liTeMood®

Reading Lights

Beautifully balanced, precise lighting
for increased passenger comfort

liTeMood® Reading Lights are designed with passenger comfort in mind. The unique square beam lighting profile improves brightness while limiting overflow to neighbouring passengers, harmonising passenger comfort and creating a private space with a greater sense of personal control.

- **Easily installed in minutes without removing the PSU**
- **Over 70% power usage reduction**
- **10 times more reliable than incandescent**
- **Patented LED design creates vivid, attractive on-board purchasing environment**

Bright ideas.
Brilliant solutions.

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liTeMood®

Technical Specification

FAA / EASA STC
Approval for Boeing 737 & 757 aircraft

Power requirements
28VAC and 28VDC

Power Saving
liTeMood® Reading Lights consume 70% less power in comparison to incandescent systems

Reliability
Greater than 10x traditional incandescent lights

Colorimetric Details
- Correlated Colour Temperature (CCT): 3500 - 4000k
- Colour Rendering Index (CRI): 90+
- High R9 > 85

Weight
Each LED unit is weight neutral

Installation Time
Each liTeMood® Reading Light is installed in just minutes with no special tools

Compatibility
Requires no modification to Passenger Service Units (PSUs)

Environmental
Environmentally tested and certified to RTCA/DO-160

Storage temperature
-55°C to +80°C

Operation temperature
-15°C to +55°C

Flammability
Conforms to FAR/CS 25.853 and RTCA/D0-160G

KIT Part Number
10-00006-01 (contains 3 x 10-00001-01)

Empower your passengers

liTeMood® Reading Lights are an easy-to-install drop in replacement for standard Boeing 737NG and 757 incandescent reading lights.

Our unique, patented, square lighting profile offers an optimal uniformity of light that creates a more private, restful and relaxing environment. Light is distributed evenly across the seating area and tray table, defining each space precisely without overflow on to neighbouring passengers. Visibility is improved, hot spots are removed and glare on tray tables, eBooks and tablets is reduced.

Minimised risk

Improved reliability reduces operational costs and lowers the thermal burden in the cabin.

A 70% power reduction increases on-board electrical efficiency.

Over 10x more reliable than incandescent lights, guaranteeing every passenger on-board a fully reliable reading light.

A solution that fits right in

No need to remove the existing reading light chassis from the passenger service unit - the simple, drop-in optical module can be retrofitted in minutes, meaning an entire aircraft can be upgraded in just a few hours.

Low risk, low cost solution: uses the existing interface, no crew training needed.

An improved reading environment

- The patented photometric design features a multi phosphor LED with a high CRI (Colour Rendering Index) and high R9 (high quality red pigment) which renders colours more vividly, making magazines more readable, in-flight meals more enticing and on-board merchandise more attractive for passengers.
- A strict CCT (correlated colour temperature) of 3500 – 4000K selected following extensive research into lighting and sleep patterns creates an enhanced reading environment.

IMPROVED RELIABILITY LOWERS THE THERMAL BURDEN IN THE CABIN

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saf-Tsign®

Premium Signage

saf-Tsign®

Self-illuminating photoluminescent signage

Emergency, informational and customer signage that is 100% fail-safe with zero running costs. saf-Tsign® is the first choice for commercial, military, OEMs and operators worldwide.

- **Easy to install and 100% fail safe**
- **Automatic activation, no switch on needed**
- **Highly visible in the dark, and long duration illumination**
- **Available in blue and green glow**

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saf-Tsign®

Technical Specification

EASA approved for the following

- Boeing
- Airbus
- Embraer
- Bombardier

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

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

Performance
C525.812 (b) (i) (ii). Initial performance >1273 mcd/m² (400 microlamberts)

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

Toxicity
Non-toxic, BSS7239, ATS1000/ABD0031 REACH Compliant

Radioactivity
Non-radioactive

Environmental
All products approved to RTCA/DO-160G

Storage temperature
-55°C to +80°C

Operation temperature
-20°C to +55°C

UV stability
MIL STD 810F

*Please call STG Aerospace regarding your particular requirements.

Green and patented blue glow available

100% fail-safe **photoluminescent signage**

With over 20 years' experience in developing photoluminescent signage, we have developed saf-Tsign® to perform when needed and meet the most stringent commercial and military regulations.

Solutions that won't fail you

- Clearly visible in the dark, and long duration illumination.
- A direct, low-cost replacement for tritium signs, eliminating disposal costs.
- Non-toxic and non-radioactive and no environmental hazards.
- Easy to install and 100% fail safe.
- Specially designed finishes to complement even the most demanding cabin designs.
- Non-powered, with no need for an electrical power source.
- Automatic activation, no switch on needed.
- Zero running costs.
- Range of custom options available.

Meets Commercial and Military Standards

Part: 27 & 29 compliant signage.

