

# LIGHTING • ELECTRICAL SYSTEM

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## Concorde Batteries

### Aircraft Application Guide for Concorde Batteries

The applicability data in the chart below is basic. Please contact Univair for exact make/model applicability prior to purchasing a battery. Some installations may require airframe or battery box modifications. Local field approval, logbook entry, or STC may also be required. This is not a complete listing of all available applications.

Aircraft Make/Model	Concorde Battery
<b>AMERICAN CHAMPION (AERONCA, CITABRIA)</b>	
7ECA, 7GCAA, 7KCAB, 8GCBC, 8KCAB	RG-25
<b>CESSNA</b>	
120, 140, 140A	RG-25
150 and 152 Series	RG-25XC
170 thru 177 Series	RG-35
180 thru 188 Series	RG-35AXC
190 and 195 Series	
206, 207, 210 Series	
303, 305, 310, 320, 335, 337, 340 Series	
401, 402, 404, 411, 414, 421 Series	
<b>MAULE</b>	
M-4, M-5, M-6, M-7, M-8, MT-7, MX-7, MXT-7	RG-35A RG-35AXC
<b>MOONEY</b>	
M20, M20A through G, M20J (S/N 24-0001 to 24-2999), M20K (S/N 25-0001 to 25-0999)	RG-35AXC

### Aircraft Make/Model

### Concorde Battery

#### PIPER

PA-12, PA-18, PA-18A, PA-19	RG-25
PA-20, PA-22, PA-23, PA-24, PA-25, PA-28	RG-25XC
PA-30, PA-31, PA-32, PA-34, PA-36, PA-38, PA-39	RG-35A RG-35AXC
PA-40, PA-44, PA-46, PA-60, PA-400	

#### UNIVAIR

Ecoupe 415 Series Forney F-1A Alon A-2, A-2A Mooney M-10	RG-25
Stinson 108, 108-1, -2, -3, -5	RG-35A

### RG-25 Battery

- Voltage: 12 volts
- Rated Capacity: 22.00Ah
- IPP (23°C/74°F): 700A
- IPR (23°C/74°F): 500A
- Dimensions: 5.18"L x 7.71"W x 6.81"H
- Weight: 22.75 lb



Concorde Battery ..... RG-25 ..... **\$355.00**

### RG-25XC Battery

- Voltage: 12 volts
- Rated Capacity: 24.00Ah
- IPP (23°C/74°F): 850A
- IPR (23°C/74°F): 600A
- Dimensions: 5.18"L x 7.71"W x 6.81"H
- Weight: 23.5 lb



Concorde Battery ..... RG-25XC ..... **\$410.00**

## RG-35A Battery

- Voltage: 12 volts
- Rated Capacity: 29.00Ah
- IPP (23°C/74°F): 1000A
- IPR (23°C/74°F): 800A
- Dimensions: 5.17"L x 9.78"W x 6.83"H
- Weight: 29.5 lb



Concorde Battery .....RG-35A ..... **\$468.00**

## RG-35AXC Battery

- Voltage: 12 volts
- Rated Capacity: 33.00Ah
- IPP (23°C/74°F): 1200A
- IPR (23°C/74°F): 900A
- Dimensions: 5.17"L x 9.78"W x 6.83"H
- Weight: 32 lb



Concorde Battery .....RG-35AXC ..... **\$510.00**

# Power Supplies

Description	Part #	Price
Whelen Power Supply with Molex Connectors.....	A490TCFM-14/28	<b>\$377.52</b>
Whelen Power Supply with Military Connectors.....	01-0790079-04	<b>\$1,429.74</b>
Whelen Power Supply, 2 Outlet, 28V .....	01-0770899-00	<b>\$737.10</b>

## Whelen Power Supply – Model HT-CF



Whelen's most compact, single-source power supply produces an accumulated 19 joules of energy.

- Specifications:** Power Consumption: 1.7 amps @ 14 volts DC, .85 amps @ 28 volts DC • Weight: 1.2 lb • Length: 5.0 inches • Width: 3.12 inches • Height: 2.25 inches • Flash Rate: 50+/-5FPM



Power Supply HT-CF.....A490T-CF-14/28 ..... **\$857.22**

## Whelen Power Supply – Model HDS

Model HDS produces 20 joules of energy alternating between two light assemblies. This unit produces a single flash and has a low current draw.



- Specifications:** Power Consumption: 4 amps @ 14 volts DC, 2 amps @ 28 volts DC • Weight: 2 lb • Height: 2.375 inches • Length: 5.5 inches • Width: 5.0 inches • Flash Rate: Alternately at 90+/-5 FPM

Power Supply HDS.....A413AHDS-14/28 ..... **\$1,106.78**

## Whelen Power Supply – Model HDA-CF

The HDA-CF is the finest power supply system available. It has the capacity for simultaneous flashing, alternate flashing, or both. A 2-light system alternate flashing produces 25 joules to each light. A 2-light system simultaneous flashing produces 12 joules to each light. A 3-light system produces 12 joules to each simultaneous light, and 25 joules to the third light.



A 4-light system produces 12 joules of energy to each light. The HDA-CF requires a special 3-conductor cable cord routed from the power supply to the light assemblies.

