



AEROLEDSM

FULL PRODUCT CATALOG

WHO WE ARE

In 2006 AeroLEDs embarked on a mission to redefine the expectations of modern aerospace lighting. Creating the first exterior LED-based airplane lights, AeroLEDs continues to lead the industry in design, reliability, and performance. We serve every spectrum of the aerospace market from experimental up to space and military applications.



INDUSTRY LEADING
PERFORMANCE
5-YEAR WARRANTY
HIGH EFFICIENCY
SHOCKPROOF
LESS DRAG
LONG LIFE

CERTIFIED AIRCRAFT

Operating under the highest standard of quality, our manufacturing facility has been audited by the U.S. Federal Aviation Administration (FAA) and has been issued a Parts Manufacturing Approval (PMA # PQ5259NM). AeroLEDs are certified to equip virtually any aircraft in the Part 23, Part 25, Part 27 and Part 29 categories. From nose to tail we offer a vast array of certified LED replacements to bring your aircraft to life and keep you flying safer.



EXPERIMENTAL AIRCRAFT

We have builders and pilots on the AeroLEDs team, so we know first-hand the decisions you face when selecting lights for your aircraft. AeroLEDs partners with numerous experimental aircraft manufacturers to provide you with a hassle-free lighting solution and industry leading performance to set your aircraft up the way you want it.

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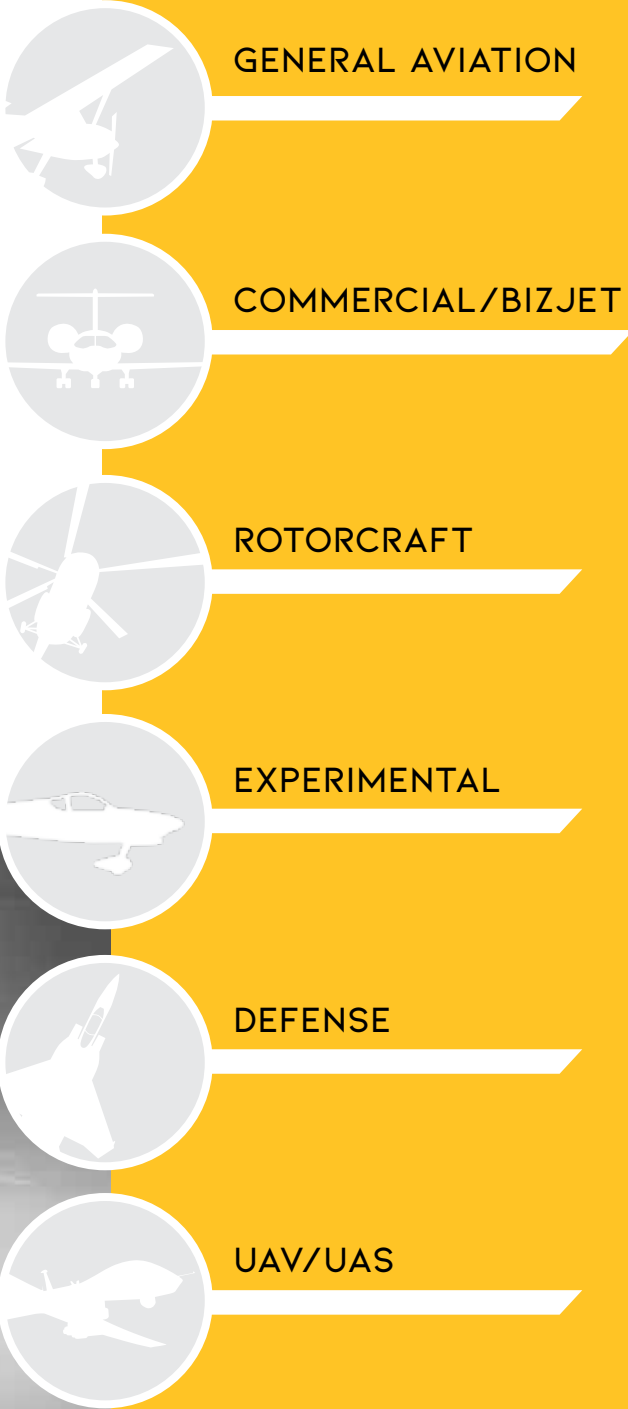
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LANDING TAXI RECOGNITION





LANDING AND TAXI LIGHTS CERTIFIED

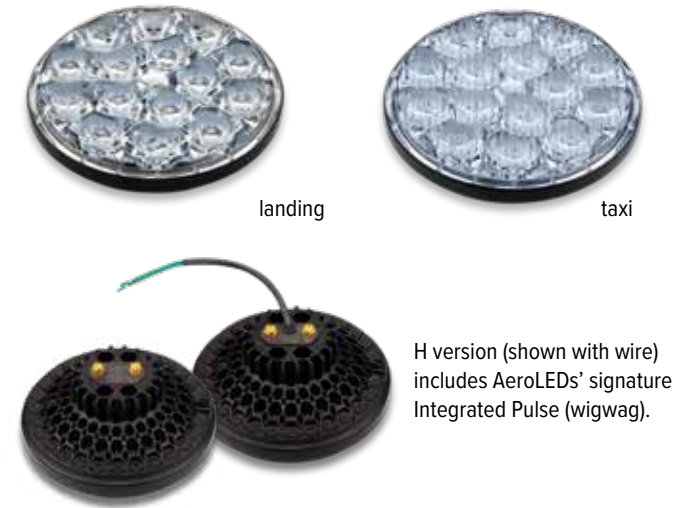
FAA-PMA/STC certified drop-in replacements for PAR36, PAR46 and PAR64 configurations.

Voted **Best LED Landing Light** by *The Aviation Consumer*, SunSpot™ Series LED landing and taxi lights can be seen from up to 30 miles away and are shock and vibration resistant. SunSpot can be left on in all phases of flight as they draw 40% less power - significantly reducing the electrical load on the airplane's battery and alternator system. These LEDs are designed to provide a wider beam pattern at a higher intensity with full-scale color rendering as compared to legacy incandescent lights. They also maintain their full light output even at low engine RPM, which is critical for landing configuration. Specifically sourced LED's do not step on the IR spectrum or cause interference with NVG equipment.

