

AeroLEDs Lighting

Increase safety and reduce operating cost!
See the Difference...



Know the Difference...

- Increased safety
- Direct replacement
- Up to 80% reduced power consumption
- Long life - over 50,000 hours!
- Lighter weight - no heavy power supply - save up to 3 lbs
- Reduced drag
- Zero maintenance

Increased Safety

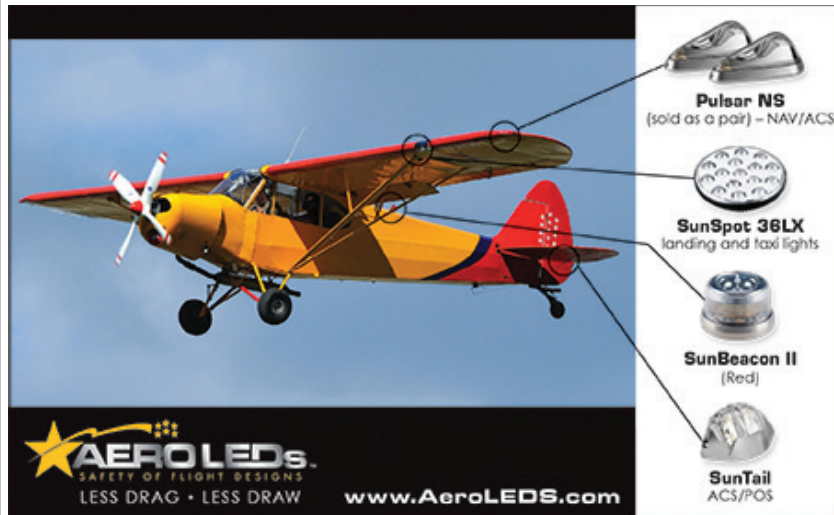
AeroLED lights allow you to comply with the latest FAA recommendations (Operation Lights On) regarding extended use of taxi, landing, and anti-collision lights without fear of reduced light performance or life. They all feature optimized light color (6500k sunlight equivalent) for proven superior air-to-air recognition. The landing and taxi lights also feature an optional pulsed recognition light mode.

Reduced Power Consumption

High efficiency LED lights use less than 1/3 the power of halogen bulbs. They significantly reduce the load on the electrical system and they won't dim due to low voltage, typical of low RPM final approaches when you need them most! Position lights aerodynamic design results in less drag than original equipment!

Longer Life - Zero Maintenance

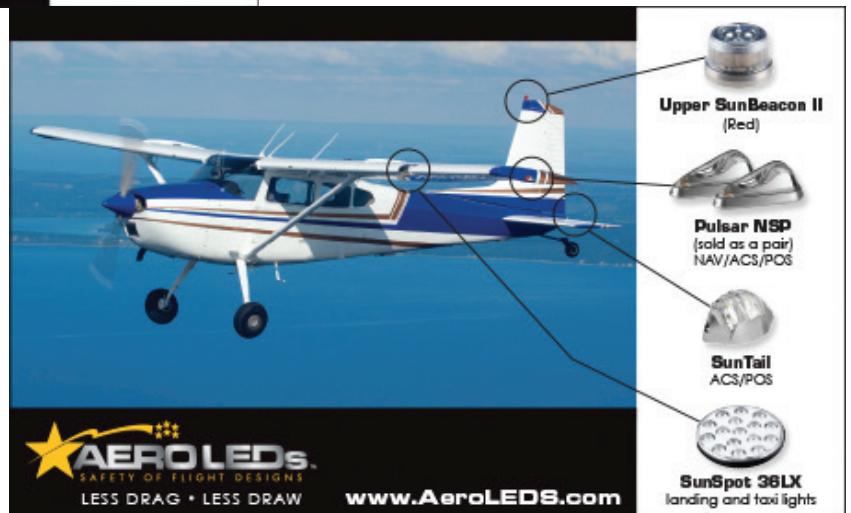
All AeroLED products are designed to be a "lifetime buy." They last over 50,000 hours when properly installed and do not degrade with on/off cycles. They are extremely rugged and hardened against all kinds of electrical damage, shock, and vibration.



Up to 7 times brighter than other LED landing lights!

PAR36 Landing Light Comparison Measured Brightness at 50 Ft.

Manufacturer	Intensity	Lumens
AeroLED	100.7	11,000
GE4509	67	1,500
Whelan Parmetheus Plus	65	1,700
Rigid Industries	50.4	3,400
Alphabeam	39.7	5,600



