# SPECTRUM ILLUMINATION
### THE **LARGEST** IN VISION LIGHTING

# ALDM2100 Series
# DRIVER

Replaces ALDM3 series driver

## MONSTER LIGHT

- 0-10VDC Analog Control for intensity ~10% to 100%
- Current Regulating
- 24VDC
- DIN Rail Mount
- PNP/NPN Strobe or Continuous Mode

**ELECTRICAL:**

Input Voltage:  24 VDC -0.5 / +4V
Input Current:  2.5 Amp
Connection:    Screw terminals

**ALDM Top View**

**#2 GND**

**#1 24 VDC**

**#3 NPN STROBE INPUT GND for "ON" Open for "OFF"**

**#4 PNP STROBE INPUT < 1 VDC for "OFF" >3 VDC for "ON"**

**#5 ANALOG INPUT 0 – 10 VDC Intensity Control**

#1 - Brown Wire
To LED Light
#2 - Green Wire

#3 & 4 - Not Used

**ALDM Bottom View**

**ALDM2100 is compatible with the following lights:**

LL134.5 – All Colors
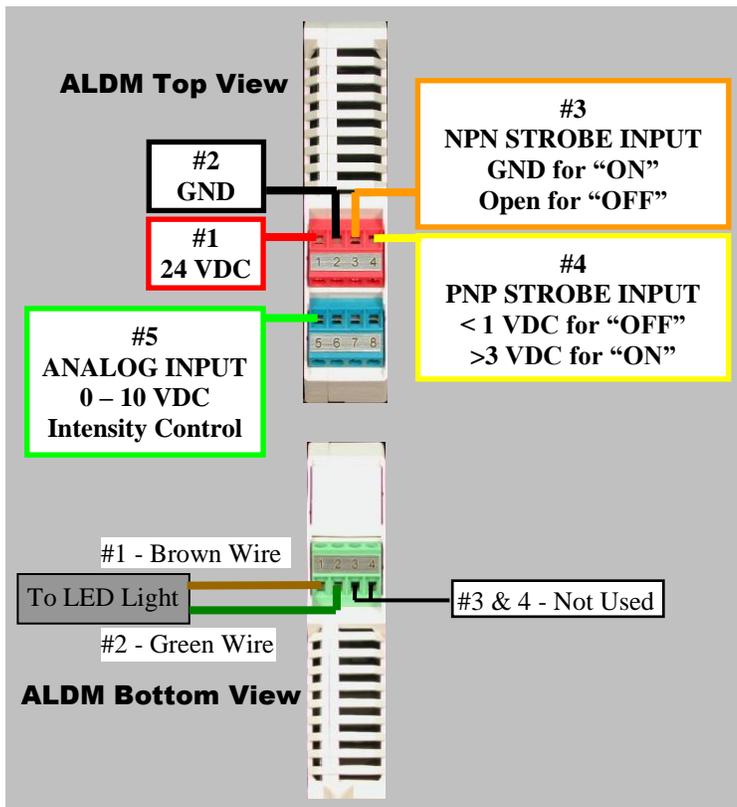DL18.25 – All Colors
RL19.5 – All Colors

NOTE:
Jumper 24VDC to PNP Strobe Input <u>or</u> GND to NPN Strobe input for light to remain in constant "ON" state.

Strobe is Pulse Width Duration – Light will remain "on" for duration of signal or pulse.

