Executive Lighting
Business and VIP jets are as individual as their passengers. The design, quality and functionality of aircraft interiors must meet our customers' highest requirements. Customers place great importance on the ability to select high class materials for their aircraft.

Having understood how much the appearance of these selected interior materials depends on the light provided, UTC Aerospace Systems has put a lot of research into the development of high quality and state-of-the-art LED cabin lights. They feature a significantly high Color Rendering Index, which makes the interior of the cabin look very natural. Regarding the physiological effect of light, they furthermore provide a well-received light output.

With their timeless design and their high quality plated finish, UTC Aerospace Systems' executive lighting products add to the high class ambience and character of the aircraft interior. The plating of Reading Lights and Air Outlets, Dome Lights, Stair Lights and Indicator Signs may be gold, chrome or any other metal – either glossy or lustreless.

While this brochure outlines a few selected executive lighting products, there are plenty of options available which are not listed here. For further information and individual inquiries please contact UTC Aerospace Systems.

**Experience and Know-how**

UTC Aerospace Systems has more than 20 years of experience in the use of LED technology and was the first to develop an LEDreading light for series production in aircraft. Since then, the company has produced more than 500,000 lights.
LED Reading Lights | 2LA455584-XX and 2LA455585-XX

- High class full aluminum housing
- Adjustable by passenger
- Without current regulation

**Technical Data:**
- Operating Current: 0.22 A (regulated)
- Power Consumption: 6 W max.
- Color Temperature: 5,600 K
- Mounting Hole: Ø 60.1 mm
- Connection: 2 socket contacts acc. to SAE AS 39029
- Lens: biconvex
- Lifetime: 24,000 h
- Weight: 0.18 kg/0.4 lbs max.

**Current Regulation 8ES455406-01**
- Operating Voltage: 28 V DC or AC
- Operating Current: 250 mA max.
- Power Consumption: 7 W max.
- Output Current: 240 mA
- Input Connector: 2 x AMP FASTON contacts 4.8 mm
- Output Connector: 2 pin contacts acc. to SAE AS39029
- Fault Polarity Protection
- Soft Start
- Weight: 0.020 kg/0.044 lbs max.

**Current Regulation 8ES455406-11**
Same technical data as -01, but:
- Dimmable with external potentiometer 4.7…10 kΩ
- Weight: 0.040 kg/0.088 lbs max.

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<table>
<thead>
<tr>
<th>Part-Number</th>
<th>Beam Spread (10%)</th>
<th>Typical Installation Height</th>
<th>Illuminance at Center Line</th>
<th>Plating*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2LA455584-58</td>
<td>Wide (36°)</td>
<td>1,000 mm/39.4°</td>
<td>150 lux min.</td>
<td>Bright Gold 18 KT</td>
</tr>
<tr>
<td>2LA455585-25</td>
<td>Very Wide (44°)</td>
<td>1,041 mm/41°</td>
<td>60 lux min.</td>
<td>Fine Satin Chrome</td>
</tr>
</tbody>
</table>

* Different platings available; non plated version available (dash -99) for individual finishing.
LED Reading Lights | 2LA455586-XX, 2LA455587-XX and 2LA455588-XX

- High class full aluminum housing
- Adjustable by passenger
- With current regulation

Mounting example

![Mounting example](image)

**Technical Data:**

- Operating Voltage: 28 V DC
- Power Consumption: 7 W max.
- Color Temperature: 5,600 K
- Mounting Hole: Ø 60.1 mm
- Connection: 2 AMP FASTON contacts 4.8 mm
- Lens: biconvex
- Lifetime: 24,000 h
- Weight: 0.25 kg/0.55 lbs max.

<table>
<thead>
<tr>
<th>Part-Number</th>
<th>Beam Spread (10%)</th>
<th>Typical Installation Height</th>
<th>Illuminance at Center Line</th>
<th>Plating*</th>
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</thead>
<tbody>
<tr>
<td>2LA455586-16</td>
<td>Narrow (25°)</td>
<td>1,000 mm/39.4”</td>
<td>150 lux min.</td>
<td>Antique Copper</td>
</tr>
<tr>
<td>2LA455587-16</td>
<td>Wide (36°)</td>
<td>1,000 mm/39.4”</td>
<td>150 lux min.</td>
<td>Antique Copper</td>
</tr>
<tr>
<td>2LA455587-58</td>
<td>Wide (36°)</td>
<td>1,000 mm/39.4”</td>
<td>150 lux min.</td>
<td>Bright Gold 18 KT</td>
</tr>
<tr>
<td>2LA455588-40</td>
<td>Very Wide (44°)</td>
<td>1,041 mm/41”</td>
<td>60 lux min.</td>
<td>Antique Copper</td>
</tr>
</tbody>
</table>

