LED Wash Light Retrofit
2LA45665Y-XX
UTC Aerospace Systems’ new wash light retrofit system offers operators a full LED cabin lighting solution for commercial single aisle and wide-body airplanes.

The units were designed to replace current ceiling and side wall fluorescent tubes and are STC certified.

According to the customer’s requirements, they may be configured as white only or full color variants. Without any change to the cabin management system or aircraft wiring, this system provides full color lighting scenes.

Uniform illumination and outstanding color performance

Thanks to the optical design, these new LED wash lights feature an absolutely homogeneous light output with exceptional color matching throughout the whole cabin, entrance areas and lavatories.

A combination of white, amber, red, green and blue LEDs offers endless color preset options. The variant examples presented in this brochure feature presets from deep blue to white. The fade time between these scenes may also be selected, allowing slow subtle changes in the cabin ambiance. UTC Aerospace Systems can offer any color and fade time combination upon request.

Plug and play – no modifications required

These LED wash lights simply replace the integrated fluorescent light fixtures, utilizing the existing electrical interface and mounting provisions. No aircraft modification is required or any change to the cabin management system.

Significant weight savings and overall cost reduction

This new product incorporates a great number of improvements based on the experiences that UTC Aerospace Systems has gained with previous generations of LED lighting products.

The lightweight, but robust, plastic construction and the compact design, with a fully integrated power supply and cabin management interface, result in noteworthy weight reduction.

In comparison to fluorescent lighting, these units feature a significantly lower power consumption. In addition, the maintenance costs decrease thanks to a longer lifetime of the LED lights. This leads to substantial overall cost savings.

With the LED wash lighting evenly illuminating the cabin interior, the operators can reinforce their brand by adding color lighting to enhance the passenger’s flying experience. Small Planet Airlines for example chose a number of color presets inspired by their logo and the seats’ antimacassars.
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Technical Data:

- Operating Voltage: 115 VAC
- Power Consumption: see variant table
- Light Colors: see variant table
- Light Intensity: min. 130 cd by single light strip of 471 mm
- Beam Spread: min. 70 % of peak at ± 20° (transversal)
- Connection: see variant table
- Weight: see variant table
- Variant Description: Y = length
                        XX = color and location

The following variant examples feature presets from night blue to white with warm sunrise colors for the side walls. Upon request, UTC Aerospace Systems can also offer any other color arrangement preset.

2LA456653-XX, 654-XX, 655-XX

with Amphenol-Air LB Series 3357 Push-Pull Connector ABS1019-004-APC; applicable for Airbus aircraft enhanced cabin; works with enhanced Cabin Intercommunication Data System (CIDS).

<table>
<thead>
<tr>
<th>Part-Number</th>
<th>Location</th>
<th>Color Presets</th>
<th>Length</th>
<th>Weight</th>
<th>Power Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>2LA456653-00</td>
<td>ceiling</td>
<td>daylight white/warm white/night blue</td>
<td>471 mm</td>
<td>0.265 kg</td>
<td>15 W max.</td>
</tr>
<tr>
<td>2LA456654-01</td>
<td>side wall</td>
<td>night blue/warm white/sunrise</td>
<td>625 mm</td>
<td>0.320 kg</td>
<td>18 W max.</td>
</tr>
<tr>
<td>2LA456655-02</td>
<td>entrance</td>
<td>daylight white/warm white/night blue</td>
<td>931 mm</td>
<td>0.425 kg</td>
<td>21 W max.</td>
</tr>
</tbody>
</table>

2LA456650-XX, 651-XX, 652-XX

with Amphenol-Air LB Series 1720 Push-Pull Connector ABS0364B10P; applicable for Airbus aircraft classic cabin; works with legacy Cabin Intercommunication Data System (CIDS).

<table>
<thead>
<tr>
<th>Part-Number</th>
<th>Location</th>
<th>Color Presets</th>
<th>Length</th>
<th>Weight</th>
<th>Power Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>2LA456650-00</td>
<td>ceiling</td>
<td>daylight white/warm white/night blue</td>
<td>471 mm</td>
<td>0.265 kg</td>
<td>15 W max.</td>
</tr>
<tr>
<td>2LA456651-01</td>
<td>side wall</td>
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<td>0.425 kg</td>
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</tr>
</tbody>
</table>
Perfect fit

Airbus A320 Enhanced Cabin LED wash light installation

Side wall installation

Ceiling installation

This document does not contain any export controlled technical data.

For additional information:
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