H versions include AeroLEDs' SIGNATURE integrated Pulse or "WigWag" feature that helps significantly increase recognition in broad daylight as well as night operations. This feature aids in the avoidance of mid-air collisions and bird strikes, while reducing the load on the electrical system by 50%. AeroLEDs recommends that pilots switch to pulse/wigwag after takeoff and remain in this mode throughout each flight. SunSpot Series LEDs are designed to be mounted in the wingtips, leading edge, cowling, or on the landing gear.



SUNSPOT 36 SERIES



DIRECT DROP-IN REPLACEMENT FOR PAR 36 LAMPS



SUNSPOT 46 SERIES



DIRECT DROP-IN REPLACEMENT FOR PAR 46 LAMPS



SUNSPOT 64 SERIES



DIRECT DROP-IN REPLACEMENT FOR PAR 64 LAMPS



SUNSPOT 36 SERIES

LANDING AND TAXI LIGHTS

CERTIFIED

SunSpot™ 36 LED aircraft landing lights and taxi lights consume less power, output more lumens, and are not affected by vibrations compared to incandescent bulbs. These attributes make the SunSpot ideal for most aircraft. SunSpot outputs a wider beam at a higher color temperature that provides exceptional color rendering as opposed to “grayed” out images from the orange-red color temperature of an incandescent lamp. All lights in this series utilize the existing PAR36 mount and electrical connections for ease of installation. **Available in 100W, 75W, and 45W.**



100W

100W		4596 LANDING	4596-H LANDING	4313 LANDING	4313-H LANDING	4587 TAXI	4587-H TAXI	4314 TAXI	4314-H TAXI	
Part #(s)		01-1030-4596	01-1030-4596-H WigWag	01-1030-4313	01-1030-4313-H WigWag	01-1030-4587	01-1030-4587-H WigWag	01-1030-4314	01-1030-4314-H WigWag	
Product View										
Certification		PMA/STC				PMA/STC				
MTBF >30K hr		•	•	•	•	•	•	•	•	
Warranty (5yrs)		•	•	•	•	•	•	•	•	
Wig/Wag		–	•	–	•	–	•	–	•	
Pulse		–	•	–	•	–	•	–	•	
Sync		–	•	–	•	–	•	–	•	
Weight		11.5 oz								
Dimensions (L x W x D)		4.4” x 4.4” x 2.1”								
Voltage	14V	–	–	•	•	–	–	•	•	
	28V	•	•	–	–	•	•	–	–	
Power	Amp/V	3.6A @ 28V		6.7A @ 14V		3.6A @ 28V		6.7A @ 14V		
	Watt	100W		95W		100W		95W		
Photometrics	Beam Profile	Lumens	11,000 lm				11,000 lm			
		Candela	150,000 cd				50,000 cd			
		Landing	20° x 20°				–			
		Taxi	–				20° x 40°			

75W

75W		4509 LANDING	4509-H LANDING	4591 LANDING	4591-H LANDING	4519 TAXI	4519-H TAXI	4626 TAXI	4626-H TAXI	
Part #(s)		01-1030-4509	01-1030-4509-H	01-1030-4591	01-1030-4591-H	01-1030-4519	01-1030-4519-H	01-1030-4626	01-1030-4626-H	
Product View										
Certification		PMA/STC								
MTBF >30K hr		•	•	•	•					
Warranty (5yrs)		•	•	•	•					
Wig/Wag		–	•	–	•					
Pulse		–	•	–	•					
Sync		–	•	–	•					
Weight		11.2 oz								
Dimensions (L x W x D)		4.4” x 4.4” x 2.0”								
Voltage	14V	•	•	–	–					
	28V	–	–	•	•					
Power	Amp/V	5.4A @ 14V		2.7A @ 28V						
	Watt	75W		75W						
Photometrics	Beam Profile	Lumens	6,500 lm							
		Candela	200,000 cd							
	Landing Taxi	Landing	15° x 15°							
		Taxi	–							

NEW **SunSpot™ 36 LXi** is an optimized version of our long-trusted SunSpot 36 LX landing light. SunSpot 36 LXi utilizes the existing PAR36 mount and electrical connections for ease of installation. Taxi version coming soon.

45W		LXi LANDING	LXi TAXI
Part #(s)		01-1030-L-A	01-1030-L-B
Product View			COMING SOON
Certification		PMA/STC	
MTBF >30K hr		•	
Warranty (5yrs)		•	
Wig/Wag		–	
Pulse		–	
Sync		–	
Weight		11.2 oz	
Dimensions (L x W x D)		4.4" x 4.4" x 2.0"	
Voltage	9-30V	•	
	14V	–	
	28V	–	
Power	Amp/V	3.5A @ 14V	
	Watt	45W	
Photometrics Beam Profile	Lumens	5,000 lm	
	Candela	140,000 cd	
	Landing	14° x 14°	
	Taxi	–	



SUNSPOT 36 PCx

LANDING AND TAXI LIGHTS FOR PILATUS AIRCRAFT

CERTIFIED

SunSpot™ 36 PCx series LED replacements are designed for and approved by Pilatus. All lights in this series utilize the existing Pilatus mounting configurations and electrical connections making installation a true drop-in replacement.

Compatible with models: PC-7, PC-7 MKII, PC-9, PC-12 and PC-21.



			PCx LANDING	PCx TAXI
Part #(s)			900-01-100-A Pilatus PC-7, 9, 12, 21	900-01-100-C Pilatus PC-12
Certification			PMA/STC	PMA/STC
MTBF >30K hr			•	•
Warranty (5yrs)			•	•
Wig/Wag			—	—
Pulse			—	—
Sync			—	—
Weight			11.5 oz	
Dimensions (L x W x D)			4.4” x 4.4” x 2.3”	
Voltage	9-40V	—	—	
	14V	—	—	
	28V	•	•	
Power	Amp/V	3.6A @ 28V		
	Watt	100W		
Photometrics		Lumens	11,000 lm	
		Candela	150,000 cd	50,000 cd
	Beam Profile	Landing	20° x 20°	—
		Taxi	—	20° x 40°



SUNSPOT EQUINOX SERIES

DUAL-FUNCTION LANDING/TAXI LIGHTS

CERTIFIED

SunSpot™ Equinox is a true dual-function LED landing AND taxi light available in both PAR36 and PAR46 configurations. In landing mode, it will output a 20°x20° bright white beam for take-offs and landings to greatly improve visibility both on the ground and in the air from up to 30 miles away. While in taxi mode, the light produces a wider 20°x45° beam spread that outputs a solid and evenly distributed light pattern for unmatched illumination of the runway/taxiway without impairing the vision of other pilots. All lights in the SunSpot Equinox Series come standard with Integrated Pulse (wigwag) capability. The SunSpot Equinox replacement LED's utilize the existing PAR36 or PAR46 mount and electrical connections, with only a double pole double throw (DPDT) switch needed for dual modes.



