



Part 27 Instructions for Continued Airworthiness (ICA)

INCLUDING INSTALLATION INSTRUCTIONS

SunSpot 36 AND 46 LANDING AND TAXI LIGHTS INSTALLED ON AIRCRAFT LISTED IN
APPROVED MODEL LIST, ST-20-502-01-1



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Approval	Name	Intent	
Author	Ryan Edmark	Installation and Operation Instructions for the Sunspot 36 and 46 series lights.	
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IR	Initial Revision	12/01/2020	R. Edmark
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Please visit www.aeroleds.com to verify the revision is current.

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1 System Description

SunSpot™ 36 and 46 Landing and Taxi lights are designed as LED drop-in replacements for existing PAR36 and PAR46 light configurations. The AeroLEDs SunSpot™ lights are designed to provide a wide beam pattern at an increased intensity with full-scale color rendering. The standard configuration for both SunSpot™ 36 and 46 lights is a two terminal light only. Some models include an integrated Pulse/WigWag mode to significantly increase recognition, versions with that feature include an (H) in the part number.

2 Model Numbers

Table 1

Model	Part Number	Description	Voltage (V)	Current (Amps)	Power (W)	Weight* (ounces)
SunSpot 36LX	01-1030-L-A	Landing	9-40	3.2 @ 14V	45	10.1
SunSpot 36HX	01-1030-H-A	Landing w/ Pulse				
SunSpot 36LX	01-1030-L-B	Taxi				
SunSpot 36HX	01-1030-H-B	Taxi w/ Pulse				
SunSpot 36-4313	01-1030-4313	Landing	14	6.8 @ 14V	95	11.5
	01-1030-4313-H	Landing w/Pulse				
SunSpot 36-4314	01-1030-4314	Taxi				
	01-1030-4314-H	Taxi w/Pulse				
SunSpot 36-4587	01-1030-4587	Taxi	28	3.6 @ 28V	100	
	01-1030-4587-H	Taxi w/Pulse				
SunSpot 36-4596	01-1030-4596	Landing				
	01-1030-4596-H	Landing w/Pulse				
SunSpot 46-4522	01-2230-4522	Landing	14	10.2 @ 14V	140	20
SunSpot 46-4554	01-2230-4554	Taxi	28	6.3 @ 28V	175	
	01-2230-4554-H	Taxi w/Pulse				
SunSpot 46-4580	01-2230-4580	Landing				
	01-2230-4580-H	Landing w/Pulse				
SunSpot 46-4582	01-2230-4582	Flood				

* Verify no appreciable affect to weight and balance after installation of LED lights.

2.1 SunSpot LED Landing and Taxi Light Cross Reference

Table 2

INCANDESCENT LANDING LIGHT BULBS						AeroLEDs FAA PMA CERTIFIED LANDING LIGHTS					
Size	Voltage	Model *	Watts	Candela	Lumens	Model	Part #	Voltage	Watts	Candela	Lumens
PAR36	14	GE 4509	100	60,000	1,500	SunSpot 36	01-1030-L-A	9-36V	45	65,000	4,950
		GE 4595									
		Q4632	250	75,000	3,750	SunSpot 36-4313	01-1030-4313	14	100	150,000	11,000
		H7604	50	50,000	750	SunSpot 36	01-1030-L-A	9-36V	45	65,000	4,950
		GE 4700	100	75,000	1,500						
		GE 4313	250	90,000	3,750	SunSpot 36-4313	01-1030-4313	14	100	150,000	11,000
	Q4631	80,000									
	28	250	Q5587	150,000	40,000	3,750	SunSpot 36-4596	01-1030-4596	28	100	150,000
GE 4596			90,000		3,750						
GE 5596			3,750								
Q5596			3,750								
PAR46	14	GE 4522	250	290,000	3,750	SunSpot 46-4522	01-2230-4522	14	140	180,000	15,400
	28	GE 4553	250	300,000	6,750	SunSpot 46-4580	01-2230-4580	28	175	250,000	19,250
		GE 4566	450	150,000							
		GE 4580		400,000							
		GE 4581		400,000							
		Q4681		310,000							
Q4566	150,000										

Note:

1. The Incandescent model numbers listed in the table above represent the most common PAR36 and PAR46 landing lights installed on Part 27 aircraft. The SunSpot 36 and 46 lights may be substituted for other incandescent or halogen lamp part numbers by selecting the appropriate size, function, and voltage from the table.
2. All AeroLEDs part numbers listed in the above table may be substituted with the pulse version of the light except SunSpot 46-4522 (See Table 1)



Table 3

INCANDESCENT TAXI LIGHT BULBS						AeroLEDs FAA PMA CERTIFIED TAXI/FLOOD LIGHTS					
Size	Voltage	Model *	Watts	Candela	Lumens	Model	Part #	Voltage	Watts	Candela	Lumens
PAR36	14	GE 4503	40	11,000	640	SunSpot 36	01-1030-L-B	9-36V	45	15,000	4,950
		GE 4502	50	10,000	800						
		GE 4505		45,000							
		GE 4589		5,000							
		GE 4593		1,500							
	28	GE 4591	100	20,000	1,500	SunSpot 36-4587	01-1030-4587	28	100	50,000	11,000
		GE Q4591									
		GE 4594									
		GE 4587	250	40,000	4,000						
		GE 4626	150	30,000	2,400						
GE 4627	100	3,000	1,600								
GE Q5587	250	40,000	6,750								
PAR46	28	GE 4570	150	32,000	2,400	SunSpot 46-4554	01-2230-4554	28	175	100,000	19,250
		GE 4571		7,000							
		GE 4572		4,500							
		GE 4551	250	75,000	4,000						
		GE Q4551		60,000							
		Q454	450	90,000	7,200						
		GE Q5554		70,000							
		GE 4582		20,000							

