

The Flylight PeaBee.

Take Britain's most successful single seat flexwing trike, the **DragonFly**. Shave off 28kg+ through careful design. Add a lighter yet more powerful engine and a completely new wing and you have the **PeaBee**, still with the same strength, same effortless control, ease of assembly but (and a big but) more **oomph** and **pizazz!** *(vitality and glamour)*

Take off is shorter, climb rate is quicker, control is lighter. The aircraft is easier to lift and carry, faster to assemble and disassemble, in fact the **PeaBee** is possibly the best flexwing aircraft that we have ever produced.

We also offer optional extras that have been tailored to enhance the aircraft's unique style and performance.

The **PeaBee**, innovation with pizazz.





FLYLIGHT

Flylight Airsports Ltd Sywell Aerodrome Northampton NN6 0BN UK tel: +44 (0)1604 494459 email: ben@flylight.co.uk



I remember when flying was fun!

The **PB Redline** brings it back.
Back to the origins of ultralight flight combined with the advantage of 50 years of evolution and the safety of greater understanding.
The PeaBee is at the forefront of development with handling characteristics that have been long lost to many contemporary 2 seat trikes.
The new generation of Nanolight Trikes has brought the fun back to light weight aviation.
Faster rigging, effortless handling, superb agility and above all, surprisingly affordable

PB RED LINE
or Orangeline, Yellowline, Greenline and Blueline.

FLYLIGHT

www.flylight.co.uk



Available with:
Vittorazi Moster 185 Silent (26hp), Helix propeller
Cors Air Black Devil (25hp), Helix propeller
Cors Air Black Bull (33hp), Helix propeller
Fox 13T wing
ODL 04.5 Technora sail cloth option
30 cm pneumatic tyres
The smoothest fabric fairing on the market
Effective windscreen
Stowage box or rescue parachute
Wing fold system
5 colour schemes



Aircraft shown:
PB Redline with Moster 185 Silent engine, Helix propeller. Fabric fairing, windscreen, stowage box, 30cm pneumatic wheels, Fox 13T wing, ODL 04.5 Technora sail. Motomonitor flight / engine instrument including fuel gauge



Flylight Airsports Ltd, Jetstream Hangar, Sywell Aerodrome, Northampton. NN6 0BN. email: ben@flylight.co.uk **www.flylight.co.uk**

Flight Performance and Limitations

PeaBee Redline with Vittorazi Moster 185 engine.

Maximum pilot weight:	110 kg
Minimum pilot weight	55 kg
Aircraft empty weight	**61.4 kg**
Aircraft empty weight with Apco MD 20 parachute	64.9 kg
Empty trike weight	35.9 kg
Fox 13T wing weight	25.5 kg
Maximum speed (vne) with 110 kg pilot	55 mph (88 kph)
Minimum speed with 110 kg pilot	**21 mph (35 kph)**
Hands off trim cruise speed	40 mph (64 kph)
Best economy speed (range)	35 mph (56 kph)
Best economy speed (duration)	30 mph (48 kph)
Best climb rate with 110 kg pilot	**650 ft/min (3.3 m/s)**
Approach speed (nil wind)	40 mph (64 kph)
Take off distance to rotation	50 meters
Take off distance to clear a 15 meter obstacle	250 meters
Landing distance from touch down to full stop	80 meters
Landing distance clearing a 15 meter obstacle	250 meters
Limit load at maximum all up weight (196 kg)	+4g - 2g
Maximum bank angle	60º
Maximum pitch angle	+30º / -30º