**Note:** 24V power supply return and GND reference for 0-10V input must be connected to pin #2 (GND) of red connector.
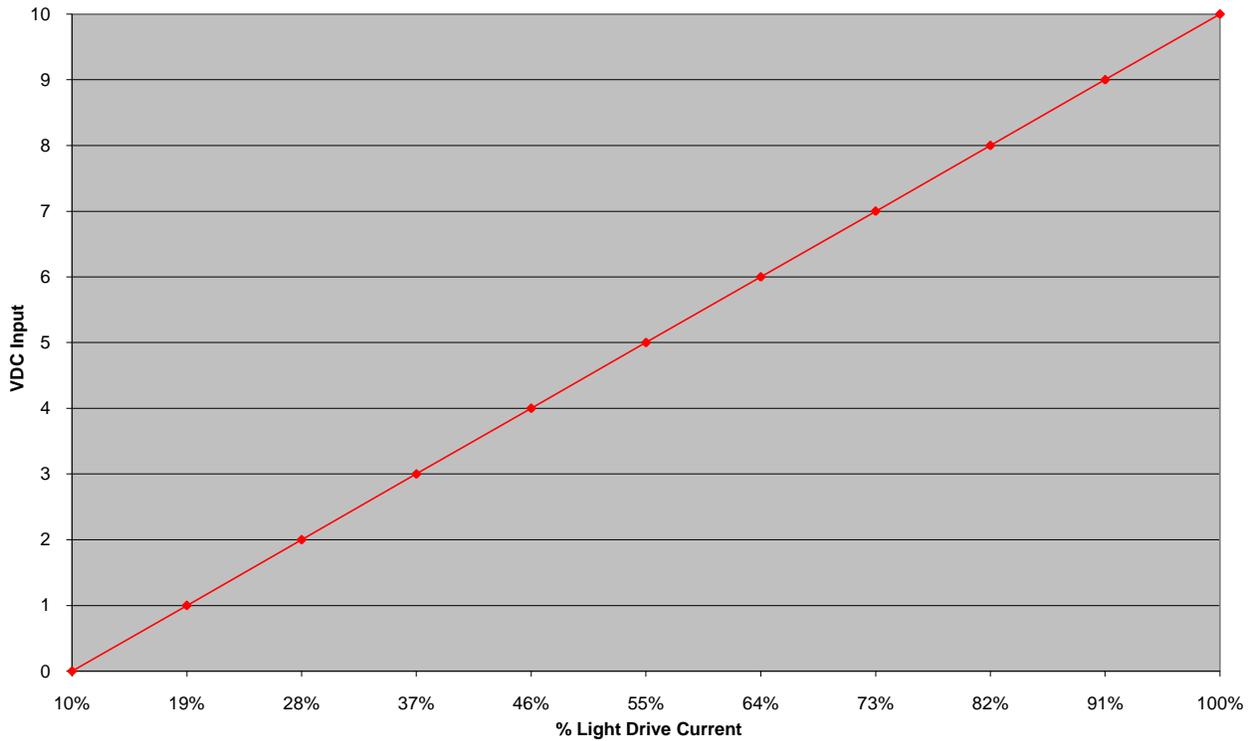
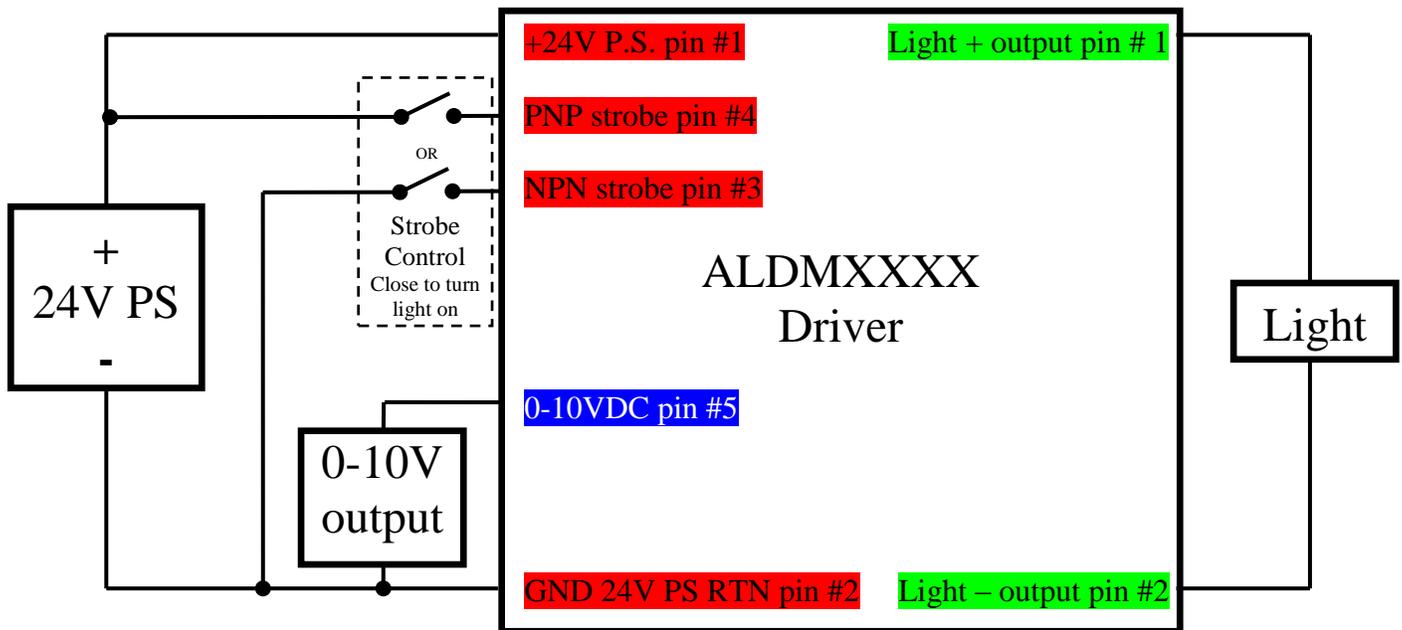**Note:** White, Blue and Black wires are not used on ALDM2100 Driver

## Warning!!!

**USE ONLY SPECTRUM ILLUMINATION LDM DRIVER WITH MONSTER LIGHTS. DO NOT CONNECT MONSTER LIGHTS DIRECTLY TO 24VDC!**

Rev. Date: 2009-05-21

**Analog Voltage vs. Light Drive Current**



# Wiring Block Diagram



+24V P.S. pin #1

PNP strobe pin #4

NPN strobe pin #3

ALDMXXXX
Driver

0-10VDC pin #5

GND 24V PS RTN pin #2

Light + output pin # 1

Light – output pin #2

+
24V PS
-

Strobe
Control
Close to turn
light on

OR

0-10V
output

Light