

# WAT<sup>®</sup>

WHELEN AEROSPACE TECHNOLOGIES

TOP PRODUCTS | PART 23



LED LIGHTING • HID LIGHTING • MODS

# PARMETHEUS™ G3

5 YEAR WARRANTY

PAR 36 PAR 46 LED TAXI & LANDING

2.5 TIMES BRIGHTER THAN THE PARMETHEUS™ PLUS

MODEL	PART #	DESCRIPTION	CANDLE POWER	AMPS/VOLTS
P46G3L	01-0790906-00	PARMETHEUS™ G3 PAR 46 LANDING • 14V-28V	228,044	6.0 Amps @ 14 VDC 2.7 Amps @ 28 VDC
P36G3L	01-0772102-10	PARMETHEUS™ G3 PAR 36 LANDING • 14V-28V	136,273	3.8 Amps @ 14 VDC 1.9 Amps @ 28 VDC
P36G3T	01-0772102-15	PARMETHEUS™ G3 PAR 36 TAXI • 14V-28V	35,000	3.8 Amps @ 14 VDC 1.9 Amps @ 28 VDC

- Industry-Leading Performance
- Minimal reduction in output over time due to thermal overload
- Variable voltage 14-28 VDC
- RTCA DO-160 Environmental Tested
- Now with a sealed lens
- STC&PMA Approved



PARMETHEUS G3 LED LANDING



PARMETHEUS G3 LED TAXI



PARMETHEUS G3 LED LANDING



BULB CHART

GE BULB	G3
4416	P36G3L
4505	P36G3L
4509	P36G3L
4587	P36G3T
4591	P36G3L
4593	P36G3L
4594	P36G3L
4595	P36G3L
4596	P36G3L
4623	P36G3T
4626	P36G3L
4627	P36G3L
Q4631	P36G3L
Q4632	P36G3L
4413	P46G3L
4313	P36G3L
4421	P46G3L
4435	P46G3L
4522	P46G3L
4537	P46G3L
4551	P46G3L
4553	P46G3L
4554	P46G3L
4580	P46G3L
4581	P46G3L
Q4554	P46G3L
Q4566	P46G3L
4570	P46G3L
4571	P46G3L

PART 23 TOP PRODUCTS  
2022 REV A JULY 2022

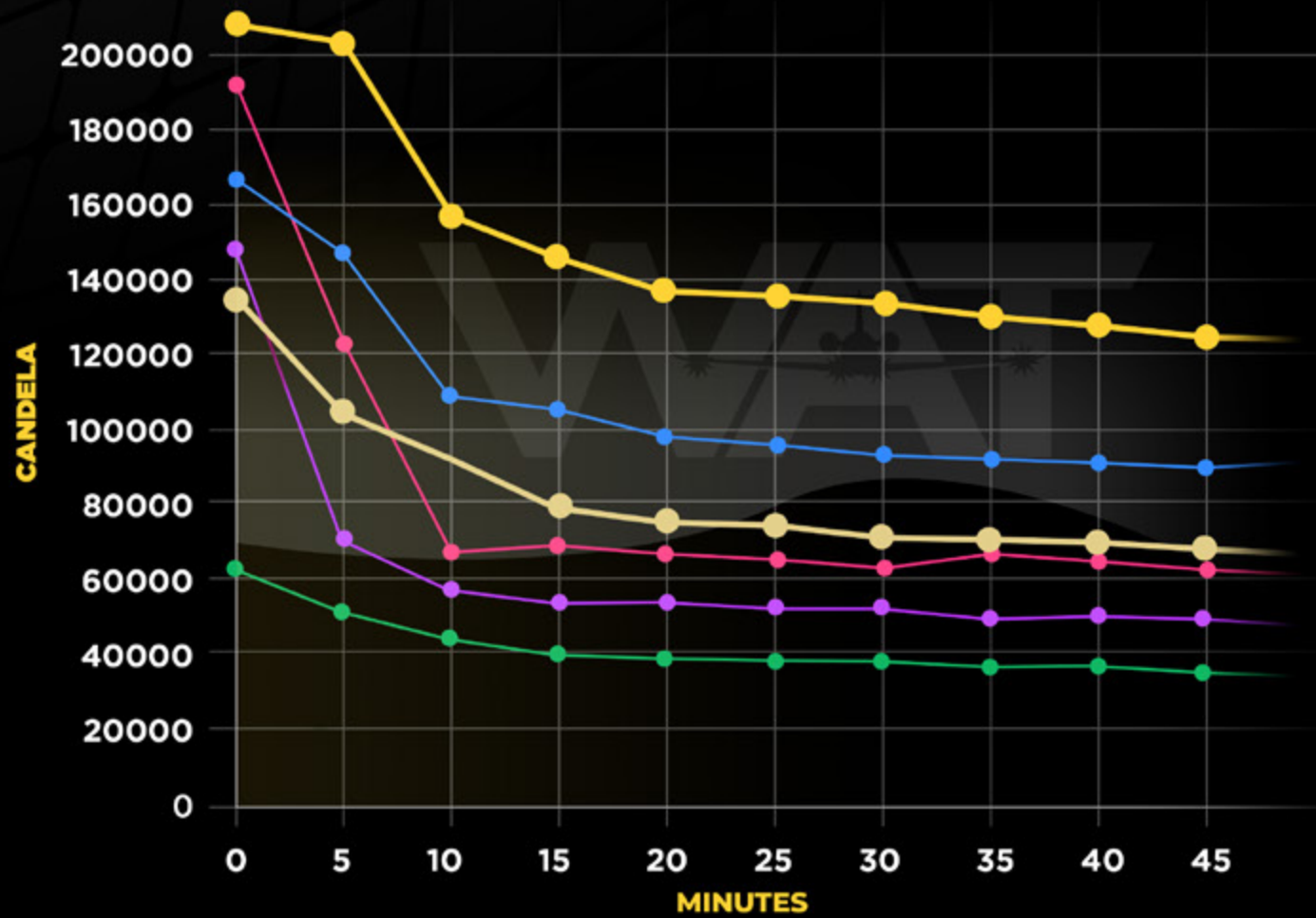


# — PARMETHEUS™ G3

PAR  
36

PAR  
46

Whelen Aerospace Technologies is proud to announce the newest member of the Parmetheus™ product family, the Parmetheus™ G3. Keeping the tradition of industry leading performance and value, the new G3 Series is 2.5 times brighter than the Parmetheus™ Plus all while maintaining the same form, fit and functionality of a drop-in LED replacement for legacy landing lights. Available in PAR-36 size, the G3 is now available in variable voltage 14-28 VDC.