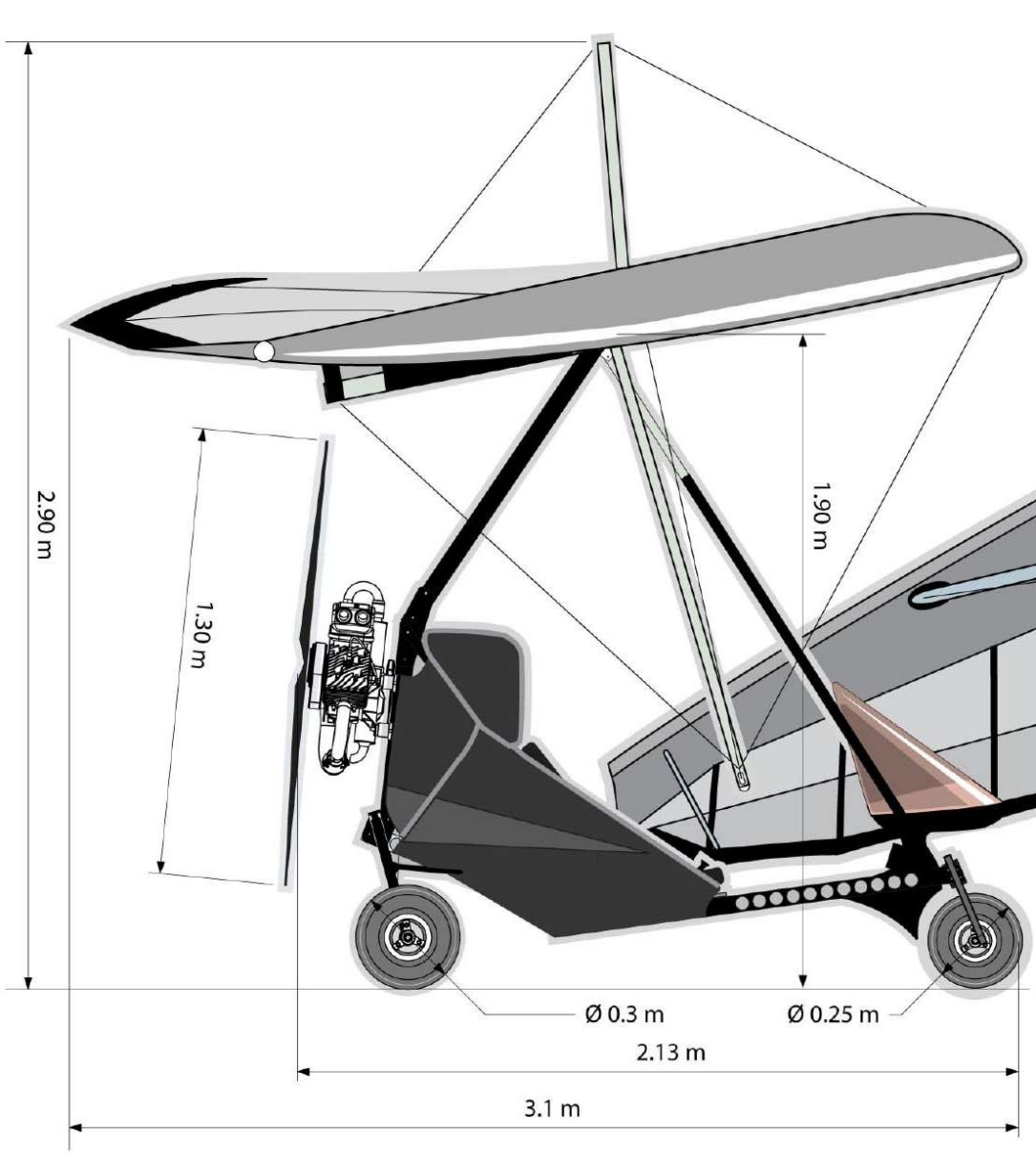
Vittorazi Moster 185 Silent MY20 specification and Performance.

