



INSTALLATION MANUAL

NITELITE™
STARFOB™
STARBASE™

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1. PRODUCT INFO

NiteLite™

Compatible with the Aveo StarFob™ remote control system, this light provides dual functions, a blue light for illumination of the ground around your aircraft nose and a white light for the wing leading edge illumination, which also double as an ice light.

11-36VDC power

StarFob™

Aveo makes night flying even safer and easier....turn your aircraft lights on from 50 meters away for ground illumination or beacon or nav or whatever you desire with the exclusive Aveo StarFob™ remote control fob.

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- Changes or modifications not expressly approved by the responsible party could void the user's authority to operate the equipment.
- This device may only be used with the approved internal antenna that is shipped with the unit and installed by the manufacturer. The use of any other antennas will invalidate the unit's FCC Part 15 certification.
- To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication. Operating the device with the supplied, internal antenna will ensure that this requirement is met.

StarBase™

The tiny control box base station that gives the StarFob™ complete control over your aircraft lights by remote control keyfob.

Input power voltage: 9-36VDC

Output power voltage: 9-36VDC

Output current: 2A maximum per channel

Number of power outputs:

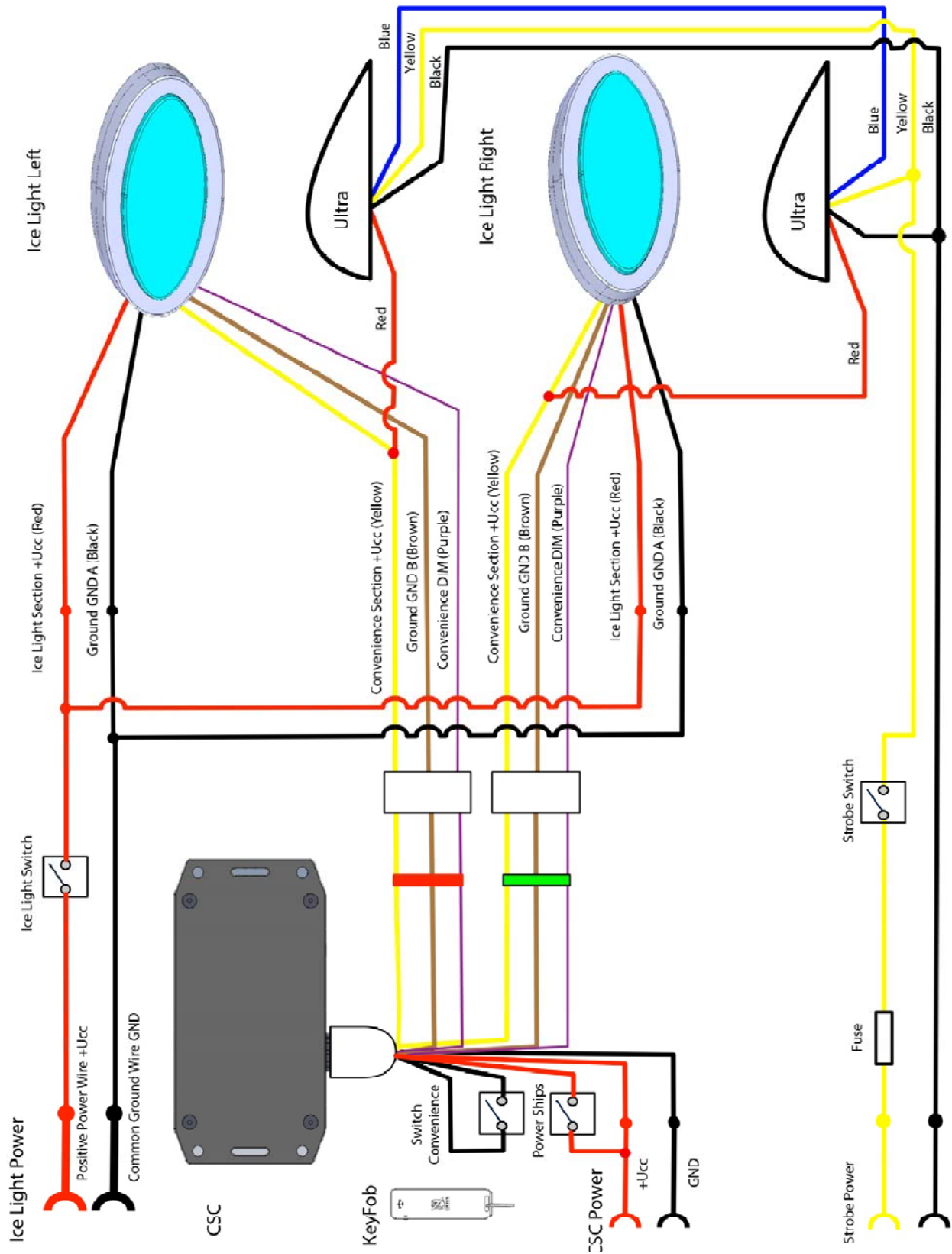
- positive: 2

- negative: 2

Number of PWM outputs: 2

AM Super Regenerative Receiver 433MHz

2. WIRING DIAGRAM

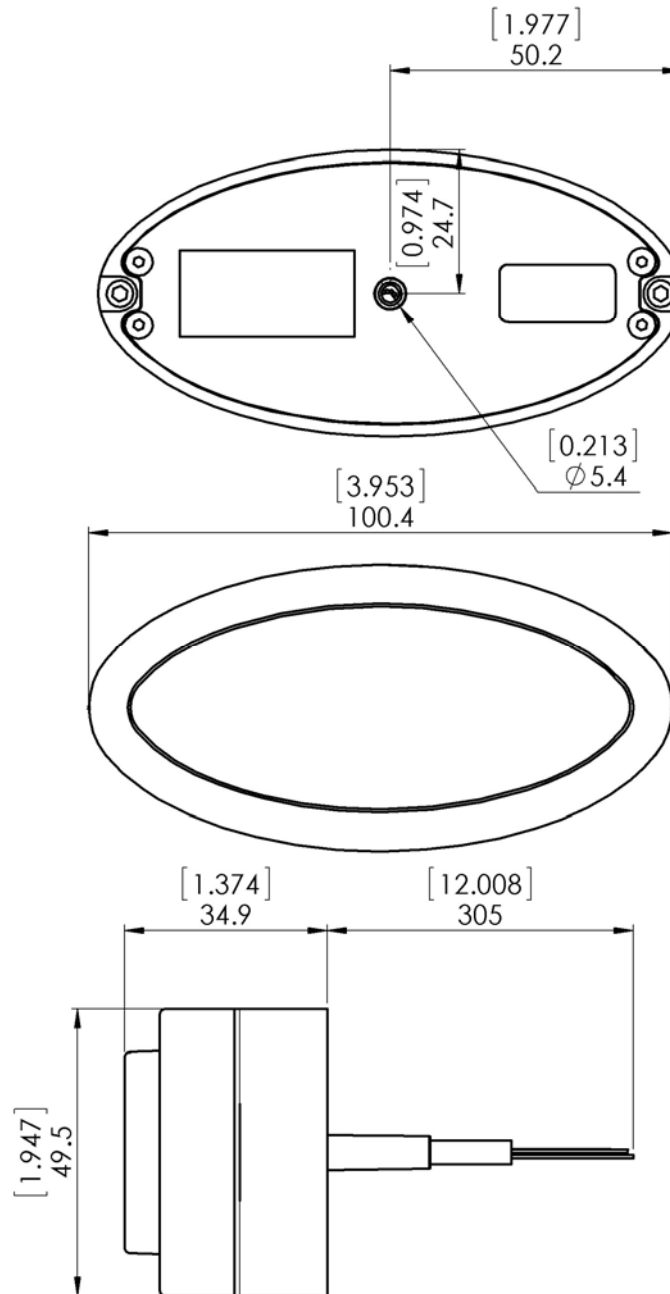


Pin	Signal function	Signal type	Max Current / Voltage	Function description
1	28V Power	Pwr In	4A	Constant power <2.0A per channel. Circuit protection on circuit breaker panel
2	28V Ships Power Sense In	In	10 mA	Sense when ships power is on.
3	L Convenience Light Pwr	Pwr Out	2.5A	Provides power to convenience lights @ wingtip
4	L Convenience Light Pwr Rtn	Pwr Rtn	2.5A	Power return from convenience lights @ wingtip
5	L Convenience Light Ctrl	Out	10 mA	Control signal for convenience lights @ wingtip
6	R Convenience Light Pwr	Pwr Out	2.5A	Provides power to convenience lights @ wingtip
7	R Convenience Light Pwr Rtn	Pwr Rtn	2.5A	Power return from convenience lights @ wingtip
8	R Convenience Light Ctrl	Out	10 mA	Control signal for convenience lights @ wingtip
9	Convenience Light Sw In	In	<5mA	Momentary Gnd/Open switch – Gnd activates/deactivates ground illumination and halo lights
10	Convenience Light Sw Out	Out	<5mA	Signal out to interior convenience switch
11				
12				
13				
14				
15	Power Return	0Vdc	<4A	Power Return

