



U. S. Department of Homeland Security
United States Coast Guard
Certificate of Approval

Coast Guard Approval Number: 161.012/58/0

Expires: 22 March 2018

PERSONAL FLOTATION DEVICE LIGHT

ACR ELECTRONICS, INC.
5757 RAVENSWOOD ROAD
FORT LAUDERDALE FL 33312-6645

FIREFLY 3 SOLAS and FIREFLY 3 SOLAS Waterbug, manual or water activated strobe PFD light.

Approved with either manual or water activation. Water activated model named "Waterbug" satisfactorily tested for USCG 30 minute on-time requirement between wettings. Both models are flashing personal flotation device lights with a sliding ON/OFF switch. Light uses a Xenon tube bulb inside a clear dome, powered by two AA alkaline or lithium batteries.

Identifying Data: Assembly Drawing A3-06-2772 Rev. A, Label Drawing A1-20-1202 Rev. E, and Imanna Laboratory Test Reports 16437-2 dated April 6, 2004, 16591-1 dated August 23, 2004, and 19621-1 and 19621-2 dated December 5, 2012.

Requires 2 AA alkaline batteries which must be replaced annually. For SOLAS use, requires 2 AA lithium batteries which must be replaced 5 years before marked battery manufacturer expiration date.

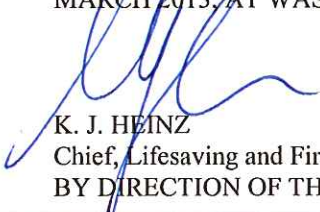
Production test report in accordance with 46 CFR 159.007-11 and 161.012-13 due annually in June.

Supersedes previous certificate dated July 1, 2009 to reflect new printed circuit board and updated identifying data.

*** END ***

THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.

GIVEN UNDER MY HAND THIS 22nd DAY OF
MARCH 2013, AT WASHINGTON D.C.


K. J. HEINZ
Chief, Lifesaving and Fire Safety Division
BY DIRECTION OF THE COMMANDANT



TERMS: The approval of the item described on the face of the Certificate has been based upon the submittal of satisfactory evidence that the item complies with the applicable provisions of the navigation and shipping laws and the applicable regulations in Title 33 and/or Title 46 of the Code of Federal Regulations. The approval is subject to any conditions noted on this Certificate and in the applicable laws and regulations governing the use of the item on vessels subject to Coast Guard inspection or on other vessels and boats.

Consideration will be given to an extension of this approval provided application is made 3 months prior to the expiration date of this Certificate.

The approval holder is responsible for making sure that the required inspections or tests of materials or devices covered by this approval are carried out during production as prescribed in the applicable regulations.

The approval of the item covered by this certificate is valid only so long as the item is manufactured in conformance with the details of the approved drawings, specifications, or other data referred to. No modification in the approved design, construction, or materials is to be adopted until the modification has been presented for consideration by the Commandant and confirmation received that the proposed alteration is acceptable.

NOTICE: Where a manufacturer of safety-at-sea equipment is offering for sale to the maritime industry, directly or indirectly, equipment represented to be approved, which fails to conform with either the design details or material specifications, or both, as approved by the Coast Guard, immediate action may be taken to invoke the various penalties and sanctions provided by law including prosecution under 46 U.S.C. 3318, which provides:

"A person that knowingly manufactures, sells, offers for sale, or possesses with intent to sell, any equipment subject to this part (*Part B. of Subtitle II of Title 46 U.S.C.*) and the equipment is so defective as to be insufficient to accomplish the purpose for which it is intended, shall be fined not more than \$10,000, imprisoned for not more than 5 years or both."