

To choose an adequate wire gauge, determine the amp draw (amperage) that the wire circuit will carry. Then measure the distance that the wire will travel (length) including the length of the return to ground (the ground wire running to the chassis or back to a ground block or battery. Using these two numbers, Amps and length, locate the nearest gauge value in chart below.

@ 12 Volts Amps	LENGTH OF WIRE American Wire Gauge (AWG)						
	3'	5'	7'	10'	15'	20'	25'
0 to 1	18	18	18	18	18	18	18
1.5	18	18	18	18	18	18	18
2	18	18	18	18	18	18	18
3	18	18	18	18	18	18	18
4	18	18	18	18	18	18	18
5	18	18	18	18	18	18	18
6	18	18	18	18	18	18	16
7	18	18	18	18	18	18	16
8	18	18	18	18	18	18	16
10	18	18	18	18	16	16	14
11	18	18	18	18	16	16	14
12	18	18	18	18	16	16	14
15	18	18	18	18	14	14	12
18	18	18	16	16	14	14	12
20	18	18	16	16	14	12	10
22	18	18	16	14	12	12	10
24	18	18	16	14	12	12	10
30	18	16	14	12	10	10	10
36	16	14	14	12	10	10	10
40	16	14	12	12	10	10	8
50	16	14	12	10	10	10	8
100	12	12	10	10	6	6	4
150	10	10	8	8	4	4	2
200	10	8	8	6	4	4	2

CAUTION: PUTTING TOO MANY LIGHTS ON ONE POWER-CORD can cause overheating and poor light performance. USE THIS CHART TO DETERMINE WIRE GAUGE AND MAXIMUM NUMBER OF LIGHTS YOU CAN ATTACH TO EACH POWER-CORD

USE BATTERY CLIPS OR ATTACH DIRECT TO BATTERY TERMINALS.

FlounderPro 2850 (30W COB) pulls 2.5 amps



FlounderPro 2850

Fits 1.25"
Schedule 40
PVC Fittings



Red or Brown Wire is POSITIVE
Black or Blue Wire is NEGATIVE

For Underwater Use Only!

CAUTION: DO NOT OVER TIGHTEN WHEN THREADING INTO PVC.
The Light Head May Not screw completely into the PVC fitting. **DO NOT OVER TIGHTEN.**

CAUTION: DO NOT UNSCREW THE LENS COVER OR DISASSEMBLE THE LIGHT.
There are no replaceable parts in this light. Disassembly or unscrewing the lens cover may cause the light to leak!

Correct Polarity is Required
The light will NOT work if you reverse the Positive and Negative wires.

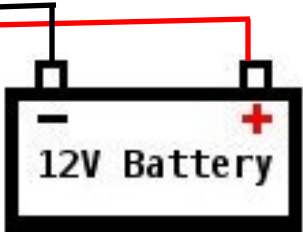
Questions?
(785)621-2646
Fishing Lights Etc. LLC
fishinglightsetc.com



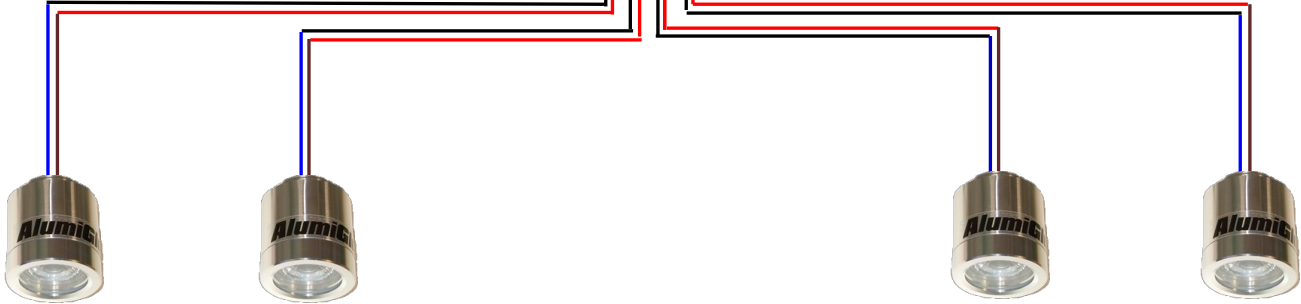
FlounderPro 2850

COB threads fit
1.25" Schedule 40 PVC

Twist all "Positive" wires together
Twist all "Negative" wires together
Attach to a 16-18 gauge power cord.
Do not attach more than (6) lights per power-cord



Wiring
Red or Brown Wire is POSITIVE
Black or Blue Wire is NEGATIVE
Connect Red/Brown Wire to Red Positive Wire
Connect Black/Blue Wire to Black Negative Wire



Correct Polarity is Required
The light will NOT work if you reverse the Positive and Negative wires.

785-621-2646

Fishing Lights Etc. LLC

fishinglightsetc.com

AlumiGlo
FlounderPro 2850



Installation:

1. Attach the Positive + (Red or Brown) wire and Negative - (Black or Blue) wire to the Positive and Negative Power-Cord wires. **(CORRECT POLARITY IS REQUIRED)**
2. Prior to screwing the light into the PVC fitting, rotate the light head 4 turns to the Left. This will prevent the wire from twisting and crimping when you screw the light into the PVC.,
3. Insert the light head into the PVC fitting and rotate to the Right until the light head is tight. **DO NOT OVER TIGHTEN IT!**

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