- Specifications:** Power Consumption: 7.0 amps @ 14 volts DC, 3.5 amps @ 28 volts DC • Weight: 3 lb • Length: 5.5 inches • Width: 5 inches • Height: 3.25 inches • Flash Rate: Alternately at 90+/- 5FPM, Simultaneously at 50 +/- 5FPM

Power Supply HDA-CF.....A413AHDA-CF ..... **\$842.40**

### Recommended Components – Priced and Sold Separately

- For 2 Lights: (x1) 60 Foot Wiring Installation Package .....HD-60 ..... **\$199.68**  
 For 3 Lights: (x1) 90 Foot Wiring Installation Package ..... HD,T3-90 ..... **\$267.54**  
 For 4 Lights: (x2) 60 Foot Wiring Installation Packages.....HD-60 ..... **\$199.68**

See our website for complete list of components included in each kit.

## Whelen Power Supply – Model HTS-CF

The HTS-CF produces an estimated 34 joules of energy. It can be equipped to flash simultaneously with up to 5 other HTS-CF power supplies by connecting an 18 gauge wire between the synchronization mechanisms in each power supply. An 18 gauge low voltage wire supplies power to each HTS power supply.



- Specifications:** Power Consumption: 4.0 amps @ 14 volts DC, 2.0 amps @ 28 volts DC • Weight: 1.7 lb • Length: 5.0 inches • Width: 3.12 inches • Height: 3.06 inches

Power Supply HTS-CF.....A490ATSCF14/28 ..... **\$857.22**



2007 Cublite at Oshkosh  
Photo by Jason Huber

## Interior and Cockpit Lighting

### A300 Whelen Map Reading Light

- Designed for indirect cockpit illumination
- Slide switch permits direct chart reading
- Available with red or instrument white lens

**Specifications:** 6 watt lamp • Diameter: 4.125 inches • Depth Behind Mounting Flange: 1.06 inches • Weight: 0.16 lb



#### Map Reading Light

14 Volt, White Lens .....	A300-14 .....	<b>\$325.26</b>
14 Volt, Red Lens.....	A300-14-R .....	<b>\$292.50</b>
28 Volt, White Lens .....	A300-28 .....	<b>\$325.26</b>

### 70820 Series LED Map Light

- Long life (approximately 20,000 hours)
- Reduced power consumption compared to alternative light sources
- Shock and vibration resistant
- For cabin or cockpit illumination
- 360° swivel base



**Specifications:** Current draw: 0.02 amps @ 14 VDC, 0.02 amps @ 28 VDC • Weight: 0.19 lb

Natural Aluminum Finish, White LED, 14 volt.....	01-0770820-00 .....	<b>\$221.52</b>
Natural Aluminum Finish, White LED, 28 volt.....	01-0770820-01 .....	<b>\$221.52</b>
Black Anodized Finish, White LED, 14 volt.....	01-0770820-02 .....	<b>\$221.52</b>
Black Anodized Finish, Red LED, 14 volt .....	01-0770820-04 .....	<b>\$221.52</b>
Black Anodized Finish, Red LED, 28 volt .....	01-0770820-05 .....	<b>\$221.52</b>

### A1719 Grimes Map Light

- Specify 12 or 24 volt when ordering
- Will mount over instruments or any place convenient in the cockpit



Map Light .....A1719 ..... **\$41.81**

### 70339 Dome Flood and Compartment Light

- For recessed overhead or wall mounting with minimal depth
- Can be supplied with an on/off switch

**Specifications:** 6 Watt Lamp • Diameter: 4.125 inches • Depth behind mounting flange: 1.06 inches • Weight: 0.16 lb



14 Volts DC .....	70339-01 .....	<b>\$237.12</b>
28 Volts DC .....	70339-02 .....	<b>\$237.12</b>
14 Volts DC with Switch .....	70339-03 .....	<b>\$265.98</b>
28 Volts DC with Switch .....	70339-04 .....	<b>\$265.98</b>

### A315-L0 Cockpit Utility Light

Unit rotates for convenience in reading maps and illuminating instrument panel. Optional right angle bracket available for ease of mounting.

Cockpit Utility Light .....A315-L0-14..... **\$53.04**



### A315-HI Cockpit Utility Light

This cockpit utility light rotates for convenience in reading maps and illuminating instrument panels. Furnished with right angle bracket for ease of mounting.

Red.....A315-HI-14-R ..... **\$114.66**  
White .....A315-HI-14-W ..... **\$120.12**



### A350 Instrument Post Light

Illuminates the instrument panel and functions as one of the instrument mounting bolts. The A350 can be equipped with a dimmer if desired.