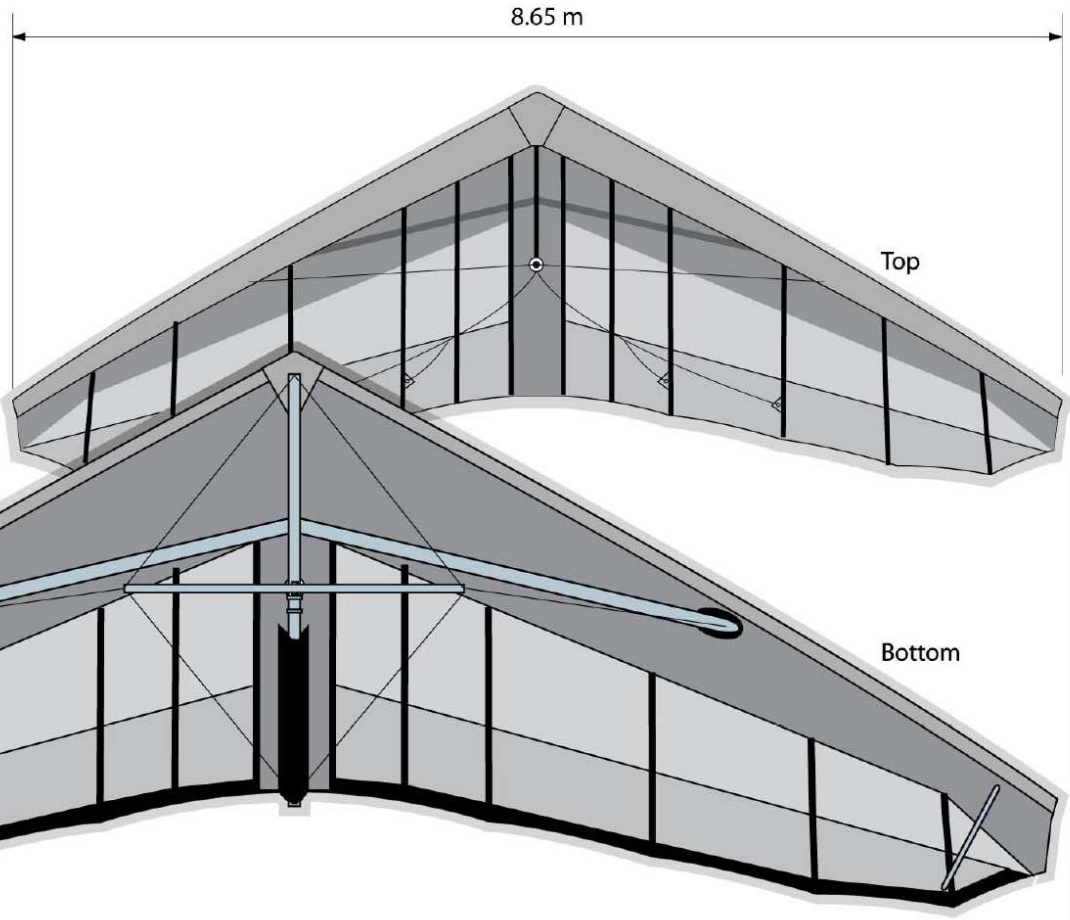


Performance
Power 26 hp @ 8000 RPM
Maximum RPM 8500 RPM
Maximum CHT 230ºC
Optimal temperature 180ºC
Minimal operation temperature 80ºC

Technical features

Cycle:	2 strokes
Swept volume:	184.7 cc
Power:	25 hp at 7.800 rpm
Intake:	Silencer airbox - Walbro carburetor - Reed valve intake
Cooling:	Extraction from propeller
Starter:	Pull start - 3S (Soft Starter System) and Hybred start
Reduction drive:	Poly-V belt - Ratio 1/2.68 - 1/2.87
Exhaust pipe:	Hand-made pipe and DB-killer system, second joint, silencer pipe in carbon fiber
Fuel:	Unleaded gasoline - Synthetic oil 2.5 %
Oil:	Motul 710 2 stroke oil
Consumption:	3.0 liters/hour at 30kgs of static thrust at 5200 RPM
Weight (pull starter version):	13.9 kgs
Weight: (Hybred start)	15.2 kgs
Max Thrust:	75 kgs Helix prop. 125 cms at 8.500 RPM 78 kgs Helix prop. 130 cms at 8.500 RPM