Note:

1. The Incandescent model numbers listed in the table above represent the most common PAR36 and PAR46 taxi lights installed on Part 27 aircraft. The SunSpot 36 and 46 lights may be substituted for other incandescent or halogen lamp part numbers by selecting the appropriate size, function, and voltage from the table.
2. All AeroLEDs part numbers listed in the above table may be substituted with the pulse version of the light (See Table 1)



2.2 Modes of operation (pulse models only)

Table 4

Mode	Switch Position	Mode	Switch Position	Function
Pulse	Open	Landing	Open	Light OFF
	Open		Closed	Landing
	Closed		Open	Pulse
	Closed		Closed	Pulse

Note: Refer to §5 Wiring Diagrams

2.3 Current consumption per input

Table 5

Model	Part Number	Modes	Inputs				
			PWR 14VDC*	GND	YLW	BLU	GRN
SunSpot 36LX	01-1030-L-A	Landing Only	3.2A	3.2A	NA		
SunSpot 36HX	01-1030-H-A	Landing Mode	3.2A		NA	≤10mA	
		Pulse Mode	NA		3.2A		
SunSpot 36LX	01-1030-L-B	Taxi Only	3.2A		NA		
SunSpot 36HX	01-1030-H-B	Taxi Mode	3.2A		NA	≤10mA	
		Pulse Mode	NA		3.2A		
SunSpot 36-4313	01-1030-4313	Landing Only	6.8A	6.8A	NA		
	01-1030-4313-H	Landing Mode	6.8A		NA	≤10mA	
		Pulse Mode	NA		6.8A		
SunSpot 36-4314	01-1030-4314	Taxi Only	6.8A		NA		
	01-1030-4314-H	Landing Mode	6.8A		NA	≤10mA	
		Pulse Mode	NA		6.8A		
			28VDC*				
SunSpot 36-4587	01-1030-4587	Taxi Only	3.6A	3.6A	NA		
	01-1030-4587-H	Landing Mode	3.6A		NA	≤10mA	
		Pulse Mode	NA		3.6A		
SunSpot 36-4596	01-1030-4596	Landing Only	3.6A		NA		
	01-1030-4596-H	Landing Mode	3.6A		NA	≤10mA	
		Pulse Mode	NA		3.6A		
SunSpot 46-4522	01-2230-4522	Landing Only	10.2A	10.2A	NA		
SunSpot 46-4554	01-2230-4554	Taxi Only	6.3A	6.3A	NA		
	01-2230-4554-H	Landing Mode	6.3A		NA	≤10mA	
		Pulse Mode	NA		6.3A		
SunSpot 46-4580	01-2230-4580	Taxi Only	6.3A		NA		
	01-2230-4580-H	Landing Mode	6.3A		NA	≤10mA	
		Pulse Mode	NA		6.3A		
SunSpot 46-4582	01-2230-4582	Flood Only	6.3A	NA			

*Nominal

3 Airworthiness Limitations

The Airworthiness Limitations Section is FAA approved and specifies inspections and other maintenance required under 14 CFR §§ 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

4 Instructions for Continued Airworthiness

Sunspot series LED landing or taxi light assembly contains no user serviceable items. Should any LED fail, unit must be replaced.

Table 6

Interval	Description
50 hr* .	<ul style="list-style-type: none">• Perform functional check on light(s)• Replace components as required
100 hr.	<ul style="list-style-type: none">• Perform functional check on light(s)• Inspect for discoloration of lens• Inspect mounting for security• Inspect all connectors for good engagement• Inspect wiring for chaffing / defects• Replace components as required
Annually	--SAME AS 100 HOUR--

*In the event of a **hard landing** or **lightning strike** perform 50hr inspection to ensure no damage has occurred to the LED light.

4.1 Installation

Consult **AC 43.13-1B Ch 11** for guidance on acceptable methods, techniques, and practices. Mount in approved bulb holder. For retrofit installation existing circuit breaker or fuse may typically be used. Procedures contained herein are not intended to conflict with procedures set forth by aircraft OEM, nor do they supersede FAA approved manuals and FAA regulations.

4.2 Installation Procedures

1. Reference the airframe manufacturer's maintenance manual to complete the following steps
Note: SunSpot 36 and 46 lights included in this STC are drop-in replacements for PAR36 and PAR46 legacy bulbs.
2. If the AeroLEDs light(s) chosen for installation are a different wattage than the light(s) being removed, ensure the Electrical Load is not appreciably affected and ensure that all circuit components (circuit breaker, wire, switches, relays, etc., as applicable) are appropriate for the light(s) being installed.
 - a. Prepare aircraft for maintenance:
 - b. Disconnect aircraft power and ground
 - c. Ensure all switches are in the OFF position
 - d. Attach maintenance warning tags
 - e. Pull landing/taxi light circuit breakers
 - f. Remove light covers to gain access to lamp assembly(s) and bracket(s)
 - g. Remove existing lamp(s) from brackets, mark and retain hardware

