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.

- **Can be installed easily in just minutes**
- **Over 70% power usage reduction**
- **10 times more reliable than halogen**
- **Patented LED design creates vivid, attractive on-board purchasing environment**

Bright ideas.
Brilliant solutions.

stg aerospace®

liTeMood®

Technical Specification

FAA / EASA STC
Approval for Boeing 737 & 757 aircraft

Power requirements
28VAC or 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, > 50

Weight
Each LED module unit is weight neutral

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

Compatibility
Requires no modification to PSU (Passenger Service Unit) systems

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

Patent Information
Patent pending

KIT Part Number
0-00006-01 (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 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 halogen 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 informed by research into lighting and sleep patterns creates an enhanced reading environment.

Passenger Safety

The tamper-proof module simply locks into the existing incumbent OEM housing with no need to remove the light fitting or PSU.

IMPROVED RELIABILITY LOWERS THE THERMAL BURDEN IN THE CABIN

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stg aerospace®

saf-Tglo®

Emergency Floorpath Marking System

The highest performing photoluminescent marking system available

saf-Tglo® is the market-leading photoluminescent floor path marking system, chosen by numerous aircraft OEMs and installed on over 11,000 aircraft worldwide. It's easy to fit, completely sealed, hard-wearing, long-lasting, low-weight, low-cost, low-maintenance and certified for installation on virtually every type of aircraft.

- **Over 300 colour options to reflect airline colour schemes**
- **No test coupon required, meaning unlimited life span**
- **Up to 20 hours approved dark duration**
- **Robust and reliable design**

Bright ideas.
Brilliant solutions.

stg aerospace®

saf-Tglo®

Technical Specification

FAA / EASA / CAAC
FAA, EASA and CAAC approved for over 80 aircraft models

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 20 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.

Light you can depend on

With no electrical power source needed, the saf-Tglo® system is 100% reliable. It simultaneously stores and emits light, providing a highly visible emergency exit path after just a short charging period during normal cabin lighting.

Choose your colour

Over 300 colour options to reflect airline colour schemes.

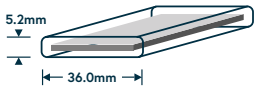
Match existing carpet and vinyl pattens with the exclusive PatternMatch™ and BrandMatch™ service.

Choose to conceal carpet edges

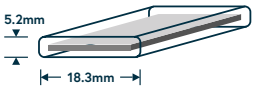
OverCarpet™ option is a simple accessory with fillers for height.

Hides carpet edges and makes installation easier.

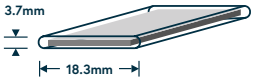
SuperSeal®
Weight 237g/m



SuperSeal Lite®
Weight 106g/m



SuperSeal UltraLite®
Weight 75g/m



Choose from 2 widths

- Narrowest system available on the market.
- Completely sealed - no risk of fluid ingress.
- Robust and reliable design.

Choose from 3 profiles

- The thinnest profile available.
- Galley and non-textile flooring options available.
- Unique patented design.

saf-Tglo® blu

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

saf-Tglo® blu illuminates exit ways with a soothing blue tone to provide optimum cabin appearance without compromising passenger safety.

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

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saf-Tsign®

Premium Signage

Designed to perform
in times of need

Photoluminescent emergency, informational and tailored 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**
- **Zero running costs**

Bright ideas.
Brilliant solutions.

stg aerospace®

saf-Tsign®

Technical Specification

FAA / EASA approved for the following

- Boeing
- Airbus
- Embraer
- Bombardier
- Leonardo S.p.A
- Bell Helicopter
- Airbus Helicopter

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
Up to 14 hours approved dark duration*

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-160

Storage temperature
-55°C to +80°C

Operation temperature
-25°C to +55°C

UV stability
MIL STD 810F

*Please call STG Aerospace regarding your particular requirements.

Designed to perform in times of need

With over 20 years' experience in developing photoluminescent signage, we have developed saf-Tsign® to perform in times of need 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.

Meets Commercial and Military Standards

Part: 27 & 29 compliant signage.

Reflective photoluminescent technology.

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 bespoke signage solutions available in a range of premium finishes.

Whatever you're looking for, wherever you need it

Whether you're looking for effective on-board advertisement or a subtle source of lighting 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
- Power outlet sockets

HIGHLY VISIBLE
IN THE DARK AND LONG DURATION ILLUMINATION

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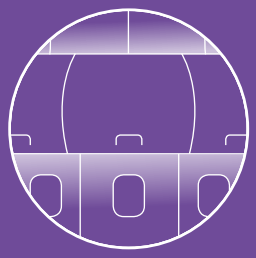
liTeMood®
Lighting system