Table 1: CSC connector signal descriptions

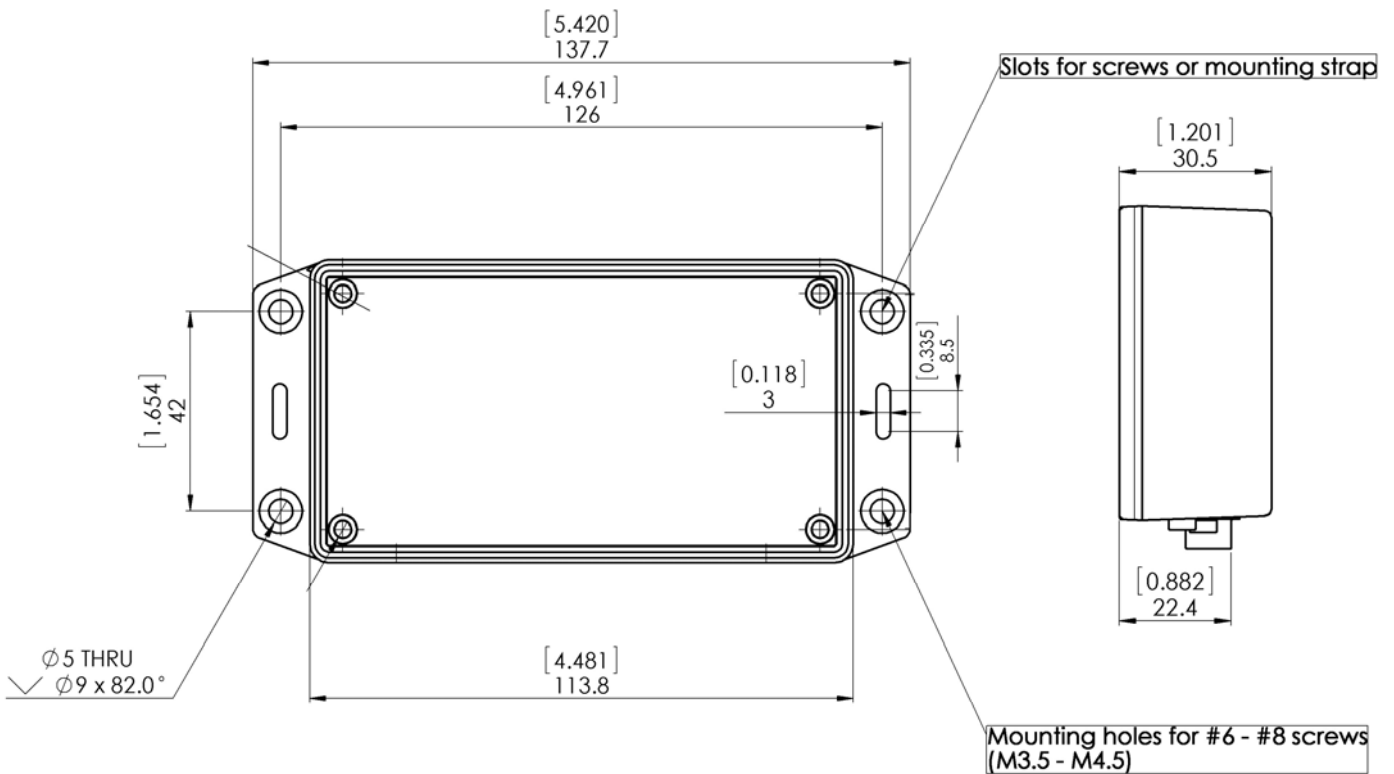
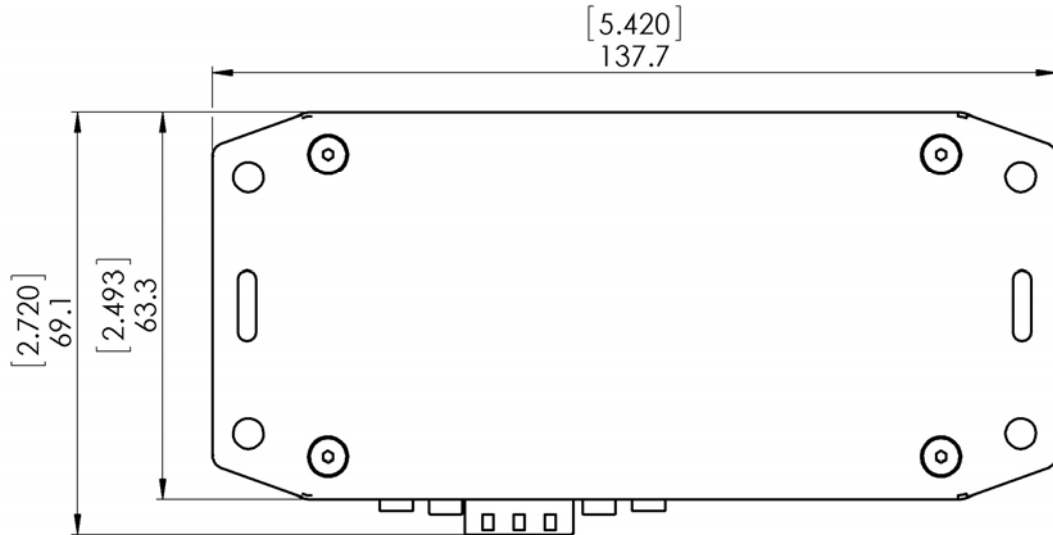
3. TECHNICAL DRAWING

