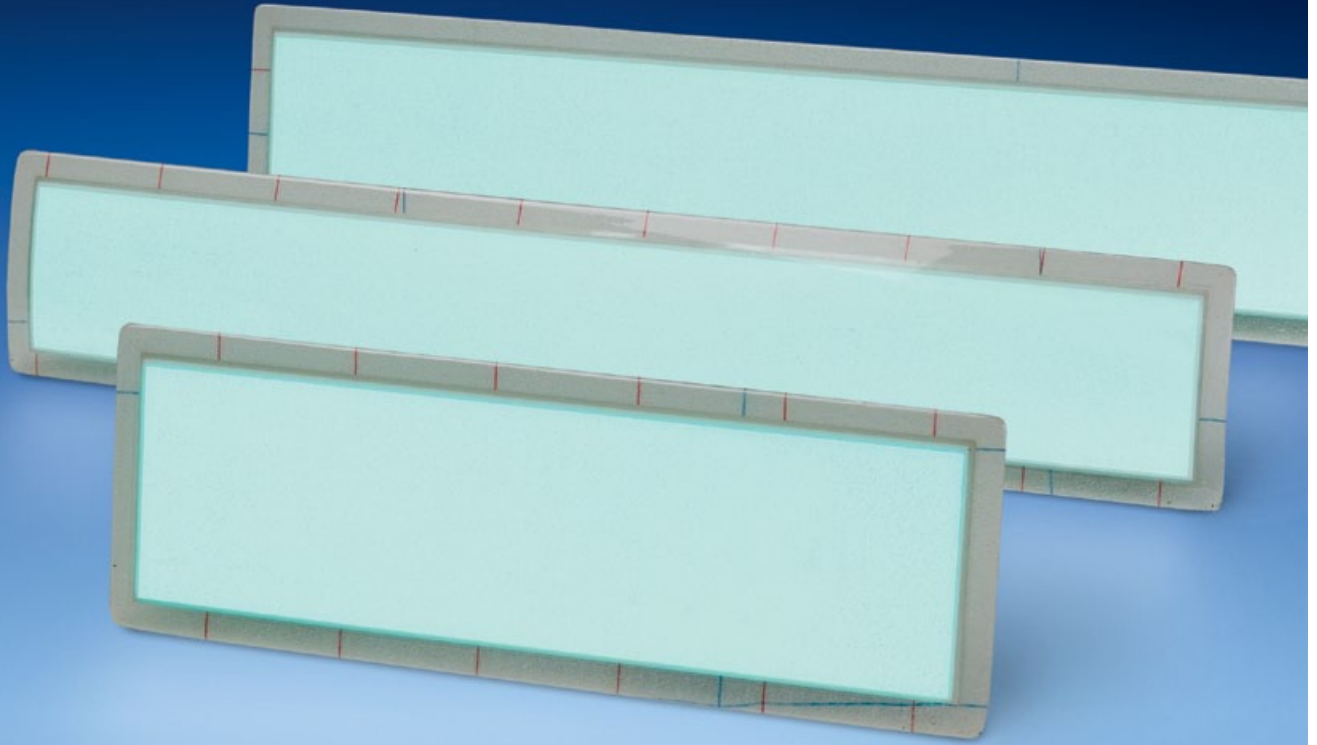


# Formation Lights

## 2LA456000-XX



These extremely thin and flexible Formation Lights 2LA456000-XX are mounted on the fuselage, wing tips and vertical fin to indicate the aircraft's position and attitude during military formation flight.

They are based on the physical principle of electro-luminescence: An operating voltage of 115 V/400 Hz stimulates a luminescent substance to emit light which has a very small radiation spectrum. Brightness and lifetime comply with MIL-L-6503.

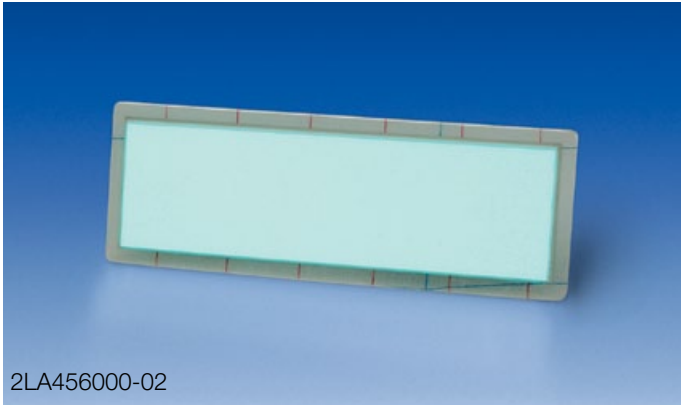
While the lights are usually operated by alternating current, UTC Aerospace Systems also provides decentrally installed static inverters 8ES456021-XX to operate them on 28 V direct current platforms like small trainers and helicopters.

These lights protrude less than 1mm/0.039" from the surface they are mounted on. For easy installation they feature double-sided tape on the back. One single fuselage hole per light is needed for the electrical connection.



