

# saf-Tglo<sup>®</sup> eco E1<sup>™</sup>

## World's Narrowest Emergency Floor Path Marking System is Now Sustainable

saf-Tglo<sup>®</sup> eco E1<sup>™</sup>, delivers sustainability improvements across the product life cycle, without compromising passenger safety, performance, reliability, or aesthetics. Building on the inherent advantages of photoluminescence over electrical; improvements have been made across the product life cycle, based on extensive research.



Narrowest & Lightest



Sustainability Across Life Cycle



Proven Reliability and Performance

Bright ideas.  
Brilliant solutions.

 stg aerospace<sup>®</sup>

**Technical Specification**

**FAA / EASA**  
 FAA/EASA approved across the majority of aircraft types

**Power requirements**  
 Non-electrical, self-powered system, charged by ambient lighting

**UNLIMITED LIFESPAN**  
 No test coupon required meaning unlimited life span

**Charging time**  
 5 to 45 minutes, depending on aircraft type and customer requirements\*

**Performance**  
 Up to 21 hours approved dark duration\*

**Flammability**  
 Conforms to FAR/CS 25.853 and RTCA/DO-160G

**Durability**  
 Surpasses 20,000 cycle, 300lbs severe load galley cart test

**Radioactivity**  
 Non-radioactive

**Cleaning**  
 Warm water and soap or mild detergents recommended

**Environmental**  
 All products approved to RTCA/DO-160G

**Storage temperature**  
 -5°C to +80°C

**Operation temperature**  
 -25°C to +55°C

**UV stability**  
 MIL STD 810F

**Fluids resistance**  
 Resistant to a wide range of drinks and cleaning fluids

**Fungus resistance**  
 Fully resistant (non-nutrient materials)

\*Please contact STG Aerospace regarding your particular requirements.

**Improved Sustainability Across Life Cycle**



Patented improvements have been made across the life cycle to give holistic, informed results. Where possible resources utilised have been minimised, product process improved and the risk of poor disposal techniques mitigated, without reducing product performance or reliability. Improvements include:

- **Recycled materials**  
 Insert is produced using 80% post-consumer recycled waste and the track is made with 50% recycled polycarbonate.
- **No "forever plastics"**  
 A biodegradable additive within the track means it will biodegrade at end of life.
- **Water based resin**  
 Utilises a 100% water-based resin for the photoluminescent inserts, eliminating solvents.

**Same great aesthetic, certification and functionality**

Learning from the saf-Tglo® range Eco E1™ makes use of an All Models STC so all product variants, on all aircraft models are covered by a single STC.

The product uses the same photoluminescent pigments to ensure long duration glow properties remain unaltered. Eco E1™ is available in patented blue and green glow options. Available in 12 daylight colours with matt and gloss finishes as standard. Eco E1™ is an 11mm system, the narrowest on the market, and can be customised to match cabin colour schemes.

