



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number SA800EA

This certificate issued to:

Whelen Aerospace Technologies
51 Winthrop Road
Chester, Connecticut 06412-0684

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 3, 6, 23, and 27 of the Civil Air / Federal Aviation Regulations.

Original Product - Type Certificate Number: See attached Eligibility List dated May 2, 2018.

Description of Type Design Change:

Installation of Whelen Anti-Collision, Position, or Anti-Collision/Position Light System, Part Numbers 01-0770019-(), 01-0770024-(), 01-0770030-(), 01-0770031-(), 01-0770032-(), 01-0770053-(), 01-0770054-(), 01-0770058-(), 01-0771011-(), 01-0771110-(), 01-0790725-(), 01-0790701-(), 01-0771554-(), 01-0771774-(), 01-0771900(), and applicable associated power supplies, in accordance with Whelen Anti-Collision Light Systems Installation and Service Manual, Document No. 05131, Rev E, dated May 2019, or later FAA-approved revision.

Limitations and Conditions: See Page 3

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

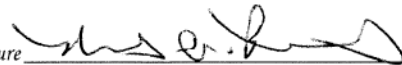
Date of Application: May 2, 1969

Date reissued: May 2, 2018

Date of Issuance: November 14, 1969

Date amended: June 19, 2019

By direction of the Administrator

Signature 
for Nicholas Faust

Title Acting Manager, Boston ACO Branch

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.

TRANSFER ENDORSEMENT

Transfer the ownership of Supplemental Type Certificate Number: _____

To (Name and address of transferee)

Name:

Address (Number and Street, City, State, and ZIP Code):

From (Name and address of grantor)

Name:

Address (Number and Street, City, State, and ZIP Code):

Extent of Authority (if licensing agreement):

Date of Transfer: _____

Signature of grantor: _____

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Number SA800EA
June 19, 2019

Limitations and Conditions:

1. The Anti-Collision Lights Part Numbers 01-0770019-(), 01-0770024-(), 01-0770030-(), 01-0770031-(), 01-0770032-(), 01-0770053-(), 01-0770054-(), 01-0770058-(), 01-0771011-(), 01-0771110-() meet the requirements of FAR 23 and the similarly numbered sections of FAR 27 as follows:
 - a. 23.1397(c), 23.1401(c), (d), (e), effective August 11, 1971
 - b. 23.1401(f) in effect on August 10, 1971
 - c. Part numbers 01-0770019-19 and 01-0770019-22 with power supplies approved under STC SA615EA meet FAR 23.1401(f) effective August 11, 1971
 - d. Part numbers 01-0770054-00 through 01-0770054-07, 01-0770058-03, and 01-0770058-13 with power supplies producing a minimum of 20 joules per flash meet FAR 23.1401(f) effective August 11, 1971
2. The Anti-Collision/Position Lights Part Numbers 01-0790725-(), 01-0790701-(), 01-0771554-(), 01-0771774-(), 01-0771900() meet the following 14 CFR Part 23 and 14 CFR Part 27 requirements at the amendment indicated:
 - a. 23.25(a) [Amdt. 23-50], 23.853(a)(d)(3)(iv) [Amdt. 23-62], 23.867(a) [Amdt. 23-49], 23.1301 [Amdt. 23-62], 23.1309(a)(c) [Amdt. 23-62], 23.1351(a) [Amdt. 23-49], 23.1357(a) [Amdt. 23-43], 23.1365(a) [Amdt. 23-49], 23.1367(a) [Amdt. 23-0], 23.1385 [Amdt. 23-43], 23.1387 [Amdt. 23-43], 23.1389 [Amdt. 23-43], 23.1391 [Amdt. 23-43], 23.1393 [Amdt. 23-43], 23.1395 [Amdt. 23-43], 23.1397 [Amdt. 23-11], 23.1401 [Amdt. 23-49], 23.1529 [Amdt. 23-26]
 - b. 27.25(a) [Amdt. 27-44], 27.853(a) [Amdt. 27-37], 27.1301 [Amdt. 27-0], 27.1309 [Amdt. 27-46], 27.1351(a) [Amdt. 27-13], 27.1357(a) [Amdt. 27-13], 27.1365(a) [Amdt. 27-35], 27.1367(a) [Amdt. 27-0], 27.1385 [Amdt. 27-0], 27.1387 [Amdt. 27-

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- 7], 27.1389 [Amdt. 27-0], 27.1391 [Amdt. 27-0], 27.1393 [Amdt. 27-0], 27.1395 [Amdt. 27-0], 27.1397 [Amdt. 27-6], 27.1401 [Amdt. 27-10], 27.1529 [Amdt. 27-18]
3. To complete the approval of these lights as anti-collision light systems, the installations on individual aircraft must be checked to show compliance with 14 CFR 23.1401(b) or 14 CFR 27.1401(b), as appropriate, for field of coverage unless the "Anti-Collision Light Systems Installation and Service Manual", Document 05131, Rev E or later FAA approved revision, specifically indicates that a particular installation has been checked for compliance with the aforementioned sub-sections.