FLYLIGHT

PB Redline

Wing Span:	8.65 m.
Wing Area:	13 m2.
Height	2.90 m.
Aspect Ratio:	5.75
Nose Angle:	121°
Double Surface:	30%
No. of Battens	15
Wheel track (width)	1.25 m
Wheel track (length)	1.65 m

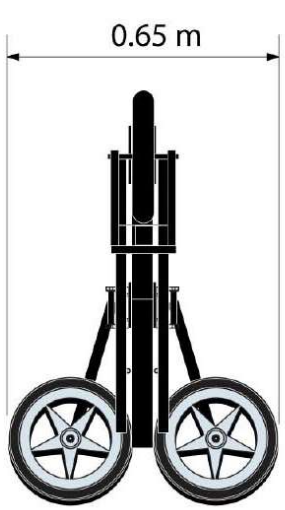
Manufacturer:	Flylight Airsports Ltd.
Engine:	Cors Air Black Bull (33 hp)
Wing:	Aeros Fox 13T
Propeller:	Helix 1.30
Parachute:	Apco Mayday Bi (160 kg)

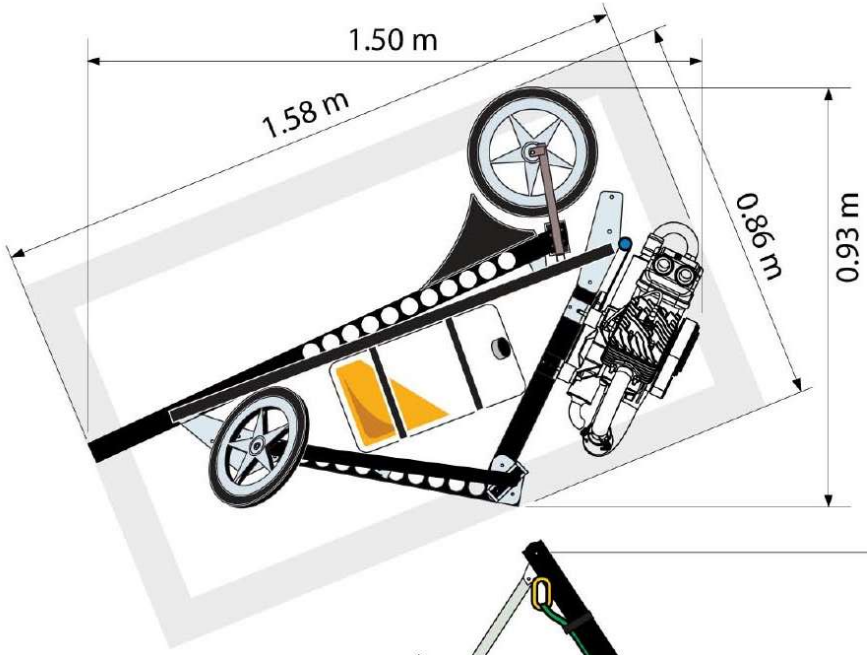
Flylight Airsport Ltd, Jetstream Hangar, Sywell Aerodrome, Northampton, NN6 0BN, United Kingdom. email: ben@flylight.co.uk tel: +44 (0)1604 494459