CANDELA  
OUTPUT OVER TIME

WAT  
Parmetheus™ G3  
Par 46

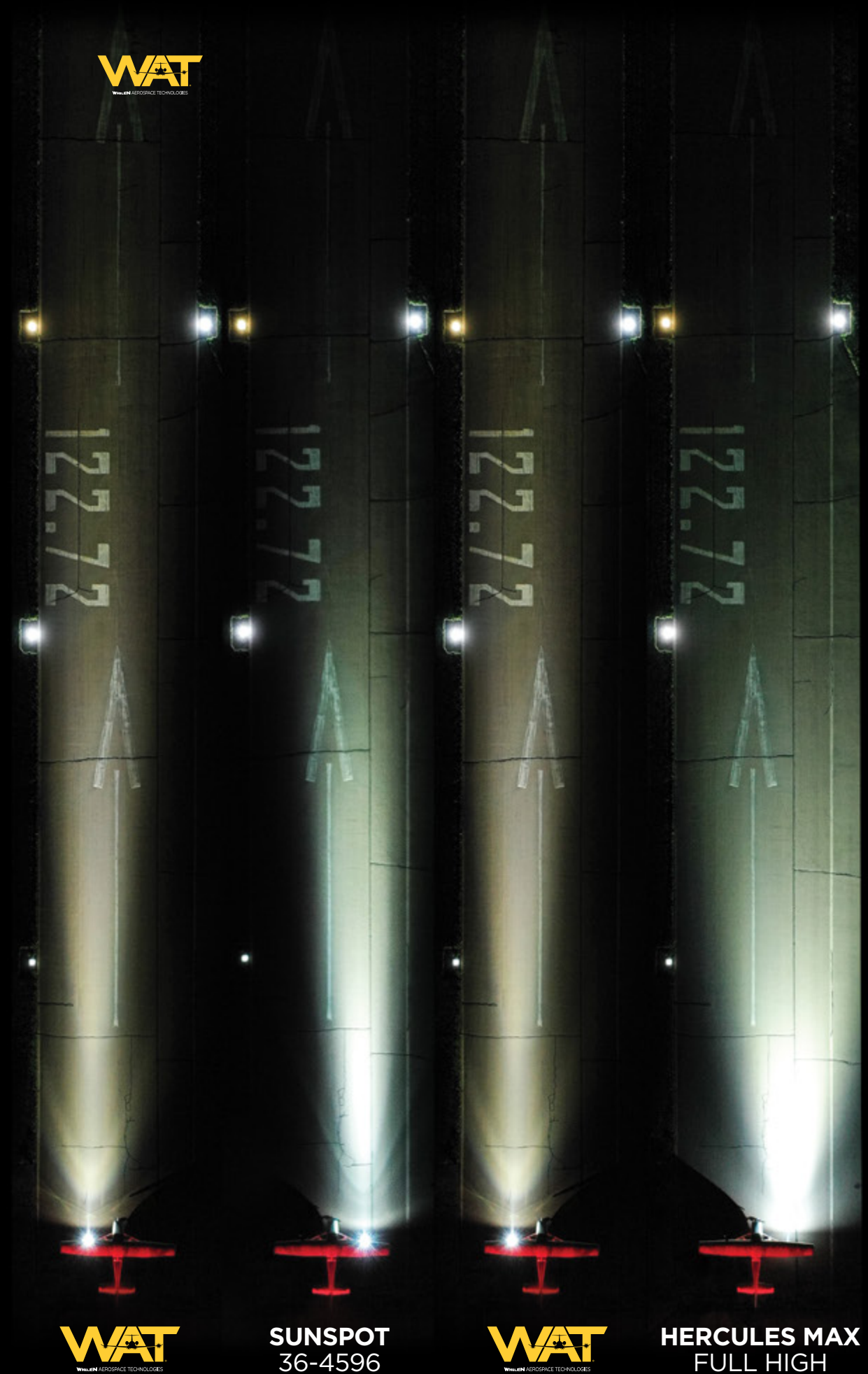
SUNSPOT  
Par 46  
2130-LX

SUNSPOT  
Par 46  
2230-4580

WAT  
Parmetheus™ G3  
Par 36

SUNSPOT  
36 LX/HX

SUNSPOT  
36-4000



WAT  
Whelen Aerospace Technologies

SUNSPOT  
36-4596

WAT  
Whelen Aerospace Technologies

HERCULES MAX  
FULL HIGH



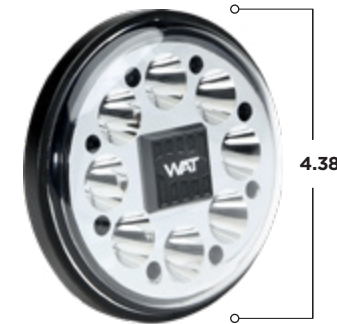
# PARMETHEUS™ PRO

PAR 36 PAR 46 **LED TAXI & LANDING**

**5** YEAR WARRANTY

- FAA STCs included for piston and turboprop aircraft
- Jet STCs are available at an additional cost
- “Drop-In” design offers easy installation and maintenance
- Power wiring attaches to brass screw terminals
- STC&PMA Approved
- LED Retrofit for PAR-36 or PAR-46 halogen lamps
- Simple drop-in installation
- Patented technology
- 60-day product buyback
- **500+ FAA STCs available**

MODEL	PART #	DESCRIPTION	CANDLE POWER	AMPS/VOLTS
P36PRO	LSM-SCD-042-1	PAR-36 PRO LANDING	106,169	0.9 AMPS @ 28V 1.7 AMPS @14V
P46PRO	LSM-SCD-039-1	PAR-46 PRO LANDING	175,557	1.4 AMPS @ 28V 2.9 AMPS @ 14V



PARMETHEUS PRO  
LED LANDING



PARMETHEUS PRO  
LED LANDING



### BULB CHART

GE BULB	PRO
4416	P36PRO
4505	P36PRO
4509	P36PRO
4587	P36PRO
4591	P36PRO
4593	P36PRO
4594	P36PRO
4595	P36PRO
4596	P36PRO
4623	P36PRO
4626	P36PRO
4627	P36PRO
Q4631	P36PRO
Q4632	P36PRO
4413	P46PRO
4313	P36PRO
4421	P46PRO
4435	P46PRO
4522	P46PRO
4537	P46PRO
4551	P46PRO
4553	P46PRO
4554	P46PRO
Q4554	P46PRO
Q4566	P46PRO
4570	P46PRO
4571	P46PRO