- h. Record weight of removed lamps
3. This installation procedure is for single or multiple light installations. Wiring diagrams are provided for single, dual, and quad light installations. For lights without pulse, existing aircraft wiring, switches and breakers may be utilized.
 4. **Versions with Pulse:** Pulse function is a self-contained feature and does not require use of external control circuitry. If you are adding a pulse light to an aircraft that does not have a pulse function (i.e. a pulse box), the installer would need to run the appropriate wiring and add the appropriate switch to enable this function. This STC approves adding this function only if the following criteria is met:
 - The wiring used must be contained in the table of acceptable wires found in FAA Advisory Circular 43.13-1B, Section 7 (Table of Acceptable Wires), pages 11-39 through 11-41.
 - The switch used must be an aviation switch added to a switch panel or console. The switch must contain a placard that identifies the operation of that switch as a “pulse operation” for the light. This STC does NOT allow the replacement of the switch on any flight controls. Reference FAA Advisory Circular 43.13-1B, Chapter 11, Section 4, Paragraph 11-53 (page 11-16).
 - Any other items used must be aviation grade items that are standard for adding avionics and/or other aircraft features.
 - Follow guidance in FAA Advisory Circular 43.13-1B, Chapter 11 for installation to include but not limited to wire routing, bundling, clamping, and separation.
 5. Refer to aircraft manufacturer’s service manual and/or illustrated parts catalog to identify landing and/or taxi light system installed in your aircraft. This will provide information on location of components and assembly details
 6. Mount LED light with a minimum 4-inch clearance to exhaust system components unless adequate heat shielding is utilized to block radiant heat.
 7. Reference airframe manufacturer’s current maintenance manual and install LED light(s) in brackets using retained hardware
 8. Ensure alignment key is fitted to bracket
 9. Install suitable aircraft approved connectors or splices to connect landing light assemblies to wires routed from switch in accordance with wiring diagram(s).
 10. Screw terminals are not polarity sensitive
 - a. Yellow wire is used to power pulse mode (see Table 5)
 - b. Blue and green wires are low current signals for synchronization in two and four light installations (see Table 5)
 - c. Install an appropriate aircraft approved switch and circuit breaker of correct rating for lights installed for pulse function. Original landing light switch/switches may be used.
 11. Placard switches appropriately.
 12. Verify proper operation of LED light(s), in both pulsing and steady functions (as appropriate to installation)
 13. Using appropriate aircraft maintenance manual, verify light angle has not changed, and is oriented & aimed in accordance with manufacturer’s instructions
 14. Reinstall associated light hardware IAW aircraft maintenance manual
 15. Perform an operational check of the light(s) to determine that the installed light(s):
 - a. Generate no objectionable glare to the pilot
 - b. Do not adversely affect the pilot by halation
 - c. Provide enough light for night operations, including hovering and landing
 - d. Will not adversely affect any installed systems or equipment with EMI/RFI interference

16. Record installation with appropriate logbook entry

Note: The use of shielded cable is recommended although not required for installation.

It is recommended that ground connections for all lights be made at a single location on aircraft central ground bus. This “single point ground” scheme helps to eliminate ground loops and ground bounce that can occur when using airframe as a ground.

4.3 Removal Procedures

1. Reference the airframe manufacturer’s maintenance manual to complete the following steps
Note: SunSpot 36 and 46 lights included in this STC are drop-in replacements for PAR36 and PAR46 legacy bulbs.
2. Follow the below steps to remove the AeroLEDs light(s). The aircraft maintenance manual also identifies the landing and/or taxi light removal procedure(s). This procedure is the same for either the OEM light(s) or the AeroLEDs light(s).
 - a. Prepare aircraft for maintenance:
 - b. Disconnect aircraft power and ground
 - c. Ensure all switches are in the OFF position
 - d. Attach maintenance warning tags
 - e. Pull landing/taxi light circuit breakers
 - f. Remove light covers to gain access to lamp assembly(s) and bracket(s)
 - g. Remove lamp(s) from brackets, mark and retain hardware
 - h. Disconnect wiring connections
3. This removal procedure is for single or multiple light installations
 - i. To reinstall the landing/taxi light(s), please refer to section 4.2 of this document
4. Record removal with appropriate logbook entry

4.4 Troubleshooting

If light is not functioning properly, not fully powering up, or not staying powered on, try the following steps to correct problem:

- a. Check for proper voltage at power input wire to light
- b. Ensure light is adequately grounded
- c. Check for continuity in wiring and connections
- d. If wiring is verified, remove light and bench-check with appropriately sized power supply

If above actions do not correct problem, contact AeroLEDs tech support at 1-208-850-3294 for a resolution.