		36 EQUINOX 12V-LANDING/TAXI	36 EQUINOX 24V-LANDING/TAXI	46 EQUINOX 12V-LANDING/TAXI	46 EQUINOX 24V-LANDING/TAXI
Part #(s)		01-1030-LT-12	01-1030-LT-24	01-2230-LT-12	01-2230-LT-24
Certification		PMA/STC	PMA/STC	PMA/STC	PMA/STC
MTBF >30K hr		•	•	•	•
Warranty (5yrs)		•	•	•	•
Wig/Wag		•	•	•	•
Pulse		•	•	•	•
Sync		•	•	•	•
Weight		11.06 oz		22 oz	
Dimensions (L x W x D)		4.4" x 4.4" x 2.1"		5.6" x 5.6" x 1.9"	
Voltage	9-30V	–	–	–	–
	14V	•	–	•	–
	28V	–	•	–	•
Power	Amp/V	7.1A / 5.4A	3.5A / 3.5A	10.2A / 9.6A	6.3A / 6.3A
	Watt	100W		145/135W	175W
Photometrics	Beam Profile	Lumens	11,000 lm	15,000 / 13,000 lm	18,000 / 16,000 lm
		Candela	150,000 cd	230,000 / 50,000 cd	275,000 / 60,000 cd
		Landing	20° x 20°	20° x 20°	20° x 20°
	Taxi		20° x 45°	20° x 50°	20° x 50°

SUNSPOT 46 SERIES

LANDING AND TAXI LIGHTS

CERTIFIED

SunSpot™ 46 LED aircraft landing lights and taxi lights consume less power, output more lumens (total light output), and are not affected by vibrations compared to incandescent bulbs. These attributes make the SunSpot ideal for most aircraft. The SunSpot series outputs a wider beam that illuminates the color of an object due to the blue-green color temperature as opposed to “grayed” out images from the orange-red color temperature of an incandescent lamp. All lights in this series utilize the existing PAR46 mount and electrical connections for ease of installation.

		4522 LANDING	4522-H LANDING	4580 LANDING	4580-H LANDING	4554 TAXI	4554-H TAXI	46 LX LANDING	46 HX LANDING
Part #(s)		01-2230-4522	01-2230-4522-H WigWag	01-2230-4580	01-2230-4580-H WigWag	01-2230-4554	01-2230-4554-H WigWag	01-2130-LX	01-2130-HX WigWag
Product View									
Certification		PMA/STC	PMA/STC	PMA/STC	PMA/STC	PMA/STC	PMA/STC	PMA/STC	PMA/STC
MTBF >30K hr		•	•	•	•	•	•	•	•
Warranty (5yrs)		•	•	•	•	•	•	•	•
Wig/Wag		–	•	–	•	–	•	–	•
Pulse		–	•	–	•	–	•	–	•
Sync		–	•	–	•	–	•	–	•
Weight		20 oz							
Dimensions (L x W x D)		5.6" x 5.6" x 1.9"							
Voltage	9-40V	–	–	–	–	–	–	•	
	14V	•	•	–	–	–	–	–	
	28V	–	–	•	•	•	•	–	
Power	Amp/V	10 @ 14V		6.3A @ 28V				6A @ 14V / 2.85 @ 28V	
	Watt	140W		175W				85W	
Photometrics		Lumens	15,400 lm		19,250 lm		19,250 lm		9,250 lm
		Candela	180,000 cd		250,000 cd		100,000 cd		150,000 cd
	Beam Profile	Landing	20° x 20°		20° x 20°		–		20° x 20°
		Taxi	–		–		20° x 40°		–

SUNSPOT 64 SERIES

LANDING AND TAXI LIGHTS

CERTIFIED

Now FAA-PMA approved for Part 25 category aircraft - SunSpot™ 64-4000 series landing lights are the highest performing PAR64 LED on the market. At only 200 watts max, SunSpot 64 consumes less power, outputs more lumens (total light output), and is not affected by vibrations compared to incandescent bulbs. The wider beam and blue-green color temperature illuminates the true color of an object as opposed to “grayed” out images from the orange-red color temperature of an incandescent lamp. SunSpot 64 utilizes the existing PAR64 mount and electrical connections for ease of installation.

		4559 LANDING	
Part #		01-2250-4559	
Product View			
Certification		PMA	
MTBF >30K hr		●	
Warranty (5yrs)		●	
Wig/Wag		—	
Pulse		—	
Sync		—	
Weight		48 oz	
Dimensions (L x W x D)		8" x 8" x 2"	
Voltage	9-40V	—	
	14V	—	
	28V	●	
Power	Amp/V	7.2A @ 28V	
	Watt	200W	
Photometrics		Lumens	22,000 lm
		Candela	420,000 cd
	Beam Profile	Landing	20° x 20°
		Taxi	—



LEGACY BULB REPLACEMENT CHART **LANDING**

INCANDESCENT						AEROLEDS CERTIFIED			
Size	Model	Voltage	Watts	Peak	Lumens	Model			
PAR36	H7604	14	50	50,000	750	SunSpot 36 LXi 01-1030-L-A Volts: 9-30 Watts: 45 Candela: 140,000 Lumens: 5,000	SunSpot 36-4509 01-1030-4509 01-1030-4509-H Volts: 14 Watts: 75 Candela: 200,000 Lumens: 6,500	SunSpot 36-4313 01-1030-4313 01-1030-4313-H Volts: 14 Watts: 100 Candela: 150,000 Lumens: 11,000	SunSpot 36-Equinox Dual-Function LED Landing/Taxi Light 01-1030-LT-12 Volts: 14 Watts: 100 Candela: 150,000 Lumens: 11,000
	GE 4509		100	60,000	1,500				
	GE 4595								
	GE 4700		75,000	3,750					
	Q4632								
	Q4631								
	GE 4313		250	40,000	150,000				
	Q5587	90,000							
	GE 4596								
	GE 5596								
	Q5596								
PAR46	GE 4522	14	250	290,000	3,750	SunSpot 46 LX/HX 01-2130-LX 01-2130-HX Volts: 9-40 Watts: 85 Candela: 150,000 Lumens: 9,250	SunSpot 46-4522 01-2230-4522 Volts: 14 Watts: 140 Candela: 180,000 Lumens: 15,400	SunSpot 46-Equinox Dual-Function LED Landing/Taxi Light 01-2230-LT-12 Volts: 14 Watts: 145/135 Candela: 230,000/50,000 Lumens: 15,000/13,00	
	GE 4553	28		300,000					
	GE 4566	450	150,000	6,750	SunSpot 46-4580 01-2230-4580 01-2230-4580-H Volts: 28 Watts: 175 Candela: 250,000 Lumens: 19,250		SunSpot 46-Equinox Dual-Function LED Landing/Taxi Light 01-2230-LT-24 Volts: 28 Watts: 175 Candela: 275,000/60,000 Lumens: 18,000/16,000		
	Q4566								
	Q4681								
	GE 4580								
	GE 4581								
PAR64	GE 4552	28	250	500,000	4,000	SunSpot 64-4559 01-2250-4559 Volts: 28 Watts: 200 Candela: 420,000 Lumens: 22,000			
	Q4559		600	600,000	10,200				
	GE 4559			765,000					
	Q4559X								
	Q4559XX								