# PARMETHEUS™ PLUS

PAR 36 PAR 46 **LED TAXI & LANDING**

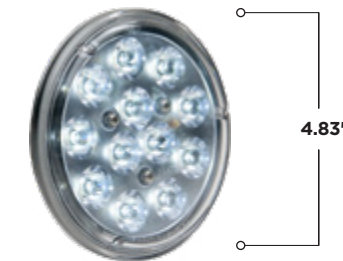
## 5 YEAR WARRANTY

- Optical spot and flood combinations via **WAT's TIR™** (Total Internal Reflector) technology
- "Drop-In" design offers easy installation and maintenance
- Power wiring attaches to brass screw terminals
- Weight is virtually identical to previous lamps
- Assembly design includes clocking notch

**Replacement Outer Lens:** (PAR 36) Part # 68-3971486A30 • (PAR 46) Part # 68-3971577A30

**Approvals:** FAA PMA/STC Approved

MODEL	PART #	DESCRIPTION	CANDLE POWER	AMPS/VOLTS
P46P1L	01-0790750-10	PAR 46 LANDING • 14V	105,000	2.6 Amps @ 14 VDC
P46P2L	01-0790750-20	PAR 46 LANDING • 28V	105,000	1.3 Amps @ 28 VDC
P36P1L	01-0771833-10	PAR 36 LANDING • 14V	60,000	1.36 Amps @ 14 VDC
P36P1T	01-0771833-15	PAR 36 TAXI • 14V	15,000	1.36 Amps @ 14 VDC
P36P2L	01-0771833-20	PAR 36 LANDING • 28V	60,000	0.68 Amps @ 28 VDC
P36P2T	01-0771833-25	PAR 36 TAXI • 28V	15,000	0.68 Amps @ 28 VDC



**PARMETHEUS PLUS  
LED LANDING**



**PARMETHEUS PLUS  
LED TAXI**



**PARMETHEUS PLUS  
LED LANDING**



### BULB CHART

GE BULB	PLUS
4416	P36P1L
4505	P36P2L
4509	P36P1L
4587	P36P2T
4591	P36P2L
4593	P36P2T
4594	P36P2L
4595	P36P1L
4596	P36P2L
4623	P36P2T
4626	P36P2T
4627	P36P2T
Q4631	P36P1L
Q4632	P36P1L
4413	P46P1L
4313	P361T
4421	P46P1L
4435	P46P1L
4522	P46P1L
4537	P46P1L
4551	P46P2L
4553	P46P2L
4554	P46P2L
Q4554	P46P2L
Q4566	P46P2L
4570	P46P2L
4571	P46P2L

## 71888/71898/71958 RECOGNITION LIGHT ASSEMBLIES



**0.25 lbs.** (113.5gm)



**L: 3.16"** (80mm) **W: 1.47"** (37mm)  
**H: 1.65"** (42mm)



**14VDC:** 0.60 Amps  
**28VDC:** 0.30 Amps

**Candela: 30,000**

LED Form • Fit • Function replacement to A775 & A775EXP series.

MODEL	PART #	DESCRIPTION
7195800	01-0771958-00	LED Recog, • <b>14V</b> Piper Molex connector OEM Part # 475-346
7195801	01-0771958-01	LED Recog, • <b>28V</b> Piper Molex connector OEM Part # 475-347
7188800	01-0771888-00	LED Recog, • <b>14V</b> Standard Catalog Item
7188801	01-0771888-01	LED Recog, • <b>28V</b> Standard Catalog Item
7189800	01-0771898-00	LED Recog, • <b>28V</b> Beech
71898PO	01-0771898-PO	LED Recog, • <b>28V</b> Beech Painted
7189801	01-0771898-01	LED Recog, • <b>28V</b> Beech • Approvals: PMA Textron Part # 130-381001-003

## 71125 SERIES



**0.3 lbs.** (136gm)



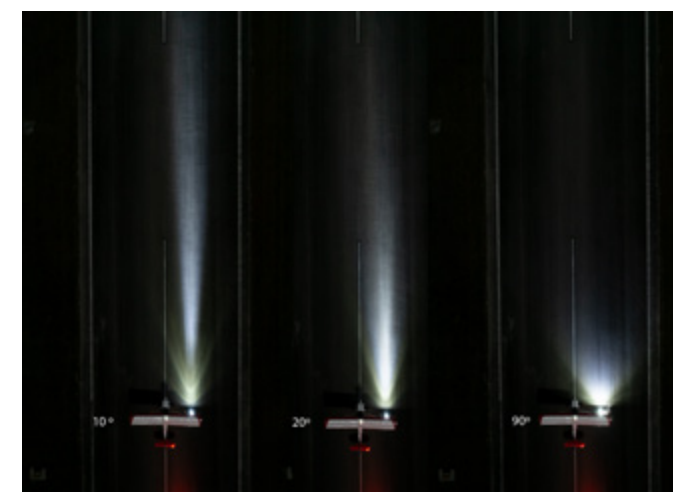
**L: 1.25"** (32mm) **W: 3.25"** (83mm)  
**H: 1.95"** (50mm)



**14V:** 0.9 Amps  
**28V:** 0.45 Amps

Approvals: None

MODEL	PART #	DESCRIPTION
7112510	01-0771125-10	LED Light: 2"x3" • <b>14V</b> • <b>10°</b>
7112511	01-0771125-11	LED Light: 2"x3" • <b>14V</b> • <b>20°</b>
7112512	01-0771125-12	LED Light: 2"x3" • <b>14V</b> • <b>90°</b>
7112520	01-0771125-20	LED Light: 2"x3" • <b>28V</b> • <b>10°</b>
7112521	01-0771125-21	LED Light: 2"x3" • <b>28V</b> • <b>20°</b>
7112522	01-0771125-22	LED Light: 2"x3" • <b>28V</b> • <b>90°</b>
7112523	01-0771125-23	LED Light: 2"x3" • <b>28V</b> • <b>30°</b>
7112550	01-0771125-50	LED Light: 2"x3" • <b>28V</b> • <b>20°</b> (Hoist)
7112551	01-0771125-51	LED Light: 2"x3" • <b>28V</b> • <b>90°</b> (Hoist)
RECLENS	01-0418045-00	<b>Kit Lens:</b> 20/30/90 Deg Optics for <b>7112510 &amp; 20</b>





## SELF CONTAINED LED POSITION & ANTI-COLLISION LIGHTHEADS

All LED self-contained wingtip and tail mounted Position (POS) & Anti-Collision (ACL) system. Eliminates the need for external power supplies, reduces current draw and provides thousands of hours of operation. Where applicable, all Orion products are provided with a field replaceable, hard coated polycarbonate lens.

### ORION™ 650



**0.30 lbs.** (136gm)



**L: 3.95"** (100mm) **W: 1.68"** (43mm)  
**H: 1.79"** (45mm)



**14VDC:** Position Light 0.20 Amps  
Anti-Collision Light 0.56 Amps Avg.  
**28VDC:** Position Lights 0.17 Amps  
Anti-Collision Light 0.24 Amps Avg.