5 Wiring Diagrams

5.1 Wiring Diagram for Single SunSpot Landing, Taxi, or Flood Light without Pulse

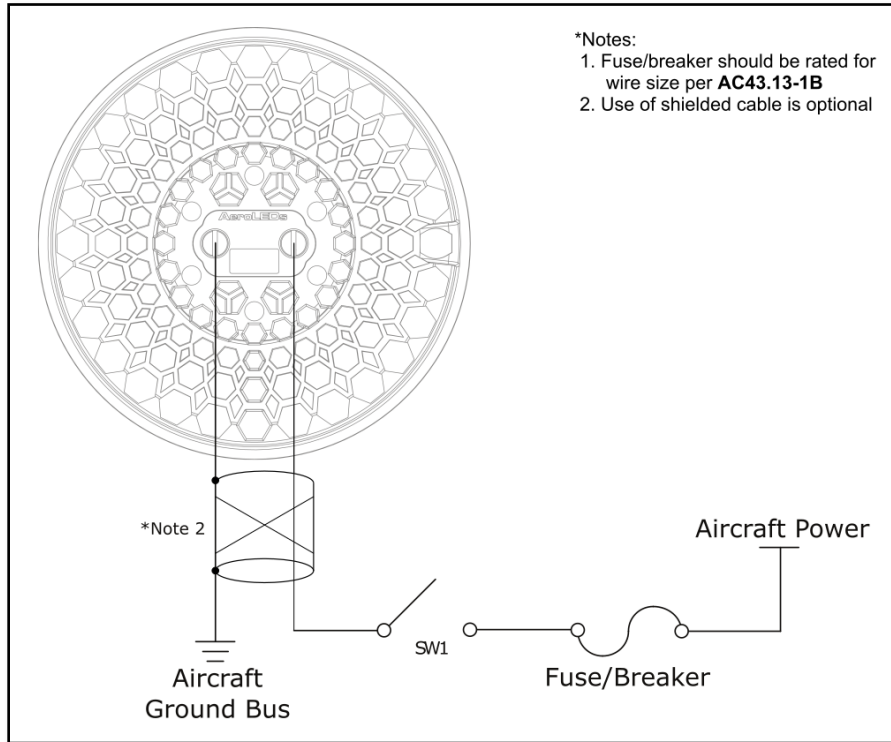


Figure 5-1

5.2 Wiring Diagram for Single SunSpot Landing or Taxi Light with Pulse

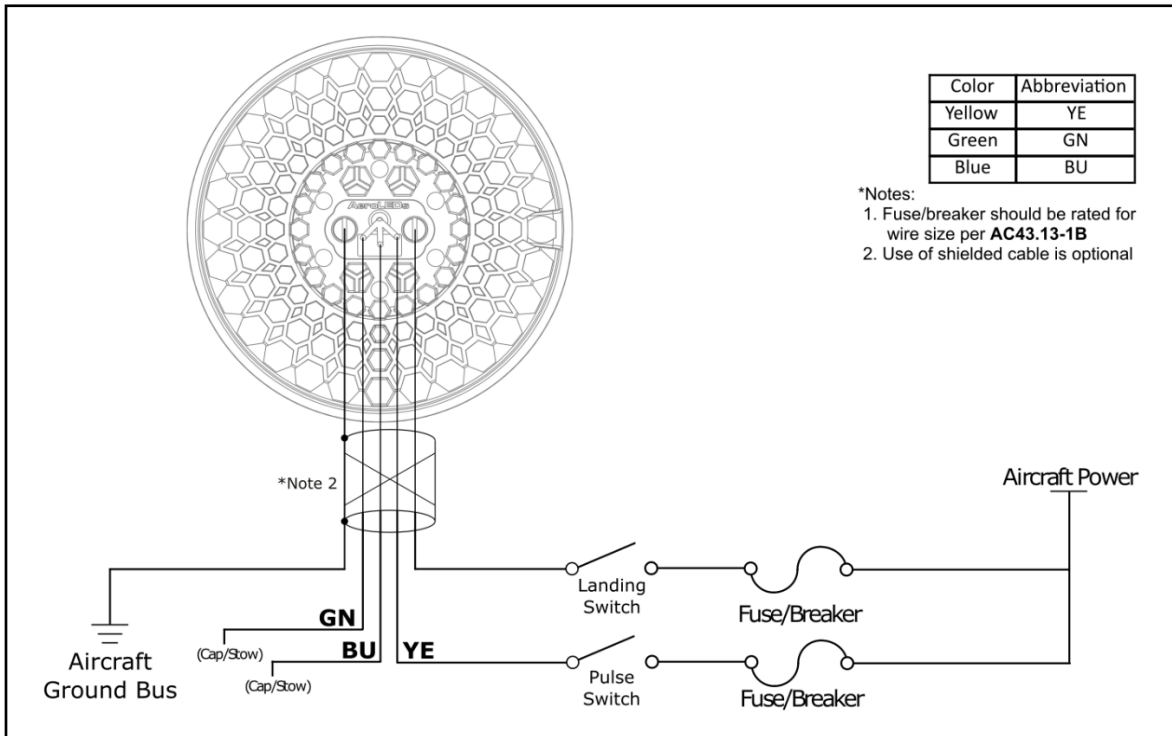


Figure 5-2

Note: Landing Switch for reference only