**UTC Aerospace Systems**

# Formation Lights 2LA456000-XX

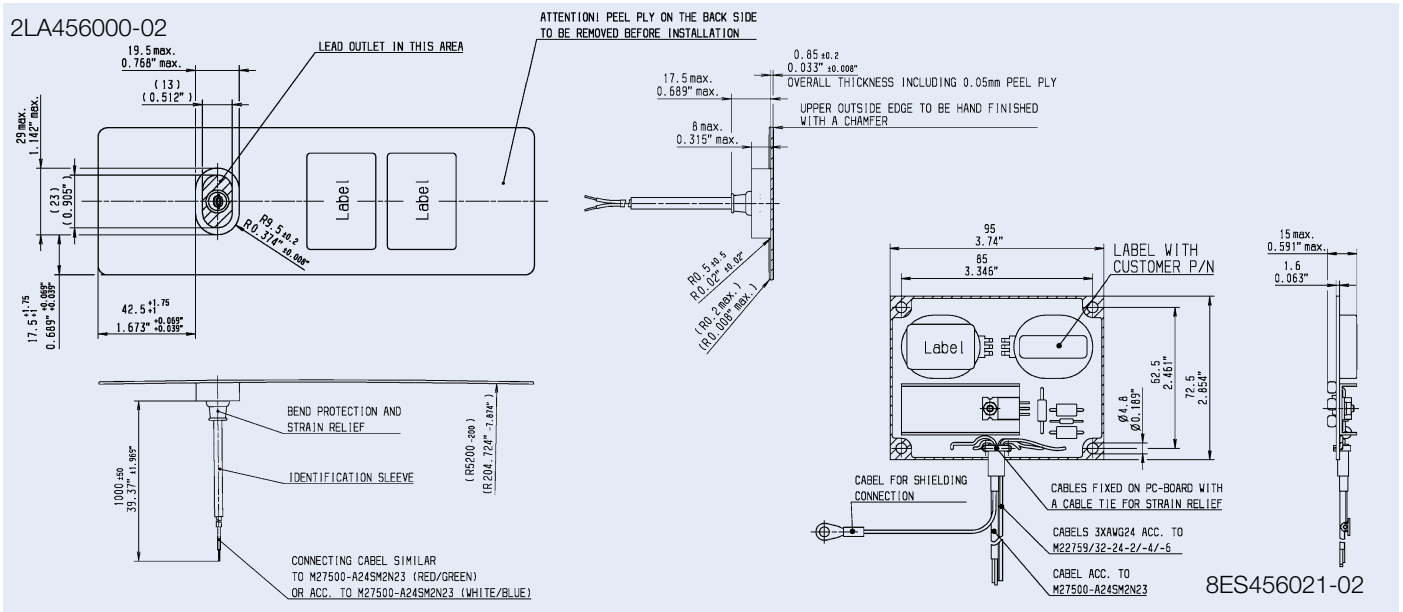


## Technical Data:

- Operating Voltage: 115 VAC/400 to 600 Hz
- Operating Current: see variant table
- Light Color: Aviation Green according to FAR § 25.1397
- Luminance: 51 cd/m<sup>2</sup>
- Connection: Flying Leads (1,000mm/39.37")
- Weight: see variant table

2LA456000-02

| Part-Number  | Size                        | Operating Current | Weight             | to be operated with Static Inverter |
|--------------|-----------------------------|-------------------|--------------------|-------------------------------------|
| 2LA456000-02 | 190 x 64 mm/7.48 x 2.521"   | 8 mA AC           | 0.060 kg/0.132 lbs | 8ES456021-02                        |
| 2LA456000-03 | 295 x 54 mm/11.617 x 2.134" | 10 mA AC          | 0.070 kg/0.154 lbs | 8ES456021-02                        |
| 2LA456000-04 | 450 x 64 mm/17.717 x 2.521" | 19 mA AC          | 0.090 kg/0.198 lbs | 8ES456021-04                        |
| 2LA456000-06 | 620 x 64 mm/24.409 x 2.521" | 26 mA AC          | 0.105 kg/0.231 lbs | 8ES456021-06                        |



## Static Inverter 8ES456021-XX



8ES456021-02

## Technical Data:

- Input Voltage: 28 VDC
- Input Current: see variant table
- Output Voltage: 115 VAC/400 – 600 Hz
- Power Consumption: see variant table
- Weight: see variant table

| Part-Number  | Input Current | Power Consumption | Weight           |
|--------------|---------------|-------------------|------------------|
| 8ES456021-02 | 123 mA        | 3.45 W            | 0.16 kg/0.36 lbs |
| 8ES456021-04 | 184 mA        | 5.16 W            | 0.17 kg/0.38 lbs |
| 8ES456021-06 | 245 mA        | 6.86 W            | 0.18 kg/0.40 lbs |

**For additional information:**  
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