**Replacement Lens:** Right: (Green) Assembly: Part # 01-0251094-01  
Left: (Red) Assembly: Part # 01-0251094-00

**Approvals:** STC/TSO/ETSO-C96a Class III • TSO-C30c Types I - II

MODEL	PART #	DESCRIPTION
OR6501G	01-0790725-01	<b>Green:</b> POS Light/ACL Wingtip Assembly • <b>14 VDC</b>
OR6501R	01-0790725-02	<b>Red:</b> POS Light/ACL Wingtip Assembly • <b>14 VDC</b>
OR6502G	01-0790725-11	<b>Green:</b> POS Light/ACL Wingtip Assembly • <b>28 VDC</b>
OR6502R	01-0790725-12	<b>Red:</b> POS Light/ACL Wingtip Assembly • <b>28 VDC</b>

### ORION™ 650-

(400 EFFECTIVE CANDLEPOWER ANTI-COLLISION)



**0.30 lbs.** (136gm)



**L: 3.95"** (100mm) **W: 1.68"** (43mm)  
**H: 1.79"** (45mm)



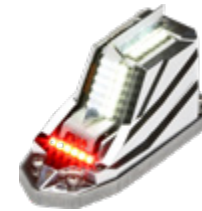
**28VDC:** Position Light 0.17 Amps/  
Anti-Collision Light 0.24 Amps Avg.

**Replacement Lens:** Right: Assembly: Part # 01-0251094-01 • Left: (Red) Assembly: Part # 01-0251094-00

**Approvals:** STC/TSO/ETSO-C96a Class II • TSO/ETSO-C30c Type I - II

MODEL	PART #	DESCRIPTION
OR6501G	01-0790725-01	<b>Green:</b> POS Light/ACL Wingtip Assembly • <b>28 VDC</b>
OR6501R	01-0790725-02	<b>Red:</b> POS Light/ACL Wingtip Assembly • <b>28 VDC</b>

### ORION™ 650E



**0.26 lbs.** (118gm)



**L: 3.85"** (98mm) **W: 1.67"** (42mm)  
**H: 2.20"** (56mm)



**14VDC:** Position Light 0.30 Amps  
Anti-Collision Light 0.70 Amps Avg.  
**28VDC:** Position Lights 0.15 Amps  
Anti-Collision Light 0.35 Amps Avg.

**Note:** This unit is designed to be installed under wingtip lens

**Approvals:** STC/TSO/ETSO-C96a Class II • TSO/ETSO-C30c Types I - II

MODEL	PART #	DESCRIPTION
OR6501GE	01-0790701-01	<b>Green:</b> POS Light/ACL Wingtip Assembly • <b>14 VDC</b>
OR6501RE	01-0790701-02	<b>Red:</b> POS Light/ACL Wingtip Assembly • <b>14 VDC</b>
OR6502GE	01-0790701-11	<b>Green:</b> POS Light/ACL Wingtip Assembly • <b>28 VDC</b>
OR6502RE	01-0790701-12	<b>Red:</b> POS Light/ACL Wingtip Assembly • <b>28 VDC</b>

### ORION™ 660



**0.30 lbs.** (136gm)



**L: 3.95"** (100mm) **W: 1.68"** (43mm)  
**H: 1.79"** (45mm)



**14VDC:** Position Light 0.20 Amps  
Anti-Collision Light 0.56 Amps Avg.  
**28VDC:** Position Lights 0.17 Amps  
Anti-Collision Light 0.24 Amps Avg.

**Replacement Lens:** Right: (Green) Assembly: Part # 01-0251094-01

Left: (Red) Assembly: Part # 01-0251094-00

**Approvals:** TSO-C96a • TSO-C30c Types I - III

MODEL	PART #	DESCRIPTION
OR6501G	01-0790725-01	<b>Green:</b> POS Light/ACL Wingtip Assembly • <b>14 VDC</b>
OR6501R	01-0790725-02	<b>Red:</b> POS Light/ACL Wingtip Assembly • <b>14 VDC</b>
OR6502G	01-0790725-11	<b>Green:</b> POS Light/ACL Wingtip Assembly • <b>28 VDC</b>
OR6502R	01-0790725-12	<b>Red:</b> POS Light/ACL Wingtip Assembly • <b>28 VDC</b>

## ORION™ 600



**0.5 lbs.** (227gm)



**L: x 5.65"** (144mm) **W: 1.78"** (45mm)  
**H: 2.04"** (52mm)



**14VDC:** Position Lights 0.48 Amps  
Anti-Collision Light 1.0 Amps Avg.  
**28VDC:** Position Lights 0.17 Amps  
Anti-Collision Light 0.5 Amps Avg.

**Replacement Lens:** Part # 02-0371773-300 (Same lens used for both left & right.)

**Approvals:** TSO-C96a/TSO-C30c Types I - III • E-TSO

MODEL	PART #	DESCRIPTION
OR6001G	01-0771733-01	<b>Green:</b> Forward POS & White Tail POS Light ACL Wingtip Assembly • <b>14 VDC</b>
OR6001R	01-0771733-02	<b>Red:</b> Forward POS & White Tail POS Light ACL Wingtip Assembly • <b>14 VDC</b>
OR6002G	01-0771733-11	<b>Green:</b> Forward POS & White Tail POS Light ACL Wingtip Assembly • <b>28 VDC</b>
OR6002R	01-0771733-12	<b>Red:</b> Forward POS & White Tail POS Light ACL Wingtip Assembly • <b>28 VDC</b>

## ORION™ 550



**0.20 lbs.** (91gm)



**L: 1.87"** (47mm) **W: 1.75"** (44mm)  
**H: 2.17"** (55mm)



**14VDC:** Position Lights 0.20 Amps  
Anti-Collision Light 0.72 Amps Avg.

**Replacement Lens:** Part # 68-3951061A31

**Approvals:** TSO-C96a Class II • TSO-C30c Type III

MODEL	PART #	DESCRIPTION
OR5501V	01-0772070V01	<b>White:</b> Tail POS/ACL Assembly • <b>14 VDC</b>