All products approved to RTCA/DO-160G.

Inherent near-infrared emission that's visible with night vision goggles.

Can be tailored by material selection and filtering to meet NIR emission operational requirements.

saf-Tsign® Night Vision meets MIL-STD-3009 Night Vision Radiance requirements for all classes of night vision.

Tailored to your needs

In addition to our standard range, we can design and produce custom signage solutions available in a range of premium finishes, shapes and sizes.

Whatever you're looking for, wherever you need it

Whether you're looking for effective on-board advertisement or a subtle visual prompt to **highlight** a power outlet socket, our signs can be customised to any message, size or shape, including:

- USB charging outlets
- Headphone sockets
- Seat numbers
- No e-cigarettes
- Branding and advertising

HIGHLY VISIBLE
IN THE DARK AND LONG DURATION ILLUMINATION

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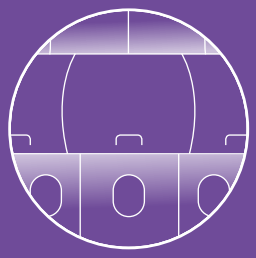
liTeMood®
Lighting system

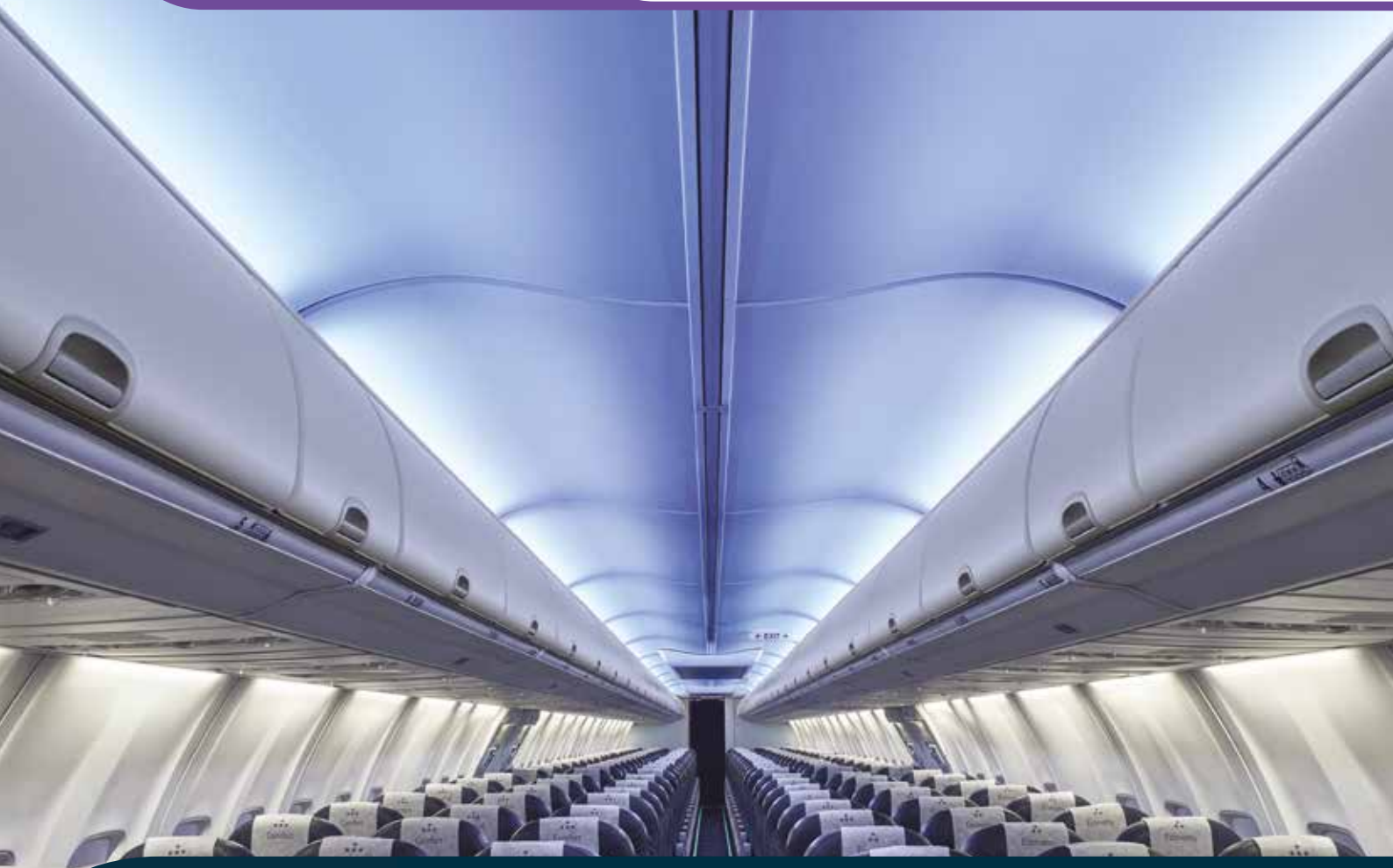
Boeing



liTeMood®

liTeMood® is an easy and affordable way for large commercial and regional aircraft to retrofit dated fluorescent lighting systems with the latest LED technology. Designed to work with existing wiring and interfaces, installation couldn't be simpler - just plug and play.