AeroLEDs Aircraft Lighting by Series Reference Chart

Series	Light Type	P/N	Voltage	Approval
AeroSun	Landing/Taxi/Recognition/with Pulse	01-2120	9-36V	Pending
Aerosun Vx	Landing /Taxi/Recognition/Left and Right	01-2500 (Pair)		Pending
MicroSun	Landing/Taxi/Recognition	01-1170	9-36V	EXP
MicroSun	Landing/Taxi/Recognition	01-1170-A	14 & 28	EXP
Pulsar	Nav/Position/Strobe/12Volt/Red and Green	11-1100-12		TSO
Pulsar	Nav/Position/Strobe/24Volt/Red and Green	11-1100-24		TSO
Pulsar N	Nav/Left/12V/Red and Green	11-1280-A-12-L		TSO
Pulsar N	Nav/Right/12V/Red and Green	11-1280-A-12-R		TSO
Pulsar N	Nav/Left/24V/Red and Green	11-1280-A-24-L		TSO
Pulsar N	Nav/Right/24V/Red and Green	11-1280-A-24-R		TSO
Pulsar NS	Nav/Strobe/12V/Left/Red and Green	11-1280-B-12-L		TSO
Pulsar NS	Nav/Strobe/12V/Right/Red and Green	11-1280-B-12-R		TSO
Pulsar NS	Nav/Strobe/Left/24V/Red and Green	11-1280-B-24-L		TSO
Pulsar NS	Nav/Strobe/Right/24V/Red and Green	11-1280-B-24-R		TSO
Pulsar NS	Nav/Strobe/12Volt/Left/Red and Green	01-1280-B-12-L		EXP
Pulsar NS	Nav/Strobe/12Volt/Right/Red and Green	01-1280-B-12-R		EXP
Pulsar NS	Nav/Strobe/24Volt/Left/Red and Green	01-1280-B-24-L		EXP
Pulsar NS	Nav/Strobe/24Volt/Right/Red and Green	01-1280-B-24-R		EXP
Pulsar NSP	Nav/Position/Strobe/12Volt/Right/Red and Green	01-1280-C-12-L		EXP
Pulsar NSP	Nav/Position/Strobe/12Volt/Right/Red and Green	01-1280-C-12-R		EXP
Pulsar NSP	Nav/Position/Strobe/24Volt/Right/Red and Green	01-1280-C-24-L		EXP
Pulsar NSP	Nav/Position/Strobe/24Volt/Right/Red and Green	01-1280-C-24-R		EXP
Pulsar NSP	Nav/Strobe/Position/Left/12V/Red and Green	11-1280-C-12-L		TSO
Pulsar NSP	Nav/Strobe/Position/Right/12V/Red and Green	11-1280-C-12-R		TSO
Pulsar NSP	Nav/Strobe/Position/Left/24V/Red and Green	11-1280-C-24-L		TSO
Pulsar NSP	Nav/Strobe/Position/Right/24V/Red and Green	11-1280-C-24-R		TSO
SunBeacon II	Beacon/Red/12V	11-2200-A-12		TSO
SunBeacon II	Beacon/Red/24V	11-2200-A-24		TSO
SunBeacon II	Beacon/White/12V	11-2200-B-12		TSO
SunBeacon II	Beacon/White/24V	11-2200-B-24		TSO
SunBeam	Landing/Taxi/Recognition	90-1000	9-36V	FAA-PMA
SunRay Plus	Landing w/Recognition	01-1150	9-36V	EXP
SunSpot 36-4313	Landing	01-1030-4313	14V	FAA-PMA
SunSpot 36-4313	Landing w/Pulse	01-1030-4313-H	14V	FAA-PMA
SunSpot 36-4314	Taxi	01-1030-4314	14V	FAA-PMA
SunSpot 36-4314	Taxi w/Pulse	01-1030-4314-H	14V	FAA-PMA
SunSpot 36-4587	Taxi	01-1030-4587	28V	FAA-PMA
SunSpot 36-4587	Taxi w/Pulse	01-1030-4587-H	28V	FAA-PMA
SunSpot 36-4596	Landing	01-1030-4596	28V	FAA-PMA
SunSpot 36-4596	Landing w/Pulse	01-1030-4596-H	28V	FAA-PMA
SunSpot 36HX	Taxi w/Recognition	01-1030-H-B	9-36V	FAA-PMA
SunSpot 36HX	Landing w/Recognition	01-1030-H-A	9-36V	FAA-PMA
SunSpot 36LX	Taxi	01-1030-L-B	9-36V	FAA-PMA
SunSpot 36LX	Landing	01-1030-L-A	9-36V	FAA-PMA
SunSpot 46	Landing w/Recognition	01-2130-HX	9-36V	FAA-PMA
SunSpot 46	Landing	01-2130-LX	9-36V	FAA-PMA
SunSpot 46-4554	Taxi	01-2230-4554	28V	FAA-PMA
SunSpot 46-4554	Taxi w/Pulse	01-2230-4554-H	28V	FAA-PMA
SunSpot 46-4580	Landing	01-2230-4580	28V	FAA-PMA
SunSpot 46-4580	Landing w/Pulse	01-2230-4580-H	28V	FAA-PMA
SunSpot PCx	Taxi	900-01-100-C		FAA-PMA
SunSpot PCx	Landing	900-01-100-A		FAA-PMA
SunTail	Position/Strobe/12V	01-1260-12		EXP
SunTail	Position/Strobe/24V	01-1260-24		EXP
SunTail	Position/Strobe/12V	11-1260-12		TSO
SunTail	Position/Strobe/24V	11-1260-24		TSO

Lighting

Sunspot FAA-PMA/STC Landing and Taxi Lights

Drop-in replacement for PAR36/PAR46 lights

Almost twice the light for 1/3 the power!

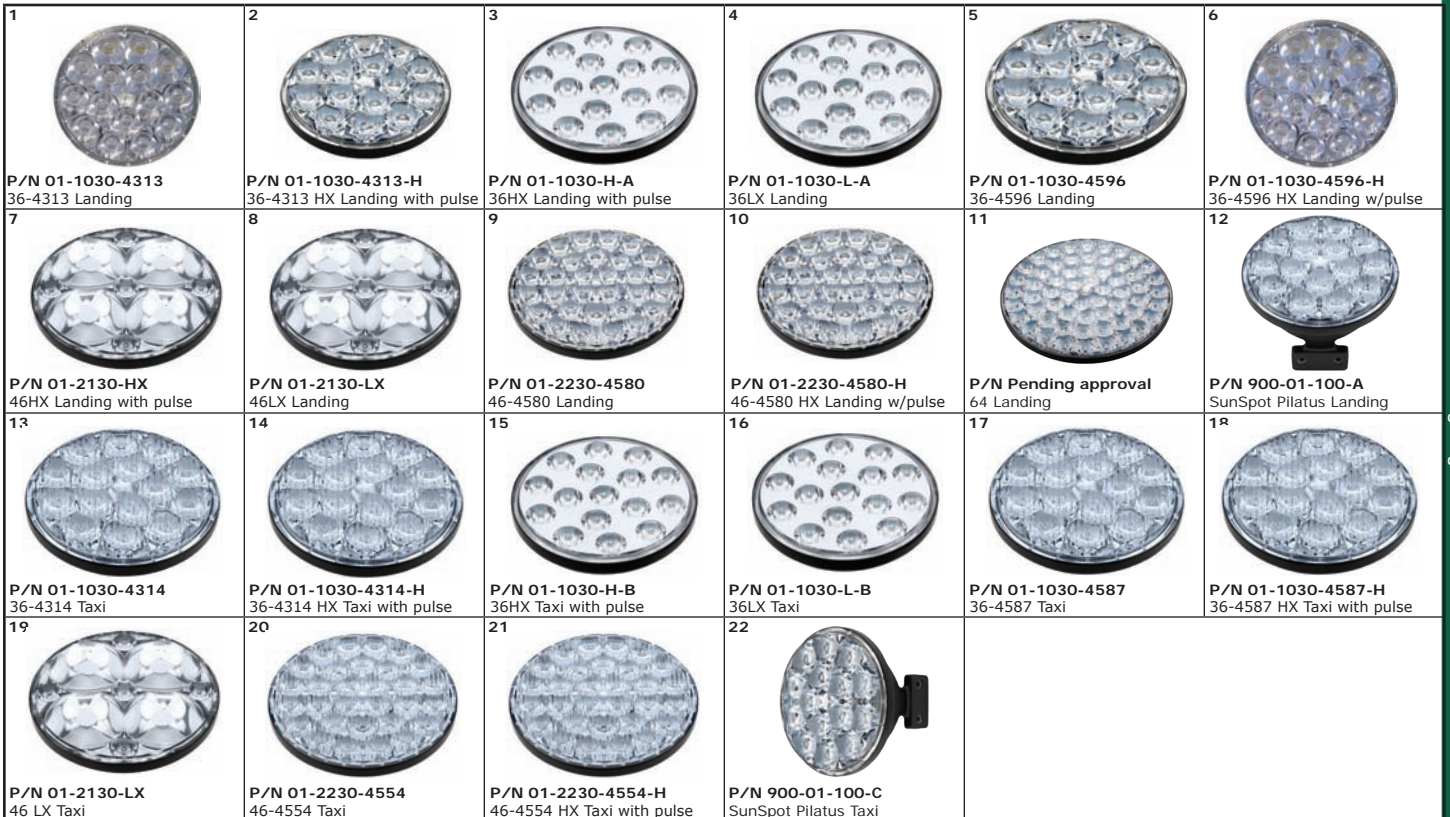
- Huge power savings
- Light weight
- Less heat
- Whiter light - more like daylight
- Improved safety with pulse recognition mode
- Long life - over 50,000 hours!
- FAA certified

Pulse Recognition Mode

AeroLED lights have a built-in pulse mode to greatly improve safety by alternately blinking the left then right light once per second. All landing light products with pulse can be wired to synchronize in unison or wig-wag to create an alternating flashing pattern for enhanced in flight visibility regardless of model while dramatically increasing visibility to prevent both air and ground collisions. At least one 36HX or 46HX series light must be installed to enable pulse mode. If you have an existing pulse system (pulse light) you don't need to purchase the pulse feature.