## ORION™ 500



**0.29 lbs.** (132gm)



**L 3.72"** (94mm) **W 1.67"** (42mm)  
**H 2.20"** (56mm)

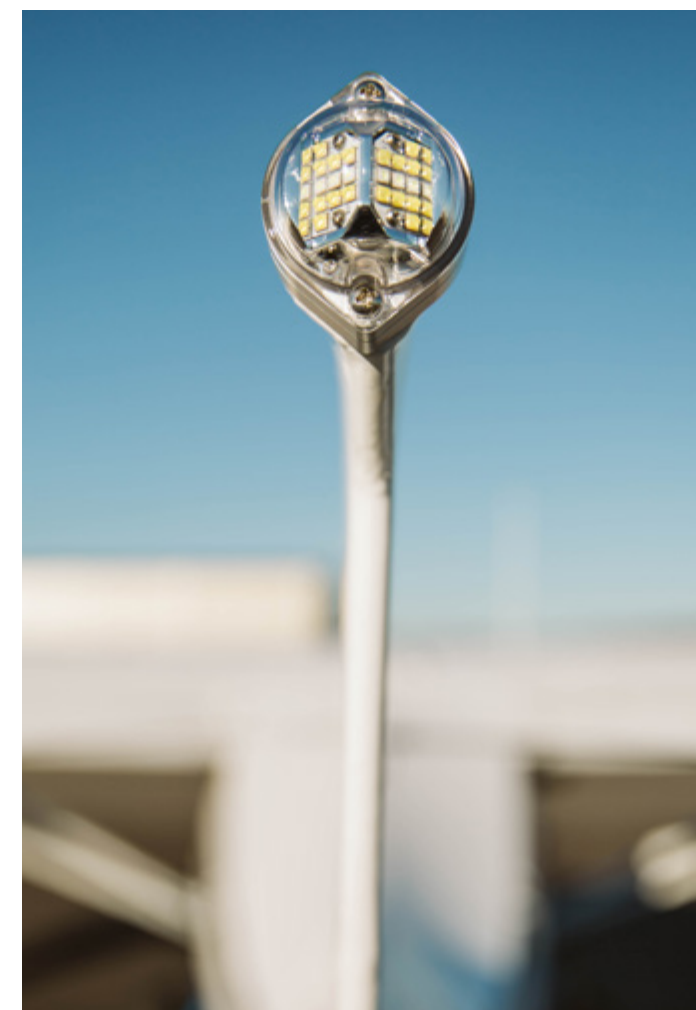


**14VDC:** Position Light 0.30 Amps  
Anti-Collision Light 0.70 Amps Avg.  
**28VDC:** Position Lights 0.15 Amps  
Anti-Collision Light 0.35 Amps Avg.

**Replacement Lens:** Part # 68-3951061A31

**Approvals:** STC/TSO/ETSO-C96a Class II • TSO/ETSO-C30c Type III

MODEL	PART #	DESCRIPTION
OR5001V	01-0771774V01	<b>White:</b> Tail POS/ACL Assembly • <b>14 VDC</b>
OR5002V	01-0771774V02	<b>White:</b> Tail POS/ACL Assembly • <b>28 VDC</b>





The CHROMA Series LED Plug N Play Position Lamps meet all FAA requirements for Chromaticity, Intensity, and Coverage FAR Part 23.1383 the 23.1397 FAR Part 27.1383 - 27.1397 when installing using existing Red or Green lenses. This allows for maintaining the original "approved" configuration of the light assembly in which they are installed. Robust machined base provides vibration resistance tested in accordance with RTCA/DO160 CAT U2, Curves F, F1 for rotor craft. These bulbs are FAA/TSO and STC approved for fixed wing and rotor craft applications.

## CHROMA™ LED PLUG N PLAY POSITION LAMPS



**0.0625 lbs.** (28.35gm)



**W: 1.23"** (31mm) **H: 2.05"** (52mm)



**14VDC:** 0.30 Amps  
**28VDC:** 0.15 Amps

Approvals: STC/ TSO

MODEL	PART #	DESCRIPTION
CHROMA2G	01-0771900G14	<b>Green:</b> Chroma Position LED Lamp • <b>14 VDC</b>
CHROMA2R	01-0771900R14	<b>Red:</b> Chroma Position LED Lamp • <b>14 VDC</b>
CHROMA1G	01-0771900G28	<b>Green:</b> Chroma Position LED Lamp • <b>28 VDC</b>
CHROMA1R	01-0771900R28	<b>Red:</b> Chroma Position LED Lamp • <b>28 VDC</b>



90613 Series is a self-contained, all LED forward and aft position light with a white anti-collision light. These assemblies interconnect with standard Amp Mate-N-Lock connectors. 90613 assemblies have the same hole pattern of the original Cessna Caravan light. Units are FAA/STC Approved.

## 90613 SERIES



**0.88 lbs.** (399gm)



**L: 7.04"** (179mm) **W: 2.63"** (67mm)  
**H: 2.02"** (51.5mm)



**28VDC:** Position Lights 0.23 Amps  
Anti-Collision Light 0.73 Amps Avg.

Replacement Lens: Part # 68-3990574A30

Approvals: STC/TSO/ETSO-C96a Class II • TSO/ETSO-C30c Types I - III

MODEL	PART #	DESCRIPTION
9061391	01-0790613-91	<b>Green:</b> Forward POS & White Tail POS Light ACL Wingtip Assembly • <b>28 VDC</b>
9061392	01-0790613-92	<b>Red:</b> Forward POS & White Tail POS Light ACL Wingtip Assembly • <b>28 VDC</b>

## 71554 SERIES

### 71554 SERIES



**0.14 lbs.** (64gm)



**L: 2.07"** (52.5mm) **W: 1.59"** (40mm)  
**H: 1.40"** (36mm)



**14VDC:** 0.26 Amps  
**28VDC:** 0.13 Amps

Replacement Lens: Part # 68-3970991-30 • Approvals: STC / TSO/ETSO-C30c Type III

**Mounting Note:** Vertical mount = mtg holes at 12 & 6 o'clock • Horizontal mount = mtg holes at 9 & 3 o'clock

MODEL	PART #	DESCRIPTION
7155401	01-0771554-01	<b>White:</b> Tail Position Light Horizontal Mount • <b>28 VDC</b>
7155402	01-0771554-02	<b>White:</b> Tail Position Light Vertical Mount • <b>28 VDC</b>
7155411	01-0771554-11	<b>White:</b> Tail Position Light Horizontal Mount • <b>14 VDC</b>
7155412	01-0771554-12	<b>White:</b> Tail Position Light Vertical Mount • <b>14 VDC</b>

The ORION™ 360's are the 4th Generation LED beacons for fixed wing aircraft. These new assemblies are designed to replace legacy 2.6" and 3.75" round beacons. The ORION 360 beacons are lower profile than legacy product by 60%, are TSO C96a Class III approved, and STC'd. The beacons come in 14 and 28 VDC and in multiple color configurations, (Red/Red - White Split/White)

