity. Having them reversed will cause the LED to not illuminate and may burn out the LED.

Position the BEACON, making sure the area is clean of grease for proper adhesion, peel tape covering and place in position.

Connect the input wires to either a 9 Volt battery or cut the battery snap end off and connect wires to the track pickup shoes (polarity of the wires is not important) or a fixed voltage source. Input power can be from DC, AC, or DCC and up to 20 volts. If utilizing a battery, an on/off switch (Item #524) may be used.

Be sure not to short the LED leads, or any other parts to any other metal part, this will damage the BEACON.



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# Dual Mars Light



#547

Two T1 (3mm)  
Incandescent  
White LED 's

Installation Instructions: Locate a position to drill two 1/8" holes for the LED's if needed. Otherwise, use the existing lens and mount the board and LED's within the appropriate area.

Position the MARS, making sure the area is clean of grease for proper adhesion, peel tape covering and place in position. You may wish to remove the LED's to locate elsewhere. If you choose to extend the LED's from the main board, it is important to connect the LED's leads in the same polarity. Having them reversed will cause the LED's to not illuminate and may burn out the LED's. Never operate this unit with one LED!

DC operators - connect the red / gray wires to the track power pickup (red - right rail, gray - left rail).

AC operators - when using an E-Unit similar to our item #518 or #400, or other DC motor type engine, connect the red and gray wires to the motor leads. If the MARS operates when the engine is in reverse, merely reverse the input wires. Otherwise, connect the red and gray wires to the AC track power. By doing this, the MARS will not be directional but on whenever track power is present.

Be sure not to short the LED's leads, or any other parts to any other metal part, this will damage the MARS light.

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