NOTE: The aforementioned Installation and Service Manual contains an acceptable method for checking the adequacy of coverage when using two lights (wing tips) or three lights (wing tips and tail lights). For some other acceptable methods, see Advisory Circular AC 43.13-2, Chapter 4, Paragraph 46b(2). Installations made in accordance with STC SA800EA Amendments prior to 9/14/71 need only be checked for obstructed visibility to meet anti-collision light requirements.

4. Install the following placard, Whelen Part No. A421-1, or other FAA approved equivalent, in view of the pilot:

WARNING

TURN OFF STROBE LIGHTS WHEN TAXING IN VICINITY OF OTHER
AIRCRAFT OR DURING FLIGHT THROUGH CLOUDS, FOG OR HAZE.
STANDARD POSITION LIGHTS TO BE ON FOR ALL NIGHT OPERATIONS.

5. On all helicopter installations, install the following placard in view of the pilot:

THE WHITE STROBE LIGHT MUST BE TURNED OFF
DURING ALL NIGHT TAKEOFFS AND LANDINGS.

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6. The modifications approved by this STC can be installed in conjunction with those approved by STC SA615EA or STC SA738EA as delineated in the "Anti-Collision Light Systems Installation and Service Manual", Document 05131, Rev C, or later FAA approved revision.
7. On Mitsubishi MU-2B, MU-2B-10, -20, -15, -30 aircraft: Whelen's Mitsubishi MU-2B, -10, -20, -15, -30 Wing Tip and Tail Strobe Light Installation Procedure", dated 19 February 1971, is required in addition to the "Anti-Collision Light Systems Installation and Service Manual", Document 05131, Rev E, or later FAA approved revision.
8. This approval should not be incorporated in any aircraft for these specific models on which other approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those previously incorporated approved modifications will not introduce any adverse effect upon the airworthiness of the aircraft. This determination should include a night flight check as specified in AC 43.13-2, Chapter 4, Paragraph 42A.

NOTE: Aircraft whose application for type certification was made before April 1, 1957, may but need not, comply with the field of coverage requirements of FAR 23(27).1401(b). Compliance with FAR 91.33(c) may be shown provided the light installation is in accordance with data approved prior to August 11, 1971, and applicable criteria of Advisory Circular 43.13-2 are met.

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AMENDMENT HISTORY:

This STC has been previously amended on the following dates:

11/20/69; 4/23/70, 12/10/70; 5/26/71, 9/14/71; 5/18/72, 9/22/72, 11/7/72; 7/21/76, 7/30/76;
12/30/77; 2/21/78, 10/4/78; 5/17/79; 3/26/81, 8/5/81, 8/25/81; 5/21/82; 7/16/91; 11/22/93; 6/7/99;
6/18/99; 9/8/99, 6/17/05, 5/5/10, 12/5/14

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Eligibility List May 2, 2018

Aircraft Manufacturer	Model	Type Certificate
Aero Commander	*100, 100-180	1A21
	111	A11SO
	112	A12SO
	500, 500-A, 500-B, 500-S, 500-U, 520, 560, 560A, 560E	6A1
	560F, 680, 680E, -F, 720, 680FL, 680FL(P), 680T, V, W, 681, 690, 685	2A4
American Aviation	*AA-1, *AA-1A	A11EA
	AA-5	A16EA
Beech	23, A23, A23A, A23-19, -24, -19A, B19, M19A, B23, C23, A24, A24R	A1CE
	35, A35, B35, C35, D35, E35, F35, G35, 35R	A-777
	H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 35-33, 35-A33, 35- B33, 35-C33, 35-C33A, 36, A36, A36TC, B36TC, G36, E33, E33A, E33C, F33, F33A, F33C	3A15

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Aircraft Manufacturer	Model	Type Certificate
Beech (continued)	50(L-23A), B50(L-23B), C50, D50(L-23E), D50A, D50B, D50C, D50E, E50(L-23D, RL-23D), F50, G50, H50, J50	5A4
	95-55, 95-A55, 95-B55, 95-B55B(T-42A), 95-B55D, 95C55, 95, B95, B95A, D95A, E95, D55, D55A, E55, E55A, 56TC, A56TC, 58	3A16
	65(L23F), A65, A65-8200, 65-80, 65-A80, 65-A80-8800, 65-B80, 65-88, B90, C90, 65-90, 65-A90, 65-A90-1, (U-21A, RU-21A, RU-21D), 65-A90-2, (RU-21B), 65-A90-3 (RU-21C), 70	3A20
	60, A60	A12CE
	99, 99A, 100	A14CE
Bellanca	14-19-3A, 17-30	1A3
	17-30A, 17-31A, 17-31ATC	A18CE
	7EC, 7ECA, 7FC, 7GC, 7GCA, 7GCAA, 7GCB, 7GCBA, 7GCBC, 7HC, 7JC, 7KCAB	A-759
Bell	206A, 206B, 206L, 206L-1, 206L-3, 206L-4, 407	H2SW
	47B, B3, D, D1, E, G, G-2, H-1	H-1

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