14 Volt..... A35014SC..... **\$64.74**  
28 Volt..... A350CBS28V..... **\$40.60**



## External Lighting

### HRCFA Whelen CometFlash® Anti-Collision Strobe Light

- Power consumption: 3.2 amps @ 14 volts DC, 1.6 amps @ 28 volts DC
- Weight: 1.5 lb
- Diameter: 3.71 inches
- Height: 7.25 inches
- Flash rate: 50 ± 5 FPM
- Lens material: Lexan® polycarbonate



Strobe Light with White Lens.....	HR-CFA-14/28W .....	<b>\$468.00</b>
Strobe Light with Red Lens .....	HR-CFA-14/28R .....	<b>\$468.00</b>
Strobe Light with Split White/Red Lens .....	HR-CFA-14/28S .....	<b>\$468.00</b>
Replacement Flash Tube.....	A469B .....	<b>\$197.34</b>

### SACF Whelen CometFlash® Anti-Collision Strobe Light

- Dome: Glass, Aviation White
- Weight: 1.5 lb (680 gm)
- Height: 5.50" (140 mm)
- Diameter: 3.7" (94 mm)
- Power Consumption: 3.2 amps @ 14 VDC, 1.6 amps @ 28 VDC



Whelen Self-Contained Strobe.....	SA-CF-14/28 .....	<b>\$581.25</b>
Replacement Flash Tube.....	SA406 .....	<b>\$230.10</b>

# LIGHTING • ELECTRICAL SYSTEM

## Grimes Wing Lights



1) Grimes Type B Wing Light		
Red Lens.....	A2430-2R-94 .....	<b>\$310.26</b>
Green Lens .....	A2430-2G-94 .....	<b>\$310.26</b>
2) Grimes Type A Wing Light		
Red Lens.....	A1228-1R-93 .....	<b>\$414.91</b>
Green Lens .....	A1228-1G-93 .....	<b>\$414.91</b>
Grimes Type A, B, C		
Lens Bail.....	A1234 .....	<b>\$9.00</b>
Lens Gasket .....	A1232 .....	<b>\$1.78</b>

## Whelen Anti-Collision Systems

### Two Light Strobe Kit

- For use with existing model E style lights
- All products priced and sold individually



Whelen 2-Light Strobe Kit .....	W2000 .....	<b>\$920.88</b>
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### Kit items purchased separately:

Strobe Light .....	2 required .....	A650 .....	<b>\$289.38</b>
Power Supply .....	1 required .....	A413AHDA-CF .....	<b>\$842.40</b>
60 Foot Wiring Package.....	1 required .....	HD-60 .....	<b>\$199.68</b>

### Three Light Strobe Kit

- 14 volt lights are listed
- 28 volt lights are also available



Whelen 3-Light Strobe Kit .....	W3000 .....	<b>\$1,234.80</b>
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### Kit items purchased separately:

Strobe Light .....	2 required .....	A650 .....	<b>\$289.38</b>
Tail Strobe Light, Horizontal.....	1 required .....	A500A-H-14 .....	<b>\$583.44</b>
Power Supply .....	1 required .....	A413AHDA-CF .....	<b>\$842.40</b>
90 Foot Wiring Package.....	1 required .....	HD,T3-90 .....	<b>\$267.54</b>

## Whelen Landing Light Mount



Standard equipment on new Beechcraft, and will retrofit into older aircraft as well. Accommodates PAR36 lamp, sold separately.

**Specifications:** Weight 0.4 lb • Diameter 4.75 inches • Length 6.5 inches • Depth 2.12 inches

Landing Light.....	A715-1 .....	<b>\$334.62</b>
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PAR36 Landing Light, 14 Volt, 60,000 CP .....	01-0771833-10 .....	<b>\$287.04</b>
PAR36 Taxi Light, 14 Volt, 15,000 CP .....	01-0771833-15 .....	<b>\$287.04</b>



## Whitaker Mount

For installation of Grimes and Whelen rotating beacon or strobe light on rudder. STC approved on Piper PA-11 to PA-25.

AW221 .....	<b>\$498.75</b>
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## 70509 Whelen Halogen Flashing Anti-Collision Light

- FAA TSO-C96A approved
- Completely self-contained – separate flasher power pack is not needed
- Weight: 0.27 lb (122 gm)
- Height: 3.75" (95 mm)
- Diameter: 2.65" (67 mm)
- Lamp: 35 watt halogen
- Power Consumption: 2.7 amps @ 14 VDC, 1.3 amps @ 28 VDC



Description	Part #	Price
28 Volt Flasher Assembly (Red/White).....	01-0770509-05 .....	<b>\$467.22</b>
28 Volt Flasher Assembly (White) .....	01-0770509-04 .....	<b>\$171.60</b>
28 Volt Flasher Assembly (Red).....	01-0770509-03 .....	<b>\$467.22</b>
28 Volt Replacement Lamp .....	02-0350433-01 .....	<b>\$125.58</b>
14 Volt Flasher Assembly (Red/White).....	01-0770509-02 .....	<b>\$467.22</b>
14 Volt Flasher Assembly (White) .....	01-0770509-01 .....	<b>\$467.22</b>
14 Volt Flasher Assembly (Red).....	01-0770509-00 .....	<b>\$467.22</b>
14 Volt Replacement Lamp .....	02-0350433-00 .....	<b>\$125.58</b>

## A450 Whelen Strobe Head

- Designed for use in severe vibration, chemical and moisture conditions.
- Dome: Glass, Clear
- Weight: 0.3 lb (136 gm)
- Exposed Height: 2.25" (57 mm)
- Diameter: 2.5" (64 mm)