LEGACY BULB REPLACEMENT CHART **TAXI**

INCANDESCENT						AEROLEDS CERTIFIED				
Size	Model	Voltage	Watts	Peak	Lumens	Model				
PAR36	GE 4503	14	40	11,000	640	SunSpot 36 LXi 01-1030-L-B COMING SOON!	SunSpot 36-4519 01-1030-4519 01-1030-4519-H COMING SOON!	SunSpot 36-4314 01-1030-4314 01-1030-4314-H Volts: 14 Watts: 95 Candela: 50,000 Lumens: 11,000	SunSpot 36-Equinox Dual-Function LED Landing/Taxi Light 01-1030-LT-12 Volts: 14 Watts: 100 Candela: 150,000 Lumens: 11,000	
	GE 4593	28	50	1,500	800			SunSpot 36-4626 01-1030-4626 01-1030-4626-H COMING SOON!	SunSpot 36-4587 01-1030-4587 01-1030-4587-H Volts: 28 Watts: 100 Candela: 50,000 Lumens: 11,000	SunSpot 36-Equinox Dual-Function LED Landing/Taxi Light 01-1030-LT-24 Volts: 28 Watts: 100 Candela: 150,000 Lumens: 11,000
	GE 4589			5,000						
	GE 4502			10,000						
	GE 4505			45,000						
	GE 4627		100	3,000	1,600					
	GE 4591			20,000	1,500					
	GE Q4591									
	GE 4594			150	3,000					
	GE 4626									
	GE 4587		250	40,000	4,000					
	GE Q5587				6,750					
PAR46	GE 4572	28	150	4,500	2,400	SunSpot 46-4554 01-2230-4554 01-2230-4554-H Volts: 28 Watts: 175 Candela: 100,000 Lumens: 19,250		SunSpot 46-Equinox Dual-Function LED Landing/Taxi Light 01-2230-LT-24 Volts: 28 Watts: 175 Candela: 275,000/60,000 Lumens: 18,000/16,000		
	GE 4571			7,500						
	GE 4570			32,000						
	GE Q4551		250	60,000	4,000					
	GE 4551			75,000						
	GE Q5554		450	70,000	7,200					
	Q4554			90,000						
	Q4582			20,000	6,750					

SUNBEAM

LANDING LIGHT

CERTIFIED

SunBeam™ LED landing light with recognition is manufactured in a rectangular format for a completely versatile installation. It is also compatible as a drop-in replacement for the 70346 series lamp. Common installations include: Diamond DA-20/DA-40, Cessna Columbia, Liberty XL, some Cirrus models and some Grumman models. SunBeam comes standard with AeroLEDs’ signature Integrated Pulse (wigwag), significantly increasing recognition in broad daylight as well as night operations to help avoid midair collisions and bird strikes while drawing half the current.



Part #(s)		90-1000-12	90-1000-24
Certification		PMA/STC	
MTBF >30K hr		•	
Warranty (5yrs)		•	
Wig/Wag		•	
Pulse		•	
Sync		•	
Weight		8.8 oz	
Dimensions (L x W x D)		4" x 2.8" x 2"	
Voltage	9-40V	–	–
	14V	•	–
	28V	–	•
Power	Amp/V	2.7A @ 14V	1.4A @ 28V
	Watt	38W	
Photometrics	Beam Profile	Lumens	3,300 lm
		Candela	90,000 cd
	Landing	20° x 20°	
		Taxi	–



AEROLED

SUN

SERIES

LANDING/TAXI LIGHTS

Serving as the launch product for AeroLEDs in 2006, the **AeroSun™** was met with immediate success and acceptance within the experimental aircraft community. With first-in-industry advancements like integral thermal protection and wigwag pattern for enhanced anti-collision visibility, AeroSun set the benchmark and laid the foundation for future aviation lighting products. Since then, the AeroSun line has expanded to include other unique products, both certified and experimental, which are widely used on a large number of aircraft ranging from Cessna, Vans RV, Kitfox, Rans and Lancair. AeroLEDs’ signature Integrated Pulse (wigwag) feature is included in all models to help ensure pilots are seen in all phases of flight.



