

## Rules for F1L

### International Indoor Fly In

Version: 2017



*Nijmegen, Netherlands*

### 3.L CLASS F1L – FF INDOOR AIRCRAFT EZB

#### 3.L.1. Definition

Monoplane model aircraft powered by one (1) extensible motor, and in which lift is generated by aerodynamic forces acting on fixed surfaces.

#### 3.L.2. Characteristics

Wingspan, maximum projected .....457.2 mm  
Wing chord maximum .....76.2 mm  
Stabiliser area maximum .....50% of wing

##### a) Structure

- 1) Only balsa wood and adhesive are to be used for the basic structure. Exempted are the propeller shaft, rear hook, thrust bearing, surface holding fittings and reinforcements for their attachments. No external bracing is allowed except balsa wood wing struts.
- 2) The motor stick must be a solid single piece of balsa. The tail boom must also be solid and of one piece but may be an extension of the motor stick. Balsa splices up to one centimetre in length may be used to repair breaks in the motor stick or boom.
- 3) The propeller must be all balsa except for ground adjustable pitch fittings, if used.
- 4) There are to be no devices for changing any part of the model's geometry or torque during flight. Only the normal flexing of the structure due to flight loads or motor forces is allowed.

##### b) Covering

- 1) Models are to be covered with any commercially available solid sheet material such as paper or plastic.
- 2) Microfilm is not allowed.

##### c) Weight

Weight of the model without rubber motor shall not be less than 1.2 g. The competitor must be the builder of the models entered.

#### 3.L.3. Number of Flights

The competitor shall be allowed 6 flights of which the two best flights will be taken for classification.

#### 3.L.4 Definition of an Official Flight

See 3.4.4.

### **3.L.5. Number of Models**

See 3.4.5.

### **3.L.6. Collision Rule**

See 3.4.6.

### **3.L.7. Steering**

See 3.4.7.

### **3.L.8. Timing of Flights**

See 3.4.9.

### **3.L.9. Number of Helpers**

See 3.4.10.

### **3.L.10 Launching**

See 3.4.11.

### **3.L.11 Ceiling Height Categories**

See 3.4.12.