

# 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



liteMood®



Bright ideas.  
Brilliant solutions.

 **stg aerospace®**

# 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/DO-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.



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