

# PULSE LIGHT SYSTEMS - LANDING/TAXI LIGHTS

## XEVISION LANDING & TAXI LIGHTS



XeVision™ super bright Xenon metal halide arc discharge landing & taxi lights for experimental aircraft. Light so bright and white you'd swear it's daylight; 500,00 candle power (3200 lumens) for our 35 Watt and more than 750,000 candle power (5400 lumens) for our 50 Watt systems – up to more than 8 times brighter than a standard 100 watt incandescent sealed beam. High HID efficiency means less than half the current draw and about ½ of the radiated heat of standard or Halogen lamps.

XeVision™ offers reliable HID pulsing capability based on the proprietary XeStrike™ series ballasts and the patented XePulse and new XePulse II™ pulsing module. All XeVision HID lighting systems are tested up to 100,000 feet altitude. XeVision systems are warranted up to 35,000 feet for continuous fail-safe operation.

XeVision offers retrofit kits for direct replacement or complete lighting system kits for new aircraft installation, different lamp shapes/sizes available. Many installation locations are possible now with a variety of lamp shapes and sizes, extremely small form factor, and lower lamp housing temperatures. They are

especially suited for tight spaces in composite aircraft. XeVision reflectors are made of metal, not plastic. High Intensity Discharge (HID) lighting is the most significant breakthrough in aviation lighting since the development of modern sealed beam lamps.

XeVision offers highest quality at a very competitive price with a 5 year warranty and up to 3,000 hour typical lamp life. XeVision HID aviation lighting systems are DO-160E certified (35,50, and 75 watt models)

The XeStrike™ proprietary ballasts XV1D or XV4D are an integral part of all XeVision aircraft lighting systems with the following features: 12 or 24 VDC voltage input., Designed for pulsing or dimming of HID Xenon bulbs with the XePulse™ HID control module., Designed for 35 watt or 50 watt output, 75 watt for special applications only., Extremely low EMI/RFI in combination with third generation D1S bulbs with integrated igniter and double shielded silicone cables., Digital power control for pre-programmable start-up algorithm.

| XeVision conversion kit & components   | Key features & other information   |
|--|--|
|  <p><b>XeVision XV-36-SL</b> • Standard landing light conversion kit. With XV1D or XV4D ballast and D1S bulb.</p> | Beam angle 9° horizontal & vertical. PAR 36 size. Preferred Application - PAR 36 conversion, lamp diameter 4-5/16" |
| XV-36-SL 35 Watt   | P/N 11-01760   ---   |
| XV-36-SL 50 Watt   | P/N 11-05038   ---   |
|  <p><b>XeVision XV-36-ST</b> • Standard taxi light conversion kit. XV1D or XV4D ballast and D1S bulb.</p>        | Beam angle 55° horizontal & 10° vertical. Preferred Application - PAR 36 conversion, lamp diameter 4-5/16"         |
| XV-36-ST 35 Watt   | P/N 11-01761   ---   |
| XV-36-ST 50 Watt   | P/N 11-05037   ---   |
|  <p><b>XeVision XV-46-SL</b> • Landing light conversion kit. XV1D or XV4D ballast and D1S bulb.</p>             | Beam angle 10° horizontal & vertical. Preferred Application - PAR 46 conversion, lamp diameter 5-11/16"            |
| XV-46-SL 35 Watt   | P/N 11-01762   ---   |
| XV-46-SL 50 Watt   | P/N 11-05204   ---   |

| XeVision conversion kit & components   | Key features & other information  |
|--|---|
|  <p><b>XV-46-ST</b> - Taxi light conversion kit. XeVision XV-46-ST taxi light conversion kit XV1D or XV4D ballast and D1S bulb.</p>       | Beam angle 50° horizontal & 8° vertical. Preferred Application - PAR 46 conversion, lamp diameter 5-11/16"  |
| XV-46-ST 35 Watt   | P/N 11-01763   ---  |
| XV-46-ST 50 Watt   | P/N 11-05208   ---  |
|  <p><b>XV-22</b> - Landing or taxi light for external use like gear struts. XV1D or XV4D ballast and D1S bulb.</p>                       | 15° horizontal & 10° vertical. Landing/taxi light conversion designations. Preferred Application - Lamp fixture, rectangular, only 2.25" high 4.7" wide, and 4.2" deep. |
| XV-22 35 Watt  | P/N 11-01765   ---  |
| XV-22 50 Watt  | P/N 11-05209   ---  |
|  <p><b>XV-23</b> - Landing or taxi light in wing area or externally as on a gear structure. With XV1D or XV4D ballast and D1S bulb.</p> | 20° horizontal & 8° vertical. Preferred Application - Lamp fixture, rectangular, only 2.25" high 4.7" wide, and 4.2" deep.  |
| XV-23 35 Watt  | P/N 11-01764   ---  |
| XV-23 50 Watt  | P/N 11-05210   ---  |

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[WWW.AIRCRAFTSPRUCE.CA](http://WWW.AIRCRAFTSPRUCE.CA)

### NAVIGATION / POSITION LED LIGHT BULBS



An affordable, long life, super-bright LED replacement for high-current demand incandescent bulbs for Whelen/Grimes position lights and other applications.

This glass dome LED is an exact replacement for BAY15s-base incandescent bulbs (P/N: 13-15810). Super bright 3W design. Very low power consumption. Green LEDs are designed to work behind an existing Green position light lens.

**Features:** • Replaces common Grimes / Whelen incandescent reflector bulbs (12V or 24V) • Sealed glass dome for superior dust/moisture resistance • Super bright 3W design – brighter than incandescent it replaces • Low current consumption – about 12% of a similar incandescent • Exact fit replacement for common Grimes / Whelen navigation lights • Experimental Aircraft

Only (for Certified aircraft - these bulbs meet FAA illumination guidelines but have no STC/PMA - ask your IA/A&P to consider these as a "minor alteration")  
Clear White.....P/N 13-22035

### LED REPLACEMENT BULB FOR BEACONS



An affordable, long life, super-bright LED replacement for high-current demand incandescent bulbs for Whelen/Grimes Rotating Beacons and position lights.

This glass dome LED is an exact replacement for BAY15s-base incandescent bulbs. Super bright 3W design. Mirror-gloss reflector concentrates and directs lighting.

Very low power consumption. Cool white LEDs are super-bright (300 lumens). Mirror-reflector mimics OE bulb function and ensures a bright rotating-light effect. Exact fit replacement in most older rotating beacons

**Note:** Not suitable for flash-tube type strobes.

**Features:**

- Super bright cool white output
  - Replaces common Grimes / Whelen incandescent reflector bulbs (12V or 24V)
- Cool White.....P/N 13-22036  
Red.....P/N 13-22437  
Green.....P/N 13-22438