



**CERTIFICADO SUPLEMENTAR DE TIPO**  
(Supplemental Type Certificate)

**NÚMERO:** 2017S06-11  
(Number)

**Este Certificado, emitido com base na Lei nº 7565 "Código Brasileiro de Aeronáutica", de 19 de dezembro de 1986,**

*This Certificate, issued in the basis of the Law No 7565 "Código Brasileiro de Aeronáutica", dated 19 December 1986,*

**é conferido ao (à):** Whelen Engineering Company, Inc.  
*is granted to:* 51 Winthrop Road  
Chester, CN 06412-0684  
USA

**por ter a modificação ao projeto de tipo do produto abaixo citado, observadas as limitações e condições**  
*for having the change to the type design of the product mentioned below, with the limitations and conditions*  
**especificadas, satisfeito aos requisitos de aeronavegabilidade aplicáveis.**  
*conditions there for as specified hereon, met the applicable airworthiness requirements.*

**Produto Original - Número do Certificado de Tipo:** \* See attached ANAC Approved Model List (AML),  
*Original Product - Type Certificate No:* I.R., 27 June 2017, or later approved revision.

**Fabricante: \***  
*Manufacturer:*

**Modelo(s): \***  
*Model (s):*

**DESCRIÇÃO DA MODIFICAÇÃO AO PROJETO DE TIPO:**  
*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-(), and applicable associated power supplies, in accordance with Whelen Anti-Collision Light Systems Installation and Service Manual, Document No. 05131, Rev. D, dated May 2015, or later approved revision..

This CST validates in Brazil the STC No. SA800EA, issued by FAA (USA).

**LIMITAÇÕES E CONDIÇÕES:**  
*Limitations and Conditions:*

See continuation sheet for applicable data.

**DATAS:** **Do requerimento:** 10 Apr. 2017  
*Dates of:* *Application:*

**Da reemissão:**  
*Reissuance:*

**Da emissão:** 27 June 2017  
*Issuance:*

**Da emenda:**  
*Amendment:*

  
**MÁRIO IGAWA**  
Gerente-Geral, Certificação de Produto Aeronáutico  
(General Manager, Aeronautical Product Certification)

  
**ROBERTO JOSÉ SILVEIRA HONORATO**  
Superintendente de Aeronavegabilidade  
(Airworthiness Superintendent)

**Nota:**

(Note:)

- a) Este Certificado e os dados técnicos com base nos quais ele foi emitido são válidos até que sejam cancelados, suspensos, revogados ou um prazo limite seja estabelecido pela Agência Nacional de Aviação Civil.  
(This Certificate and the supporting technical data used for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Agência Nacional de Aviação Civil.)
  
- b) No caso de transferência de propriedade deste Certificado, o transferente deve preencher o quadro "Endosso de Transferência", e o adquirente deve enviar este Certificado à Gerência Geral de Certificação de Produto Aeronáutico para que seja reemitido em seu nome.  
(In case of transfer of the property of this Certificate, the grantor should fill the blanks of "Transfer Endorsement", and the transferee must remit this Certificate to the Gerência Geral de Certificação de Produto Aeronáutico para que seja reemitido em seu nome.  
(Produto Aeronáutico to permit reissuance of the Certificate in his name.)

**ENDOSSO DE TRANSFERÊNCIA**

(Transfer Endorsement)

**Transfiro a propriedade deste Certificado Suplementar de Tipo para:**

(I transfer the property of this Supplemental Type Certificate to:)

**ADQUIRENTE**

(Transferee)

**Nome:** .....  
(Name:)

**Rua:** .....  
(Street:)

**CEP:** ..... **Cidade:** ..... **Estado:** ..... **País:** .....  
(Zip:) (City:) (State:) (Country:)

**TRANSFERENTE**

(Grantor)

**Nome:** .....  
(Name:)

**Rua:** .....  
(Street:)

**CEP:** ..... **Cidade:** ..... **Estado:** ..... **País:** .....  
(Zip:) (City:) (State:) (Country:)

**Data de Transferência:** .....  
(Date of Transfer:)

**Assinatura do Transferente:** .....  
(Signature of the Grantor:)

**Nome:** .....  
(Name:)

**Cargo:** .....  
(Function:)



Folha de Continuação ao  
(Continuation Sheet to)

## CERTIFICADO SUPLEMENTAR DE TIPO (Supplemental Type Certificate)

NÚMERO: 2017S06-11

(Number)

### LIMITAÇÕES E CONDIÇÕES:

Limitations and Conditions:

- I. The approval of this type design change should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship between this change and any of those other previously approved modifications, including changes in Type Design, will introduce no adverse effect upon the airworthiness of that aircraft. This determination should include a night flight check as specified in AC 43.13-2, Chapter 4, Paragraph 42A.
- II. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.
- III. The Part Numbers installed by this CST meet the requirements of FAR 23 / 14 CFR Part 23 and the similarly numbered sections of FAR 27 / 14 CFR Part 27, as specified on items 1 and 2 of the Limitations and Conditions section of the FAA STC No. SA800EA.
- IV. 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 No. 05131, Rev. D, dated May 2015, or later 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 the FAA STC No. SA800EA Amendments prior to 14 Sep. 1971 need only be checked for obstructed visibility to meet anti-collision light requirements.

- V. Install the following placard, Whelen Part Number A421-1, or other 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.

- VI. 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.

- VII. The modifications approved by this CST can be installed in conjunction with those approved by CST 2017S06-12 which validates in Brazil the FAA STC # SA615EA as delineated in the "Anti-Collision Light Systems Installation and Service Manual", Document No. 05131, Rev. D, dated May 2015, or later approved revision.
- VIII. 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 No. 05131, Rev. D, dated May 2015, or later approved revision.
- IX. A copy of this Certificate and the ANAC Approved Model List (AML) for CST No. 2017S06-11 shall be maintained as part of the permanent records for the modified aircraft.

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Documento assinado eletronicamente por **MARIO IGAWA, Gerente-Geral de Certificação de Produtos Aeronáuticos**, em 27/06/2017, às 17:18, conforme horário oficial de Brasília, com fundamento no art. 6º, § 1º, do [Decreto nº 8.539, de 8 de outubro de 2015](#).



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Documento assinado eletronicamente por **ROBERTO JOSÉ SILVEIRA HONORATO, Superintendente de Aeronavegabilidade**, em 28/06/2017, às 14:29, conforme horário oficial de Brasília, com fundamento no art. 6º, § 1º, do [Decreto nº 8.539, de 8 de outubro de 2015](#).



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