Description	P/N	Certification	Figure	Watts	Voltage	Lumens	Weight	Dimensions
Landing								
36-4313 Landing New!	01-1030-4313	FAA-PMA/STC	1	95	14 V	11,000	11.5 oz	4.4" x 4.4" x 2.1"
36-4313 HX Landing with Pulse New!	01-1030-4313-H	FAA-PMA/STC	2	95	14 V	11,000	11.5 oz	4.4" x 4.4" x 2.1"
36HX Landing with Pulse	01-1030-H-A	FAA-PMA/STC	3	45	9-36 VDC	4,950	10.1 oz	4.4" x 4.4" x 1.9"
36LX Landing	01-1030-L-A	FAA-PMA/STC	4	45	9-36 VDC	4,950	10.1 oz	4.4" x 4.4" x 1.9"
36-4596 Landing	01-1030-4596	FAA-PMA/STC	5	100	28 V	11,000	11.5 oz	4.4" x 4.4" x 2.1"
36-4596 HX Landing with Pulse New!	01-1030-4596-H	FAA-PMA/STC	6	100	28 V	11,000	11.5 oz	4.4" x 4.4" x 2.1"
46HX Landing with Pulse	01-2130-HX	FAA-PMA/STC	7	70	9-36 VDC	7,700	20.0 oz	5.6" x 5.6" x 1.7"
46LX Landing	01-2130-LX	FAA-PMA/STC	8	70	9-36 VDC	7,700	20.0 oz	5.6" x 5.6" x 1.7"
46-4580 Landing	01-2230-4580	FAA-PMA/STC	9	170	28 V	19,250	20.0 oz	5.6" x 5.6" x 1.7"
46-4580-HX Landing with Pulse New!	01-2230-4580-H	FAA-PMA/STC	10	170	28 V	19,250	20.0 oz	5.6" x 5.6" x 1.9"
64-4559 Landing Pending Approval!								
SunSpot PCx New!	900-01-100-A	FAA-PMA/STC	12	100	28 V	11,000	11.5 oz	4.4" x 4.4" x 2.25"
Taxi								
36-4314 Taxi New!	01-1030-4314	FAA-PMA/STC	13	95	14 V	11,000	11.5 oz	4.4" x 4.4" x 2.1"
36-4314 HX Taxi with Pulse New!	01-1030-4314-H	FAA-PMA/STC	14	95	14 V	11,000	11.5 oz	4.4" x 4.4" x 2.1"
36HX Taxi with Pulse	01-1030-H-B	FAA-PMA/STC	15	45	9-36 VDC	4,950	10.1 oz	4.4" x 4.4" x 1.9"
36LX Taxi	01-1030-L-B	FAA-PMA/STC	16	45	9-36 VDC	4,950	10.1 oz	4.4" x 4.4" x 1.9"
36-4587 Taxi	01-1030-4587	FAA-PMA/STC	17	100	28 V	11,000	11.5 oz	4.4" x 4.4" x 2.1"
36-4587 HX Taxi with Pulse New!	01-1030-4587-H	FAA-PMA/STC	18	100	28 V	11,000	11.5 oz	4.4" x 4.4" x 2.1"
46LX Taxi	01-2130-LX	FAA-PMA/STC	19	70	9-36 VDC	7,700	20.0 oz	5.6" x 5.6" x 1.7"
46-4554 Taxi	01-2230-4554	FAA-PMA/STC	20	170	28 V	19,250	20.0 oz	5.6" x 5.6" x 1.7"
46-4554 HX Taxi with Pulse New!	01-2230-4554-H	FAA-PMA/STC	21	170	28 V	19,250	20.0 oz	5.6" x 5.6" x 1.9"
SunSpot PCx New!	900-01-100-C	FAA-PMA/STC	22	100	28 V	11,000	11.5 oz	4.4" x 4.4" x 2.25"
Connector Kit								
Molex Connector Kit	KIT-0001							