AEROSUN Cx

LANDING/TAXI LIGHT

CERTIFIED

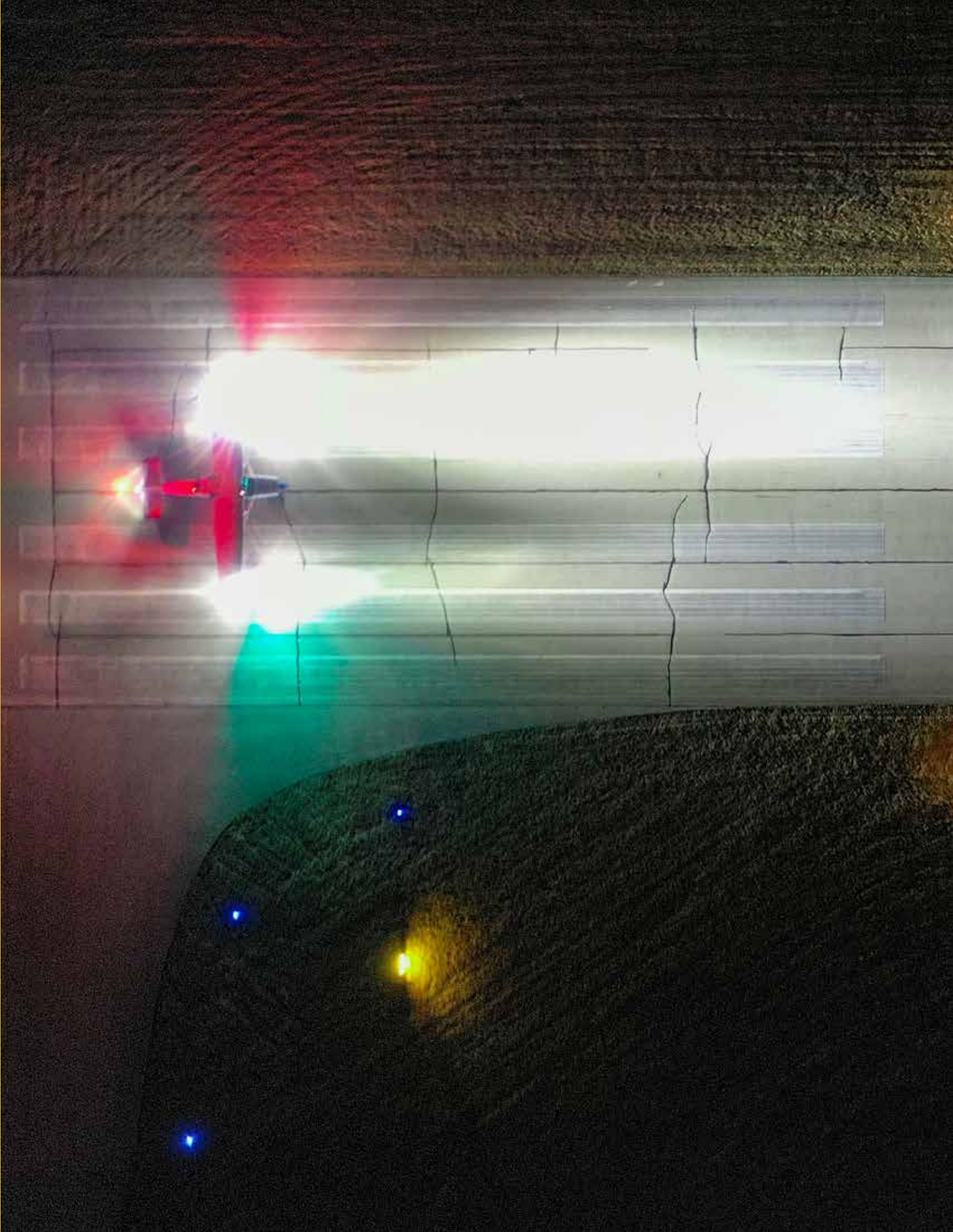
AeroSun™ Cx is a PMA Certified LED landing, taxi and recognition light designed specifically for installation in the Stene Aviation Quasar Cessna wingtips. It features AeroLEDs’ signature Integrated Pulse (wigwag), significantly increasing recognition in broad daylight as well as night operations to help avoid midair collisions and bird strikes while drawing half the current. Installation eligible via STC by Stene Aviation for over 100 different models of the Cessna 150, 170, 172, 175, 180, 182, 185, 205, 206, and 207.



Part #		01-2900	
Certification		PMA/STC	
MTBF >30K hr		•	
Warranty (5yrs)		•	
Wig/Wag		•	
Pulse		•	
Sync		•	
Taxi		•	
Weight		32 oz	
Dimensions		L 5.6" x W 4.1" x D 1.7"	
Voltage		9-40V	•
		14V	—
		28V	—
Total Power		Amp/V	14A @ 14V - landing 2.4A @ 14V - taxi 6.6A @ 28V - landing 1.3A @ 28V - taxi per pair
		Watt	225W
Photometrics		Lumens	22,000 lm per pair
		Candela	300,000 cd per pair
	Beam Profile	Landing	13° x 13°
		Taxi	20° x 60°



Scan for more information on Quasar Cessna wingtips.



AEROSUN Vx

LANDING/TAXI LIGHT

EXPERIMENTAL

AeroSun™ Vx landing and taxi light is designed specifically for Vans RV wingtips. In addition to its standard operation as a landing/taxi light, the AeroSun Vx features AeroLEDs’ signature Integrated Pulse (wigwag) significantly increasing recognition in broad daylight as well as night operations to help avoid midair collisions and bird strikes while drawing half the current. Ideal for installations in aluminum aircraft/composite aircraft, where some airflow within the wing cutout exists.



Part #		01-2500	
Certification		—	
MTBF >30K hr		•	
Warranty (5yrs)		•	
Wig/Wag		•	
Pulse		•	
Sync		•	
Taxi		•	
Weight		31 oz per pair	
Dimensions (L x W x D)		6.3" x 5.7" x 3.4"	
Voltage	9-40V	•	
	14V	—	
	28V	—	
Total Power	Amp/V	11.8A @ 14V per pair 5.9A @ 28V per pair	
	Watt	120W per pair	
Photometrics		Lumens	13,300 lm per pair
		Candela	120,000 cd per pair
	Beam Profile	Landing	20° x 20°
		Taxi	20° x 20°



VANS AIRCRAFT MODEL ELIGIBILITY				
RV6	RV7/8	RV9	RV12	RV10/14
•	•	•	NOT ELIGIBLE	•
•	Requires W-715-1 Wingtip			
•	Requires Conversion Kit 01-2500-KT-1 Note: Window (VA-166) supplied from Vans WILL NOT work for the conversion kit so new part (01-2500-KT-1A) must be used.			

•	Requires Conversion Kit 01-2500-KT-2 Note: The existing wingtip window (VA-193) from Vans WILL work with conversion kit.
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AEROSUN VXi

ALL-IN-ONE LIGHT

EXPERIMENTAL

AeroLEDs and Vans Aircraft have teamed up to bring you the groundbreaking **AeroSun™ VXi** fully integrated lighting solution. AeroSun VXi is designed in conjunction with the all-new Vans RV Carbon Fiber Wingtips providing an all-in-one LED lighting solution for your RV 7/8/10 or 14.