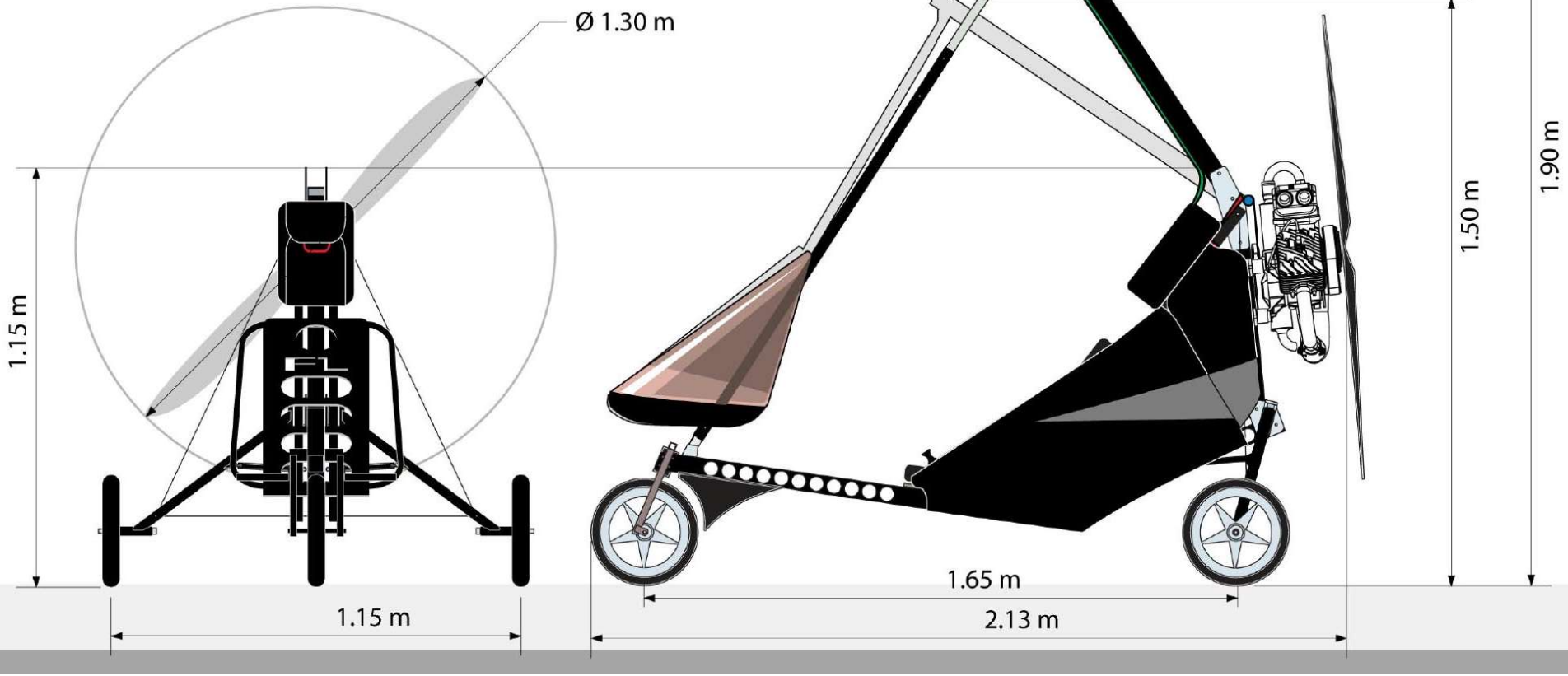
Trike dimensions.
Tolerance: +/- 1 cm.

Based on the PeaBee with:
Light weight wheels
Vittorazi Moster 185 engine
Helix 1.30 m 2 blade propeller

