FAA-PMA REPLACEMENT PARTS FOR GRIMES LIGHTING

Evolution Aerospace understands the prohibitively high cost of maintaining Grimes® legacy lighting systems. That's why they have developed an extensive, high quality line of alternative parts for your lighting requirements. From motors to capacitors, from transformers to flash tubes, they have dozens of cost effective, high quality, FAA Approved replacement components.
FAA-PMA Approved parts for the most common lighting requirements

OEM Part No.	MFG Part Number	Description	Part Number	Price
25-0491-1	TR-25-0491-1	Lens	11-15326	.
31-2106-1	TR-31-2106-1	Insulator	11-15327	.
31-4059-1	TR-31-4059-1	Insulator	11-15328	.
31-4851-1	TR-31-4851-1	Lens	11-15329	.
31-4852-1	TR-31-4852-1	Lens	11-15330	.
41-0261-1	TR-41-0261-1	Cam & Worm Wheel	11-15331	.
55-0069-1	TR-55-0069-1	Motor	11-15332	.
55-0073-11	TR-55-0073-11	Trigger Coil	11-15333	.
55-0073-5	TR-55-0073-5	Trigger Coil	11-15334	.
55-0221-1	TR-55-0221-1	Flash Tube	11-15335	.
55-0295-1	TR-55-0295-1	Contact	11-15337	.
55-0339-101G6C2	TR-55-0339-101G6C2	Capacitor	11-15338	.
55-0339-321G2C2	TR-55-0339-321G2C2	Capacitor	11-15340	.
55-0339-421G2D2	TR-55-0339-421G2D2	Capacitor	11-15341	.
55-0743-641L2D8	TR-55-0743-641L2D8	Capacitor	11-15342	.
55-0753-1	TR-55-0753-1	Capacitor	11-15343	.
55-0834-641L2D2	TR-55-0834-641L2D2	Capacitor	11-15344	.
55-0834-751L2E2	TR-55-0834-751L2E2	Capacitor	11-15345	.
55-2198-1	TR-55-2198-1	Battery Pack	11-15346	.
A1233A2	TR-A1233A2	Lens	11-15347	.
A1233A3T	TR-A1233A3T	Lens	11-15348	.
A1257A	TR-A1257A	Gasket	11-15349	.
A1280-2	TR-A1280-2	Lens	11-15350	.
A1280-3	TR-A1280-3	Lens	11-15351	.
A6458	TR-A6458	Motor	11-15352	.
A6532	TR-A6532	Motor	11-15353	.
A6580	TR-A6580	Worm Wheel Assembly	11-15354	.
A6582	TR-A6582	Worm Wheel Assembly	11-15355	.
A6932	TR-A6932	Insulator	11-15356	.
A6947	TR-A6947	Switch Actuator	11-15357	.
A6948	TR-A6948	Switch Actuator	11-15358	.

ELL60 ELECTRONIC LANDING LIGHT

The landing light ELL60 is the logical evolution of ELL50 with even more power. Despite its small size (diameter 60 mm) this headlight has an input power of 60 watts, which corresponds to a usual halogen headlight of 180 - 200 watts. For the first time we have designed a new cooling system for the ELL60. In the new developed central cooling, the cooling air is passed through the landing light directly to the heatsink. With this new system it is possible to implement this high performance on such a small space. Of course, the ELL60 is through its complete socketing absolutely vibration inured and can be installed anywhere on the aircraft. The peculiarity of our landing light based on light-emitting diodes is the integrated anti-collision light (ACL). In this technique, the LEDs of the landing light can be controlled as an anti-collision light and is therefore integrated into our system of "intelligent synchronization". Thus, the ELL acts both as a normal landing light as well as anti-collision light in flight direction (ie forward) and increases the visibility of the aircraft in flight significantly. The ELL is pre-wired for easy connection to a cable with at least 1.5 mm² conductor cross section of 0.5 mm² flexible high. The assembly instructions and the shrink tubing required are attached.

Description	Part No.	Price
ELL60 Electronic Landing Light	11-13565	.
ELL60 Mount Cup	11-13568	.

ELL50 ELECTRONIC LANDING LIGHT

The Thiesen landing light, the ELL50, with it's 50 mm (approx 2") diameter, and less than 80 gram (2.8 ounces) is much more compact than it's forerunner model ELL80, but has a much greater luminous efficiency. Power input of the ELL50 is only 30 watts, with the light output equal to a 90 watt halogen lamp. Again, Thiesen's state of the art molding techniques guaranties weather resistance and therefor can me mounted virtually anywhere on your aircraft including even the wheel pants!
The integrated anti-collision lighting of the ELL50 is also prepared for the intellegent synchronization. The ELL50 can be easily connected to a cable of minimum 1.5 mm² cross section and is prewired with a 0.5 mm² highly flexible cord. An instructions manual and the required shrink tubing are included in the package.
Thanks to its advanced construction the ELL50 is water and seawater resistant and, therefore, ideally suited for use in seaplanes. It has temperature controls and is corrosion and UV resistant.

Description	Part No.	Price
ELL50 Electronic Landing Light	11-13564	.
ELL50 Mount Cup	11-13567	.

EL

ELL80IS - ELECTRONIC LANDING LIGHT - INTELLIGENT SYNCHRONIZATION

By using the ELL, the Electronic Landing Light, ultralight aircraft are better perceived even during the day. The special feature of the light-emitting diode-based landing light is the integrated anti-collision light (ACL). Thus, the ELL functions both as a normal landing light and as anti-collision light in the direction of flight (ie forward). This significantly increases the visibility of the aircraft in flight.
Landing Lights ELL80is is the logical evolution of the proven ELL80 for integration into the family of "intelligent synchronization". With the specially selected LEDs, the ELL80is achieves four times the light output of its predecessor. Mounting and weight are identical to its predecessor, so that it can be replaced 1:1.
The ELL80is is pre-wired for easy connection to a cable with at least 1.5 mm² conductor cross-section with 0.5 mm² highly flexible stranded wire and has a separate connection for the landing light and for the ACL. The installation instructions and the required shrink tubing are enclosed.
Due to the forward-looking construction, the ELL is water and seawater resistant and therefore ideally suited to be used in seaplanes. It is temperature controlled and corrosion and UV resistant.

P/N 11-15985 .....