* Different platings available; non plated version available (dash -99) for individual finishing.
LED Reading Lights | 2LA455563-XX

- Adjustable by passenger
- Without current regulation
- Non-adjustable variant: 2LA455163-XX

**Technical Data:**
- Operating Current: 0.24 A (regulated)
- Power Consumption: 6 W max.
- Color Temperature: 5,600 K
- Mounting Hole: Ø 60.1 mm
- Connection: mating with connector 8JA411029-00 (part of current regulation)
- Lifetime: 24,000 h
- Weight: 0.115 kg/0.254 lbs max.

**Current Regulation 8ES455406-02**
- Operating Voltage: 28 V DC or AC
- Operating Current: 250 mA max.
- Power Consumption: 7 W max.
- Output Current: 240 mA
- Input Connector: 2 x AMP FASTON contacts 4.8 mm
- Output Connector: 8JA411029-00
- Fault Polarity Protection
- Soft Start
- Weight: 0.030 kg/0.07 lbs max.

<table>
<thead>
<tr>
<th>Part-Number</th>
<th>Beam Spread (10%)</th>
<th>Typical Installation Height</th>
<th>Illuminance at Center Line</th>
<th>Lens</th>
<th>Plating</th>
</tr>
</thead>
<tbody>
<tr>
<td>2LA455563-06</td>
<td>Wide (25°)</td>
<td>1,150 mm/45.276&quot;</td>
<td>150 lux min.</td>
<td>Fresnel</td>
<td>Chrome Colored</td>
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<tr>
<td>2LA455563-26</td>
<td>Wide (25°)</td>
<td>1,150 mm/45.276&quot;</td>
<td>150 lux min.</td>
<td>Biconvex</td>
<td>Chrome Colored</td>
</tr>
<tr>
<td>2LA455563-53</td>
<td>Narrow (22°)</td>
<td>1,700 mm/66.929&quot;</td>
<td>100 lux min.</td>
<td>Fresnel</td>
<td>Chrome Colored</td>
</tr>
<tr>
<td>2LA455563-60</td>
<td>Wide (25°)</td>
<td>1,150 mm/45.276&quot;</td>
<td>150 lux min.</td>
<td>Fresnel</td>
<td>Gold Colored</td>
</tr>
<tr>
<td>2LA455563-61</td>
<td>Narrow (22°)</td>
<td>1,700 mm/66.929&quot;</td>
<td>100 lux min.</td>
<td>Fresnel</td>
<td>Cold Colored</td>
</tr>
</tbody>
</table>
LED Reading Lights | 2LA455947-XX and 2LA455948-XX

- High class full aluminum housing
- Adjustable by passengers
- With current regulation
- 2LA455947-XX with Emergency Function

Technical Data
Reading Light:
- Operating Voltage: 28 V DC
- Operating Current: 160 mA ± 15 %
- Color Temperature: 2,800 K
- Weight: 0.21 kg/0.45 lbs max.

Technical Data
Emergency Function (only 2LA455947-XX):
- Operating Voltage: 6 V DC (2x)
- Operating Current: 220 mA ± 15 %

Different platings available; non plated version available (dash -99) for individual finishing.
LED Trumpet Lights

Technical Data:

- **Operating Current:** 80 mA ± 5% max.
- **Power Consumption:** 2 W max.
- **Color Temperature:** 5,600 K
- **Available Plating:** High Glossy Chrome and Wheat Colored
- **Connection:** mating with connector 8JA411029-00 or adapter 8JA411545-00 for AMP FASTON contacts 4.8 mm
- **Lifetime:** 24,000 h

- **Reading Light:** 2LA455162-01
- **Trumpet Reflector:** 9XX455478-XX
- **Total Weight:** 0.315 kg/0.695 lbs max.

- **Reading Light:** 2LA455162-01
- **Trumpet Reflector:** 9XX455545-XX
- **Total Weight:** 0.220 kg/0.486 lbs max.

- **Reading Light:** 2LA455162-01
- **Trumpet Reflector:** 9XX455559-XX
- **Total Weight:** 0.205 kg/0.450 lbs max.

• Decorative units for accent lighting
• consisting of LED Reading Light and Trumpet Reflector
Air Outlets and In-Seat Reading Lights

Plated Air Outlets
9XX455700-XX (panel version)
9XX455701-XX (small flange)
9XX455702-XX (wide flange)
For further information please have a look at the product brochure “Air Outlets”.