Figures 1-22 Photos are not to scale relative to each other



FAA-PMA Approved

Aircraft	Landing Lights											
	36HX Landing with Pulse P/N 01-1030-H-A (PAR36)	36LX Landing P/N 01-1030-L-A (PAR36)	36-4596 Landing P/N 01-1030-4596 (PAR36)	46HX Landing with Pulse P/N 01-2130-HX (PAR46)	46HX Landing or Taxi P/N 01-2130-LX (PAR46)	64-4559 Landing (Pending Approval (PAR64)	46-4580 Landing P/N 01-2230-4580 (PAR46)	SunBeam P/N 90-1000	36-4313 Landing P/N 01-1030-4313 (PAR36)	36-4313HX Landing with Pulse P/N 01-1030-4313-H (PAR36)	36-4596HX Landing with Pulse P/N 01-1030-4596H (PAR36)	46-4580-HC Landing with Pulse P/N 01-2230-4580-H (PAR46)
FAA-PMA/STC Eligibility												
Aerostar												
PA-60-600 (600), PA-60-601 (601), PA-60-601P (601P), PA-60-602P (602P), PA-60-700P (700P)
Aviat												
A-1, A-1A, A-1B, A-1C-180, A-1C-200
AT-400, AT-400A, AT-402, AT-402A,B, AT-502, AT-502B, AT-503
Boeing												
DC3C-SC3G, DC3C-S1C3G, DC3C-S4C4G, DC3C-R-1830-90C
Beechcraft (Textron)												
19A, B19, M19A, 23, A23, A23A, A23-24, B23, C23, A24, A24R, B24R, C24R
A23-19
35-33, 35-A33, B33, C33, C33A, E33, E33A, E33C, F33, F33A, F33C, G33, 35, 35R, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, P35, S35, V35, V35A,B, 36, A36, A36TC, B36TC, G36
50, D50E-5990, 58PA, 58TCA
B50, C50, D50, D50A,B,C,D,E, E50, F50, G50, H50, J50, 95, 95-55, 95-A55, 95-B55, 95-B55A, B55B, C55, C55A, D55, D55A, E55, E55A, 56TC, A56TC, G58, 58, 58A, 58P, 58TC
60, A60, B60, 65, A65, A-65-8200, 65-80, 65-A80, 65-A80-8800, 65-B80, 65-88, 65-90, 65-A90, 70, 76, 77, C90, C90A, C90GT, 65-A90-1,2,3,4, B90, E90, H90, B95, B95A, D95A, E95, 99, 99A, A99A, B99, C99, 100, B100
A100-1, A100, A100A, A100C
200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CGT, B200CT, B200GT, B200T, 300, 300LW, B300, B300C, 1900, 1900C,D
Cessna (Textron)												
120, 140, 140A
150, 150A,B,C,D,E,F,G,H,J,K,L,M, A150K,L,M, 152, A152
170, 170A,B, 172, 172A,B,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S, P172D, R172E,F,G,H,J,K, 172RG, 175, 175A,B,C, 177, 177A,B, 177RG
180, 180A,B,C,D,E,F,G,H,J,K, 182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T, R182, T182, TR182,T182T
185, 185A,B,C,D,E, A185E,F, 188, 188A,B, A188, A188A,B, T188C, 190, 195, 195A,B, 210-5, (205), 210-5A, (205A)
206, 206H, U206, U206A,B,C,D,E,F,G, P206, P206A,B,C,D,E, TU206A,B,C,D,E,F,G, T206H, TP206A,B,C,D,E
207, 207A, T207, T207A, 208, 208B
210, 210A,B,C,D,E,F,G,H,J,K,L,L,M, P210N,R, T210F,G,H,J,K,L,M,N,R
310, 310A,B,C,D,E,F,G,H,I,J, J1,K,L,N,P,Q,R, E310H, T310P,Q,R, 320A,B,C,D,E,F, 335, 320-, 336, 337, 337A,B,C,D,E,F,G,H, F337E,F,G,H, FT337E,F,GP,HP M337B, 337D,E,F,G,H,H-SP
P337H, T337B,C, 340, 340A
401, 401A,B, 402, 402A,B,C, 404, 406, 411, 411A, 414, 414A, 421, 421A,B,C, 425, 441
Commander												
112, 112B, 112TC, 112TCA, 114, 114A,B, 500, 500A,B,S,U, 520, 560, 560-A,E,F, 680, 680E,F,FL,T,V,W, 681, 685, 690, 690A,B,C,D, 695, 695A,B
114TC, 720
Gruman (True Flight Holdings)												
AA-1, AA-1A,1B,1C, AA-5, AA-5A,B, AG-5B
Maule												
M-4, M-4S,T, M-4-180C,S,T, M-4-210, M-4-210C,S, M-5-180C, M-5-200, M-5-210C, M-5-210TC, M-5-220C
M-4C,M-4-210T, M-4-220, M-4-220C,S,T
M-5-235C, M-6-180, M-6-235, M-7-235, M-7-235A,B,C, M-7-260, M-7-260C, M-7-420AC, MT-7-235, MT-7-260, MT-7-420, MX-7-160, MX-7-180, MX-7-235, MX-7-235A,B,C, MX-7-420, MXT-7-180, MXT-7-160, MX-7-180A,B,C, MXT-7-180A, M-8-235
M-7-420A, MS-7-180AC, MX-7-160C
Mooney												
M20, M20A,B,C,D,E,F,G,J,K,L,M,R,S, M20TN, M22
Piper												
J3C-40, J3C-50, J3C-50S, J3C-65, J3C-65S, J3F-50, J3F-50S, J3F-60, J3F-60S, J3F-65, J3F-65S, J3L, J3L-S, J3L-65, J3L-65S, J4, J4A, J4A-S, J4E, PA-11, PA-11S, PA-15, PA-16, PA-16S, PA-17
PA-18, PA-18 "105", PA-18 "125", PA-18 "135", PA-18 "150", PA-18A, PA-18A "135", PA-15A "150"
PA-18AS "125", PA-18AS "135", PA-18AS "150", PA-18S, PA-18S "105", PA-18S "125", PA-18S "135"
PA-18S "150", PA-19, PA-19S, PA-20, PA-20 "115", PA-20 "135", PA-20S, PA-20S "115", PA-20S "135"
PA-22, PA-22-108,135,150,160, PA-22S-135,150,160, PA-23, PA-23-160,235,250, PA-E23-250, PA-24, PA-24-250,260,400
PA-25, PA-25-235,260
PA-28-140,150,151,160,161,180,181,201T,235,236, PA-28R-180,200,201,201T, PA-28RT-201,201T, PA-28S-160,180
PA-30, PA-31, PA-31-300,325,350, PA-31P, PA-31P-350, PA-31T, PA-31T1,T2,T3
PA-32-260,300,301, PA-32-301FT, PA-32-301T, PA-32-301XTC, PA-32R-300,301,301T, PA-32RT-300,300T, PA-32S-300
PA-34-200,200T, PA-34-220T, PA-36-285, PA-36-300, PA-36-375, PA-38-112, PA-39, PA-40, PA-44-180, PA-44-180T
Socata												
100S, 150T, 150ST, 235C,E, MS880B, MS885, MS892A-150,E-150, MS893A,E, MS894A,E, TB9,10,20,21, TB200
Viking Air Limited												
DHC-6-1,100,200,300,DHC-2 Mk.I,II,III, DHC-3
DHC-6-400
Note:												
■ P/N 01-1030-H-A is available with ProTect lens coat, USE P/N 01-1030-H-A-P. P/N 01-1030-L-A is available with ProTect lens coat, USE P/N 01-1030-L-A-P. PAR36 drop in replacement is 4.4" diameter, PAR46 drop in replacement is 5.6" diameter, PAR64 is 8.0" diameter.												

SunSpot PCx FAA-PMA/STC Landing Light

P/N 900-01-100-A

100W, DC 28V, 11,000 lm, 11.5 oz, 4.4" x 4.4" x 2.25"

Approved for Pilatus models PC-7, 9, 12, 21




SunBeam FAA-PMA Landing Light - Includes Pulse Recognition Model!

P/N 90-1000

25W, DC 9-36V, 1600+ lm, 6.2 oz, 2.8" x 4.0" x 1.4"

The SunBeam is a landing/recognition light with a 6V x 12H degree beam that is twice the light output as the SunRay Plus and has a built-in "wig-wag" or "pulse" feature. The SunBeam is FAA-PMA approved, and can replace the Whelen 70346 series 14V and 28V halogen lamps. Aircraft models that this light fits include the Diamond DA-40, the Cessna Columbia, the Liberty XL, some Cirrus models, and some Grumman models.