- **Can be installed easily in just six hours**
- **Up to 40kg weight saving on 757**
- **10 times more reliable than fluorescent lighting**
- **No changes required to aircraft wiring, connectors or controls**



Bright ideas.
Brilliant solutions.

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liTeMood®

Technical Specification

FAA / EASA
EASA (Minor Change Approval or STC) & FAA (STC) Approved for Boeing 737NG /757/ 737 Classic

Input Power Consumption
5.3W to 31.5W typical

Power Saving
Consumes 50% less power on 737NG or 757

Reliability
Greater than 10x original fit fluorescent lighting systems

Light Quality
- liTeMood® Bright Setting 4000 CRI: 83
- liTeMood® Blue Setting
- CCT: 22000 CRI:14

Weight Reduction
Up to 40kg less on 757

Operating Voltage
115V / 400 hz

Reliability
In excess of 800,000 hours

Dimension (long tube)
Ceiling 1830mm
Sidewall 906mm

Dimensions (short tube)
Ceiling 486mm
Sidewall 370mm

Environmental
Environmentally tested and certified to RTCA/DO-160

Compatibility
Fully compatible with all existing aircraft electrical systems, including; Bruce Aerospace, Diehl & Page Aerospace

Installation Time
liTeMood® is installed in under six hours

Meets Regulatory Charging Requirements
FAA and EASA approved for the charging of saf-Tglo®

Enhance your passengers' experience

liTeMood® is an affordable plug and play after market LED lighting solution designed to create an enhanced cabin and positively contribute to your passengers' well-being.

Crew can easily switch between several lighting levels, providing passengers with aesthetic cues to mark the various stages of flight. The unique patented wireless programmability function allows light and colour saturation levels to be tailored on board through an infrared interface without any changes to software, the aircraft, part number or certification.

liTeMood® includes a range of LED ancillary lights and improves the on-board light quality, thanks to excellent photometric design, delivering enhanced saturation, light spread and consistancy.

Lower maintenance costs

Easily installed in under six hours, without the need for specialist tools.

Uses existing aircraft wiring and connectors.

Controlled via the existing Flight Attendant Panel (FAP) with no modifications.

Over 10x more reliable than the original fit fluorescent lighting systems.

Enhanced interior lifespan, suppresses light flickering and cabin discolouration.

MTBF in excess of 800,000 hours.

Return on investment

- **Weight saving:** Up to 40kg weight reduction on 757, significantly reducing fuel burn.
- **Optimises the retail environment:** A high CRI (Colour Rendering Index) renders colours more vividly, making magazines more readable, in-flight meals more enticing and on board merchandise more attractive for purchase.
- **Harmonises cabin interiors across fleets:** Narrows the gap in cabin appearance between legacy aircraft and those installed with the latest OEM LED lighting, for a fraction of the price.
- **Reliability:** MTBF in excess of 800,00 hours means less spares, logistics, re-cycling and labour costs of replacing fluorescent tubes.

Trusted by

liTeMood® is currently delivering exceptional performance across multiple airlines in Europe, USA, Africa and Asia, including: Turkish Airlines, SpiceJet, Jejuair, TUI Group, Safair and Air Europa.

PROVEN PERFORMANCE

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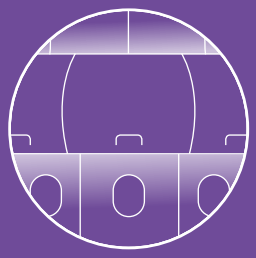
liteMood®

Lighting system

Airbus



liteMood®

Full colour, dynamic, plug and play, programmable after-market lighting solution that sets the scene in an instant. Certified and available for Airbus A320, A330 and A340 models.

- **Easily installed in just six hours**
- **Up to 45kg weight saving on A330**
- **16.7 million colours to choose from**
- **Uses OEM connections, significantly increasing system reliability**

Bright ideas.
Brilliant solutions.

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liTeMood®

Technical Specification

FAA / EASA
EASA (Minor Change Approval or STC) & FAA (STC)

Multi-model Approval
Not MSN specific

Input Power Consumption
Under 20W (for 36" unit)

Power Saving
A 55% reduction in power usage compared to incumbent system

Reliability
MTBF in excess of 800,000 operating hours

Weight
20kg reduction on A320 and 45kg for A330

Operating Voltage
115VAC 400HZ

Dimensions
Available in 18", 24"and 36"

Compatibility
Works with classic and enhanced CIDS

Installation Time
Under 6 hours

Meets Regulatory Charging Requirements
FAA and EASA approved for the charging of saf-Tglo®

Trusted by

liTeMood® is currently delivering exceptional performance across multiple airlines in Europe, USA and Asia, including: Turkish Airlines, SpiceJet, Jejuair, TUI Group, TAP Portugal and Air Europa.