5.3 Wiring Diagram for Dual SunSpot Landing or Taxi Lights with Pulse (WigWag)

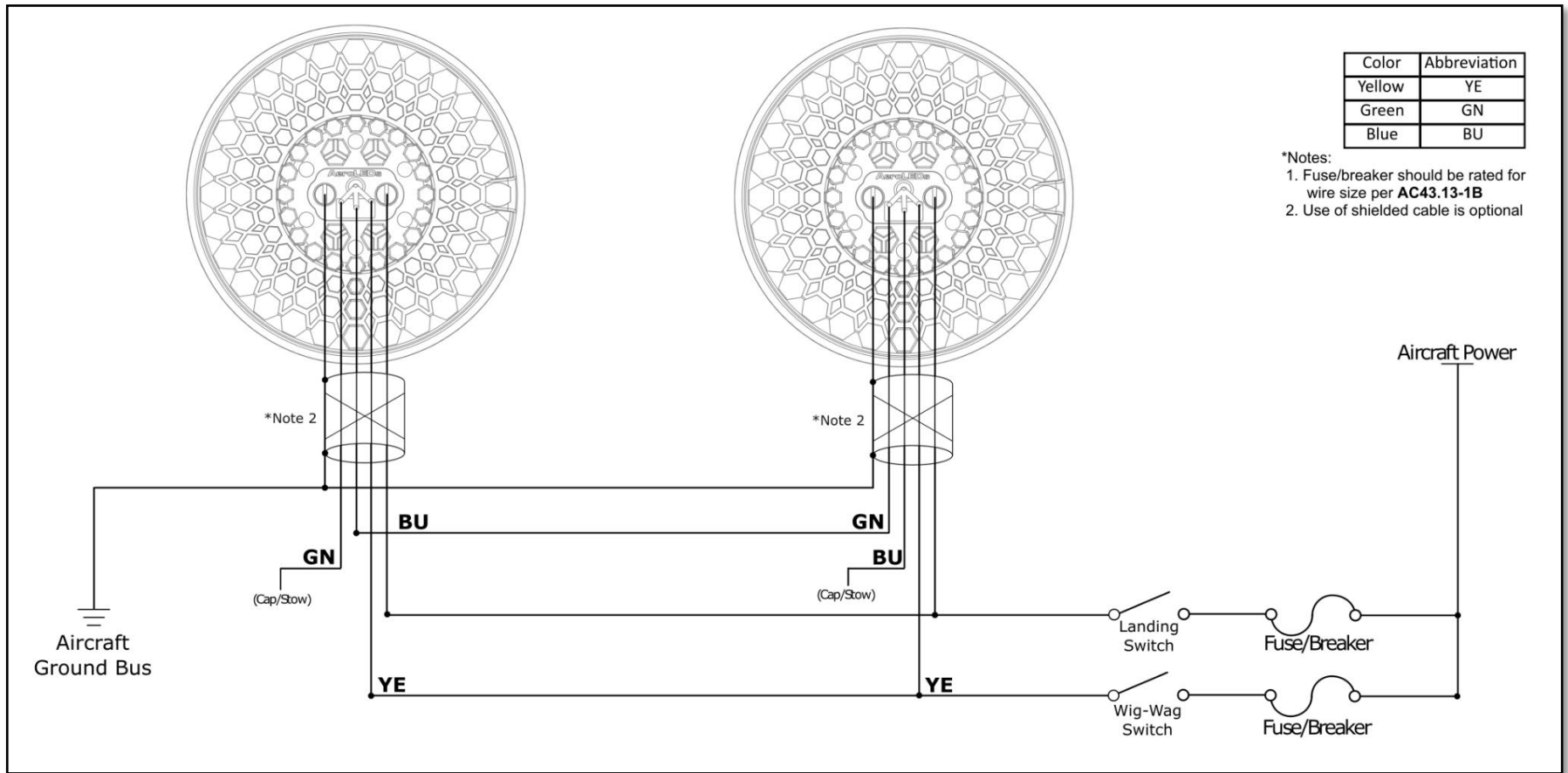


Figure 5-3

Note: Landing Switch for reference only

If lights are installed in close proximity (within two feet), it is recommended to install using an AeroLEDs sync circuit.