Whelen Strobe Head Assembly .....	A450 .....	<b>\$425.10</b>
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### Replacement Parts

Lens, Clear.....	SA402 .....	<b>\$273.00</b>
Clamp Ring Assembly, Nylon .....	01-0450685-00 .....	<b>\$24.18</b>
Flash Tube Assembly .....	SA406 .....	<b>\$230.10</b>

## A430 Whelen Tail Strobe Light

Tail Strobe Assembly	
A430 .....	<b>\$241.02</b>



### Replacement Parts

Lens Retainer .....	A425 .....	<b>\$28.86</b>
Lens, White .....	A457A .....	<b>\$74.10</b>
Gasket (A455) .....	38-0230002-00 .....	<b>\$17.16</b>
Flash Tube Assembly .....	A435 .....	<b>\$230.10</b>

## Replacement Parts for A429 Wing Tip Strobe

The Whelen model A429 has been superseded by model A650. The following replacement parts are still available for A429.

Lens Retainer .....	A426 .....	<b>\$132.60</b>
Wingtip Lens for A427 .....	A428 .....	<b>\$137.28</b>
Strobe Tube Assembly .....	A427 .....	<b>\$128.70</b>
Gasket .....	W1283 .....	<b>\$22.62</b>
Reflector Lamp, 14 Volt, 26 Watt .....	W1290-14 .....	<b>\$95.06</b>
Reflector Lamp, 28 Volt, 26 Watt .....	W1290-28 .....	<b>\$95.16</b>
Lens, Green .....	W1284-G .....	<b>\$85.80</b>
Lens, Red .....	W1284-R .....	<b>\$85.80</b>
Base Plate Assembly .....	W1285-2 .....	<b>\$162.24</b>

## A500A Whelen Tail Position/ Strobe Light

For LED replacements, see the new Orion500 Series lighthoods from Whelen on page 206.

- Combination strobe/tail navigation light
- Provide 360° of strobe coverage
- Direct replacement for the standard tail position light
- Weight: 0.3 lb (136 gm)
- Exposed Height: 1.7" (43 mm)
- Diameter: 1.5" (38 mm)



Strobe Light, Horizontal Installation, 14 Volt .....	A500A-H-14 .....	<b>\$215.28</b>
Strobe Light, Horizontal Installation, 28 Volt .....	A500A-H-28 .....	<b>\$201.24</b>
Strobe Light, Vertical Installation, 14 Volt .....	A500A-V-14 .....	<b>\$215.28</b>
Strobe Light, Vertical Installation, 28 Volt .....	A500A-V-28 .....	<b>\$215.28</b>

### Replacement Parts

Lens Retainer, Vertical Mount .....	A425A-V .....	<b>\$50.70</b>
Lens, White .....	A457A .....	<b>\$74.10</b>
Gasket (A455) .....	38-0230002-00 .....	<b>\$17.16</b>
Halogen Lamp, 14 Volt, 25 Watt .....	A508-14 .....	<b>\$45.24</b>
Halogen Lamp, 28 Volt, 25 Watt .....	A508-28 .....	<b>\$45.24</b>
Flash Tube Assembly .....	A506 .....	<b>\$354.90</b>

## W1555A Whelen Tail Light

- Features two 25 watt hard glass halogen lamps separately controlled by an electronic switch; if the primary light fails, the second lamp is electronically activated
- TSO-C30b Approval
- Available in 14 volt or 28 volt
- Weight: 0.3 lb
- Diameter: 1.50 inches
- Exposed height: 1.75 inches



Tail Light, 14 Volt, Vertical Mount .....	W1555AV-14 .....	<b>\$224.64</b>
Tail Light, 28 Volt, Vertical Mount .....	W1555AV-28 .....	<b>\$241.80</b>
Tail Light, 28 Volt, Horizontal Mount .....	W1555AH-28 .....	<b>\$241.80</b>

## A555A Whelen Tail Position Light

For LED replacements, see the new Orion500 Series lighthoods from Whelen on page 206.

- Manufactured of non-magnetic materials
- Dome: Pyrex glass, Aviation White
- Weight: 0.3 lb
- Exposed Height: 1.75 inches
- Diameter: 1.5 inches



Horizontal Installation, 14 Volt .....	A555A-H-14 .....	<b>\$148.59</b>
Horizontal Installation, 28 Volt .....	A555A-H-28 .....	<b>\$148.59</b>
Vertical Installation, 14 Volt .....	A555A-V-14 .....	<b>\$148.59</b>
Vertical Installation, 28 Volt .....	A555A-V-28 .....	<b>\$148.59</b>

### Replacement Parts

Lens Retainer, Vertical Mount .....	A425A-V .....	<b>\$50.70</b>
Lens, Clear .....	A457A .....	<b>\$74.10</b>
Gasket (A455) .....	38-0230002-00 .....	<b>\$17.16</b>
Halogen Lamp, 14 Volt, 25 Watt .....	A508-14 .....	<b>\$45.24</b>
Halogen Lamp, 28 Volt, 25 Watt .....	A508-28 .....	<b>\$45.24</b>
Socket Assembly .....	A507 .....	<b>\$58.50</b>

## Whelen Strobe Tube Assembly and Lens

FAA-PMA APPROVED

- Applicability: Cessna single engine aircraft 1972 and later

In this system the A610 and A612 are mounted directly onto the wingtip retainer. Use the A612 as a template for cutting a hole in the existing light shield. This system requires very little time or labor to install. The A612 magnifying lens increases the light intensity by two to three times in the horizontal plane.

