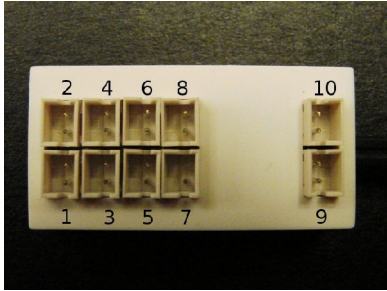


### eLite Basic:

The eLite Basic is a 10 LED constant lighting system designed to be driven by a 9V input. This can be used in conjunction with a constant power source (such as a battery box) or a dynamic source (such as a microcontroller, Lego RCX, Lego NXT). The power input is designed as a polarized 9V input. As such, two units can be “multiplexed” by simply connecting them with opposite polarity to the power source. Note that the eLite Basic uses the same housing as the eLite Advanced, but can be identified by the blue plate on the bottom of the housing.



### The LEDs:

As shown in the picture above, there is a bank of 10 polarized LED sockets located on the top of the eLite Basic.

### Connecting the LEDs:

Since LED plugs are polarized, you can only plug them in one way. This is useful since the LEDs are themselves polar and will light up in one direction only. To connect a plug into the socket, align the plug tabs with the socket slots, make sure the pins are aligned and press the plug into the socket. To remove the plug from the socket, gently pull the plug from the socket by the plug housing. **WARNING: Do not pull on the wires. Pulling on the wires could result in irreparable damage to the plug/wire connections.**

### Powering on the eLite Basic:

This is probably the easiest step of all. After you connect the to the eLite Basic, simply connect the LEGO® power connector to a standard 9V LEGO power source. If the eLite Basic unit does not light up the LEDs, you will need to reverse the polarity of the incoming power. This can be accomplished by either reversing the power switch on the LEGO battery box (power source) or turning the LEGO power connector 180 degrees on the LEGO power source. If the unit still does not power up, there are two possible situations:

1. There may be either a problem with the 9V power source. Make sure that the battery is fresh or power source is at 9V.
2. The eLite Basic may be damaged. This is not likely unless the eLite Basic has been immersed in water or if more than 12V has been applied to the eLite Basic.

### Current Products:

eLite Basic – Constant Lighting Module  
eLite Advanced – Programmable, Dynamic Lighting Module

### Coming soon:

LTC master board  
1x8 eLite expander  
2x4 eLite expander  
Model railroading and scale model eLite kits  
eLite Advanced Programming adapter for the MicroChip PICKit2  
Battery box  
eLite LED lighting fixtures  
And more!



### eLite Basic Lighting Kit

#### Instructions and operation manual

Thank you for your purchase from Brickmodder Labs. We make every effort in your satisfaction and if you have any questions, comments, or concerns about any product including LifeLites, please send us an email to [support@lifelites.com](mailto:support@lifelites.com). We'd love to hear feedback and strive in customer satisfaction.



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