## ORION™ 360



**Narrow Base: 0.30 lbs** (136gm)  
**Wide Base: 0.37 lbs** (167gm)

**14VDC:** 0.53 amps average  
 2.8 amps peak  
**28VDC:** 0.26 amps average  
 1.4 amps peak

**Approvals:** STC/TSO-C96a Class III

MODEL	PART #	DESCRIPTION
OR36R1N	01-0772010-50	Aviation Red • Upper • <b>14 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
OR36R1W	01-0772010-52	Aviation Red • Upper • <b>14 VDC</b> Base Diameter: <b>3.67"</b> (93mm)
OR36S1N	01-0772010-70	Aviation Red/White • Upper • <b>14 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
OR36S1W	01-0772010-72	Aviation Red/White • Upper • <b>14 VDC</b> Base Diameter: <b>3.67"</b> (93mm)
OR36R2N	01-0772010-10	Aviation Red • Upper • <b>28 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
OR36R2W	01-0772010-12	Aviation Red • Upper • <b>28 VDC</b> Base Diameter: <b>3.67"</b> (93mm)
OR36R2WL	01-0772010-13	Aviation Red • Upper • <b>28 VDC</b> Base Diameter: <b>3.67"</b> (93mm)
OR36S2N	01-0772010-30	Aviation Red/White • Upper • <b>28 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
OR36S2W	01-0772010-32	Aviation Red/White • Upper • <b>28 VDC</b> Base Diameter: <b>3.67"</b> (93mm)
OR36S2WL	01-0772010-33	Aviation Red/White • Upper • <b>28 VDC</b> Base Diameter: <b>3.67"</b> (93mm)
OR36W2N	01-0772010-20	Aviation Red • Upper • <b>28 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
OR36W2W	01-0772010-22	Aviation Red • Upper • <b>28 VDC</b> Base Diameter: <b>3.67"</b> (93mm)
OR36W2WL	01-0772010-23	Aviation Red • Upper • <b>28 VDC</b> Base Diameter: <b>3.67"</b> (93mm)

71080 Series Beacons are TSO approved self-contained RED LED Anti-Collision lights (Ref. Class I - 150 effective candlepower). They are designed to replace a range of legacy products from our A470A remote strobe heads to the HRCFA self-contained strobe assemblies.

## 71080 SERIES



**0.88 lbs.** (399gm)

**L: 7.04"** (179mm) **W: 2.63"** (67mm)  
**H: 2.02"** (51.5mm)

**28VDC:** Position Lights 0.23 Amps  
 Anti-Collision Light 0.73 Amps Avg.

**Model A440 Mounting Adapter**  
 used for fuselage mounting

**Replacement Lens:** Part # 68-3990574A30 (Field replaceable)

**Approvals:** STC/TSO-C96a Class I

MODEL	PART #	DESCRIPTION
7108051	01-0771080-51	Aviation Red • Upper • <b>14 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
7108055	01-0771080-55	Aviation Red • Upper • <b>14 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
7108001	01-0771080-01	Aviation Red/White • Upper • <b>14 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
7108004	01-0771080-04	Aviation Red/White • Upper • <b>14 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
7108014	01-0771080-14	Aviation Red • Upper • <b>28 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
7108005	01-0771080-05	Aviation Red/White • Upper • <b>28 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
7108015	01-0771080-15	Aviation Red/White • Upper • <b>28 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
7108007	01-0771080-07	Aviation Red/White • Upper • <b>28 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
7108017	01-0771080-17	Aviation Red • Upper • <b>28 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
7108008	01-0771080-08	Aviation Red • Upper • <b>28 VDC</b> Base Diameter: <b>2.6"</b> (66mm)
7108018	01-0771080-18	Aviation Red • Upper • <b>28 VDC</b> Base Diameter: <b>2.6"</b> (66mm)



**NOTE: NOT APPROVED FOR CERTIFIED AIRCRAFT • NOT RECOMMENDED FOR NIGHT FLIGHT.**

LED wingtip and tail lighting for experimental and light sport aircraft

## MICROBURST™ I KIT



**Kit Model#:** MB1WT - Single taillight Assembly  
Part # 01-0771490-00

## MICROBURST™ III KIT

WINGTIP RECOGNITION LIGHT



**Kit Model#:** MB2KWT - One MB2R (Red) & One MB2G (Green) Plus One MB1WT taillight.  
Part # 01-0471519-010

## MICROBURST™ II KIT



**Kit Model#:** MB2K - One MB2R (Red) & One MB2G (Green) • Part # 01-0471519-00

## MICROBURST™ III KIT



**Kit Model#:** MB3K - One MB3R (Red) & One MB3G (Green) • Part # 01-0471507-00

MODEL	PART #	DESCRIPTION
MB3K	01-0471507-00	<b>Red &amp; Green:</b> Pair Forward Position & White Tail Position Light/Anti-Collision Light Wingtip Assembly <b>14 VDC</b> LED-Strobe & Rear Facing White Nav
MB2K	01-0471519-00	<b>Red &amp; Green:</b> Pair Forward Position Light/Anti-Collision Light Wingtip Assembly <b>14 VDC</b>
MB2KWT	01-0471519-01	<b>Red &amp; Green:</b> Pair Forward Position Light / Anti-Collision Light Wingtip Assembly Plus MB1 Tail Position/Anti-Collision Light Assembly <b>14 VDC</b>
MB1WT	01-0771490-00	White Tail Position/Anti-Collision Light Assembly <b>14 VDC</b>

Whelen Aerospace Technologies is proud to introduce the BLAZE, an all LED wingtip position, anti-collision and tail light assembly for the LSA and experimental market. Low drag and light weight without compromising safety and visibility.

## BLAZE SERIES



- 0.19 lbs.** (132gm)
- L: 4.54"** (115.5mm) **W: 1.33"** (34mm)  
**H: 1.23"** (32mm)
- 14VDC:** Position Light 0.40 Amps  
Anti-Collision Light 2.15 Amps Peak

**NOTE: NOT APPROVED FOR CERTIFIED AIRCRAFT • NOT RECOMMENDED FOR NIGHT FLIGHT.**

Replacement Lens: Part # PC099056

MODEL	PART #	DESCRIPTION
BLAZE1RG	01-95001-03	<b>Red &amp; Green:</b> Pair Forward Position & White Tail Position Light/Anti-Collision Light Wingtip Assembly <b>14 VDC</b>





- Produces 3 - 15 times more light, engineered specially for each model aircraft
- Reduces electrical load and heat output
- 5 year/ 5,000hr warranty, proven system based on time-tested components
- Increased Reliability
- Increases safety, see and be seen
- More closely approximates the color temperature of Natural Daylight
- FAA STC & EASA approvals for hundreds of make/models of aircraft
- Thousands of installations worldwide

The Whelen Aerospace Technologies (WAT) BoomBeam HID lights is the best upgrade path for your Cirrus's landing light. We can provide a 7-time increase in light output. Greatly improving the safety of both day and night operations. This 85-watt BoomBeam consists of a new glass lens, reflector assembly, new lamp, 2 cables and the latest technology 85-watt ballast, and all the hardware necessary to install the kit. As a previous OEM supplier to Cirrus WAT has produced thousands of these units. We used that knowledge gained to create the best landing light available for your Cirrus. Our reflector technology is the best in the market. We married this improved reflector with our latest technology 85-watt ballast to create a light upgrade that improves light output by 700% over the factory installed light. But we did not stop there. We know that each pilot wants his airplane set up just for him. Some want a broad, wide landing beam and others, (that may have our TriTips installed), want to maximize the range of the light. The WAT BoomBeam light is tuneable so you can adjust the light for a custom fit to you and your aircraft.