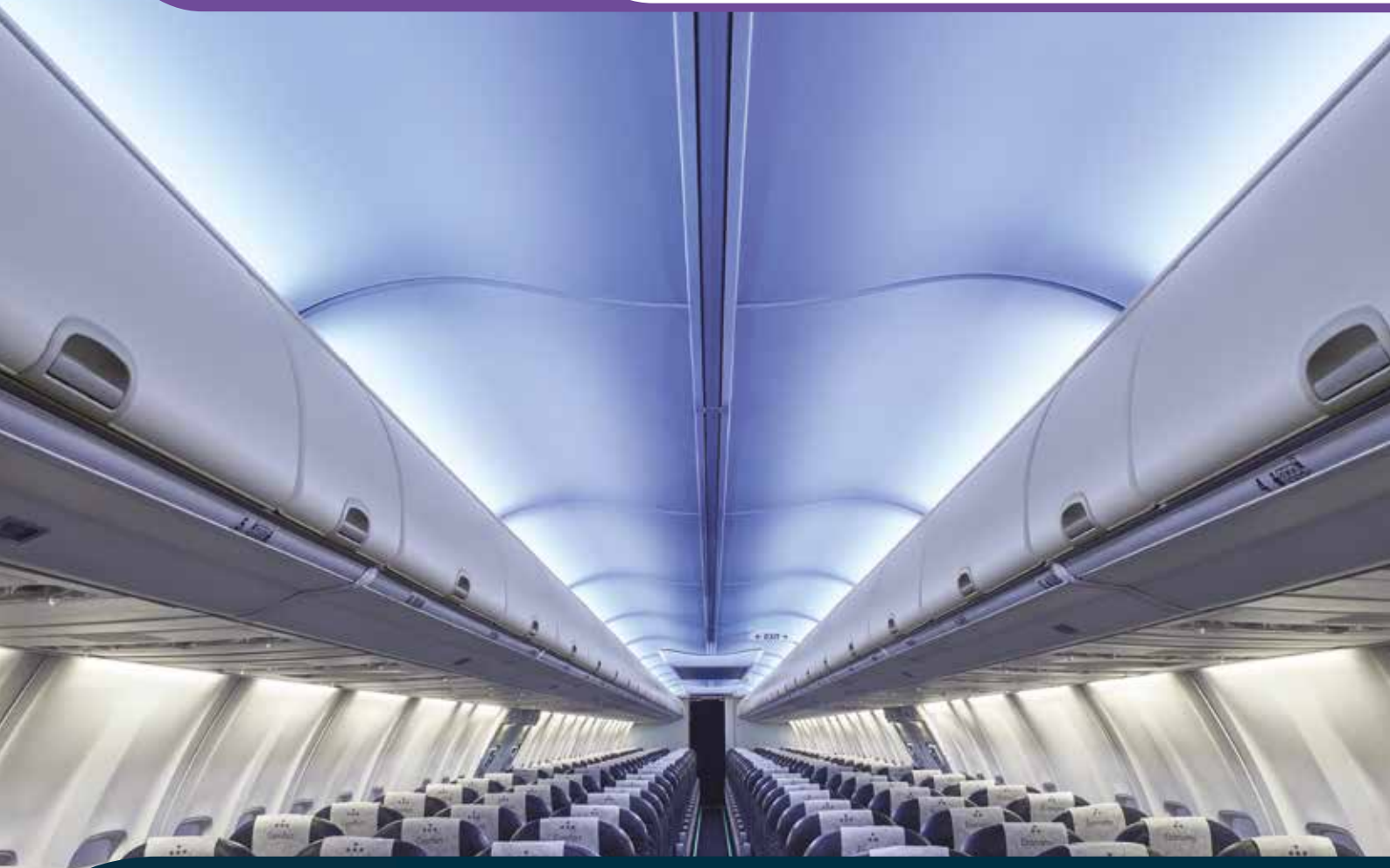


liTeMood®

Boeing

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 eight hours**
- **Uses 50% less power than traditional lighting systems**
- **10 times more reliable than halogen**
- **Fully compatible with existing aircraft electrical systems**



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

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 36.5kg less on 757

Operating Voltage
115V / 400 hz

MTBF Rate
In excess of 100,000 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 just 8 hours

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

Enhance your passengers' experience

liTeMood® is an affordable after-market bi-colour mood 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® also improves the on-board light quality, thanks to excellent photometric design and strict LED bin control that delivers enhanced saturation, light spread and consistency.

Lower maintenance costs

- Can be installed easily in just eight hours, without the need for specialist tools.
- Fully compatible with existing aircraft electrical systems.
- Controlled via the existing interface - no need for expensive crew training.
- Over 10x more reliable than the original fit fluorescent lighting systems.
- Enhanced interior lifespan, suppresses light flickering and cabin discolouration.
- MTBF in excess of 100,000 hours.

Return on investment

- Weight saving: Up to 40kg weight reduction on 737 or 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.
- **More efficient:** Uses 50% less power than traditional fluorescent lighting systems, increasing aircraft electrical efficiency.

Trusted by

liTeMood® is currently delivering exceptional performance across multiple airlines in Europe, USA and Latin America, including: Miami Air, TUI Group, La Compagnie, Air Europa and Titan Airways.