NOW AVAILABLE
FOR RV-7/8/10/14

AEROSUN VXi FEATURES INCLUDE:

POS/ACS
Exceeds TSO C-30c,
Type III & TSO-C96a
Class II

**UNDERWING
INSPECTION
CONVENIENCE**

LANDING/TAXI
Power: 100W Max
– Per Side
Lumens: 11,000
– Per Side
Candela: 150,000 CD
– Per Side
Beam Angle:
Landing: 20 X 20
Taxi: 20 X 50

NAV
Exceeds TSO C-30c,
Type I, II

ACS
Exceeds TSO-C96a
Class II

AEROSUN

LANDING LIGHT

EXPERIMENTAL

AeroSun™ is a versatile wing or frame mounted LED landing light featuring AeroLEDs' signature Integrated Pulse (wigwag) significantly increasing recognition in broad daylight as well as night operations to help avoid midair collisions and bird strikes while drawing half the current. This light is ideal for installations in aluminum aircraft/ composite aircraft, where some airflow within the wing cutout exists. Optional mount sold separately (pg. 41)



Part #		01-2120
Certification		–
MTBF >30K hr		•
Warranty (5yrs)		•
Wig/Wag		•
Pulse		•
Sync		•
Taxi		–
Weight		8 oz
Dimensions (L x W x D)		5" x 2.3" x 1.4"
Voltage	9-40V	•
	14V	–
	28V	–
Total Power	Amp/V	2.8A @ 14V 1.4A @ 28V
	Watt	39W
Photometrics	Lumens	4,290 lm
		54,000 cd
	Beam Profile	Landing 13° x 13°
		Taxi –



MICROSUN

TAXI/RECOGNITION LIGHT

EXPERIMENTAL

MicroSun™ is an ultra-powerful, very versatile LED with the ability to be mounted almost anywhere on an aircraft. In addition to its standard operation as a taxi and recognition light, the MicroSun features AeroLEDs’ signature Integrated Pulse (wigwag) significantly increasing recognition in broad daylight as well as night operations to help avoid midair collisions and bird strikes while drawing half the current. Their compact profile makes them the perfect option for lighter weight experimental or kit planes. Available for both internal and external configurations. Optional mount sold separately (pg. 41)



Part #(s)		01-1170 Internal Mount	01-1170-A External Mount
Product View			
Certification		–	
MTBF >30K hr		•	
Warranty (5yrs)		•	
Wig/Wag		•	
Pulse		•	
Sync		•	
Taxi		•	
Weight		3.6 oz	2.2 oz
Dimensions (L x W x D)		3.1" x 1.9" x 2"	3.1" x 1.9" x 0.9"
Voltage	9-40V	•	
	14V	–	
	28V	–	
Total Power	Amp/V	1.7A @ 14V	
	Watt	24W	
Photometrics		Lumens	2,640 lm
		Candela	15,000 cd
	Beam Profile	Landing	–
		Taxi	30° x 30°



SUNRAY

LANDING/RECOGNITION LIGHT

EXPERIMENTAL

SunRay™ LED is a high-powered, compact experimental landing/recognition light. This wing-mounted LED features AeroLEDs’ signature Integrated Pulse (wigwag) significantly increasing recognition in broad daylight as well as night operations to help avoid midair collisions and bird strikes while drawing half the current. The versatility in placement of the SunRay makes it perfect for most experimental aircraft types. This light is small enough to fit in the wingtip cutout found in Van’s RV kits. Optional mount sold separately (pg. 41)



Part #		01-1150	
Certification		–	
MTBF >30K hr		•	
Warranty (5yrs)		•	
Wig/Wag		•	
Pulse		•	
Sync		•	
Taxi		–	
Weight		4.5 oz	
Dimensions (L x W x D)		2.7" x 2.7" x 1.1"	
Voltage	9-40V	•	
	14V	–	
	28V	–	
Power	Amp/V	0.7A @ 14V	
	Watt	10W	
Photometrics		Lumens	1,100 lm
		Candela	25,000 cd
	Beam Profile	Landing	6° x 6°
		Taxi	–



NAVIGATION ACS POSITION





PULSAR
SERIES

NAVIGATION/STROBE/
POSITION LIGHTS
CERTIFIED OR EXPERIMENTAL



All of the lights in this series meet and exceed the TSO minimum performance standards for navigation/position and anti-collision strobe.

Pulsar™ Series LED navigation lights are one of the industry’s smallest footprints and are designed for some of the most extreme operating conditions on the planet making these lights ideal for use in experimental, certified, commercial, ARFF, UAV, UAS, and military applications. Several options include anti-collision strobe and/or position features to greatly increase recognition in broad daylight as well as night operations to aid in the avoidance of midair collisions and bird strikes. Pulsar and Pulsar N Series LEDs are designed with an aerodynamically low drag profile and a industry standard three-position screw pattern with a patented mounting bracket, making them ideal for legacy light replacements. Pulsar Series LED navigation lights are offered in a variety of options to accommodate both new or retrofit designs for fixed wing, rotorcraft or UAV/UAS applications.

TSO direct replacement
for legacy navigation
lights.



*not compatible with high voltage strobe power supply

		PULSAR N NAV	PULSAR NS NAV/ACS	PULSAR NSP NAV/ACS/POS	PULSAR NAV/ACS/POS
CERTIFIED Part #s		11-1280-A-12 11-1280-A-24	11-1280-B-12 11-1280-B-24	11-1280-C-12 11-1280-C-24	11-1100-12 11-1100-24
	EXPERIMENTAL Part #s	N/A	01-1280-B-12 01-1280-B-24	01-1280-C-12 01-1280-C-24	01-1100-12 01-1100-24
Nav Red Nav Green Anti-Coll Strobe Rear White					
Certification		TSO C-30c Type I and II	TSO C-30c Type I, II and TSO C-96a Class II	TSO C-30c Type I, II, III and TSO C-96a Class II	TSO C-30c Type I, II, III and TSO C-96a Class II
MTBF >30K hr		•	•	•	•
Warranty (5yrs)		•	•	•	•
Sync		–	•	•	•
Weight		7.1 oz per pair			8 oz per pair
Dimensions (L x W x D)		4" x 1.9" x 1.5"			5.6" x 1.9" x 1.4"
Voltage	14V	11-1280-A-12	11-1280-B-12 01-1280-B-12	11-1280-C-12 01-1280-C-12	11-1100-12 01-1100-12
	28V	11-1280-A-24	11-1280-B-24 01-1280-B-24	11-1280-C-24 01-1280-C-24	11-1100-24 01-1100-24
Total Power	Amp/V	NAV - 1.4A per pair @ 14V NAV - 0.8A per pair @ 28V	NAV - 1.6A per pair @ 14V STROBE - 1.3A average per pair @ 14V NAV - 0.8A per pair @ 28V STROBE - 0.8A average per pair @ 28V		
	Watt	20W per pair @ 14V 22W per pair @ 28V	41W per pair @ 14V 44W per pair @ 28V	41W per pair @ 14V 44W per pair @ 28V	42W per pair @ 14V 46W per pair @ 28V

PULSAR NANO

NAVIGATION/STROBE/ POSITION LIGHT

EXPERIMENTAL



Pulsar™ NANO has the industry’s smallest footprint for an LED navigation light! NANO offers several different options — a navigation light for directional red and green positioning, optional strobe light increases visibility in both daylight and night, and optional rear-facing white position light. Designed with an extremely low aerodynamic drag profile and three-position screw pattern with a patented mounting bracket. NANO is special use — military, drone, and Part 23 aircraft.