In-Seat LED Reading Lights
2LA455583-XX
For further information please have a look at the product brochure “In-Seat Reading Lights”.

In-Seat LED Reading Lights
2LA455580-XX
For further information please have a look at the product brochure “In-Seat Reading Lights”.

LED Cargo Compartment Lights | 2LA455637-80

- With cover grid
- No visible screws
- Mounting by clamping
- Bayonet lock for cover lens

Technical Data:
- Operating Voltage: 28 V DC
- Power Consumption: 9.8 W max.
- Color Temperature: 6,000 K
- Connection: flying leads with pin contacts acc. to SAE AS 39029
- Color of Cover Lens: White
- Plating: Decorative Chrome
- Weight: 0.275 kg/0.606 lbs max.
LED Dome Lights | 2LA455601-25

- With switch
- No visible screws
- Mounting by clamping
- Bayonet lock for cover lens

Technical Data:
- Operating Voltage: 28 V DC
- Power Consumption: 9.8 W max.
- Color Temperature: 5,600 K
- Connection: flying leads with pin contacts acc. to SAE AS 39029
- Color of Cover Lens: White
- Plating: Fine Satin Chrome
- Weight: 0.225 kg/0.562 lbs max.
LED Dome Lights | 2LA455915-XX and 2LA455949-XX

- No visible screws
- Mounting by clamping
- Bayonet lock for cover lens
- 2LA455949-XX with Emergency Function

Technical Data
Dome Light:
- Operating Voltage: 28 V DC acc. to DO-160D
  22 V DC - 30.3 V DC
- Operating Current: 250 mA ± 15 % at 28 V DC and 25°C
- Color Temperature:
  2LA455949-XX: 3,000 K
  2LA455915-XX: 5,600 K
- Weight: 0.454 kg/1.0 lbs max.

Technical Data
Emergency Light Function (only 2LA455949-XX):
- Operating Voltage: 6 V DC
- Operating Current: 220 mA ± 15 %

Different platings available; non plated version available (dash -99) for individual finishing
LED Indicator Signs | 2LA455917-XX and 2LA455627-XX

- No visible screws
- Mounting by clamping
- Bayonet lock for cover lens

Technical Data 2LA455917-XX:
- Operating Voltage: 28 V DC
- Power Consumption: 1.4 W max.
- Luminance: 60 cd/m² min.
- Different plating options available
- Weight: 0.035 kg/0.077 lbs max.

Technical Data 2LA455627-XX:
- Operating Voltage: 28 V DC
- Power Consumption: 1.5 W max. (Both functions in operation)
- Luminance: 60 cd/m² min.
- Different colors and prints available
- Dimmable versions available
- Weight: 0.030 kg/0.066 lbs max.
LED Indicator Signs | 2LA455924-XX

- No visible screws
- Mounting by clamping
- Symbols invisible when not illuminated

Technical Data:
- Operating Voltage: 22 – 30 V DC
- Operating Current: 40 mA ± 20%
- Luminance: 70 cd/m² min.
- Different prints and colors available
- Weight: 0.038 kg/0.084 lbs max.
LED Stair and Handrail Lights

LED Stair Light 2LA455119-50

Technical Data:
- Operating Voltage: 28 V DC
- Operating Current: 40 mA ± 15 %
- Lifetime: 10,000 h min.
- Light Intensity: 13.5 cd min.
- Light Color: White
- Weight: 0.120 kg / 0.265 lbs max.

LED Stair Lights 2LA456184-XX

Technical Data:
- Operating Voltage: 28 V DC
- Operating Current: 32 mA ± 20 %

<table>
<thead>
<tr>
<th>Part-Number</th>
<th>Light Color</th>
<th>Connection</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2LA456184-00</td>
<td>Red</td>
<td>Flying Leads</td>
<td>0.035 kg/0.077 lbs</td>
</tr>
<tr>
<td>2LA456184-01</td>
<td>Red</td>
<td>Connector MS3476L10-6P</td>
<td>0.055 kg/0.121 lbs</td>
</tr>
<tr>
<td>2LA456184-02</td>
<td>Amber</td>
<td>Flying Leads</td>
<td>0.035 kg/0.077 lbs</td>
</tr>
</tbody>
</table>

LED Handrail Light 2LA456179-00

Technical Data:
- Operating Voltage: 6 V DC
- Operating Current: 100 mA ± 25 %
- Light Intensity: 3.7 cd min.
- Light Color: White
- Weight: 0.06 kg / 0.13 lbs max.