Aircraft	Taxi Lights									
			36HX Taxi with Pulse P/N 01-1030-H-B (PAR36)	36 LX Taxi P/N 01-1030-L-B (PAR36)	36-4587 Taxi P/N 01-1030-4587 (PAR36)	46-4554 Taxi P/N 01-2230-4554 (PAR46)	36-4314 Taxi P/N 01-1030-4314 (PAR36)	36-4314HX Taxi with Pulse P/N 01-1030-4314-H (PAR36)	36-4587HX Taxi with Pulse P/N 01-1030-4587H (PAR36)	46-4554 Taxi with Pulse P/N 01-2230-4554-H (PAR46)
FAA-PMA/STC Eligibility										
Aerostar										
PA-60-600 (600), PA-60-601 (601), PA-60-601P (601P), PA-60-602P (602P), PA-60-700P (700P)	• • • • • • • • • •									
Aviat										
A-1, A-1A, A-1B, A-1C-180, A-1C-200	• • • • • • • • • •									
Beechcraft (Textron)										
19A, B19, M19A, 23, A23, A23A, A23-24, B23, C23, A24, A24R, B24R, C24R	• • • • • • • • • •									
A23-19, 50, D50E-5990	• • • • • • • • • •									
35-33, 35-A33, B33, C33, C33A, E33, E33A, E33C, F33, F33A, F33C, G33, 35, 35R, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, P35, S35, V35, V35A,B, 36, A36, A36TC, B36TC, G36	• • • • • • • • • •									
B50, C50, D50, D50A,B,C,D,E, E50, F50, G50, H50, J50, 95, 95-55, 95-A55, 95-B55, 95-B55A, B55B, C55, C55A, D55, D55A, E55, E55A, 56TC, A56TC, G58, 58, 58A, 58P, 58TC	• • • • • • • • • •									
58PA, 58TCA, A100-1, A100, A100A, A100C	• • • • • • • • • •									
60, A60, B60, 65, A65, A-65-8200, 65-80, 65-A80, 65-A80-8800, 65-B80, 65-88, 65-90, 65-A90, 70, 76, 77, C90, C90A, C90GT, 65-A90-1,2,3,4, B90, E90, H90, B95, B95A, D95A, E95, 99, 99A, A99, A99A, B99, C99, 100, B100	• • • • • • • • • •									
200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CGT, B200CT, B200GT, B200T, 300, 300LW, B300, B300C, 1900, 1900C,D	• • • • • • • • • •									
Cessna (Textron)										
120, 140, 140A	• • • • • • • • • •									
150, 150A,B,C,D,E,F,G,H,J,K,L,M, A150K,L,M, 152, A152	• • • • • • • • • •									
170, 170A,B, 172, 172A,B,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S, P172D, R172E,F,G,H,J,K, 172RG, 175, 175A,B,C, 177, 177A,B, 177RG	• • • • • • • • • •									
180, 180A,B,C,D,E,F,G,H,J,K, 182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T, R182, T182, TR182,T182T	• • • • • • • • • •									
185, 185A,B,C,D,E, A185E,F, 188, 188A,B, A188, A188A,B, T188C, 190, 195, 195A,B, 210-5, (205), 210-5A, (205A)	• • • • • • • • • •									
206, 206H, U206, U206A,B,C,D,E,F,G, P206, P206A,B,C,D,E, TU206A,B,C,D,E,F,G, T206H, TP206A,B,C,D,E	• • • • • • • • • •									
207, 207A, T207, T207A, 208, 208B	• • • • • • • • • •									
210, 210A,B,C,D,E,F,G,H,J,K,L,L,M, P210N,R, T210F,G,H,J,K,L,M,N,R	• • • • • • • • • •									
310, 310A,B,C,D,E,F,G,H,I,J,K,L,M,N,P,Q,R, E310H, T310P,Q,R, 320A,B,C,D,E,F, 335, 320, 320-, 336, 337, 337A,B,C,D,E,F,G,H, F337E,F,G,H,	• • • • • • • • • •									
FT337E,F,G,HP M337B, 337D,E,F,G,H,H-SP	• • • • • • • • • •									
P337H, T337B,C, 340, 340A	• • • • • • • • • •									
401, 401A,B, 402, 402A,B,C, 404, 406, 411, 411A, 414, 414A, 421, 421A,B,C, 425, 441	• • • • • • • • • •									
Commander										
112, 112B, 112TC, 112TCA, 114, 114A,B, 500, 500A,B,S,U, 520, 560, 560-A,E,F, 680, 680E,F,L,T,V,W, 681, 685, 690, 690A,B,C,D, 695, 695A,B	• • • • • • • • • •									
114TC, 720	• • • • • • • • • •									
Gruman (True Flight Holdings)										
AA-1, AA-1A,1B,1C, AA-5, AA-5A,B, AG-5B	• • • • • • • • • •									
Maule										
M-4, M-4S,T, M-4-180C,S,T, M-4-210, M-4-210C,S, M-5-180C, M-5-200, M-5-210C, M-5-210TC, M-5-220C	• • • • • • • • • •									
M-4C,M-4-210T, M-4-220, M-4-220C,S,T	• • • • • • • • • •									
M-5-235C, M-6-180, M-6-235, M-7-235, M-7-235A,B,C, M-7-260, M-7-260C, M-7-420AC, MT-7-235, MT-7-260, MT-7-420, MX-7-160, MX-7-180, MX-7-235, MX-7-235A,B,C, MX-7-420, MXT-7-180, MXT-7-160, MX-7-180A,B,C, MXT-7-180A, M-8-235	• • • • • • • • • •									
M-7-420A, MS-7-180AC, MX-7-160C	• • • • • • • • • •									
Mooney										
M20, M20A,B,C,D,E,F,G,J,K,L,M,R,S, M20TN, M22	• • • • • • • • • •									
Piper										
J3C-40, J3C-50, J3C-50S, J3C-65, J3C-65S, J3F-50, J3F-50S, J3F-60, J3F-60S, J3F-65, J3F-65S, J3L, J3L-S, J3L-65, J3L-65S, J4, J4A, J4A-S, J4E	• • • • • • • • • •									
PA-11, PA-11S, PA-15, PA-16, PA-16S, PA-17	• • • • • • • • • •									
PA-18, PA-18 "105", PA-18 "125", PA-18 "135", PA-18 "150", PA-18A, PA-18A "135", PA-15A "150"	• • • • • • • • • •									
PA-18AS "125", PA-18AS "135", PA-18AS "150", PA-18S, PA-18S "105", PA-18S "125", PA-18S "135"	• • • • • • • • • •									
PA-18S "150", PA-19, PA-19S, PA-20, PA-20 "115", PA-20 "135", PA-20S, PA-20S "115", PA-20S "135"	• • • • • • • • • •									
PA-22, PA-22-108,135,150,160, PA-22S-135,150,160	• • • • • • • • • •									
PA-23, PA-23-160,235,250, PA-E23-250, PA-24, PA-24-250,260,400,	• • • • • • • • • •									
PA-25, PA-25-235,260	• • • • • • • • • •									
PA-28-140,150,151,160,161,180,181,201T,235,236, PA-28R-180,200,201,201T, PA-28RT-201,201T, PA-28S-160,180	• • • • • • • • • •									
PA-30, PA-31, PA-31-300,325,350, PA-31P, PA-31P-350, PA-31T, PA-31T1,T2,T3	• • • • • • • • • •									
PA-32-260,300,301, PA-32-301FT, PA-32-301T, PA-32-301XTC, PA-32R-300,301,301T, PA-32RT-300,300T, PA-32S-300	• • • • • • • • • •									
PA-34-200,200T, PA-34-220T, PA-36-285, PA-36-300, PA-36-375, PA-38-112, PA-39, PA-40, PA-44-180, PA-44-180T	• • • • • • • • • •									
Socata										
TB9,10,20,21, TB200, MS880B, MS885, MS894A, MS893A, MS892A-150, MS892E-150, MS893E, MS894E, 100S, 150T, 150ST, 235C,E	• • • • • • • • • •									
Viking Air Limited										
DHC-6-1,100,200,300, DHC-2 Mk.I,II,III, DHC-3	• • • • • • • • • •									
DHC-6-400	• • • • • • • • • •									
Note:										
P/N 01-1030-H-A is available with ProTect lens coat, USE P/N 01-1030-H-A-P. P/N 01-1030-L-A is available with ProTect lens coat, USE P/N 01-1030-L-A-P. PAR36 drop in replacement is 4.4" diameter, PAR46 drop in replacement is 5.6" diameter, PAR64 is 8.0" diameter										

SunSpot PCx FAA-PMA/STC Taxi Light

P/N 900-01-100-C

100W, DC 28V, 11,000 lm, 11.5 oz, 4.4" x 4.4" x 2.25"

Approved for Pilatus models PC-7, 9, 12, 21

Polaris Light Bulb Replacement

12V P/N 01-7500-7512-12 9W (1.1 oz, 1.1" x 1.3" x 2.1")

24V P/N 01-7500-7512-24 9W (1.1 oz, 1.1" x 1.3" x 2.1")

Polaris is an LED bulb replacement for incandescent position light bulbs that provide the forward red and green navigation lights. Polaris is a warm white LED that matches the spectrum of the incandescent bulb that it replaces so that the color produced through the red and green lenses is equivalent and meets the FAR and TSO color requirements for aviation red and green. The light output meets or exceeds that of the bulb that it replaces. FAA-PMA approval pending.



