

# ... to enhance safety in the air space

## LED Lightset

Electronic Positioning Light, Electronic Anticollision Light and Electronic Landing Light - in low power technology

### ERB2

Electronic Rotating Beacon



479,- €

Operating Voltage: 10 -17 volts DC (on board power supply)  
Wattage : approx. 16 watts  
Dimensions : 61 x 44 x 56 mm (L x B x H)  
Weight : approx. 105 g incl. cables  
Light Colour : red

Intelligent Synchronization  
FLARM-Interface

### ACL4

Electronic Anticollision Light



379,- €

Operating Voltage: 10 -17 volts DC (on board power supply)  
Wattage : approx. 10 watts  
Dimensions : 61 x 44 x 39 mm (L x B x H)  
Weight : approx. 85 g incl. cables  
Light Colour : red

Intelligent Synchronization  
FLARM-Interface

### ERB2-H

Electronic Rotating Beacon - Heli



489,- €

Operating Voltage: 10 -17 volts DC (on board power supply)  
Wattage : approx. 16 watts  
Dimensions : 47 (63,5) x 77 mm (D x H)  
Weight : approx. 125 g incl. cables  
Light Colour : red

Intelligent Synchronization  
FLARM-Interface

### ACL-UAV-12V

Electronic Anticollision Light-UAV-12V



369,- €

Operating Voltage: 10 -17 volts DC (on board power supply)  
Wattage : approx. 8 watts  
Dimensions : 61 x 44 x 39 mm (L x B x H)  
Weight : approx. 85 g incl. cables  
Light Colour : red

Radio-Control-Interface  
FLARM-Interface

### ERB-UL

Electronic Rotating Beacon



439,- €

Operating Voltage: 10 -17 volts DC (on board power supply)  
Wattage : approx. 12,8 watts  
Dimensions : 61 x 44 x 39 mm (L x B x H)  
Weight : approx. 85 g incl. cables  
Light Colour : red

Intelligent Synchronization  
FLARM-Interface

### ACL-UAV-LiPo

Electronic Anticollision Light-UAV-LiPo



359,- €

Operating Voltage: 7.4 volts DC (LiPo 2S)  
Wattage : approx. 5 watts  
Dimensions : 61 x 44 x 39 mm (L x B x H)  
Weight : approx. 85 g incl. cables  
Light Colour : red

Radio-Control-Interface  
LiPo Voltage Control

### ACL-Glider

Electronic Anticollision Light - Glider

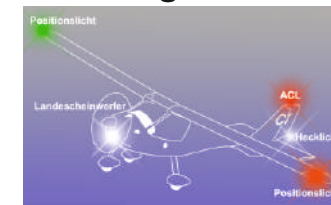


Operating Voltage: 10 -17 volts DC (on board power supply)

Intelligent Synchronization  
FLARM-Interface

Could be ordered from aircraft manufacturer

### Advantages of our LED Lights



- Intelligent Synchronization
- insensitive against vibration and humidity
- Only 10% of input power compared to conventional lights
- brilliant brightness and color intensity
- low self-heating
- no avionic interference at all
- marginal weight
- integrated overload protection
- long lifetime - 5.000 hours or max. 3 years assured luminous duration
- corresponds to all specifications of aviation

# ... to enhance safety in the air space

## LED Lightset

Electronic Positioning Light, Electronic Anticollision Light and Electronic Landing Light - in low power technology

### EPTA-NG

Electronic Position and Taillight with Anticollision Light



439,- €

Operating voltage : 10 -17 volts DC (on board power supply)  
Wattage : approx. 20 watts  
Dimensions : 80 x 40 x 30 mm (L x W x H)  
Weight : approx 76 g incl. cables  
Light Colour : red and white, green and white

Intelligent Synchronization

### ELL80is

Electronic Landing Light 80is



416,- €

Operating voltage : 10 -17 volts DC (on board power supply)  
Wattage : approx. 45 watts  
Dimensions : Ø 80 x 35 mm  
Weight : approx 230 g incl. cables  
Light Colour : white

Intelligent Synchronization

### ERBis - Electronic Rotating Beacon



449,- €

Operating voltage : 10 -17 volts DC (on board power supply)  
Wattage : approx. 25 watts  
Dimensions : 61 x 47 x 76 mm (L x W x H)  
Weight : approx 175 g incl. cables  
Light Colour : red