Strobe Tube Assembly .....	A610 .....	<b>\$128.70</b>
Magnifying Lens, Clear .....	A612 .....	<b>\$69.42</b>



## W1250 Whelen Position Light

- TSO-C30b Approval

The W1250PG and W1250PR are approved position lights. They are designed to fit underneath the wingtip fairings.

**Specifications:** Weight: 0.3 lb • Exposed height: 1.25 inches • Length: 2.75 inches

Red LED Light, 14 Volt .....	01-0771379-12 .....	<b>\$297.18</b>
Green LED Light, 14 Volt .....	01-0771379-11 .....	<b>\$297.18</b>
Green Light .....	W1250PG-14 .....	<b>\$196.56</b>



Visit [www.univair.com](http://www.univair.com) for our complete inventory of internal and external aircraft lighting.

# LIGHTING • ELECTRICAL SYSTEM

## A470A Whelen Strobe Light

**PLEASE NOTE:** Model A470A lenses can NOT be used as replacements for the old cone-shaped lenses, model A402. If you have any questions, please contact our customer support team at 1-888-433-5433 and we will be happy to help you determine which style lens your aircraft requires.



- Compatible with all Whelen power supplies
- Can be installed on the fuselage or the vertical fin
- Provides maximum 360 degrees of uniform light coverage
- All assemblies require either the model H102 or H103 mounting adapter

Strobe Light Assembly, Red Lens .....	A470A-R .....	<b>\$289.38</b>
White Lens .....	A470A-W .....	<b>\$270.66</b>
Split Red/White Lens .....	A470A-S .....	<b>\$270.66</b>
"A" Mounting Adapter, 2.5" Diameter .....	H102 .....	<b>\$28.86</b>
"B" Mounting Adapter, 3.75" Diameter .....	H103 .....	<b>\$106.86</b>

### Replacement Parts

Optic Lens, Red .....	A402A-R .....	<b>\$69.42</b>
White .....	A402A-W .....	<b>\$69.42</b>
Red/White Split .....	A402A-S .....	<b>\$69.42</b>
Clamp Ring Assembly, Nylon .....	01-0450685-00 .....	<b>\$24.18</b>
Gasket, 2.5" diameter, .046" thick .....	A467 .....	<b>\$17.16</b>
Flash Tube Assembly .....	A469B .....	<b>\$197.34</b>
3 Position Male Connector with Pins .....	A441 .....	<b>\$16.38</b>

## A402 Replacement Parts

**PLEASE NOTE:** Model A402 lenses are NOT interchangeable with the new bell-shaped lenses, model A470A. If you have any questions, please contact our customer support team at 1-888-433-5433 and we will be happy to help you determine which style lens your aircraft requires.



Cone Shaped Optic Lens, Red .....	A402-R .....	<b>\$69.42</b>
White .....	A402-W .....	<b>\$69.42</b>
Red/White Split .....	A402-R/W .....	<b>\$69.42</b>
Green .....	A402-G .....	<b>\$29.40</b>
Clamp Ring Assembly, Nylon .....	01-0450685-00 .....	<b>\$24.18</b>
Gasket, 2.5" diameter, .046" thick .....	A467 .....	<b>\$17.16</b>
Flash Tube Assembly .....	A469A-D .....	<b>\$325.26</b>
3 Position Male Connector with Pins .....	A441 .....	<b>\$16.38</b>

## Whelen Replacement Connectors



Kit, 3 Position Male Connector with Pins .....	A441 .....	<b>\$16.38</b>
Kit, 3 Position Female Connector with Sockets .....	A442 .....	<b>\$16.38</b>

## Whelen LED Wingtip and Tail Position Lights

- LED Power Consumption: 0.25 Amps @ 14V
- LED Color: Aviation Green or Red
- Weight: 0.20 Lbs 14V
- Exposed Height: 2.70 inches
- Lens: Clear Polycarbonate



71105 series are fully FAA TSO compliant Forward Position lights. LEDs provide a significant reduction in electrical current draw over conventional light bulbs. Direct replacement for Whelen Model W1285 series.

Red Light .....	01-0771105-02 .....	<b>\$325.26</b>
Green Light .....	01-0771105-01 .....	<b>\$325.26</b>

**!** Replacement parts below are for the old non-LED lights, part numbers W1285PR-14 and W1285PG-14.

### Replacement Parts

Lens Retainer/Cover .....	W1282 .....	<b>\$87.36</b>
Lens, Red .....	W1284-R .....	<b>\$85.80</b>
Lens, Green .....	W1284-G .....	<b>\$85.80</b>
Reflector Lamp, 14 Volt, 26 Watt .....	W1290-14 .....	<b>\$95.06</b>
Reflector Lamp, 28 Volt, 26 Watt .....	W1290-28 .....	<b>\$95.16</b>
Gasket .....	W1283 .....	<b>\$22.62</b>
Base Plate Assembly .....	W1285-2 .....	<b>\$162.24</b>

## A600 PG/PR Series Whelen Strobe Light

For LED replacements, see the new Orion600 Series lightheads from Whelen on page 206.