	PULSAR NANO N NAV		PULSAR NANO NS NAV/ACS	PULSAR NANO NSP NAV/ACS/POS
CERTIFIED Part #s	PENDING		PENDING	PENDING
EXPERIMENTAL Part #s	01-1300-A-12 01-1300-A-24		01-1300-B-12 01-1300-B-24	01-1300-C-12 01-1300-C-24
Certification	—		—	—
MTBF >30K hr	•		•	•
Warranty (5yrs)	•		•	•
Sync	—		•	•
Weight	3 oz per pair			
Dimensions (L x W x D)	3" x 1" x 0.89"			
Voltage	14V	01-1300-A-12	01-1300-B-12	01-1300-C-12
	28V	01-1300-A-24	01-1300-B-24	01-1300-C-24
Total Power	Amp/V	NAV - 1.6A per pair @ 14V NAV - 1.6A per pair @ 28V		NAV - 1.6A per pair @ 14V STROBE - 5.2A per pair @ 14V NAV - 1.6A per pair @ 28V STROBE - 3.6A per pair @ 28V
	Watt	22.4W per pair @ 14V 44.8W per pair @ 28V		34W per pair @ 14V 72.4W per pair @ 28V

ACTUAL
SIZE



SUNBEACON SERIES

BEACON LIGHT

CERTIFIED

SunBeacon II™ is a high performance aircraft beacon light that provides a 360° flash pattern around its vertical axis. This compact aircraft beacon light comes standard with a clear lens – available with either white or red LEDs. SunBeacon II is a direct replacement for standard rotating aircraft beacons and flashing beacons. Offering superior anti-collision benefits with more light output for less power. SunBeacon II requires zero maintenance and has an extremely low profile for reduced drag compared to other aircraft beacon lights. Optional mounts sold separately (pg. 41)

	SUNBEACON II RED	SUNBEACON II WHITE
Part #(s)	11-2200-A-12 11-2200-A-24	11-2200-B-12 11-2200-B-24
Product View		
● Anti-Coll Strobe		
Certification	TSO C-96a Class III	TSO C-96a Class II
MTBF >30K hr	•	•
Warranty (5yrs)	•	•
Sync	•	•
Weight	3.5 oz	
Dimensions (L x W x D)	2.5" x 2.5" x 1.6"	
Voltage	14V	11-2200-A-12 11-2200-B-12
	28V	11-2200-A-24 11-2200-B-24
Total Power	Amp/V	STROBE - 4.4A peak @ 14V STROBE - 2.3A peak @ 28V
	Watt	17W



SUNTAIL

STROBE/POSITION LIGHT

CERTIFIED/EXPERIMENTAL

SunTail™ is an exceptionally bright anti-collision strobe and white position tail light designed as a direct drop in replacement for legacy tail/position lights, using the same mounting footprint. SunTail does not require any external power supply, and can be synchronized to flash with any AeroLEDs Pulsar navigation lights. 90° adapter mount sold separately (pg. 41)



DIRECT DROP-IN
REPLACEMENT FOR
LEGACY TAIL LIGHT

CERTIFIED Part #s		11-1260-12 11-1260-24
EXPERIMENTAL Part #s		01-1260-12 01-1260-24
● Anti-Coll Strobe ○ Rear White		
Certification		TSO C-30c Type III and TSO C-96a Class II
MTBF >30K hr		•
Warranty (5yrs)		•
Sync		•
Weight		2.5 oz
Dimensions (L x W x D)		2.2" x 1.7" x 1.3"
Voltage	14V	11-1260-12 01-1260-12
	28V	11-1260-24 01-1260-24
Total Power	Amp/V	POS - 0.4A @ 14V STROBE - 0.52A average @ 14V POS - 0.2A @ 28V STROBE - .26A average @ 28V
	Watt	13W @ 14V 17W @ 28V



BULB REPLACEMENT





POLARIS

POSITION LIGHT BULB

CERTIFIED

Polaris™ position light bulb serves as an LED replacement for traditional incandescent position lighting. It utilizes the existing standard socket for installation behind a green or red forward-facing navigation lens.



DIRECT DROP-IN REPLACEMENT
FOR A7512/24



STARLIGHT

WING ICE INSPECTION LIGHT

CERTIFIED

StarLight™ LED ice detection lighting system (or wing inspection/wing scan light) provides optimum illumination of your wing to check for the formation of ice. StarLight provides more total light output (lumens) and a wider beam spread to give you the optimum amount of light needed for wing inspection. It also provides added visibility to your aircraft for increased recognition and collision avoidance.



DIRECT DROP-IN REPLACEMENT FOR
(24V) WL-A-7079B-24, WL-A-4174-24



Part #		11-7512-12 11-7512-24
Certification		PMA
MTBF >30K hr		•
Warranty (5yrs)		•
Sync		–
Weight		1 oz
Dimensions (L x W x D)		1.1" x 1.2" x 2"
Voltage	14V	11-7512-12
	28V	11-7512-24
Total Power	Amp/V	0.45A @ 14V 0.20A @ 28V
	Watt	6W @ 14V 8W @ 28V

Part #		01-7079-24
Certification		PMA
MTBF >30K hr		•
Warranty (5yrs)		•
Sync		–
Weight		1.4 oz
Dimensions (L x W x D)		2.2" x 1.5" x 1.1"
Voltage	14V	–
	28V	•
Total Power	Amp/V	0.2A @ 28V
	Watt	5W

KITS

KING AIR

KING AIR LTL KIT
PART# KIT-0041



KING AIR LTL KIT 2
PART# KIT-0054



CESSNA CARAVAN

CESSNA CARAVAN LTL KIT
PART# KIT-0042



VANS RV

VANS RV KIT
for use on: RV-4, RV-6, RV-6A, RV-7,
RV-7A, RV-8, RV-8A, RV-9, RV-9A,
RV-10, RV-14, RV-14A
PART# KIT-0016



VANS RV KIT
for use on: RV-12 ONLY
PART# KIT-0019



PILATUS PC12

PC12 KIT
PART# KIT-0034



ACCESSORIES

We want the installation of your new AeroLEDs to be simple, so you can take to the skies! We understand every aircraft is different. That's why we've created some additional airplane lighting accessories you may need for installation, mounting, and wiring, whether you're replacing your existing lights or installing for the first time.



