

VELUX™ 1.



Velux™ 1 is a programmable Short Wave Infrared (SWIR) signaling beacon designed for use during low light operations. Engineered as a beacon platform with the ability to broadcast 950nm to 1550nm, the Velux beacon series includes several encoding options.

The Velux 1 has three user-selectable six second flash patterns; the first code pattern is a fixed flash rate code identical to the Phoenix Jr. (NSN: 5855-01-438-4588), the second code pattern is a International Morse Code signal (S – O – S) and the third is installed as needed by the user in the field.

The operator programs a user defined flash pattern via two programming pins. Miniature indicator lights within the device will flash the pattern as it is being recorded by the user to confirm the code being stored. The operator can easily switch between each of the encoded flash pattern via the programming pins. All codes are stored in a nonvolatile memory allowing the battery to be removed from the beacon without erasing any of the entered codes. During operation, the user can reactivate the miniature indicator lights at anytime allowing the operator to visually confirm the broadcast code.

Weight	1 Ounce 28 Grams
Size	1.24" x 0.9" x 0.574" 31mm x 22.5mm x 14.6mm
Flash repeat cycle	Programmable
Flash duration	Programmable
Code Memories	Three; Phoenix Jr. fixed flash rate, International Morse Code signal, and user defined.
Battery	Common 9 volt
Configuration	3 IR Emitters
Coverage	240 degrees x 360 degrees
Switching	Attach or remove battery, control pins
Options	Velux 1 IR 950nm, Velux 1 IR 1050nm, Velux 1 IR 1200nm, Velux 1 IR 1300nm, Velux 1 IR 1450nm, Velux 1 IR 1550nm, Velux 1 Red Training Model, Vehicle Auxiliary Power Supply (902611), and Poseidon — Phoenix / Pegasus Mounting Clip (902801)
Operating depth	The Poseidon — Phoenix / Pegasus Mounting Clip (902801) provides a water tight casing for the beacon and battery assembly. If immersed without the Poseidon case, the unit will continue to operate until the contacts fail due to water and electrolytic corrosion. Given these conditions the depth limitation is solely determined by the battery's ability to withstand depth.

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ATTENTION: ANY PRODUCTS USING INFRA RED LIGHT EMISSIONS [850 NM OR ABOVE] REQUIRE STATE DEPARTMENT APPROVAL AND A LICENSE TO EXPORT OUTSIDE THE UNITED STATES.



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