- Ready to install forward and tail position lights
- Weight: 0.5 lb
- Exposed Height: 2.4 inches
- Length: 5.625 inches
- Lens: A612 clear magnifying lens
- Specify 14 or 28 volts when ordering



Strobe Light Assembly, Red (A600-PR-14) .....	01-0790340-02 .....	<b>\$928.98</b>
Strobe Light Assembly, Green .....	A600-PG-14 .....	<b>\$442.85</b>

### Replacement Parts

Lens Retainer .....	A606 .....	<b>\$88.92</b>
Magnifying Lens, Clear .....	A612 .....	<b>\$69.42</b>
Flash Tube Assembly .....	A610 .....	<b>\$128.70</b>
Lens, Green .....	W1284-G .....	<b>\$85.80</b>
Red .....	W1284-R .....	<b>\$85.80</b>
Clear .....	A615 .....	<b>\$128.70</b>
Halogen Lamp, 14 Volt, 25 Watt .....	A508-14 .....	<b>\$45.24</b>
28 Volt, 25 Watt .....	A508-28 .....	<b>\$45.24</b>
Gasket .....	W1283 .....	<b>\$22.62</b>
Reflector Lamp, 14 Volt, 26 Watt .....	W1290-14 .....	<b>\$95.06</b>
28 Volt, 26 Watt .....	W1290-28 .....	<b>\$95.16</b>

Order online at [www.univair.com](http://www.univair.com)

## A625 Whelen Strobe Light

FAA-PMA  
APPROVED

- For aircraft with wingtip tanks
- For aircraft with enclosed position lights
- Use as an add-on strobe on the wing or the tail
- Weight: 0.2 lb (91 gm)
- Exposed Height: 1.7" (43 mm)



Strobe Light Assembly, Clear Lens  
A625 ..... **\$261.30**

### Replacement Parts

Magnifying Lens, Clear.....A612 ..... **\$69.42**  
Flash Tube Assembly.....A627 ..... **\$202.02**

## A650 Whelen Wingtip Strobe Assembly

- Converts existing Whelen W1285 position lights into a position/anti-collision light system
- Weight: 0.2 lb (91 gm)
- Exposed Height: 2.4" (61 mm)



Wingtip Light.....A650 ..... **\$146.25**

### Replacement Parts

Lens Retainer .....A626 ..... **\$70.98**  
Magnifying Lens, Clear.....A612 ..... **\$69.42**  
Flash Tube Assembly.....A610 ..... **\$128.70**

## A650 PR/PG Whelen Wingtip Strobe Light

**For LED replacements, see the new Orion 650E Series lighthoods from Whelen on page 206.**

- Can be used to convert non-Whelen position lights into a position/anti-collision light system
- Weight: 0.6 lb (272 gm)
- Position Lamp Power Consumption: 2 Amps @ 14 VDC; 1 Amp @ 28 VDC
- Exposed Height: 2.4" (61 mm)
- Length: 4.0" (102 mm)
- Width: 1.7" (43 mm)



Red Light, 14 Volt.....A650-PR-14 ..... **\$799.50**  
Red Light, 28 Volt.....A650-PR-28 ..... **\$799.50**  
Green Light, 14 Volt .....A650-PG-14 ..... **\$799.50**  
Green Light, 28 Volt .....A650-PG-28 ..... **\$799.50**

### Replacement Parts

Lens, Red..... W1284-R ..... **\$85.80**  
Green..... W1284-G ..... **\$85.80**  
Gasket..... W1283 ..... **\$22.62**  
Reflector Lamp, 14 Volt, 26 Watt..... W1290-14 ..... **\$95.06**  
28 Volt, 26 Watt..... W1290-28 ..... **\$95.16**  
Lens Retainer .....A626 ..... **\$70.98**  
Magnifying Lens, Clear.....A612 ..... **\$69.42**  
Flash Tube Assembly.....A610 ..... **\$128.70**  
Base Plate Assembly..... W1285-2 ..... **\$162.24**

## Steel Formed Navigation Light Plates



A



B

- A) Light Plate for Model S Tail Light.....0400-113 ..... **\$37.07**  
• Can be welded or screwed to rudder to attach model S light
- B) Light Plate for Model E Navigation Light.....0400-112 ..... **\$39.04**  
• Can be welded or screwed to wingtip bows to attach model E light

## Strobe Light Bracket

- Can be used on the top of Piper rudders
- FAA field approval required



Strobe Light Bracket..... U15722-002 .... **\$164.81**

## Navigation Light Fairing

This fairing is required to convert model B type wing lights to the more streamlined model E navigational lights on Ercoupe 415-C, -D, and -G.