## CIRRUS KITS

COWLING LANDING LIGHT



Round Kit



Rectangular Kit

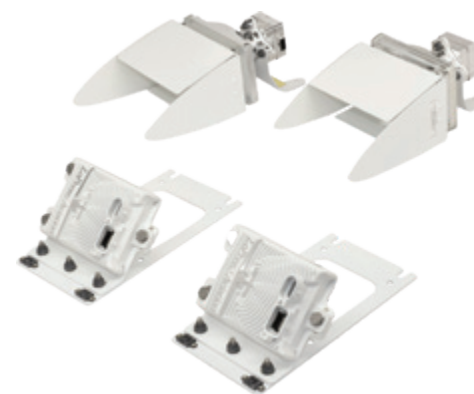


Rectangular Upgrade Kit

KIT #	AIRCRAFT SERIAL #	DESCRIPTION
<b>LSM-500-082-17</b>	<b>SR20</b> • S/N 1148-1422 <b>SR22</b> • S/N 0119-0820	<b>85W</b> Round Landing Light Installation Kit • Cowling
<b>LSM-500-082-19</b>	<b>SR20</b> • S/N 1423-2043 <b>SR22</b> • S/N 0821-3495	<b>85W</b> Rectangular Landing Light Installation Kit • Cowling
<b>LSM-500-082-21</b>	<b>SR20</b> • S/N 2044-2126 <b>SR22</b> • S/N 3389-3827 <b>SSR22T</b> With HID Lights	<b>85W</b> Rectangular Landing Light Installation Kit • Cowling
<b>LSM-500-082-27</b>	<b>SR20</b> • S/N 2127 and Subsequent <b>SR22</b> • S/N 3828 and Subsequent <b>SR22T</b> With Factory Installed LED Lights	<b>85W</b> Rectangular Landing Light Upgrade LED to HID

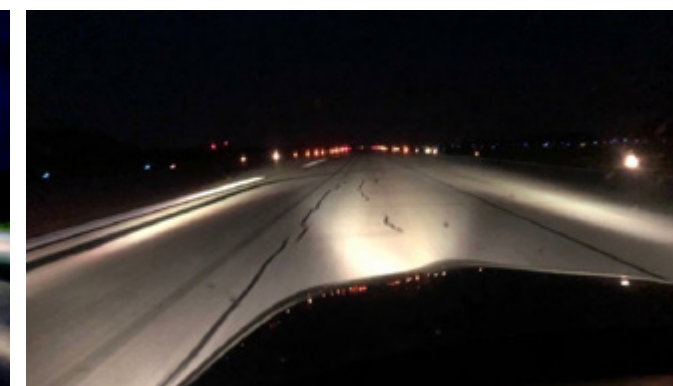
## CIRRUS KITS

WINGTIP RECOGNITION LIGHT

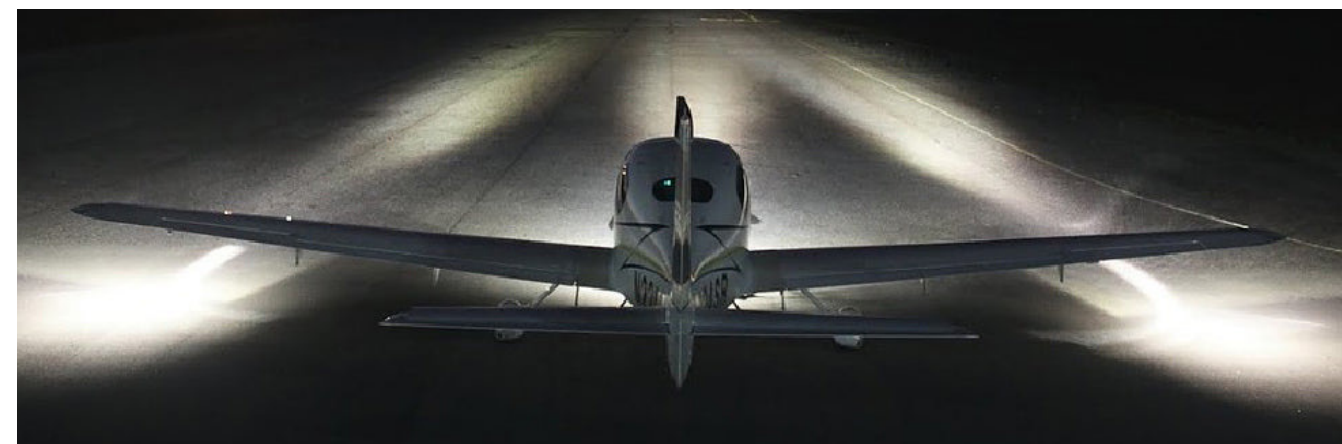


The Whelen Aerospace Technologies (WAT) BoomBeam HID wingtip lights is the best upgrade path for your Cirrus's wingtip lights. This system is for aircraft with stock recognition wingtip lights. This kit consists of model specific bracketry to slide into place replacing the poor performing LEDs that come stock on the aircraft. The 85-watt BoomBeam consists of a new glass lens, reflector assembly, new lamp, cables, custom bracketry, the latest technology 85-watt ballast, and all the hardware necessary to install the kit. As a previous OEM supplier to Cirrus WAT has produced thousands of these units. We used that knowledge gained to create the best landing light available for your Cirrus.

KIT #	AIRCRAFT SERIAL #	DESCRIPTION
<b>LSM-500-135-1</b>	<b>SR20 (G3)</b> • S/Ns 1886 and Subsequent <b>SR22</b> • S/Ns 2238 and Subsequent <b>SR22T</b>	<b>85W</b> Cirrus Wing Tip Light Installation



HUNDREDS OF OTHER STC'D GENERAL AVIATION HID LIGHTING KITS AVAILABLE. PLEASE VISIT OUR WEBSITE OR CONTACT US TO SEE IF YOUR AIRCRAFT IS APPROVED.