- AeroLEDs part number 00-8120
- Installation Guide 0017-0002

5.4 Wiring Diagram for Four LED SunSpot Landing or Taxi Lights with Pulse (WigWag)

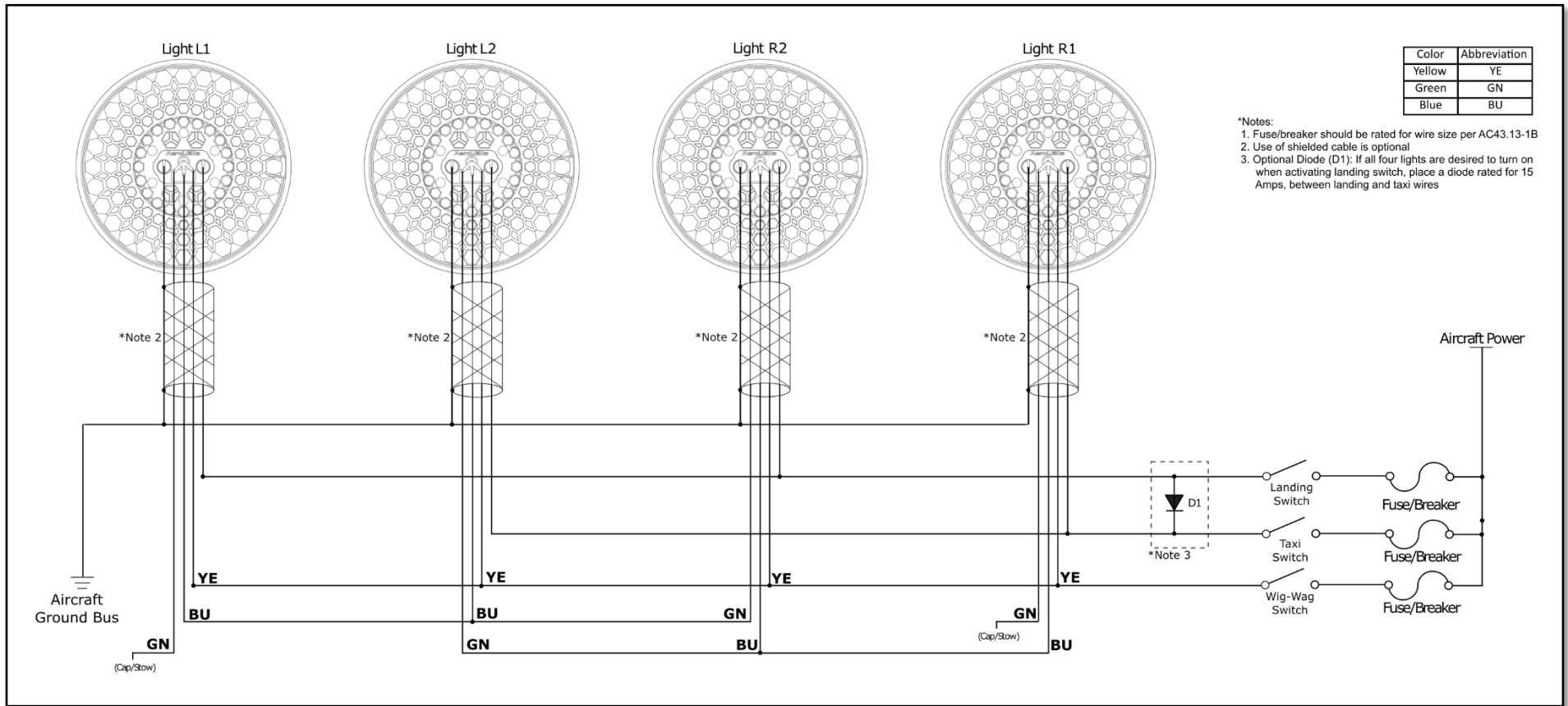


Figure 5-4

Appendix A

AeroLEDs SunSpot 36 and 46 LED lights contained in this document are approved for installation on the following makes and models listed on AML- **ST-20-502-01-1**

Table 7

Item #	Make	Model	TCDS	Cert. Basis	MDL	ICA	Notes	Initial Approval Date	Amended Date
1	Aero Resources, Inc.	J-2	H6WE	14 CFR Part 27 / 27-0	ST-20-502-02	N/A	1	TBD	N/A
2	Air & Space America, Inc.	18A	1H17	CAR 6 / 6-4	ST-20-502-02	N/A	1	TBD	N/A
3	Airbus Helicopters Deutschland GmbH	BO-105A BO-105C BO-105S BO-105LS A-1 BO-105LS A-3	H3EU	14 CFR FAR 21.29 and Part 27 / 27-14	ST-20-502-02	N/A	1	TBD	N/A
4	Airbus Helicopters Deutschland GmbH	EC135P1 EC135P2 EC135P2+ EC135T1 EC135T2 EC135T2+	H88EU	14 CFR FAR 21.29 and Part 27 / 27-31	ST-20-502-02	N/A	1	TBD	N/A
5	Airbus Helicopters France	AS350C AS350D AS350D1 AS350B AS350B1 AS350B2 AS350BA AS350B3 EC130 B4 EC130 T2	H9EU	14 CFR FAR 21.29 and Part 27 / 27-40	ST-20-502-02	N/A	1	TBD	N/A
6	Airbus Helicopters France	EC120B	R0001RD	14 CFR FAR 21.29 and Part 27 / 27-33	ST-20-502-02	N/A	1	TBD	N/A
7	Airbus Helicopters France	SA341G SA342J	H6EU	14 CFR FAR 21.29 and Part 27 / 27-4	ST-20-502-02	N/A	1	TBD	N/A
8	Airbus Helicopters France	SE.3160 Alouette II SA.316B Alouette III SA.315B Alouette III SA.319B Alouette III SA.316C Alouette III	H1IN	CAR 10 (FAR 21.29) CAR 6 / 6-4	ST-20-502-02	N/A	1	TBD	N/A