BI-COLOUR SYSTEM

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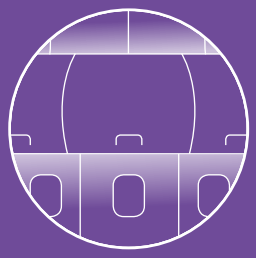
liteMood®

Lighting system

Airbus



liteMood®

Full colour, plug-and-play, programmable after-market lighting solution that sets the scene in an instant. Our latest innovation in cabin lighting available for A320, A330 and A340 families.

- **Can be installed easily in just six hours**
- **55% reduction in power usage**
- **16.7 million colours to choose from**
- **Works with both classic & enhanced CIDS**

Bright ideas.
Brilliant solutions.

stg aerospace®

liTeMood®

Technical Specification

FAA / EASA
EASA Minor MOD & 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 55,000 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 ChargingRequirements
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 Latin America, including: Miami Air, TUI Group, La Compagnie, Air Europa and Titan Airways.

Proven feel and performance

Delight your passengers and take them on a memorable journey with aftermarket 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.

Available for retrofit on single and twin aisle Airbus aircraft, the affordable plug-and-play system works with both classic and enhanced CIDS, installed in under 6 hours (A320) and requires no changes to hardware or flight attendant panels.

What makes STG's Airbus system truly unique

- Dynamic lighting function that offers fully customisable, animated scenes.
- We can change your scenes post installation in just minutes via our patented infrared wand.
- 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.
- Offers logarithmic dimming for 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 Frequency - guarantees flicker free lighting.
- Increased Reliability - offers an MTBF in excess of 55,000 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 **55,000 hours.**

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stg aerospace®

saf-Tglo® blu

Emergency Floorpath Marking System

The world's first blue glowing 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 20 hours approved dark duration**
- **Fungus resistance**

Bright ideas.
Brilliant solutions.

stg aerospace®

saf-Tglo®

Technical Specification

FAA / EASA
FAA/EASA approved across the majority of Boeing, Airbus and Embraer 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 20 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.

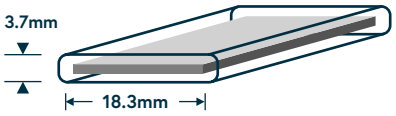
Return on investment

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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stg aerospace®

saf-tsign®

Passenger Service Units

saf-tsign®

Affordable solutions to modernize Passenger Service Units

Upgrade dated passenger service units with high quality lighting while customising the ageing units with tailored messaging to suit your passenger's needs. A powerful combination from photoluminescent and LED technology.

- **Simple, fast installation**
- **10x more reliable than halogen bulbs**
- **Fully customisable**
- **Cost effective**

Bright ideas.
Brilliant solutions.

stg aerospace®

saf-tsign®

PSU Lens Options

Generic
Taking one of our off the shelf versions of the PSU lens, designed with passengers in mind:

- Wireless ON/OFF indicator
- No Smoking sign supported by photoluminescence
- Fasten Seat Belt Sign

Custom
Create your own icon in the left panel, with No Smoking sign supported by Photoluminescence, and Fasten Seat Belt sign on the far right.

Custom + LEDs
To complete the modernisation of the Passenger Service Unit, STG Aerospace offer LED lamps that have been optimised for application providing a clean, consistent, diffused white light, with substantially extended lifetime.

liTeMood®

Reading Lights

Complete the upgrade with liTeMood® LED Reading lights, designed to create a more private, restful and relaxing environment through its unique patented square lighting profile. Light is distributed evenly across the seating area and tray table, defining each space precisely without spilling over to neighbouring passengers.

A simple retrofit solution for effective messaging

The PSU (Passenger Service Unit) lens, which is a standard component on-board 737 and 757 aircraft, indicates no-smoking and fasten seatbelt commands during flight using a halogen back-light source.

By re-configuring and re-positioning icons, the PSU lens is a cost-effective, easy to install solution to provide effective, customised messaging to all passengers on-board.

Complete the look by replacing halogen back-light lights with a direct, filtered white LED's and the latest square beam reading light for a truly modernised Passenger Service Unit.

Effective messaging

- With 'No Smoking' on aircraft considered as an industry standard, the symbol has been repositioned to the centre of the sign using innovative photoluminescent materials, ensuring the sign is always visible even in low light and dark conditions. Allowing airlines to fully customise the left hand switchable display on the lens, which can be customised to any message (i.e. Wi-Fi, IFE).

Long-term return on investment

Asides to the obvious aesthetic benefits, the PSU lens is lighter than its incumbent, while the LED's will last 10x longer than incandescent lamps – offering a lighter, more reliable solution.

Simple installation

A simple clip-in installation process means that switching to the PSU lens takes just a couple of minutes, while an entire aircraft could be retrofitted in just a few hours.

Wifi PSU Lens

Wireless ON/OFF indicator | No Smoking sign supported by Photoluminescence | FSB

Custom PSU Lens

Custom icon | Custom sign supported by Photoluminescence | FSB

COST-EFFECTIVE, EASY TO INSTALL SOLUTION TO PROVIDE EFFECTIVE, CUSTOMISED MESSAGING TO ALL PASSENGERS ON-BOARD.

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STG_PSU_DS_03_18

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