SUNBEACON II 3.75" ADAPTER
MOUNT CUP
PART# KIT-0049



SUNBEACON II TWIST
MOUNT KIT
PART# 01-1096



SUNTAIL 90° ADAPTER
PART# KIT-0064



PULSAR NS CESSNA WINGTIP
FAIRING ADAPTER
PART# KIT-01-1091



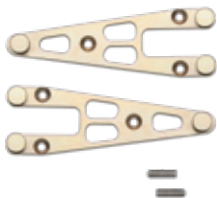
4-PIN MOLEX
CONNECTOR KIT
PART# KIT-0061



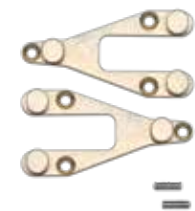
6-PIN MOLEX
CONNECTOR KIT
PART# KIT-0062



CONNECTOR PIN CRIMPERS
PART# 02-1000



PULSAR MOUNT KIT
PART# KIT-0011



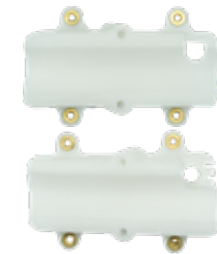
PULSAR N SERIES MOUNT KIT
PART# KIT-0008



AEROSUN MOUNT KIT
PART# KIT-0012



SUNRAY PLUS MOUNT KIT
PART# KIT-0035



MICROSUN STRUT MOUNT
PART# KIT-0065



TEFZEL SHIELDED WIRE
18 AWG, 4 CONDUCTOR PART# 00-8678
20 AWG, 4 CONDUCTOR PART# 00-8677



SYNC CIRCUIT
PART# 00-8120

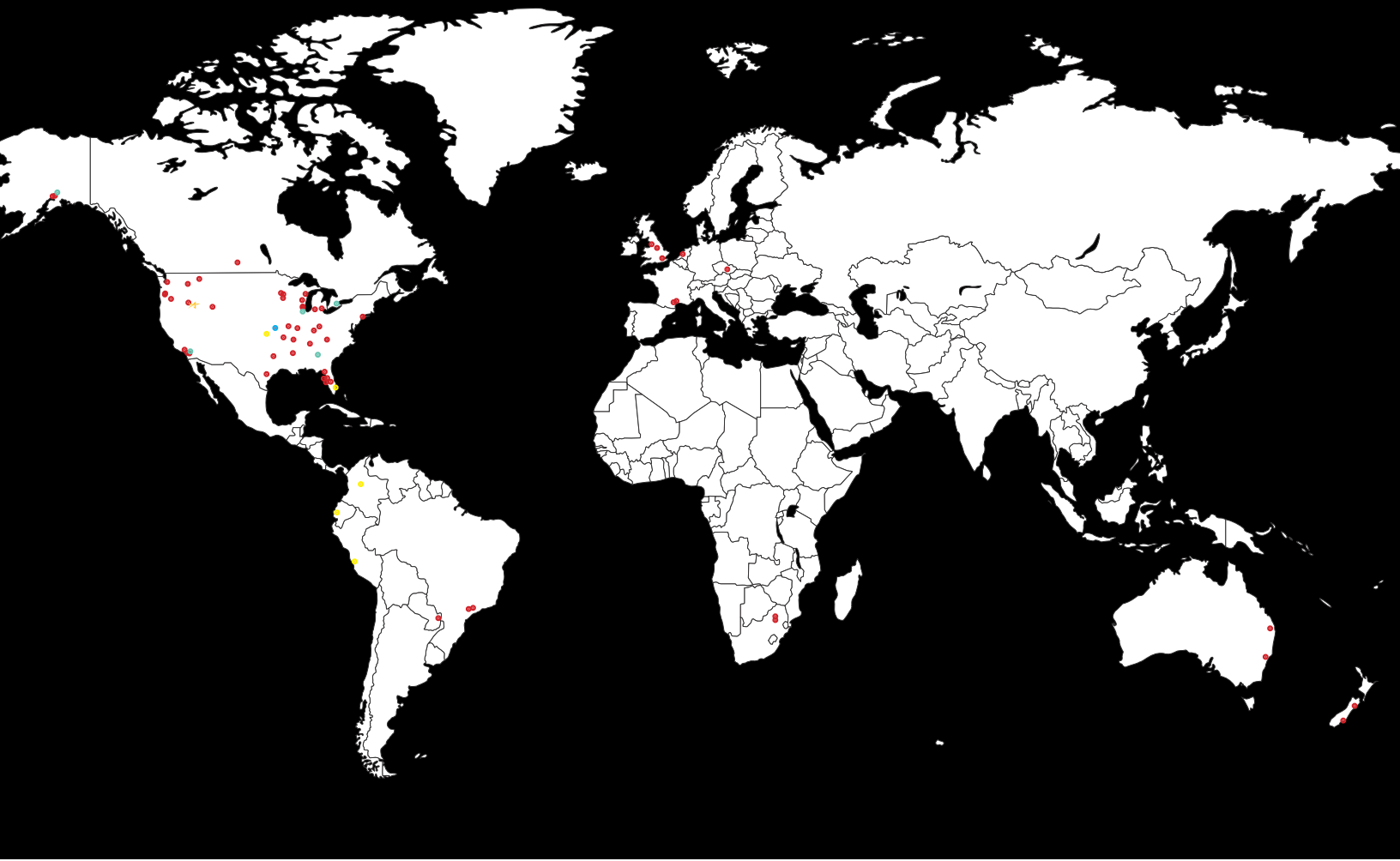


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OFFICIAL
PREMIER PARTNER



SMOKE ON!



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