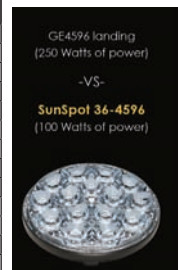
Starlight Ice Light Bulb Replacement

28V P/N 01-7079-24 6W (1.4 oz, 1.1" x 1.5" x 2.2")

LED bulb replacement must be installed in an existing approved light housing in a BAY15S socket. The StarLight LED bulb replacement is designed with a single high-power LED. Should the LED fail, the unit must be replaced. FAA-PMA/STC approved.

FAA-PMA Approved

Cross Reference for Landing Lights						AeroLEDs LED Equivalent					
Incandescent Bulb						AeroLEDs LED Equivalent					
GE Bulb #	Size	Voltage	Watts	Peak Candela	Total Lumens	Model	P/N	Voltage	Watts	Peak Candela	Total Lumens
4505	PAR36	28	50	40,000	750	SunSpot 36 LX	01-1030-L-A or 01-1030-H-A	14/28	45	65,000	4,950
4509	PAR36	14	100	110,000	1500	SunSpot 36 LX	01-1030-L-A or 01-1030-H-A	14/28	45	65,000	4,950
						SunSpot 36 HX	01-1030-4313 or 01-1030-4313-H	14	95	150,000	11,000
4313	PAR36	14	250	150,000	3750	SunSpot 36 LX	01-1030-L-A or 01-1030-H-A	14/28	45	65,000	4,950
						SunSpot 36 HX	01-1030-4313 or 01-1030-4313-H	14	95	150,000	11,000
4591	PAR36	28	100	90,000	1500	SunSpot 36 LX	01-1030-L-A or 01-1030-H-A	14/28	45	65,000	4,950
						SunSpot 36-4596 HX	01-1030-4596-H	28	100	150,000	11,000
4594	PAR36	28	100	70,000	1500	SunSpot 36 LX	01-1030-L-A or 01-1030-H-A	14/28	45	65,000	4,950
						SunSpot 36-4596 HX	01-1030-4596-H	28	100	150,000	11,000
4595	PAR36	14	100	60,000	1500	SunSpot 36 LX	01-1030-L-A or 01-1030-H-A	14/28	45	65,000	4,950
						SunSpot 36 HX	01-1030-4313 or 01-1030-4313-H	14	95	150,000	11,000
4596	PAR36	28	250	150,000	3750	SunSpot 36-4596 HX	01-1030-4596-H	28	100	150,000	11,000
4700	PAR36					SunSpot 36 HX	01-1030-4313 or 01-1030-4313-H	14	95	150,000	11,000
Q4631	PAR36	14	250	80,000	3750	SunSpot 36 LX	01-1030-L-A or 01-1030-H-A	14/28	45	65,000	4,950
						SunSpot 36 HX	01-1030-4313 or 01-1030-4313-H	14	95	150,000	11,000
Q4632	PAR36	14	250	75,000	3750	SunSpot 36 LX	01-1030-L-A or 01-1030-H-A	14/28	45	65,000	4,950
						SunSpot 36 HX	01-1030-4313 or 01-1030-4313-H	14	95	150,000	11,000
4522	PAR46	28	250	290,000	3750	SunSpot 46 LX	01-2130-LX or 01-2130-HX	14/28	70	150,000	7,700
						SunSpot 46 HX	01-2230-4580-H	28	175	250,000	19,250
4537	PAR46	14	250	200,000	3750	SunSpot 46 LX	01-2130-LX or 01-2130-HX	14/28	70	150,000	7,700
4553	PAR46	28	250	300,000	3750	SunSpot 46 LX	01-2130-LX or 01-2130-HX	14/28	70	150,000	7,700
						SunSpot 46 HX	01-2230-4580 or 01-2230-4580-H	28	175	250,000	19,250
4580 or 4581	PAR46	28	450	400,000	6750	SunSpot 46 HX	01-2230-4580 or 01-2230-4580-H	28	175	250,000	19,250
Q4681	PAR46	28	450	310,000	6750	SunSpot 46-4580	01-2230-4580 or 01-2230-4580-H	28	175	250,000	19,250
Q4566	PAR46	28	450	150,000	6750	SunSpot 46-4580	01-2230-4580	28	175	250,000	19,250
Q4567, Q4580, Q4581						SunSpot 46 HX	01-2230-4580-H	28	175	250,000	19,250
4559	PAR64	28	600	600,000	9600	SunSpot 64-4559	01-2250-4559	28	225	400,000	24,750



Cross Reference for Taxi Lights						AeroLEDs LED Equivalent					
Incandescent Bulb						AeroLEDs LED Equivalent					
GE Bulb #	Size	Voltage	Watts	Peak Candela	Total Lumens	Model	P/N	Voltage	Watts	Peak Candela	Total Lumens
4503	PAR36	14	40	11,000	640	SunSpot 36 LX	01-1030-L-B or 01-1030-H-B	14/28	45	15,000	4,950
4502	PAR36	28	50	10,000	800	SunSpot 36 LX	01-1030-L-B or 01-1030-H-B	14/28	45	15,000	4,950
4587	PAR36	28	250	40,000	4000	SunSpot 4587/HX	01-1030-4587 or 01-1030-4587-H	28	100	50,000	11,000
4589	PAR36	28	50	5,000	800	SunSpot 36 LX	01-1030-L-B or 01-1030-H-B	14/28	45	15,000	4,950
4593	PAR36	28	50	1,500	800	SunSpot 36 LX	01-1030-L-B or 01-1030-H-B	14/28	45	15,000	4,950
4626	PAR36	28	150	25,000	2400	SupSpot 4587 HX	01-1030-4587-H	28	100	50,000	11,000
						SunSpot 36 LX	01-1030-L-B or 01-1030-H-B	14/28	45	15,000	4,950
						SunSpot 36 HX	01-1030-4314 or 01-1030-4314-H	14	95	50,000	11,000
						SupSpot 4587 HX	01-1030-4587-H	28	100	50,000	11,000
4551	PAR46	28	250	75,000	4000	SunSpot 46 LX/HX	01-2230-4554 or 01-2230-4554-H	28	175	100,000	19,250
4554	PAR46	28	450	90,000	7200	SunSpot 46 LX/HX	01-2230-4554 or 01-2230-4554-H	28	175	100,000	19,250
4570	PAR46	28	150	32,000	2400	N/A					
4571	PAR46	28	150	7,000	2400	N/A					
4572						SunSpot 46 HX	01-2230-4554-H	28	175	100,000	19,250
4582	PAR46	28	450	20,000	7200	SunSpot 46 LX Taxi	01-2230-4554	28	175	100,000	19,250
Q4629	PAR46	28	250	20,000	4000	N/A					
Q4551, Q4554, Q5551, Q5554, Q4554, Q4597, Q4598						SunSpot 46 LX/HX	01-2230-4554 or 01-2230-4554-H	28	175	100,000	19,250



Landing and Taxi Lights for Non-Certified Aircraft

Includes Pulse Recognition Mode!