Complies with FAR23 regulations

### ILC

Intelligent Lighting Circuit



149,- €

Operating voltage : 10 -17 volts DC (on board power supply)  
Fuse : 10 ampere  
Dimensions : 84 x 42 x 10 mm (L x W x H)  
Weight : approx 65 g

### Fitting system for cowling mounting ELL

35,- €



The automatic ventilation duct of the cooling air is guaranteed by using this fitting system for cowling mounting. Fitting system for ELL80, ELL60 and ELL50.  
Material: fiber epoxy

### EPL

Electronic position light for Ultralight Aircraft



249,- €

Operating voltage : 10 -17 volts DC (on board power supply)  
Wattage : each EPL approx. 4.5 watts  
Dimensions : 95 x 42 x 32 mm (L x W x H)  
Weight : each approx 66 g incl. cables  
Light Colour : red and green

### ELL60

Electronic Landing Light 60



461,- €

Operating voltage : 10 -17 volts DC (on board power supply)  
Wattage : approx. 60 watts  
Dimensions : Ø 60 x 50 mm  
Weight : approx 130 g incl. cables  
Light Colour : white

Intelligent Synchronization

### ACL3is

Electronic Anticollision Light



354,- €

Operating voltage : 10 -17 volts DC (on board power supply)  
Wattage : approx. 20 watts  
Dimensions : 61 x 46 x 52 mm (L x W x H)  
Weight : approx 110 g incl. cables  
Light Colour : red

### Sync-Master



89,- €

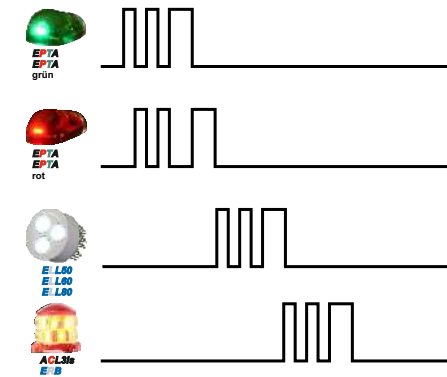
Operating voltage : 10 -17 volts DC (on board power supply)  
Fuse : 5 ampere  
Dimensions : 47 x 32 x 10 mm (L x W x H)  
Weight : approx 24 g

### FLARM-Interface

In order to make your aircraft more conspicuous, and attract extra attention from other aircraft on a potential collision course, Thiesen Electronics has developed Anti Collision Lights that can be linked to your on board ADSB/FLARM system. FLARM is a traffic awareness and collision avoidance technology used in General Aviation, Light Sport, Ultra Light, Sailplane and even Unmanned Aircraft equipped with the ADSB/FLARM systems. When an alert is given by the FLARM unit, the ACL flashing sequence accelerates according to the FLARM alert level. This increases the awareness of the pilot on the collision course.

### Intelligent Synchronization

The Thiesen "Intelligent Synchronization" system schedules the light pulses so that there is no overlap of the individual lighting flashes. As seen in the diagram below, this pulse scheduling reduces the battery and generator requirements as if only one light was on at any given moment.



Intelligent Synchronization = intelligent Power Management

### TL-NG

Electronic Position Light - Taillight



234,- €

Operating voltage : 10 -17 volts DC (on board power supply)  
Wattage : approx. 5 watts  
Dimensions : 52,6 x 42x 21,5 mm (L x W x H)  
Weight : approx 28 g incl. cables  
Light Colour : white

Complies with FAR23 regulations  
Intelligent Synchronization

### ELL50 + ELL50L

Electronic Landing Light 50 + 50L



373,- € (ELL50L)  
369,- € (ELL50)

Operating voltage : 10 -17 volts DC (on board power supply)  
Wattage : approx. 30 watts  
Dimensions : Ø 50 x 40 (70) mm  
Weight : approx 78 (105) g incl. cables  
Light Colour : white

Intelligent Synchronization

### ACL-Modul



354,- €

Operating voltage : 10 -17 volts DC (on board power supply)  
Wattage : approx. 20 watts  
Dimensions : 165 x 15 x 20 mm (L x W x H)  
Weight : approx 58 g incl. cables  
Light Colour : red