



# AC4 CS-LSA

*Economical*



[www.lightwing.ch](http://www.lightwing.ch)

# Lightwing AC4 CS-LSA: The Swiss Sport Utility Aircraft

The European Light Sport Aircraft Lightwing AC4 CS-LSA is an economical two-seat aircraft for pilot training. It is equipped with the modern, reliable and economic fuel injection engine.

## Proven and stable design Swiss quality design

- Highly resistant (Xlam) laminated polyester fabric for wing and empennage
- Aluminium components are anodised, Composite components are made of durable CFRP/GRP
- Robust landing gear for all runway types
- Powerful and reliable hydraulic Beringer Brakes
- Comfortable cabine width of 1.26 m
- Spacious and in-flight accessible luggage compartment
- 216 kg payload

## Water-cooled Injection engine

- Reliable start-up at every temperature
- No carburator icing and optimized lean running at all times
- Environmentally friendly with 14 l/h at 165 km/h
- 6 h Endurance with 90 Liter Fuel
- Super Quiet with low noise food print of 65 dB(A)
- Fuels, MOGAS (E%) instead of AVGAS, 25%+ cost saving
- Engine TBO 2000h
- Highest operation reliability

## Safe flying characteristics

- Take off roll distance of 138 m at MTOW
- Spinresistent, easy to master with safe stall behaviour
- Simple operation—perfectly made for flight training and group operation
- Precise ground handling with direct steering nose wheel
- Perfect view

## State of the art Avionics

- Dynon Skyview with Display as EFIS or analogue instruments
- Vector or Pixelmap, Approach– and Airportmaps
- Traffic information on map and in synthetic vision
- WLAN connection with Easy VFR / ForeFlight / FF / Skydemon / Sky-Map for flight plan
- Digital engine monitoring unit with Blackbox functionality and:
  - Status LANE A & B
  - EGT and CHT on all Cylinders
  - Throttle position in %
  - Info Display



# Lightwing AC4 CS-LSA — Technical Data

- High wing two seat monolane with lift struts
- Anodised aluminium structur
- Polyester (Xlam) laminated for wings and flying control surfaces
- 100 HP 4 stroke engine Rotax 912iS Sport with redundat electronic fuel injection
- 3-blade Neuform propeller
- EASA Type Certificate CS-LSA EASA.A.588
- Generous glazing for good visibility
- Licence PPL or LAPL

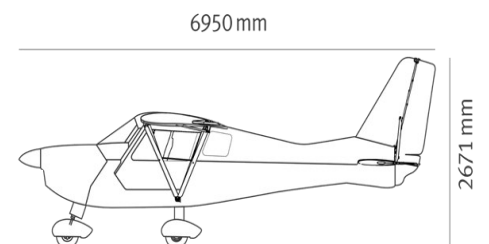
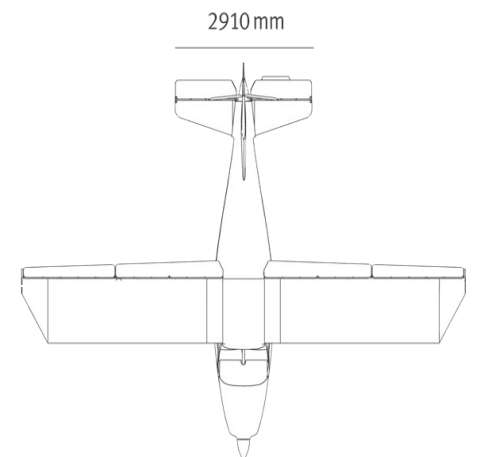
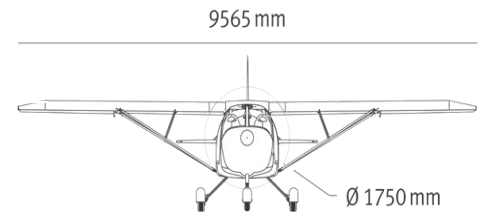
Speed/Performance	Metric	Standard
Stallspeed Flaps DWN 24°	V <sub>S0</sub> 76 km/h	41 KIAS
Stallspeed Flaps 0°	V <sub>S1</sub> 82 km/h	44 KIAS
Flapspeed	V <sub>FE</sub> 165 km/h	89 KIAS
Maximum speed IAS	V <sub>NE</sub> 210 km/h	113 KIAS
Manouvering Speed	V <sub>A</sub> 176 km/h	95 KIAS
Climb rate at MTOW	4.4 m/s	876 ft/min
Best climb angle	V <sub>X</sub> 108 km/h	58 KIAS
Roll distance	138 m	452 ft
Take off distance over 15m/50ft	276 m	905 ft
Load factor	+4/-2g	+4/-2g

## Weights

Maximum take-off weight	600 kg	1'389 lbs
Maximum payload	216 kg	470 lbs
Fuel tank capacity (flyable)	90 l	24 gal
Fuel consumption	14 l/h	3.73 gal/h
Baggage compartment Volume	550 Liter	19.4 ft <sup>3</sup>
Baggage Weight	2 x 25 kg	2 x 55 lbs

## Dimension

Wing span	9.57 m	31.4 ft
Total length	6.95 m	22 ft
Maximum height	2.67 m	8.76 ft
Cabine width	1.26 m	4.13 ft
Tyre front gear	4.00-6"	4.00-6"
Tyre main gear	15x6.00-6"	15x6.00-6"



**Spacious, safe, rugged, economical**





Light Wing AG, Stanserstrasse 126a, CH-6373 Ennetbürgen-Stans [info@lightwing.ch](mailto:info@lightwing.ch)