Proven feel and performance

Delight your passengers and take them on a memorable journey with after market mood lighting system from **liTeMood®**.

The dynamic and configurable lighting system can be customised to any brand or scenario; helping you create a unique experience your passengers won't want to forget.

Re-creates all the functionality of the latest OEM systems, via an affordable plug and play retrofit.

Available for single and twin aisle Airbus aircraft, the system works with both classic and enhanced CIDS. The system is quickly and easily installed, requiring no changes to aircraft wiring, connectors or FAPs.

What makes STG's Airbus system truly unique

- Dynamic lighting function that offers fully customisable, animated scenes.
- Lighting profiles can be quickly changed after installation on-wing, in minutes, via our patented infrared data loader.
- Customise up to 12 lighting scenes on an A320 and up to 25 on an A330.
- Create bespoke scenes to commemorate anything from northern lights to national holidays.

Getting colour right

- Colours can be selected via appropriate RGB & RGBW colour blends.
- Smooth flicker-free operation to provide step-less dimming and seamless colour transitioning.
- With 16.7 million colours to choose from, all lighting aspects within the chosen shades are considered.
- Accurately reproduces the colours throughout the operational gamut of the unit.
- Unique calibration process optimises colour output.
- Utilises state-of-the-art colour science to remove subjective colour difference measurements.

Just plug and play

Fully plug-and-play, liTeMood® uses all existing wiring, connectors and flight attendant panels.

Works with both classic and enhanced CIDS.

Installed in just 6 hours (A320) liTeMood® really is a simple upgrade.

Maximising efficiencies

- Industry Leading Spectroradiometer - removes subjective colour difference measurements.
- High specification CREE LEDS flicker free lighting.
- Increased Reliability - offers an MTBF in excess of 800,000 operating hours.
- Fit for life - two temperature sensors to mitigate thermal ageing effects.
- Weight Saving - offers a 20kg saving on an **A320** and a 45kg reduction on an **A330**.
- Power Reduction - a 55% reduction in power usage compared to incumbent.

MTBF IN EXCESS OF **800,000 hours**

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saf-Tglo® blu

Emergency Floorpath Marking System

saf-Tglo® blu

The world's first blue glowing patented photoluminescent floor path marking system

Blending critical safety performance with enhanced interior aesthetics, saf-Tglo® blu illuminates the exit ways with a soothing blue tone that provides optimum cabin appearance without compromising passenger safety.

- **100% reliable and no power source required**
- **Reduces maintenance and operational costs**
- **Up to 21 hours approved dark duration**
- **Fungus resistant**

Bright ideas.
Brilliant solutions.

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saf-Tglo®

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

Toxicity
Non-toxic, BSS7239, ATS1000/ABD0031 REACH Compliant

Radioactivity
Non-radioactive

Cleaning
Warm water and soap or mild detergents recommended

Environmental
All products approved to RTCA/DO-160G

Storage temperature
-55°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 call STG Aerospace regarding your particular requirements.

In with the blu

saf-Tglo® blu is the latest evolution of our market-leading saf-Tglo® photoluminescent emergency floor path marking system.

The unique, patented design shifts away from the traditional green glow to an aesthetically pleasing cool blue that harmonises cabin interiors while still conforming to the same critical regulatory performance standards.

Passenger experience benefits

- Improves the cabin environment by removing the safety connotations of the emergency track, creating a calmer, more restful scene that reduces passenger stress levels without compromising safety.
- Improves the on-board experience by offering a subtle source of ambient lighting during the darkest stages of the flight.

Not just a safety requirement

- Complements airline colour schemes and brand identities and helps the customer to differentiate their experiences.
- Blends seamlessly with modern mood lighting systems, creating a uniformity of light throughout the cabin.

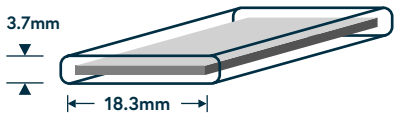
Return on investment

100% reliable and no power source required - simply charged by the cabin lighting within minutes.

Reduces maintenance and operational costs by eliminating delays and cancellations due to failed electrical egress lighting.

The SuperSeal UltraLite® System

- The narrowest, lightest and most discreet floor path marking solution available, saf-Tglo® blu is available in over 300 colours and in an OverCarpet™ option to hide and conceal carpet edges.



SURPASSES **20,000** GALLEY CART TESTING CYCLES AT **300lbs**

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