

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SA615EA

This Certificate issued to Whelen Engineering Company, Inc.
51 Winthrop Road
Chester, Connecticut 06412-0684

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

Original Product Type Certificate Number: See Attached Eligibility List dated May 5, 2010

Make:

Model:

Description of Type Design Change:

Installation of Whelen Anti-Collision Strobe Light Systems, Part Number 01-0770006-(), 01-0770028-(), 01-0770029-(), 01-0770062-(), 01-0770900-(), 01-0771055-(), 01-0771080-(), and 01-0790520-() as replacement for originally installed anti-collision lights, when installed in accordance with Whelen Anti-Collision Light Systems Installation and Service Manual, Document No. 05131, Rev B, dated June 2010, or later FAA-approved revision.

Limitations and Conditions:

(See continuation sheet 3 of 7)

The STC holder will provide each person it permits to use this certificate to alter the product written evidence of the agreement in a form acceptable to the Administrator.

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

Date of application: February 19, 1968

Date reissued: July 6, 2010

Date of issuance: May 14, 1968

Date amended: May 5, 2010

See page 3 for amendment history.



By direction of the Administrator:

Robert G. Mann
(Signature)
Robert G. Mann
Manager, Boston Aircraft Certification Office

(Title)

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Number SA615EA

Date Amended: May 5, 2010

Date Reissued: July 6, 2010

Limitations and Conditions (Continued):

1. These lights comply with the anti-collision light standards of the FARs as follows:
 - a. With the red or combined red/white lens; those effective on or prior to August 10, 1971.
 - b. With the white lens; those effective on August 11, 1971.
2. Install the following placard Whelen Part No. A421, or other FAA approved equivalent:

WARNING

TO AVOID OPTICAL ILLUSION AND SEVERE VERTIGO, TURN
ANTI-COLLISION LIGHTS OFF UPON ENTERING CLOUDS, FOG OR HAZE

3. The aircraft listed on the Eligibility List are those which have had both the physical installation of the lights substantiated and the field of coverage checked including the 20° mask. Aircraft not included in the list can use these lights when the physical installation and field of coverage is substantiated as indicated in the Whelen Anti-Collision Light Systems Installation and Service Manual, June 2010, Document No. 05131, Rev B, or later FAA-approved revision, section titled "Aircraft Not Specifically Mentioned on the Eligibility List".
4. The approval of this change in type design applies basically to aircraft listed on the attached eligibility list. This approval should not be extended to other aircraft of these models on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will introduce no 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 certificate 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 the applicable criteria of Advisory Circular 43.13-2 are met.

AMENDMENT HISTORY:

This STC has been previously amended on the following dates:

7/15/68, 7/19/68, 11/25/68; 1/17/69, 2/18/69, 4/18/69; 3/3/70, 12/10/70; 4/21/71, 9/14/71; 5/18/72, 9/22/72, 11/7/72; 7/21/76; 10/4/78; 3/26/81, 8/5/81, 8/25/81; 5/21/82; 7/16/91; 6/7/99; 6/18/99; 6/17/05, 2/22/07.

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Date Amended: May 5, 2010

Date Reissued: July 6, 2010

ELIGIBILITY LIST May 5, 2010

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
	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, 65-8200, 65-80 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

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

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ELIGIBILITY LIST May 5, 2010

AIRCRAFT MANUFACTURER	MODEL	TYPE CERTIFICATE
Beech (Cont'd)	60, A60	A12CE
	99, 99A, 100	A14CE
Bellanca	14-19-3A, 17-30, 17-30A, 17-31A 17-31ATC	1A3
	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
	47G-2A, -2A-1, -3, -3B, -3B-1, -3B-27 4, -4A, -5, -5A	2H3
	47J, K, J-2, J-2A	2H1
Britten Norman	BN-2, -2A, -2A-2, -2A-6, -2A-8	A17EU
	BN-2A, MK.III	A29EU
Cessna	150, 150A, B, C, D, E, F, G, H, J, K, L, M, A150K, A150L, A150M, 152, A152	3A19
	172, 172A, B, C, D, E, F, G, H, I, K, L, M, N, P	3A12
	175, 175A, B, D, P172D, 172RG	3A17
	177, 177A, B	A13CE
	177RG	A20CE
	180, 180A, B, C, D, E, F, G, H, J, K	5A6
	182, 182A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, T182, R182, TR182	3A13
185, 185A, B, C, D, E, A185E, A185F 188, 188A, B, A188, A188A, A188B, T188C	3A24 A9CE	

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ELIGIBILITY LIST May 5, 2010

AIRCRAFT MANUFACTURER	MODEL	TYPE CERTIFICATE
Cessna (Cont'd)	206, P206, P206A, B, C, D, E, TU206A, B, C, D, E, F, G, TP206A, B, C, D, E, U206, U206A, B, C, D, E, F, G	A4CE
	207, 207A, T207, T207A	A16CE
	210, 210A, 210B, 210C, 210D, 210E, 210F, T210F, 210G, T210G, 210H, T210H, 210J, T210J, 210K, 210-5(205), 210-5A(205A), T201K, 210L T210L, T210M, T210N, 210N, P210N	3A21
	310, 310A, B, C, D, E, F, G, H, I, J, 310J-1, E310J, 310K, L, N, P, T310P, 310Q, T310Q	3A10
	*320, A, B, C, D, E, F, 320-1, 340, 340A	3A25
	*336	A2CE
	337, 337A, B, C, D, E, F, T337D, E F, G	A6CE
	*401, 401A, B, 402, 402A, B, 411, 411A 421, 421A, 414, 421B	A7CE
	DHC-2, MK. I, MK. II, MK. III	A-806
	DHC-3	A-815
DHC-6, Models 1, 100, 110, 200, 210, 300	A9EA	
Fairchild Hiller	FH-1100	H2WE
Helio	H-250, H-295, H-391, H-391B, H-395 H-395A	1A8
Hughes	269A, 269A-1, 269B, 269C	4H12
	369, A, H, HM, HS, HE 369D, 369E, 369F, 369FF, 500N, 600N	H3WE

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AIRCRAFT MANUFACTURER	MODEL	TYPE CERTIFICATE
Piper	**PA-11	A-691
	**PA-12	A-780
	**PA-14	A-797
	**PA-15	A-800
	**PA-16	1A1
	**PA-17	A-805
	**PA-18 Series, PA-19	1A2
	**PA-20	1A4
	**PA-22 Series	1A6
	**PA-25 Series	2A8
	PA-23, PA-23-160, *PA-23-235 *PA-23-250, *PA-E23-250	1A10
	PA-24, -24-250, -24-260, -24-400	1A15
	PA-28-140, -28-150, -28-151, -28-160, -28-161, -28-180, -28-235, -28S-160, -28R-180, -28S-180, -28-181, -28R-200, -28R-201, -28R-201T, -28RT-201, -28RT-201T, -28-201T, -28-236	2A13
	PA-30, PA-39	A1EA
PA-31P	A8EA	
PA-31, PA-31-300, 325, 350	A20SO	
PA-32-260, -300, -32S-300	A3SO	

NOTES TO ELIGIBILITY LIST:

*1. Aircraft as marked require specific attention to proper balancing of the rudder. Refer to the Manufacturer's Service Manual for balancing instructions.

**2. Installations on these aircraft require prior or concurrent installation of STC SA4-977.