Item #	Make	Model	TCDS	Cert. Basis	MDL	ICA	Notes	Initial Approval Date	Amended Date
9	Airbus Helicopters France	AS355E AS355F AS355F1 AS355F2 AS355N AS355NP	H11EU	14 CFR FAR 21.29 and Part 27 / 27-21	ST-20-502-02	N/A	1	TBD	N/A
10	Airbus Helicopters France	SE 3130-Alouette II SE 313B-Alouette II SA 3180-Alouette Astazou SA 318B-Alouette Astazou SA 318C-Alouette Astazou	7H1	CAR 10, CAR 6 / 6-8	ST-20-502-02	N/A	1	TBD	N/A
11	Bell Helicopter Textron Canada Limited	206 206A 206A-1 (OH-58A) 206B 206L 206L-1 206L-3 206L-4 407	H2SW	14 CFR FAR 21.29, CAR 6 / 6-5, and 14 CFR Part 27 / 27-28	ST-20-502-02	N/A	1	TBD	N/A
12	Bell Helicopter Textron Canada Limited	427	R00001RC	14 CFR Part 27 / 27-31	ST-20-502-02	N/A	1	TBD	N/A
13	Bell Helicopter Textron Canada Limited	429	R00003RD	14 CFR Part 27 / 27-44	ST-20-502-02	N/A	1	TBD	N/A
14	Berlin Doman Helicopters, Inc.	LZ-5	1H10	CAR 6	ST-20-502-02	N/A	1	TBD	N/A
15	Brantly International, Inc.	B-2 (YHO 3BR) B-2A B-2B	2H2	CAR 6 / 6-2	ST-20-502-02	N/A	1	TBD	N/A
16	Charles D. Linza	Navy HUP-3	H4WE	14 CFR FAR 21.25	ST-20-502-02	N/A	1	TBD	N/A
17	Consolidated Air Crane, Inc.	CH34A CH34C HSS-1/UH-34D HSS-2N/UN-34J	H8SW	14 CFR FAR 21.25	ST-20-502-02	N/A	1	TBD	N/A
18	Continental Copters, Inc.	U. S. Army OH-13H	H5SW	14 CFR FAR 21.25 / 21-36, CAR 6 / 6-0	ST-20-502-02	N/A	1	TBD	N/A
19	Costruzioni Aeronautiche Giovanni Agusta S.p.a.	AB-102	7H3	CAR 10	ST-20-502-02	N/A	1	TBD	N/A

Item #	Make	Model	TCDS	Cert. Basis	MDL	ICA	Notes	Initial Approval Date	Amended Date
20	FH1100 Manufacturing Corporation	1100 (OH-5A) FH-1100	H2WE	CAR 6 / 6-4	ST-20-502-02	N/A	1	TBD	N/A
21	Scott's – Bell 47, Inc.	U. S. Army OH-13H U. S. Army OH-13E	H7SW	14 CFR FAR 21.25 / 21-0, CAR 6 / 6-0	ST-20-502-02	N/A	1	TBD	N/A
22	Helicopter Technik Munchen GmbH & Co. Anlagen KG	FJ Sky-Trac	H5EU	14 CFR Part 27 / 27-4	ST-20-502-02	N/A	1	TBD	N/A
23	Siam Hiller Holdings, Inc.	UH-12B (Navy THE-2, Army H23B) UH-12C	6H2	CAR 6 / 6-0	ST-20-502-02	N/A	1	TBD	N/A
24	Siam Hiller Holdings, Inc.	UH-12L UH-12L4	H1WE	CAR 6 / 6-4	ST-20-502-02	N/A	1	TBD	N/A
25	Siam Hiller Holdings, Inc.	UH-12 UH-12A (Navy HTE-1, Army H23A)	6H1	CAR 6 / 6-0	ST-20-502-02	N/A	1	TBD	N/A
26	Siam Hiller Holdings, Inc.	UH-12D (Army UH-23D)	4H10	CAR 6 / 6-6	ST-20-502-02	N/A	1	TBD	N/A
27	Invest In Opportunities, Inc.	HUS-1	H9WE	14 CFR FAR 21.25	ST-20-502-02	N/A	1	TBD	N/A
28	Kaman Aerospace Corporation	K-1200	TR7BO	14 CFR Part 27 / 27-37	ST-20-502-02	N/A	1	TBD	N/A
29	Leonardo S.p.A.	A109 A109A A109A II A109C A109K2 A109E A109S A119 AW119 MKII AW109SP	H7EU	14 CFR FAR 21.29 and Part 27 / 27-42	ST-20-502-02	N/A	1	TBD	N/A
30	Lockheed-California Company	L-286	H5WE	CAR 6 / 6-7	ST-20-502-02	N/A	1	TBD	N/A
31	McCulloch Motors Corporation	MC-4C (USAF YH-30)	6H3	CAR 6 / 6-0	ST-20-502-02	N/A	1	TBD	N/A

Item #	Make	Model	TCDS	Cert. Basis	MDL	ICA	Notes	Initial Approval Date	Amended Date
32	MD Helicopters Inc. (MDHI)	369 (Army YOH-6A) 369A (Army OH-6A) 369D 369H 369HE 369HM 369HS 369E 500N (not NOTAR)	H3WE	CAR 6 / 6-4	ST-20-502-02	N/A	1	TBD	N/A
33	MD Helicopters Inc. (MDHI)	369F (Glass Cockpit) 369FF (Glass Cockpit) 600N (Glass Cockpit)	H3WE	CAR 6 / 6-4 Part 27 / 27-47	ST-20-502-02	N/A	1	TBD	N/A
34	MD Helicopters Inc. (MDHI)	500N (NOTAR)	H3WE	CAR 6 / 6-4 Part 27 / 27-21	ST-20-502-02	N/A	1	TBD	N/A
35	MD Helicopters Inc. (MDHI)	600N (non-Glass Cockpit)	H3WE	Part 27 / 27-30	ST-20-502-02	N/A	1	TBD	N/A
36	MD Helicopters Inc. (MDHI)	MD900	H19NM	14 Part 27 / 27-26	ST-20-502-02	N/A	1	TBD	N/A
37	Omega Aircraft Corporation	BS-12D1	1H14	CAR 6 / 6-4	ST-20-502-02	N/A	1	TBD	N/A
38	Orlando Helicopter Airways, Inc.	HRS-1/CH-19 H-19D H-19A H-19G YH-19A UH-19F UH-19C CH-19E HRS-3/H-19B UH-19D	HR1SO	14 CFR FAR 21.25 / 21-71, CAR 6 / 6-4	ST-20-502-02	N/A	1	TBD	N/A
39	Orlando Helicopter Airways, Inc.	SH-34J HH-34J UH-34D H-34A	H4SO	14 CFR FAR 21.25 / 21-71, CAR 6 / 6-5	ST-20-502-02	N/A	1	TBD	N/A
40	Pacific Aviation Inc.	HSS-1/UH-34D HSS-1N/UH-34J CH34A CH34C	H15WE	14 CFR FAR 21.25	ST-20-502-02	N/A	1	TBD	N/A
41	Robinson Helicopter Company	R66	R00015LA	14 CFR Part 27 / 27-44	ST-20-502-02	N/A	1	TBD	N/A
42	Robinson Helicopter Company	R44 R44 II	H11NM	14 CFR Part 27 / 27-24	ST-20-502-02	N/A	1	TBD	N/A

