



# FlounderPro 4400-X1

Fits 1.25"  
Schedule 40  
PVC Fittings



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

**For BELOW Water Use Only!**

**CAUTION: DO NOT OVER TIGHTEN WHEN THREADING COB INTO PVC.**  
The COB May Not screw completely into the PVC fitting. DO NOT OVER TIGHTEN or the light can be damaged.

**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!

**Input Voltage: 12VDC to 36VDC**  
**Notice:** This light requires 12VDC to 36VDC to operate. If the battery voltage drops below 12VDC, the light will turn off and possibly be damaged!

Lights and connections are completely water tight and will not leak. If you want to make the PVC rig waterproof, use Teflon tape on the COB threads.

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

**Questions?**

**(785)621-2646**

**AlumiGlo Lighting**  
[www.fishinglightsetc.com](http://www.fishinglightsetc.com)

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.

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	16	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 the power-cord to over heat. As a result, damage to the power-cord, battery, lights and/ or your boat may occur. Use the correct gauge wire for all installations.

USE THIS CHART TO DETERMINE WIRE GAUGE AND MAXIMUM NUMBER OF COBS YOU CAN ATTACH TO EACH POWER-CORD

**FlounderPro 4400-X1 (40W) COB pulls 3.3 amps @ 12VDC**



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# FlounderPro COB LEDs



## COB 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 COB into the PVC fitting, rotate the COB head 4 turns to the Left prior to screwing it into the PVC fitting. This will prevent the wire from twisting and crimping when you screw the COB into the PVC.,
3. Insert COB head into PVC fitting and rotate to the Right until the COB head is tight. **DO NOT OVER TIGHTEN IT!**

Questions?

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