F14081..... **\$216.56**

## Whelen Mounting Adapters

These adapters are designed for the A470A, A450 and 70509. The H103 (shown on top) is designed to allow strobe light head assemblies to be installed in 3¾ inch diameter standard rotating beacon mounting. The H102 (shown on bottom) allows direct mounting of the strobe light head assembly to the skin of the frame or the top of a 2½ inch diameter Cessna vertical stabilizer fairing.



Whelen A Mounting Adapter (shown top) .....H103 ..... **\$106.86**  
Whelen B Mounting Adapter (shown bottom).....H102 ..... **\$28.86**

- Available for frame installations of models HR-CFA and SA-CF

Mounting Adapter .....A440 ..... **\$60.84**



## Orion500 Series Lighthead

- Mounts on tail
- Direct replacement for legacy A500A models
- Eliminates need for external power supplies
- Reduces current draw and provides thousands of hours of operation



**Specifications:** Weight: 0.29 lb • Current Draw: 0.2/0.1 amps Position, 0.72/0.36 amps avg. ACL • Position LED Color: Aviation White • Lens: Clear polycarbonate hardcoat, field replaceable

Tail PTA Light, White, 12 Volt .....	01-0771774V01 .....	<b>\$471.90</b>
Tail PTA Light, White, 28 Volt .....	01-0771774V02 .....	<b>\$471.90</b>

## Orion600 Series Lighthead

- Mounts on wingtip
- Incorporates the latest state-of-the-art LED technology in an all-inclusive package
- Eliminates the need for external flasher boxes
- Flush mountable for a wide variety of applications with minimal integration
- Easily retrofits Whelen legacy strobe products



Wingtip PTA, Green, 12 Volt .....	01-0771733-01 .....	<b>\$643.50</b>
Wingtip PTA, Red, 12 Volt .....	01-0771733-02 .....	<b>\$643.50</b>
Wingtip PTA, Green, 28 Volt .....	01-0771733-11 .....	<b>\$643.50</b>
Wingtip PTA, Red, 28 Volt .....	01-0771733-12 .....	<b>\$643.50</b>

## Orion650 Series Position/ACL

- Mounts on wingtip
- Incorporates the latest state-of-the-art LED technology in an all-inclusive package
- Eliminates the need for external flasher boxes
- Flush mountable for a wide variety of applications with minimal integration
- Easily retrofits Whelen legacy strobe products



Wingtip PTA, Green, 14 Volt .....	01-0790725-01 .....	<b>\$520.26</b>
Wingtip PTA, Red, 14 Volt .....	01-0790725-02 .....	<b>\$520.26</b>
Wingtip PTA, Green, 28 Volt .....	01-0790725-11 .....	<b>\$520.26</b>
Wingtip PTA, Red, 28 Volt .....	01-0790725-12 .....	<b>\$520.26</b>

## Orion650E Series Lighthead

- Mounts within fairing
- Incorporates the latest state-of-the-art LED technology in an all-inclusive package
- Eliminates the need for external flasher boxes
- Flush mountable for a wide variety of applications with minimal integration
- Easily retrofits Whelen legacy strobe products



Embedded PTA, Green, 12 Volt .....	01-0790701-01 .....	<b>\$546.00</b>
Embedded PTA, Red, 12 Volt .....	01-0790701-02 .....	<b>\$546.00</b>
Embedded PTA, Green, 28 Volt .....	01-0790701-11 .....	<b>\$546.00</b>
Embedded PTA, Red, 28 Volt .....	01-0790701-12 .....	<b>\$546.00</b>

## Replacement Bulbs • Lenses

### Chroma™ Series by Whelen

- LED Plug & Play Position Lights by Whelen
- 10,000 hour operating life
- Direct replacements for W129028, 120928, A7512-24, W628, 628 incandescent bulbs



Green LED, 14 Volt .....	01-0771900-G14 .....	<b>\$136.50</b>
Red LED, 14 Volt .....	01-0771900-R14 .....	<b>\$136.50</b>
Green LED, 28 Volt .....	01-0771900-G28 .....	<b>\$136.50</b>
Red LED, 28 Volt .....	01-0771900-R28 .....	<b>\$136.50</b>

### PAR36 LED Landing and Taxi Lights

- Drop-in replacements for outdated halogen and HID lamps
- Replaces 4509 and Q4509



#### Parmetheus™ Series

PAR36 LED Taxi Light, 14 Volt .....	01-0771424-15 .....	<b>\$260.00</b>
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#### Parmetheus Plus™ Series (40% brighter)

PAR36 LED Landing Light, 14 Volt .....	01-0771833-10 .....	<b>\$287.04</b>
PAR36 LED Taxi Light, 14 Volt .....	01-0771833-15 .....	<b>\$287.04</b>

### Sealed Beam Bulb Unit

- For all popular aircraft landing lights
- 13 volts

Sealed Beam Bulb .....	4509 .....	<b>\$21.84</b>
Halogen Unit .....	Q4509 .....	<b>\$27.12</b>



### Warning Lights

- Glass jewel type
- 12 volt bulb

Red .....	AH-133R .....	<b>\$21.19</b>
Green .....	AH-133G .....	<b>\$21.19</b>
Amber .....	AH-133A .....	<b>\$21.19</b>