Item #	Make	Model	TCDS	Cert. Basis	MDL	ICA	Notes	Initial Approval Date	Amended Date
43	Robinson Helicopter Company	R22 R22 ALPHA R22 BETA R22 MARINER	H10WE	14 CFR Part 27 / 27-10	ST-20-502-02	N/A	1	TBD	N/A
44	Scheutzwow Helicopter Corporation	Model B	H1GL	14 CFR Part 27 / 27-9	ST-20-502-02	N/A	1	TBD	N/A
45	Scotts-Bell 47 Inc.	47G-2A 47G-5 47G-2A-1 47G-3B-2 47G-3 47G-5A 47G-3B 47G-3B-2A 47G-3B-1 47G-4 47G-4A	2H3	CAR 6 / 6-4	ST-20-502-02	N/A	1	TBD	N/A
46	Scotts-Bell 47 Inc.	47 47B 47B3 47D 47D1 47E 47G 47G-2 47H-1	H-1	CAR 6 / 6-0	ST-20-502-02	N/A	1	TBD	N/A
47	Scotts-Bell 47 Inc.	47J 47K 47J-2 47J-2A	2H1	CAR 6 / 6-6	ST-20-502-02	N/A	1	TBD	N/A
48	Siam Hiller Holdings, Inc.	UH-12E UH-12E-L (Army OH-23G) (Army H-23F)	4H11	CAR 6 / 6-3	ST-20-502-02	N/A	1	TBD	N/A
49	Sikorsky Aircraft Corporation	269A 269A-1 269B 269C 269C-1 269D	4H12	CAR 6 / 6-8, CAR 8 / 8-0, FAR 21.25 / 21-0	ST-20-502-02	N/A	1	TBD	N/A
50	Sikorsky Aircraft Corporation	S-51	H-2	CAR 6 / 6-0	ST-20-502-02	N/A	1	TBD	N/A

Item #	Make	Model	TCDS	Cert. Basis	MDL	ICA	Notes	Initial Approval Date	Amended Date
51	Sikorsky Aircraft Corporation	S-52	H-3	CAR 6 / 6-0	ST-20-502-02	N/A	1	TBD	N/A
52	Vertical Aviation Technologies, Inc.	S-52-2 S-52-3	1H2	CAR 6 / 6-0	ST-20-502-02	N/A	1	TBD	N/A
53	Centerpointe Aerospace, Inc.	S-55 S-55B S-55C	1H4	CAR 6 / 6-0	ST-20-502-02	N/A	1	TBD	N/A
54	Centerpointe Aerospace, Inc.	S-58JT S-58A S-58H S-58B S-58J S-58C S-58BT S-58D S-58DT S-58E S-58ET S-58F S-58FT S-58G S-58HT	1H11	CAR 6 / 6-6, Part 29 / 29-3 (subparts only, see TCDS for full listing)	ST-20-502-02	N/A	1	TBD	N/A
55	Silvercraft S.co.p.a.	SH-4	H2EU	14 CFR Part 27 / 27-1	ST-20-502-02	N/A	1	TBD	N/A
56	Sud Aviation	SO. 1221 Djinn	7H2	CAR 10, CAR 6 / 6-6	ST-20-502-02	N/A	1	TBD	N/A
57	Teryjon Aviation Inc.	Fast Kat I (U. S. Army OH-135)	H2GL	14 CFR FAR 21.25	ST-20-502-02	N/A	1	TBD	N/A
58	The Boeing Company Vertol Division	(H21B, H-21C) 42A 42B 44A 44B	1H12	CAR 6 / 6-7	ST-20-502-02	N/A	1	TBD	N/A

Item #	Make	Model	TCDS	Cert. Basis	MDL	ICA	Notes	Initial Approval Date	Amended Date
59	The Enstrom Helicopter Corporation	F-28 F-28A 280 F-28C F-28C-2 F-28C-2R 280C F-28F F-28F-R 280F 280FX TH-28 480 480B	H1CE	CAR 6 / 6-5, 14 CFR Part 27 / 27-23, FAR 21.25 / 21-0	ST-20-502-02	N/A	1	TBD	N/A
60	The Kaman Aircraft Corp.	K-240 (Military HTK-1)	1H3	CAR 6 / 6-1	ST-20-502-02	N/A	1	TBD	N/A
61	The Kaman Aircraft Corp.	K-190A K-225	1H1	CAR 6 / 6-0	ST-20-502-02	N/A	1	TBD	N/A