

liteMood®

Beautifully balanced, precise lighting for increased passenger comfort

liTeMood® Reading Lights are designed with passenger comfort in mind. Featuring a unique square beam lighting profile, that improves visibility, without spilling over onto neighbouring passengers. Creating a more restful, private space with a greater sense of personal control.



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Bright ideas.
Brilliant solutions.




 **stg aerospace**®

Passenger comfort and control first



liTeMood® Reading Lights are an affordable 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 spilling over to neighbouring passengers. Visibility is improved, hot spots are removed, and glare on tray tables, eBooks and tablets is reduced.



Minimised risk

-  Over 100x more reliable than halogen lights, guaranteeing every passenger on-board a fully reliable reading light.
-  A 70% power reduction increases on-board electrical efficiency.
-  Improved reliability reduces operational costs and lowers the thermal burden in the cabin.

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 purchase.
-  A strict CCT (correlated colour temperature) of 3500 – 4000K informed by research into lighting and sleep patterns creates an enhanced melatonin balanced reading environment.

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



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LTM_RL_DS_03_18

Technical Specification

Approvals

FAA/EASA Minor Change Approval for Boeing 737 & 757 aircraft

Power requirements

28VAC & 2VDC

Power Saving

liTeMood® Reading Lights consume 70% less power in comparison to halogen systems

Reliability

Greater than 100x traditional incandescent light

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-160G

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

Patent Information

Patent pending

KIT Part Number

0-00006-01 (contains 3 x 10-00001-01)