- Produces 3 - 15 times more light, engineered specially for each model aircraft
- Reduces electrical load and heat output
- 5 year/ 5,000hr warranty, proven system based on time-tested components
- Increased Reliability
- Increases safety, see and be seen
- More closely approximates the color temperature of Natural Daylight
- FAA STC & EASA approvals for hundreds of make/ models of aircraft
- Thousands of installations worldwide

## BEECH BONANZA KITS

COWLING & WING LIGHTS



Cowling Light



Wing Lights

KIT #	DESCRIPTION
<b>LSM-500-006-5</b>	<b>60W</b> • 14 Volt Installation • Cowl Mounted
<b>LSM-500-006-9</b>	<b>85W</b> • 28 Volt Installation • Cowl Mounted
<b>LSM-500-006-11</b>	<b>60W</b> • 14 Volt Installation • Wing Mounted



## CESSNA 400

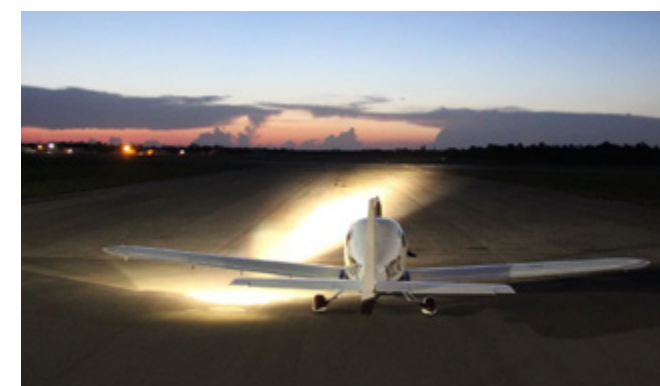
WING LIGHTS



Whelen Aerospace Technologies (WAT) Cessna 400 series wing landing and taxi light installation kit. This kit features a new landing and taxi rectangular light assembly. Each lamp is independently powered by the WAT 28V 85-watt ballasts, giving this system multi redundancy. The system comes with all components needed for installation.

**Lancair Models LC40-550FG, LC41-550FG, LC42-550FG**  
**Columbia Models: 300, 350, 400**  
**Cessna Model 400**

KIT #	DESCRIPTION
<b>LSM-500-092-7</b>	<b>60W</b> • 14 Volt Installation • Conversion From Stock Halogen Landing/Taxi Light Kit
<b>LSM-500-092-9</b>	<b>60W</b> • 28 Volt Installation • Conversion From Stock Halogen Landing/Taxi Light Kit





## SPEED SPLITTERS

AERODYNAMIC FAIRING MOD



A two part aerodynamic fairing that covers both the front and rear legs of each of the six exposed flap hinges; this mod is worth **3MPH**.

MAKE	MODEL	KIT #
Piper	Comanche PA-24-250, PA-24-260, PA-24-260C, PA-24-400, PA-30, PA-39	<b>LSM-100-008</b>
Piper	PA-28-140, PA-28-150, PA-28-151, PA-28-160, PA-28-161, PA-28-180, PA-28-181, PA-28-201T, PA-28-235, PA-28-236, PA-28R-180, PA-28R-200, PA-28R-201, PA-28R-201T, PA-28RT-201, PA-28RT-201T, PA-32-260, PA-32-300, PA-32-301, PA-32-301T, PA-32R-300, PA-32R-300T, PA-32R-301, PA-32R-301T, PA-32RT-300, PA-32RT-300T, PA-32R-301, PA-32R-301T, PA-44-180, PA-44-180T	<b>LSM-200-014</b>
Piper	PA-34-200	<b>LSM-200-017-Seneca1</b>
Piper	PA-34-200T, PA-34-220T	<b>LSM-200-017</b>

## SPEED SPATS

DRAG REDUCING MOD



Reduce the drag caused by the retracted but some what exposed main gear wheels and tires. Speed Spats are with **4MPH** in speed gain.

MAKE	MODEL	KIT #
Piper	Comanche PA-24-180, PA-24-250, PA-24-260, PA-24-260C, PA-24-400, PA-30, PA-39	<b>LSM-100-001</b>
Piper	PA-28R-180, PA-28R-200, PA-28R-201, PA-28R-201T, PA-28RT-201, PA-28RT-201T, PA-32R-300, PA-32R-300T, PA-32R-301, PA-32R-301T, PA-32RT-300, PA-32RT-300T, PA-32RT-301, PA-32RT-301T, PA-34-200, PA-34-200T, PA-34-220T, PA-44-180, PA-44-180T	<b>LSM-200-006</b>

## SPEED SEALS



A flap gap seal that provides **3MPH** in speed and much improved pitch authority. You'll get the nose gear off sooner and hold the nose wheel off longer after landing.

MAKE	MODEL	KIT #
Piper	Comanche PA-24-180 PA-25-250	<b>LSM-100-020-12-13</b>
Piper	Comanche PA-24-250, PA-24-260, PA-24-260C, PA-24-400, PA-30, PA-39	<b>LSM-100-020-1-2</b>
Piper	PA-28-150, PA-28RT-201, PA-32RT-301T, PA-28-160, PA-28-161, PA-28-180, PA-28-181, PA-28-201T, PA-28-235, PA-28-236, PA-28R-180, PA-28R-200, PA-28R-201, PA-28R-201T, PA-28RT-201, PA-28RT-201T, PA-32-260, PA-32-300, PA-32-301, PA-32-301T, PA-32R-300, PA-32R-300T, PA-32R-301, PA-32R-301T, PA-32RT-300, PA-32RT-300T, PA-32RT-301, PA-32RT-301T, PA-44-180, PA-44-180T	<b>LSM-200-016</b>
Piper	<b>PA-34-200T, PA-34-220T</b>	<b>LSM-200-018</b>

## HUBBA HUBBA CAP



Our Hubba Hubba Cap fits most 6-inch aircraft wheels. The Hubba Hubba Cap has an access door with a 1/4 turn fastener for EASY access to the air valve. How many times have your tires been low on pressure but you did not want to remove the hub cap to put air in your tires? The Hubba Hubba Caps will let you keep your wheels and bearings free of dirt and grime.

## CIRRUS WHEEL PANTS



Whelen Aerospace Technologies WAT IceSkates offer new styling, new materials and higher performance for your Cirrus. The WAT IceSkate for your main gear offers a more structurally substantial pant. Our pant is manufactured with better, fire resistant and stiffer materials, (Carbon Fiber, etc). We also know that Cirrus are steered with differential braking so temperatures are critical. In order to help control brake heat and improve brake performance, IceSkates have an air vent that blows fresh air right on the brake caliper. Customers report improved braking longer brake pad performance.





**WHELEN** AEROSPACE TECHNOLOGIES



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