### Grimes Lenses

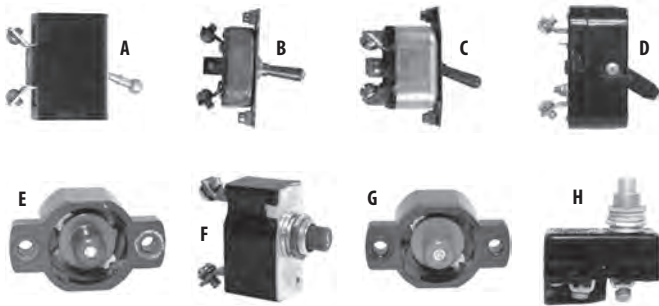
- Dome shaped lenses for Grimes Models A, B, C, E, and S lights



Model A and B Lens, Red .....	A1233A2 .....	<b>\$69.90</b>
Model A and B Lens, Green .....	A1233A3 .....	<b>\$69.90</b>
Model A and C Lens, Clear .....	A1233A1 .....	<b>\$69.78</b>
Model E Lens (A1280-2), Red .....	W1284-R .....	<b>\$85.80</b>
Model E Lens (A1280-3), Green .....	W1284-G .....	<b>\$85.80</b>
Model S Lens, Clear .....	A4513-1 .....	<b>\$39.00</b>



## Circuit Breakers • Switches



- A) Circuit Breaker, 5 Amp ..... AN3160-5 ..... **\$55.00**
- B) Spring Loaded "On-Off" Switch ..... AN3022-7B ..... **\$16.21**
- C) Double Pole, "On-Momentary On" ..... AN3023-10 ..... **\$130.00**
- D) C6363 Circuit Breaker, Klixon, 5 Amp ..... C6363-5 ..... **\$147.43**  
 15 Amp ..... C6363-15 ..... **\$147.66**
- E) Klixon PM Circuit Breaker, 5 Amp ..... PM-5 ..... **\$37.76**  
 10 Amp ..... PM-10 ..... **\$37.76**  
 20 Amp ..... PM-20 ..... **\$37.76**  
 35 Amp ..... PM-35 ..... **\$37.76**  
 40 Amp ..... PM-40 ..... **\$37.76**
- F) Klixon PSM Circuit Breaker, 5 Amp ..... PSM-5 ..... **\$61.13**  
 10 Amp ..... W23X1A1G-10 ..... **\$48.40**  
 15 Amp ..... PSM-15 ..... **\$46.56**  
 20 Amp ..... W23X1A1G-20 ..... **\$35.57**  
 25 Amp ..... PSM-25 ..... **\$46.56**
- G) Klixon CM Circuit Breaker, 15 Amp ..... CM-15 ..... **\$35.20**
- H) Microswitch\*, 10 Amp Rating at 125 Volts ..... RD7-1P2T ..... **\$36.75**

\* May be installed in either "normally open" or "normally closed" position. Requires 1/16 inch travel to actuate, with 7/32 inch additional override. Perfect for mechanisms, door lights, trunk or hood lights. Makes excellent push-button for starter solenoids.

### Bendix Ignition Switch

- For all light planes



- Switch With No "Start" Position ..... 10-357290-1 ..... **\$576.31**
- Switch With "Start" Position ..... 10-357200-1 ..... **\$661.42**
- Plate for Part Number 10-357200-1  
 ("Off, R, L, Both, Start") ..... 10-126676 ..... **\$5.10**
- Switch Shield ..... 0311777 ..... **\$312.09**

### Relay Type Flasher Unit

Relay operates two sets of contact points which may be wired in normally open or normally closed position. Flasher may be used for navigation or warning lights.



- Relay Type Flasher Unit ..... RELAY ..... **\$41.45**

## Solenoids

### Single Pole Solenoid

- Single pole
- Normally open
- Used on all 108 Stinsons as master solenoid

Single Pole Solenoid  
 (70-918) ..... 70-111226-5 ..... **\$35.80**



### Double Pole Solenoid

- Double pole
- Normally open
- Used on Swifts

Double Pole Solenoid ..... 70-902 ..... **\$31.77**



### Piper Starter Solenoid

**FAA-PMA  
 APPROVED**

- With 5/16" terminals

This FAA-PMA approved solenoid is a 6 volt unit. It is a direct replacement for the original Piper solenoid. The 6 volt unit has larger contacts than a 12 volt unit thus providing a longer service life. The existing wiring is adequate for a 12 volt electrical system using this solenoid.



Starter Solenoid ..... U487-149 ..... **\$112.70**

## Miscellaneous Electrical Supplies

### 14V Voltage Regulators

- Electrodelta™ Voltage Regulators by Lamar Technologies LLC
- Installer must verify aircraft model applicability



- Overvoltage Sensor, 14 Volt ..... 0575-14 ..... **\$309.09**
- Voltage Regulator, 14 Volt ..... VR200A ..... **\$302.00**
- Voltage Regulator, 14 Volt ..... VR600 ..... **\$260.84**
- Voltage Regulator, 14 Volt ..... VSF-7203A ..... **\$451.53**

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