Basic Specifications

Wire Colors	Function
Red	V+ (11-28V DC)
Brown	V- or GND (0V DC)
White	Strobe Enable - Input
Yellow	WigWag Enable – Input
Green	WigWag Sync – Output
Specifications	
Supply Voltage	11 – 28 VDC
Power Usage	1.4A at constant illumination (11V) 0.7A Strobing (single light) or WigWag (2 Lights)
Wattage	15W (Constant illumination) , 7.5W Strobing
Lumens	1950 lumens, 13 Degree Beam
Maximum on time	1. Fixed Beam **– No more than 20 minutes** 2. Fixed Beam with forced cooling (outside mount with free air flowing over light) – **No more than 30 minutes** 3. Strobe or WigWag – No limit
Protection Rating	IP65 with full immersion – This is the desing and is prelimenary. Must still be tested
Functions	
1. Fixed Beam	
2. Strobe	For single or multiple lights
3. WigWag	For Dual Light installations

Next page , installation wiring

Single Light / One Switch / Flashing

Power

On

Off

Wig/Wag

Power in
12 to 28 V

Ground

Blank off

CNLighting
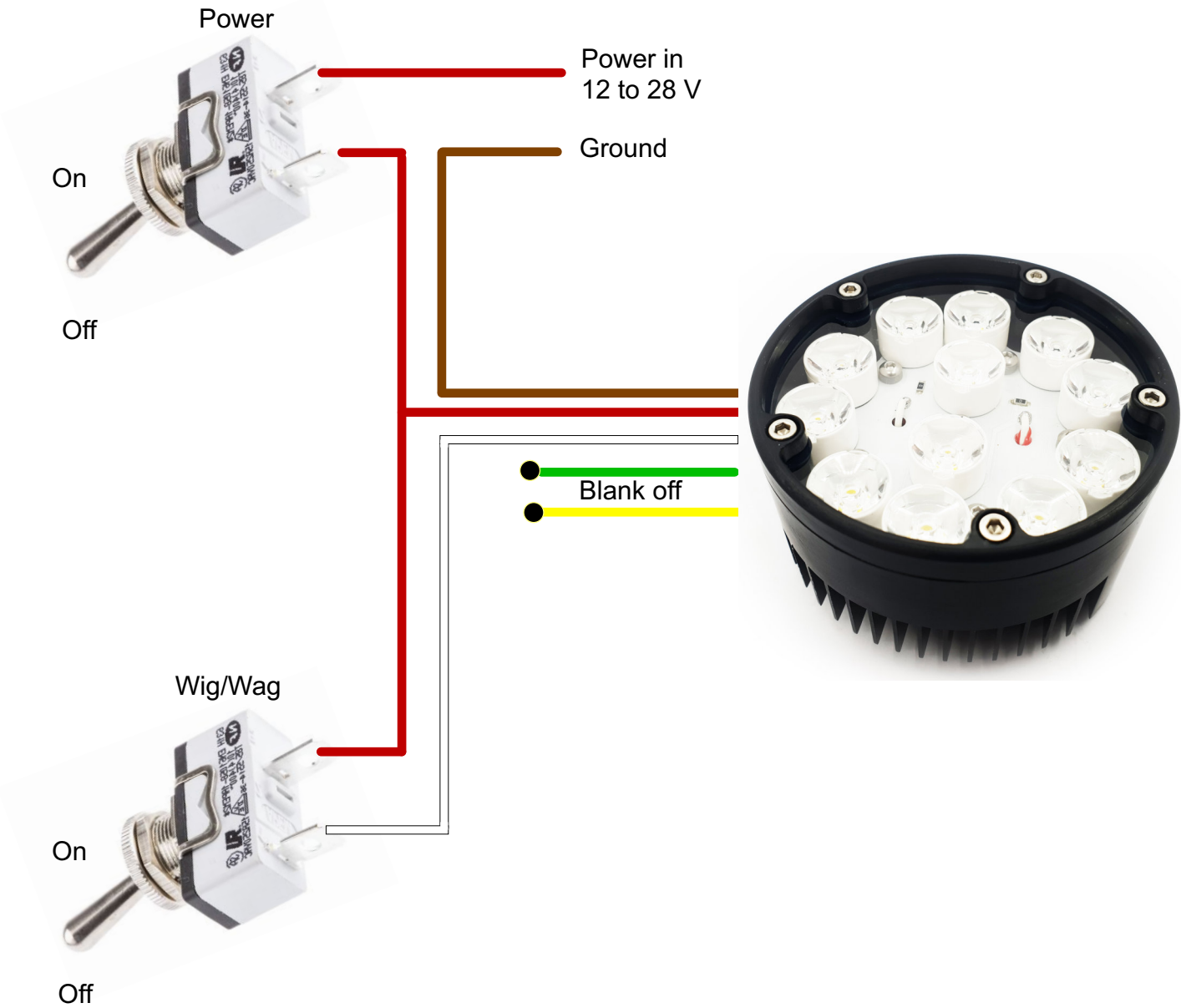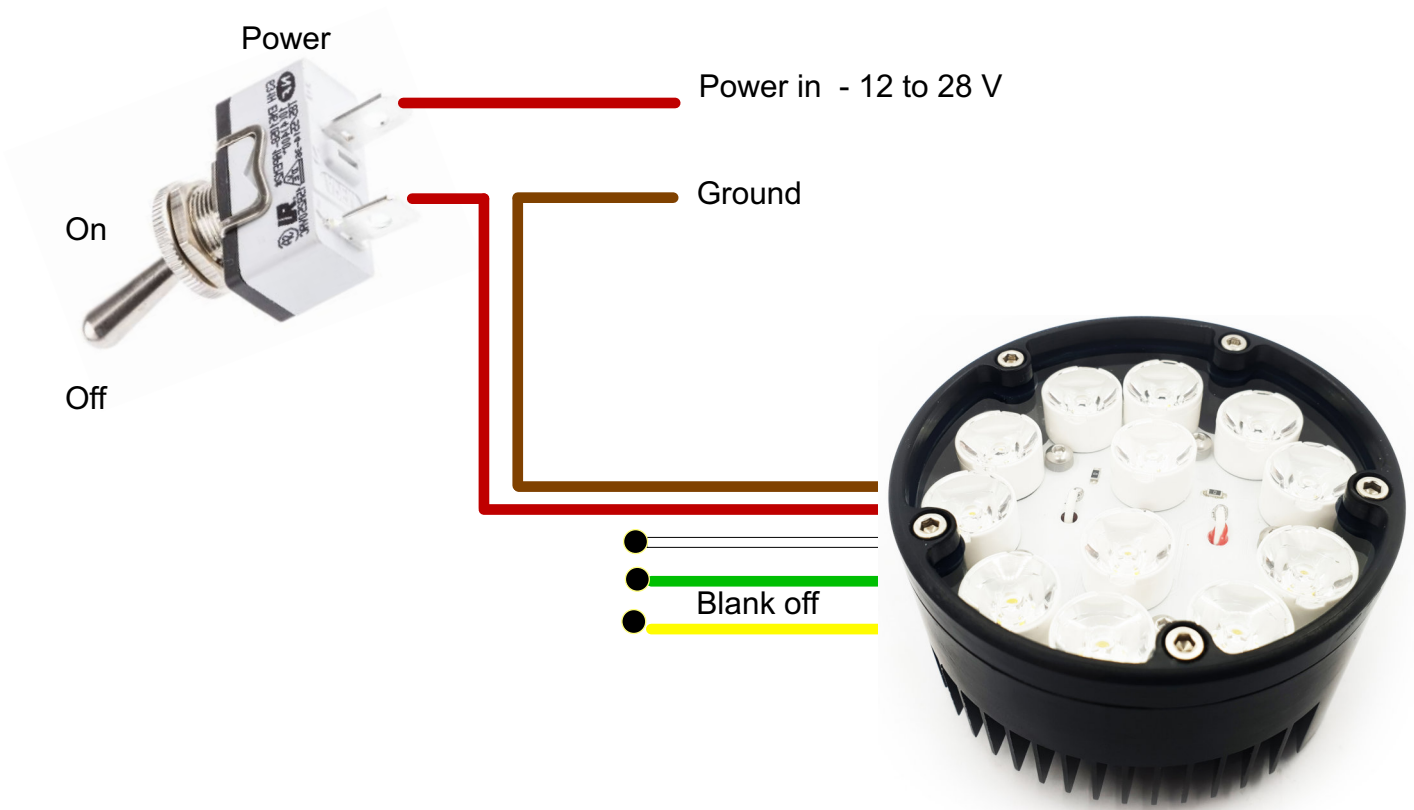Aviation Series
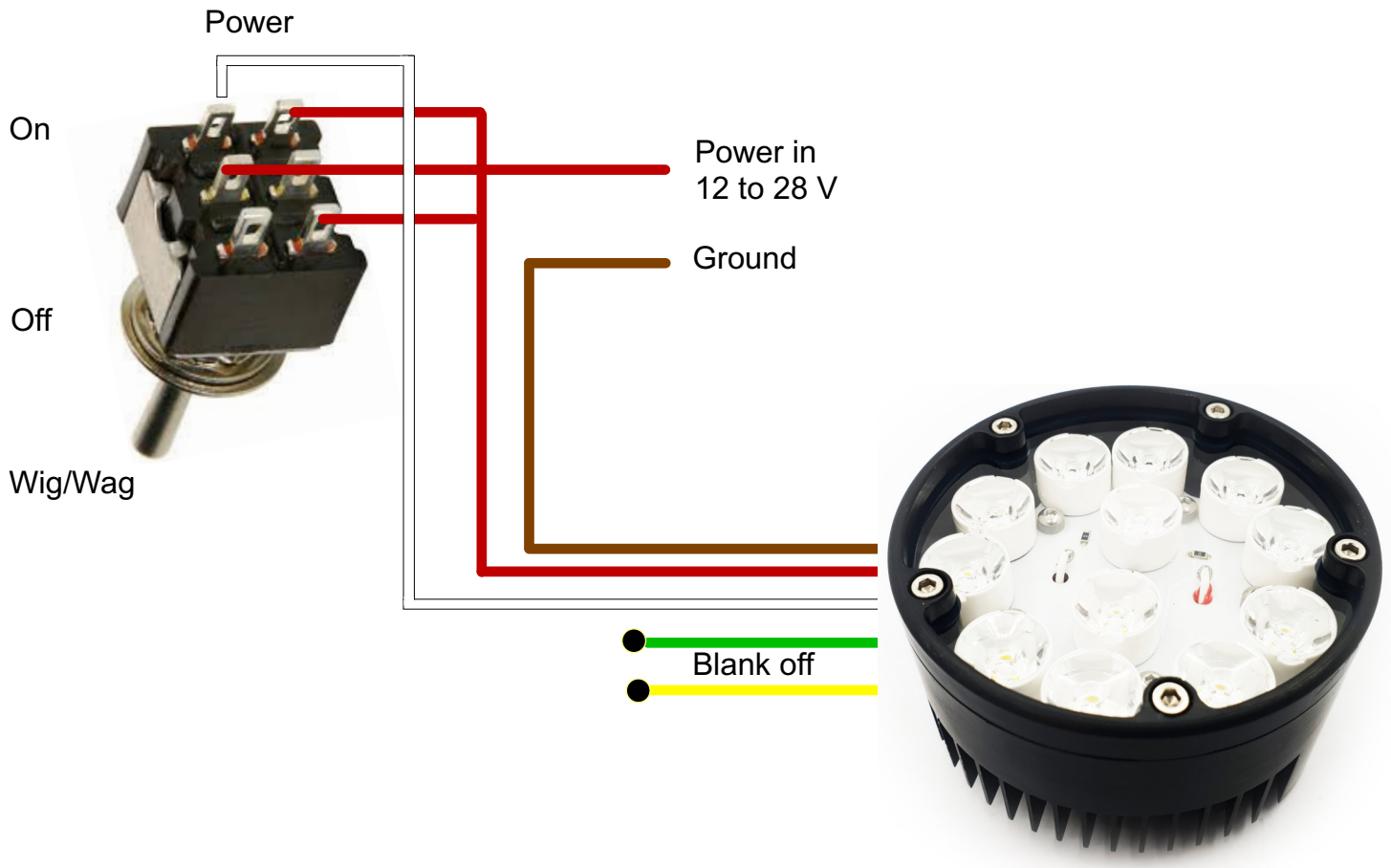
How to connect (without the switches)