FLYLIGHT



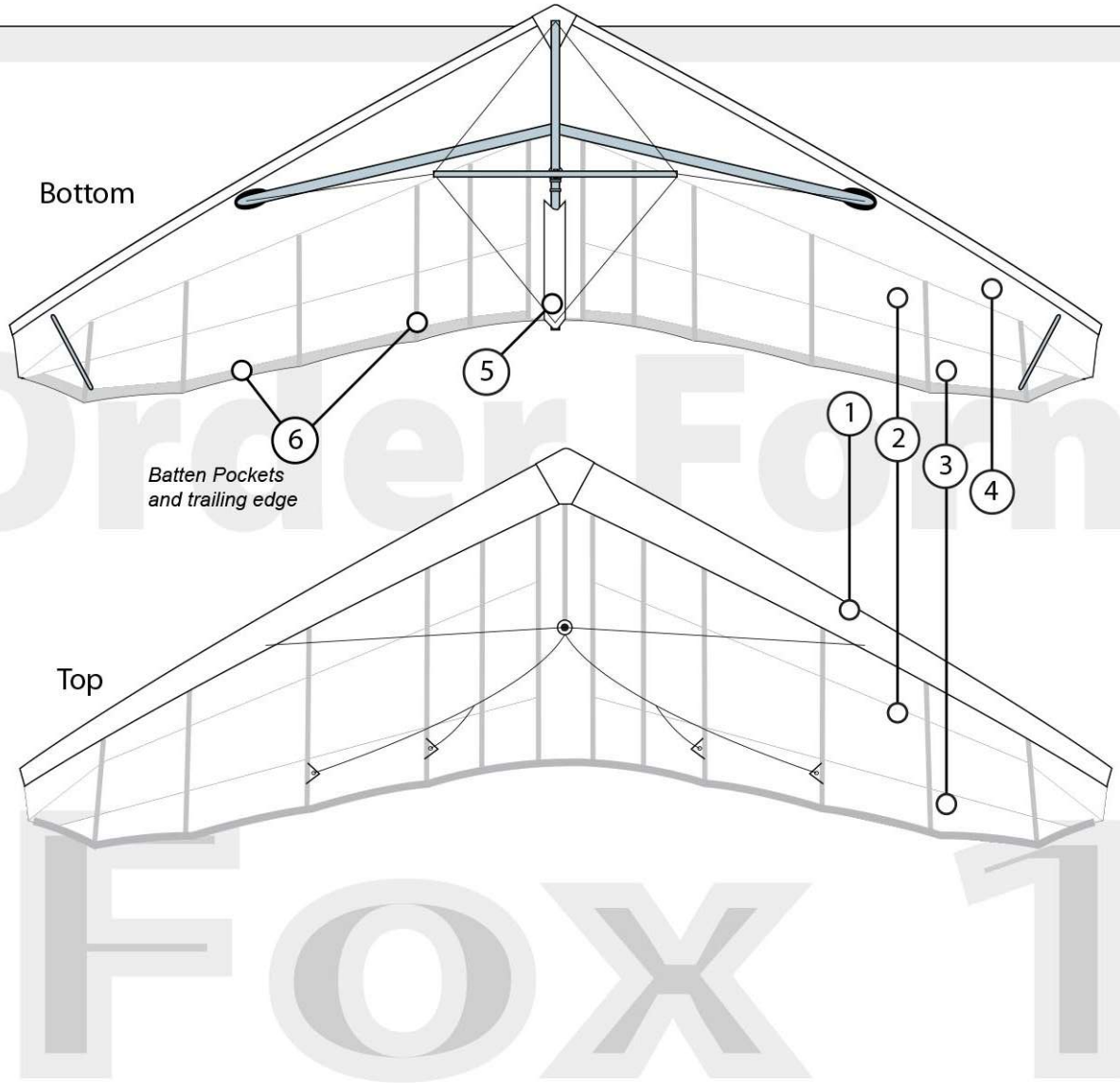




Order No. / Serial No.
Order Date:
Dealer:
Customer:
Tel / Mobile No:

WING COLOURS:

1:	
2:	
3:	**ODL 04.5 or NCV**
4:	
5:	
6:	



COLOURS AVAILABLE:

WHITE 0000	
BLACK 2100	
GREY 2328	
HOT RED 3105	
RED 3125	
YELLOW 5076	
GREEN 6047	
MINT 6223	
DARK BLUE 7352	
FLURO ORANGE 4197	
FLURO YELLOW 5280	
FLURO GREEN 6094	

LETTERING

RED	
BLACK	
BLUE	

Flylight Airsports Ltd Order Form

Order Form
Fox 13T

Flylight Airsports Ltd, Jetstream Hangar, Sywell Aerodrome, Northampton, NN6 0BN. email: info@flylight.co.uk www.flylight.co.uk