SunRay Plus

P/N 01-1150

10W, DC 9-36V, 1000+ lm, 4.5 oz, 4.0" x 2.8" x 1.1"

The SunRay Plus is a landing/recognition light with a 6° beam that has a built-in "wig-wag" or "pulse" feature.



AeroSun

P/N 01-2120

36 W, DC 9-36V, 1200+ lm, 8 oz, 2.3" x 5.0" x 1.5"

The AeroSun can be seen miles away in broad daylight especially while in the built-in "wig-wag" or "pulse" feature.

It has been designed as a landing, taxi and recognition light that was designed for the leading edge, wingtip cutout or landing gear on an aircraft.



AeroSun Vx

P/N 01-2500

60W per light, DC 9-36V, 5000+ lm per light, 31 oz, 5.7" x 6.4" x 3.8"

The AeroSun Vx was designed for the Vans RV 7, 8, 9, 10 and 14 wingtips as a landing, taxi and recognition light. The Vx offers separate taxi, landing light circuits and has a built-in "wig-wag" or "pulse" feature. Sold as a pair.



MicroSun

P/N 01-1170

21W per light, DC 9-36V, 1500+ lm per light, 3.6 oz, 2.0" x 1.9" x 2.0"

The MicroSun is a small compact light that projects a lot of light and was designed as a landing, taxi and recognition light. The MicroSun can be installed in the leading edge, wingtip cutout, landing gear or in the cowl on an aircraft and has a built-in "wig-wag" or "pulse" feature.



P/N 01-1170-A

24W per light, DC 9-36V, 2640 lm per light, 2.2 oz, 3.1" x 1.9" x 0.9"

Accessories

Connector Pin Crimpers **P/N 02-1000**

20 AGW, 3 C Tefzel Shielded Wire (25 ft spools) **P/N 00-8664**

AeroSun Mount Kit **P/N KIT-0012**, SunRay Plus Mount Kit **P/N KIT-0035**

Lighting

Pulsar Navigation/Position/Strobe Lights

High Efficiency, Low Drag

Streamlined design takes advantage of the small size of LED light sources to create an aerodynamic profile that produces less drag than traditional Xenon strobe housings.

Differences between the Pulsar NS and the Pulsar NSP

The Pulsar NS has a forward red or green navigation light, and a strobe that covers 180° from each wing tip. The Pulsar NSP are the same as the Pulsar NS but also have a rear white position light.

Pulsar (9.5 oz, 5.6" x 1.9" x 1.5")

Sold as a pair

TSO P/N 11-1100-12 (12V), 11-1100-24 (24V)

17W, DC 9-36V

The Pulsar (Navigation/Anti-collision Strobe/Position) wingtip lights are designed to be installed on the wingtips of an aircraft where the navigation (red and green) and position (white) lights can be seen to determine the direction of the aircraft.



Pulsar N (6.6 oz, 4.0" x 1.9" x 1.5")

TSO P/N 11-1280-A-12 (12V), 11-1280-A-24 (24V)
add -L (Left) or -R (Right)

5.6W, DC 9-36V, lumens exceed TSO candela

requirements. The Pulsar N (Navigation) lights are designed to be installed on the wingtips or in the wingtip cut outs of an aircraft. The Pulsar N provides forward facing red/green lights.



Pulsar NS (6.6 oz, 4.0" x 1.9" x 1.5")

TSO P/N 11-1280-B-12 (12V), P/N 11-1280-B-24 (24V)

add -L (Left) or -R (Right)

15W, DC 9-36V, lumens exceed TSO candela requirements,

EXP P/N 01-1280-B-12 (12V), P/N 01-1280-B-24 (24V)

add -L (Left) or -R (Right)

18W, DC 9-36V

The Pulsar NS (Navigation and Anti-collision Strobe) lights are designed to be installed on the wingtip or in the wingtip cut outs of an aircraft. The SunTail (Anti-collision Strobe and Position) light for the tail of the aircraft is recommended with the Pulsar NS lights. The strobes on the SunTail and Pulsar NS lights will sync to strobe together.

Pulsar NSP (6.6 oz, 4.0" x 1.9" x 1.5")

TSO P/N 11-1280-C-12 (12V), P/N 11-1280-C-24 (24V)

add -L (Left) or -R (Right)

17W, DC 9-36V, lumens exceed TSO candela requirements,

EXP P/N 01-1280-C-12 (12V), P/N 01-1280-C-24 (24V)

add -L (Left) or -R (Right)

The TSO'd Pulsar NSP (Navigation/Anti-collision Strobe/Position) wingtip lights are designed to be installed on the wingtips of an aircraft where the navigation (red and green) and position (white) lights can be seen to determine the direction of the aircraft.

SunTail (2.6 oz, 2.2" x 1.7" x 1.4")

TSO P/N 11-1260-12 (12V), P/N 11-1260-24 (24V)

12W, DC 9-36V, lumens exceed TSO candela requirements,

EXP P/N 01-1260-12 (12V), P/N 01-1260-24 (24V) Navigation/Position/Strobe

SunBeacon II (4.1 oz, 2.5" x 2.5" x 1.5")

TSO P/N 11-2200-A-12 (12V), P/N 11-2200-A-24 (24 Volt) (Red Beacon) 12W, DC 9-36V, TSO-C96A Class II

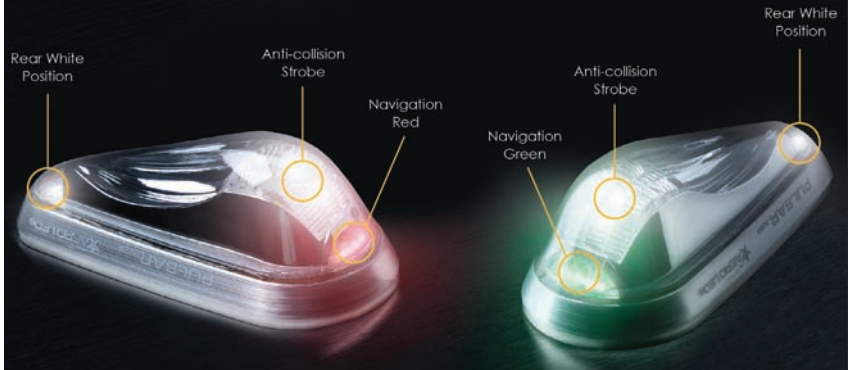
TSO P/N 11-2200-B-12 (12V), P/N 11-2200-B-24 (24 Volt) (White Beacon) 12W, DC 9-36V, TSO-C96A Class II

The compact SunBeacon II is a direct replacement for the standard beacon.

