ALDM2100 Series
DRIVER

Replaces ALDM3 series driver

- 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
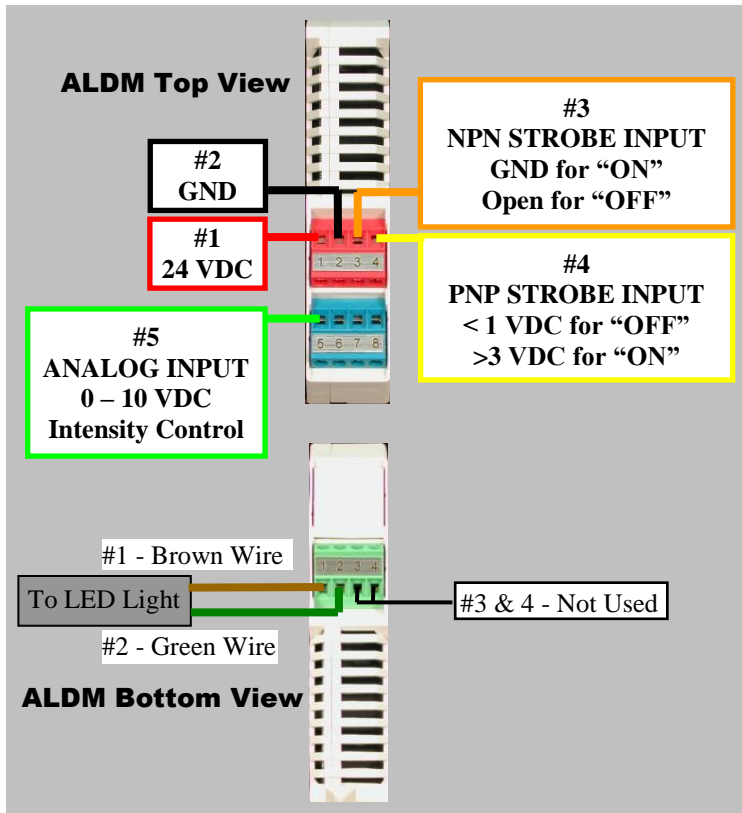RL19.5 – All Colors

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.

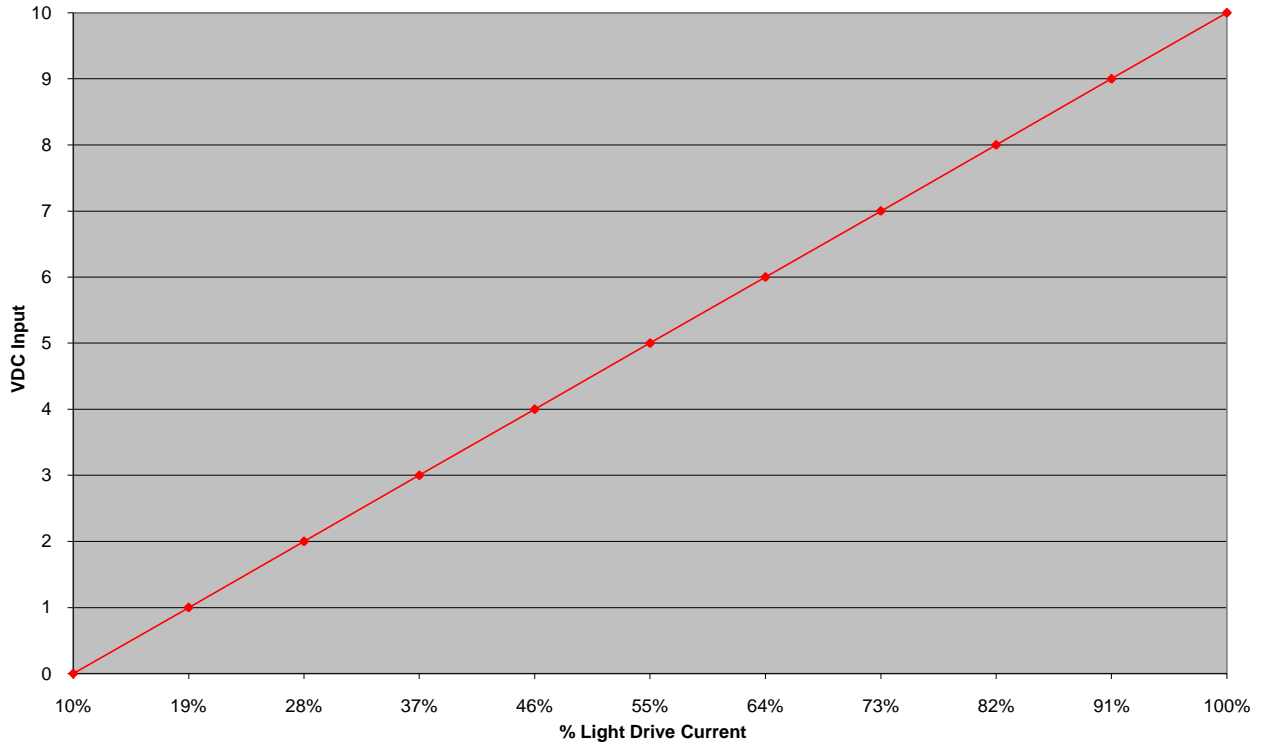Note: 24V power supply return and GND reference for 0-10V input must be connected to pin #2 (GND) of red connector.

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!**

Analog Voltage vs. Light Drive Current

VDC Input

10
9
8
7
6
5
4
3
2
1
0

10%   19%   28%   37%   46%   55%   64%   73%   82%   91%   100%

% Light Drive Current

Wiring Block Diagram

+24V P.S. pin #1

Light + output pin # 1

PNP strobe pin #4

OR

NPN strobe pin #3

Strobe
Control
Close to turn
light on

+
24V PS
-

ALDMXXXX
Driver

Light

0-10VDC pin #5

0-10V
output

GND 24V PS RTN pin #2

Light – output pin #2

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