LED Wash Lights
1005-X1X-001

UTC Aerospace Systems

Where ingenuity takes off™
UTC Aerospace Systems presents its latest LED wash light system which provides general illumination for cabins, galleys and lavatories of commercial single aisle and wide-body airplanes.

Benefitting from the UTC Aerospace Systems culture of continuous improvement, this latest product incorporates advanced LED control techniques that build upon the knowledge and in-service experience gained from previous LED lighting programs.

Advantages include a lightweight, but robust aluminum and plastic housing incorporating a sophisticated optical design.

**Uniform white or full color illumination**

Customers may choose between the white only and the full color variants. Both types of wash lights are identical in form, fit and their interface to the cabin management system. The white only units 1005-01X-001 use high brightness white LEDs that can be tuned through the addition of low intensity red, green and blue LEDs to provide any shade of white from warm to cool white. LED selection and calibration processes ensure complete homogeneous light both from within the unit and unit to unit.

The full color wash lights 1005-21X-001 contain white, red, green and blue LEDs for endless color options. The addition of a fifth primary amber LED supports a better color rendering and color depth of warm tones reminiscent of sunrise and sunset.

**Full data control by cabin management system**

These fully dimmable wash lights operate on 28 V DC. The control interface is a modular design than can accommodate either discrete or data commands from industry standard protocols typically used for controlling cabin lighting.

Each unit is configurable to have its own address thereby providing operators complete flexibility when defining cabin lighting scenes.

**Significant weight savings and overall cost reduction**

In comparison to fluorescent lighting, these units provide operators with the benefits now firmly associated with LED technology namely reduced power consumption, increased reliability, providing reduced maintenance costs over the life of the aircraft.

The housing design accommodates a quick release mounting system for easy installation and unit replacement.
LED Wash Lights | 1005-X1X-001

Technical Data:

- Operating Voltage: 28 V DC
- Further data: see variant table

Variant Table

<table>
<thead>
<tr>
<th>Part-Number</th>
<th>Light Color</th>
<th>Length (In/Inches)</th>
<th>Operating Current</th>
<th>Power Consumption</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1005-010-001</td>
<td>White</td>
<td>49.75'/1,263.65 mm</td>
<td>785 mA</td>
<td>22 W max.</td>
<td>1.14 lb/518 g</td>
</tr>
<tr>
<td>1005-012-001</td>
<td>White</td>
<td>20.25'/514.35 mm</td>
<td>360 mA</td>
<td>10 W max.</td>
<td>0.52 lb/236 g</td>
</tr>
<tr>
<td>1005-014-001</td>
<td>White</td>
<td>36.25'/920.75 mm</td>
<td>607 mA</td>
<td>17 W max.</td>
<td>0.84 lb/382 g</td>
</tr>
<tr>
<td>1005-016-001</td>
<td>White</td>
<td>33.5'/850.9 mm</td>
<td>570 mA</td>
<td>16 W max.</td>
<td>0.79 lb/358 g</td>
</tr>
<tr>
<td>1005-017-001</td>
<td>White</td>
<td>28.5'/723.9 mm</td>
<td>500 mA</td>
<td>13 W max.</td>
<td>0.69 lb/312 g</td>
</tr>
<tr>
<td>1005-018-001</td>
<td>White</td>
<td>12.5'/317.5 mm</td>
<td>250 mA</td>
<td>7 W max.</td>
<td>0.37 lb/167 g</td>
</tr>
<tr>
<td>1005-210-001</td>
<td>Full Color</td>
<td>49.75'/1,263.65 mm</td>
<td>785 mA</td>
<td>22 W max.</td>
<td>1.14 lb/518 g</td>
</tr>
<tr>
<td>1005-212-001</td>
<td>Full Color</td>
<td>20.25'/514.35 mm</td>
<td>360 mA</td>
<td>10 W max.</td>
<td>0.52 lb/236 g</td>
</tr>
<tr>
<td>1005-214-001</td>
<td>Full Color</td>
<td>36.25'/920.75 mm</td>
<td>607 mA</td>
<td>17 W max.</td>
<td>0.84 lb/382 g</td>
</tr>
<tr>
<td>1005-216-001</td>
<td>Full Color</td>
<td>33.5'/850.9 mm</td>
<td>570 mA</td>
<td>16 W max.</td>
<td>0.79 lb/358 g</td>
</tr>
<tr>
<td>1005-217-001</td>
<td>Full Color</td>
<td>28.5'/723.9 mm</td>
<td>500 mA</td>
<td>13 W max.</td>
<td>0.69 lb/312 g</td>
</tr>
<tr>
<td>1005-218-001</td>
<td>Full Color</td>
<td>12.5'/317.5 mm</td>
<td>250 mA</td>
<td>7 W max.</td>
<td>0.37 lb/167 g</td>
</tr>
</tbody>
</table>
Perfect fit

Mounting brackets for easy installation

The wash light units are mounted above the luggage bins to illuminate the ceiling and below the bins for the side wall illumination.

Specially designed mounting brackets for ceiling and side wall installation will hold the wash lights firmly in place, once they are clipped in.

Ceiling installation

Side wall installation

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