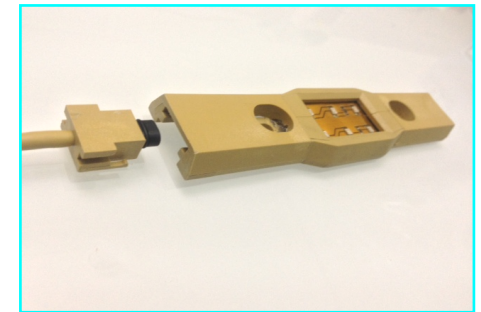
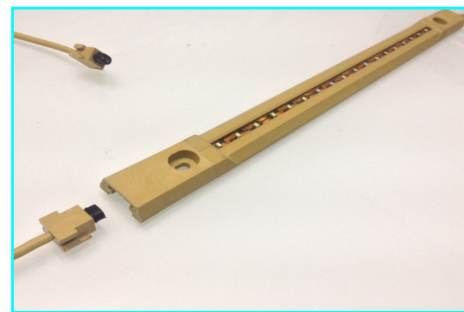
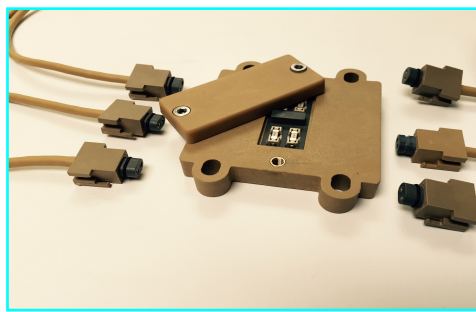


HaLO Egress Lighting

Mitigates post event risks by automatically illuminating vital escape routes, hatch mechanisms, and emergency equipment; thus improving the evacuation times of troops from the vehicle. With approx. 5000 delivered systems HaLO is a patent protected TRL 9 fully proven system with 8 + years of in-service experience and evolution. The system is:

- ➔ Blast/IED/crash, roll-over, water and flame (if used with fire suppression) activated.
- ➔ Powered by a 'fit once' 'sealed for life' ultra capacitor pack; no batteries required.
- ➔ Automated capacitor power for approx. 15 mins of full illumination if vehicle power is lost.
- ➔ Configurable to provide additional crew lighting options.
- ➔ In service with all US SOCOM MRAP / MATV platforms; UK Foxhound, Mastiff, Ridgback, Warthog, Buffalo, CW4x4, Husky, Fuchs, Warrior and Viking Platforms.
- ➔ Recently purchased for the USMC ACV1.1 and UK AJAX Platforms.
- ➔ Fully modular housings - cables lock into position when units are fitted to a backplate.
- ➔ Selected for UK MIV and MRVP Programs.



Tested Specification

Medium	Standards	Quotes
Environmental	DefStan 00-35 Part 3 Issue 4. CL5,C2,CL2,A1,CL6,B3 Mil Std 501.5 to 502.5	-46 to + 70 Deg C including humidity, solar heating and marine environments.
Salt Mist	DefStan 00-35 Part 3 Issue 4. Chapter 4-02 Test CN2	
Vibration	DefStan 00-35 Part 3 Issue 4 Chapter 2-03 Test M3; Mil Std 810F	
Ballistic Shock	32g 18ms to 500g 2ms, (all axis) DefStan 00-35 Part 3 Issue 4 Chapter 2-03 Test M3	Extreme shock for armoured fighting vehicles.
Light Performance (Luminance)	7700 cd/m sq, exceeding Mil - PRF-85676A (AS). NATO STANAG 3870&3224 Note: the measure of illuminance (Lux) is not applicable to escape lighting.	Optimised for penetration in turbid water.
EMC/V	DeStan 59-411 Part 3 I1; Mil Std 461; DEFSTAN 61-5 Part 6 Issue 6; Mil Std 501.5 to 502.5. MIL STD 465C. ISO 10605:2008 Lightning Strike to STANAG 4236.	Whole Platform EMC testing may be required by vehicle OEM as required.
Water resistance	IEC 60529 DefStan 0035, P3 Issue 4, CL29 Mil Std 810G 512.5. Fresh and Salt Water.	Proven to 10m. 2 Bar AP
Contaminates	DefStan 00-35 Part 3 Issue 4 Section 11; Chapter 4-04 Test CN4. Mil Std 810G 504.1	
NVG	In-service tested in an operationally representative environment; inc 8 years in-service experience.	No blooming encountered.
Altitude	DefStan 00-35 Part 3 Issue 4 Test CL21 (A,B,C) CL15 (A) CL9	
Dust	Def Stan 00-35, Ch3-25, CL25 Mil Std 810F 510.5	
Mould Growth	DefStan 00-35 Part 3 Issue 4. Test CN1.	28 Days Severity.
Freeze - Thaw	DefStan 00-35 Part 3 Issue 4 Test CL24	
Human Factors	Def Stan 00-250 P1	
Weight		8 to 10Kg Total.
Lights ON time	Battery Powered System - 4-5 hrs (fully illuminated) - 1 year service life. Capacitor Pack Powered System - unlimited use with vehicle power ON. 10 to 30 mins with loss of vehicle power (dependent on size on installation). 10 year service life.	With capacitor option; crew can use lights on an unlimited basis for training or general usage offering increased capability.

Patent protected unrivalled technology.: The AeroGlow International HaLO (Hatch Lighting & Orientation) System is protected by US patent US8253337B2, UK patent GB2472090, EU patent pending EP2278566. Furthermore HaLO is protected by various Europe-wide registered designs 001593153.

Proprietary Information and Design - Commercial in Confidence