NiteLite™



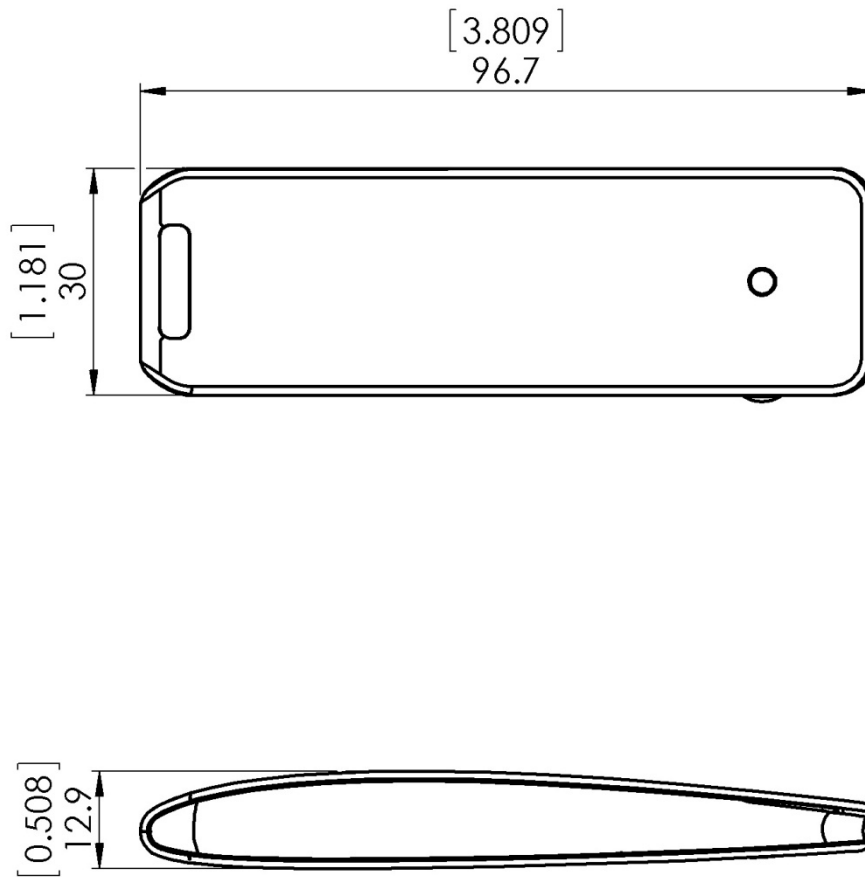
dimensions in [inches] mm

StarBase™



dimensions in [inches] mm

StarFob™



dimensions in [inches] mm

4. WIRING CHART

