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.
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/m²
• Connection: Flying Leads (1,000mm/39.37")
• Weight: see variant table

### Technical Data:

#### 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

### Technical Data:

#### 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

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