

Everline Driver Application Note: LED Driver Remote Mounting

LED Drivers and Power Supplies can be remote mounted from the modules that they are driving. The remote mounting distance is based on the voltage drop generated across the supply leads. The voltage drop will vary based on the operating current and the gauge wire used.

Typically a maximum voltage drop of 1 Volt across the output leads is acceptable. The chart below shows the lead length based on the current and wire gauge that will generate a 1 Volt drop.

Remote Mounting Distance Chart

| Length of Wire (in feet) for 1V Drop | | | | | |
|--------------------------------------|-------|-------|-------|-------|-----|
| Operating Current (Amps) | | | | | |
| Wire Gauge | 0.350 | 0.700 | 1.050 | 1.400 | 5.0 |
| 18 | 447 | 224 | 149 | 112 | 31 |
| 16 | 711 | 356 | 237 | 178 | 50 |
| 14 | 1132 | 566 | 377 | 283 | 79 |

Note: In applications where the module operating voltage is within 1 Volt of the driver's maximum output voltage, the remote mounting distances will be less and require a larger wire gauge.

For further assistance or ordering information please contact Universal lighting technologies @ 1-800-BALLAST or visit our website at <http://www.unvlt.com/>