1. Connect Red to Power.
2. Connect Brown to Ground.
3. Connect White to Power to enable Strobing.
4. Connect White to Ground or leave floating for fixed beam.
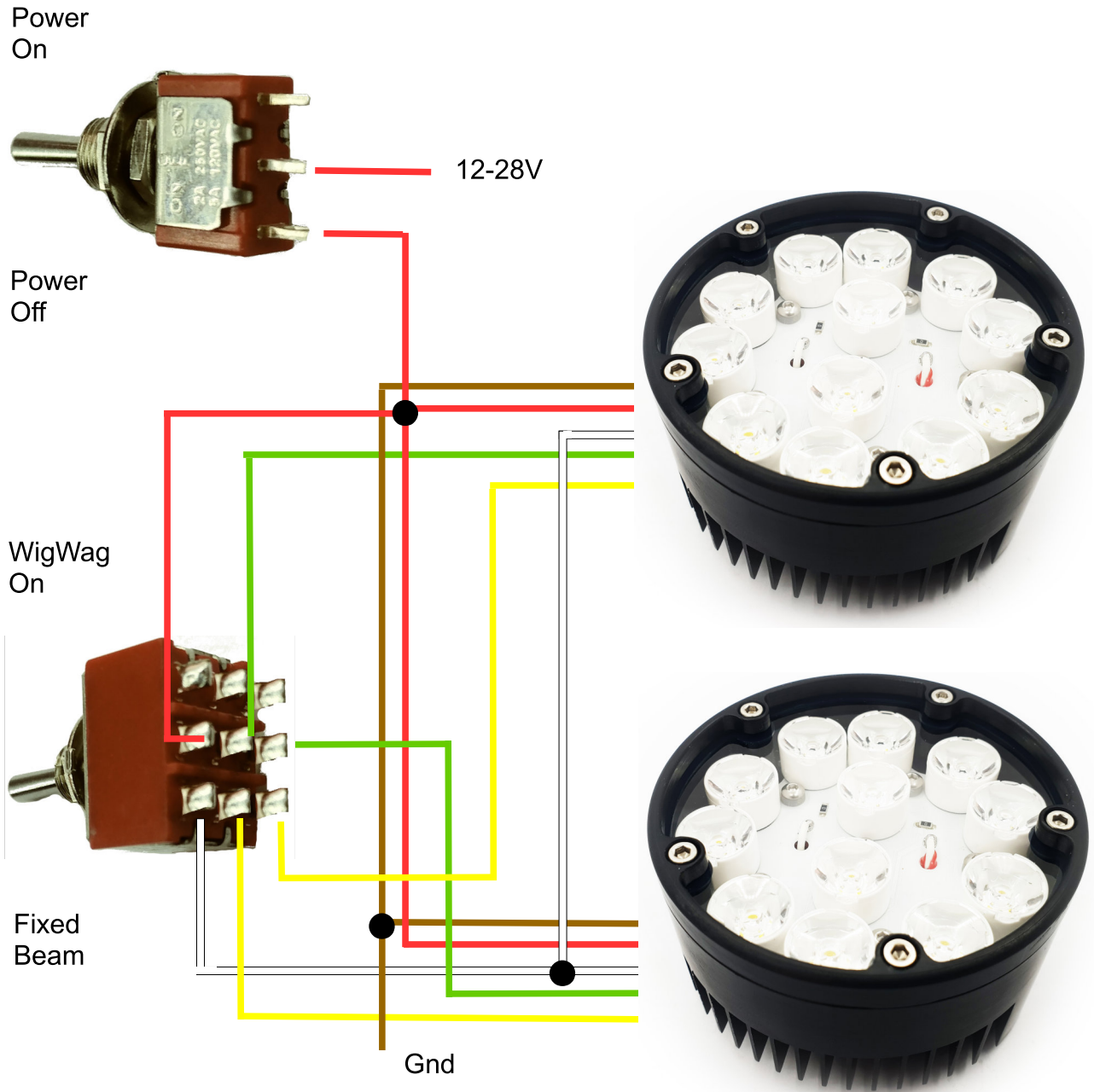5. Leave Yellow and Green floating and seal off.

Single Light / Two Switches / Flashing

Power

On

Off

Power in
12 to 28 V

Ground

Blank off

Wig/Wag

On

Off

Single Light / NO Flashing

Power

Power in - 12 to 28 V

Ground

On

Off

Blank off

CNLighting
Aviation Series

Dual Light with WIGWAG

Power
On

12-28V

Power
Off

WigWag
On

Fixed
Beam

Gnd

How to connect (without the switches)

6. Connect both Red wires to Power.
7. Connect both Brown wires to Ground.
8. Connect both White White wires to Power
9. Connect Yellow (Light 1) to Green (Light 2) and
10. Connect Yellow (Light 2) to Green (Light 1) for WigWag
11. Break connection between both pairs for fixed beam
12. Breaking only Yellows and Greens and leaving White connected to power will strobe both lights but not synchronised

CNLighting
Aviation Series