It is available in solid red or white. A mount bracket is optional.

Pulsar NS Series Comparison Chart

NAVIGATION / ANTI-COLLISION STROBE / POSITION



	Pulsar N	Pulsar NS	Pulsar NSP
Features	Navigation Red Position Navigation Green Position	Navigation Red Position Navigation Green Position + Anti-Collision Strobe	Navigation Red Position Navigation Green Position + Anti-Collision Strobe + Rear White Position
Recommended Application	<ul style="list-style-type: none"> • Helicopter Nav Lights • Leading Edge • Wing Tip Inserts 	<ul style="list-style-type: none"> • Leading Edge • Wing Tip Inserts (SunTail is recommended for the rear position/strobe)	<ul style="list-style-type: none"> • Edge of Wing Tip (Recommended for where rear position is visible from behind)



FAA-PMA Approved

Quasar Cx LED Lighted Wing Tips

Integrated LED Landing lights with pulse recognition mode

- FAA-PMA/STC approved
- Brighter than any other product on the market
- Works with existing cowl mounted lights
- Recognition mode integrated into the light assembly
- No additional light controllers required
- Enhanced in flight recognition of the aircraft
- Accommodates legacy nav/strobe lights but optimized for use with AeroLED navigation/strobe lighting



This all new wing tip lighting package brings the latest technology in LED lighting to the general aviation market with integrated landing, taxi, and recognition modes. The package is brighter than any other product on the market including other PAR36 LED and HID lighting solutions.

Recognition mode is integrated into the light assembly and does not require any additional light controllers to flash the LED lights. This mode of operation dramatically enhances in flight recognition of the aircraft therefore reducing the possibilities of mid-air collisions.

The built-in mounting location for the nav/strobe assembly is designed to accommodate legacy nav/strobes but is optimized for use with the AeroLED Pulsar NSP LED nav/strobes.

The wing tips are built by Stene Aviation using the latest resins and aviation grade E-glass weaves to insure the highest quality of part.

Optional Installation Kit

P/N INSTALL14V 14v Installation Kit

P/N INSTALL28V 28v Installation Kit

Contains all hardware required for installation including shielded wire, all connectors, switches, and breaker. One kit required per aircraft.



Lighted Wing Tip Kit P/N SA-0523565-2930LL

Aircraft
150, 150A,B,C,D,E,F,G,H,J,K,L,M, A150L,M
152, A152
170, 170A,B
172, 172A,B,C,D,E,F,G,H,I,K,L
F172D,E,F,G,H,K,L
FP172D, P172D
175, 175A,B,C
180, 180A,B,C,D,E,F,G,H
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N
185, 185A,B,C,D,E, A185E
210-5 (205), 210-5A (205A)
206, U206, U206A,B,C,D,E, TU206A,B,C,D,E
P206, P206A,B,C,D, TP2006A,B,C,D, P206E, TP206E
207, 207A, T207, T207A
210, 210A,B,C,D,E,F, T210F

Lighted Wing Tip Kit P/N SA-0723200-56LL

172M,N,P,Q,R,S, 172RG, R172K
F172,M,N,P
180J,K
182P,Q,R,S, R182, TR182, T182
182T, T182T, F182P,Q, FR182
A185F
U206F,G, TU206F,G, 206H, T206H

Wing Tip Types	Integrated Operational Modes	Multi-Voltage Operation	Power (Watts)	Lumens	Candela	Recognition Wig-Wag Mode
Quasar Cx LED lighted wing tips	Landing	Yes, 14/28v	190	17,000+	300,000+	Built-in
	Taxi		38	3,500	26,000+	
	Recognition		95	8,500+	150,000+	
Whelen PAR36 LED lighted wing tips	None		38	3496	120,000	No
HID lighted wing tips	None		70	6440	250,000	No

Stene Wing Tips for AeroLED Lighting

Optimized for use with AeroLED Pulsar LED navigation/strobe lighting

The wing tips are built by Stene Aviation using the latest resins and aviation grade E-glass weaves to insure the highest quality of part.



Polaris Light Bulb Replacement

(1.1 oz, 1.1" x 1.3" x 2.1")

12V P/N 01-7500-7512-12 9W

24V P/N 01-7500-7512-24 9W

Polaris is an LED bulb replacement



for incandescent position light bulbs that provide the forward red and green navigation lights. Polaris is a warm white LED that matches the spectrum of the incandescent bulb that it replaces so that the color produced through the red and green lenses is equivalent and meets the FAR and TSO color requirements for aviation red and green. The light output meets or exceeds that of the bulb that it replaces. FAA-PMA approval pending.

Accessories

Description	Figure	P/N
Connector pin crimpers	1	02-1000
20 AGW, 3 C Tefzel Shielded Wire (25 ft spools)	N/A	00-8664
NS Mount Kit (Single kit)	4	KIT-0008
SunBeacon II Twist Mount Kit	7	01-1096
Synchronizer	5	00-8120
ProTech Lens Cover Sunspot 36	9	KIT-0003
Mount Kit, Aerosun	2	KIT-0012
ProTech Lens Cover Sunspot 46	9	KIT-0013
RV KIT Pulsar NS, SunTail	8	KIT-0016
RV KIT Pulsar NS, SunTail, 2 AeroSun	8	KIT-0017
RV KIT Pulsar NS, SunTail, 2 SunRay Plus	N/A	KIT-0018
RV KIT Pulsar Exp, 2 AeroSuns	N/A	KIT-0019
Light Bulb, Replacement Starlight 28V	N/A	01-7079-24
Mount Kit, Sunray Plus	6	KIT-0035

Lighting Accessories from



	LH	RH
SA-0523565-29LED	•	•
SA-0723200-5LED	•	•
SA-0523565-30LED	•	•
SA-0723200-6LED	•	•

Aircraft	LH	RH
150, 150A,B,C,D,E,F,G,H,J,K,L,M, A150L,M	•	•
152, A152	•	•
170, 170A,B	•	•
172, 172A,B,C,D,E,F,G,H,I,K,L	•	•
172M,N,P,Q,R,S, 172RG, R172K	•	•
175, 175A,B,C	•	•
180, 180A,B,C,D,E,F,G,H	•	•
180J,K	•	•
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N	•	•
182P,Q,R,S, R182, TR182, T182	•	•
185, 185A,B,C,D,E, A185E	•	•
A185F	•	•
210-5 (205), 210-5A (205A)	•	•
206, U206, U206A,B,C,D,E, TU206A,B,C,D,E	•	•
U206F,G, TU206F,G, 206H, T206H	•	•
P206, P206A,B,C,D, TP2006A,B,C,D	•	•
207, 207A, T207, T207A	•	•
210, 210A,B,C,D,E,F, T210F	•	•

1 P/N 02-1000 	2 P/N KIT-0012 	3 Coming Soon!
4 P/N KIT-0008 	5 P/N 00-8120 	6 P/N KIT-0035
7 P/N 01-1096 	8 P/Ns KIT-0016 and KIT-0017 	9 P/N KIT-0013