



fLight II

Technology:  Archival

Product:  Tag



American yellow warbler (*Setophaga petechia*)



Tiny tags to study big migrations

Ornithologists studying the smallest migrants have been demanding ever smaller light-based geolocators. We have now produced the smallest geolocators on the market. They have combined the smallest components, with the best data compression, so that even more species can reveal where they are going when out of sight.

fLight II tags are completely sealed, improving waterproofing and meaning that no external pins can damage eggs or legs.

Options

- Tubes: for backpack attachment
- Light Pipe: to get light through feathers

Features:



Light

From 0.26g:

For the smallest species.

Simple Start:

Remove from a dark bag. No need to activate or program.

Simple Download:

Using fLight-Recorder interface, follow simple on screen instructions.

Product Applications

Suitable for studying migration of the smallest birds. Geolocation does not have the same accuracy as GPS, so if you are studying a larger species and they can carry a 1g tag or larger, then investigate our GPS products.



Model	FW805x	FW825x	FW8A5x	FW8B5x	FL6057	FL6257	FL6B57
Weight (g)	0.26	0.3	0.32	0.35	0.3	0.31	0.33
Size ^[1] (LxWxH) (mm)	13 x 5 x 3	17 x 5 x 3	13 x 5 x 3 (excl. pipe)	17 x 5 x 3 (excl. pipe)	12 x 6.5 x 3	12 x 6.5 x 5	17 x 6.5 x 3 (excl. pipe)
Attachment tubes	no	yes	no	yes	no	no	no
Light pipe ^[2]	no	no	yes (H 10mm)	yes (H 10mm)	no	no	yes (H 10mm)
Coating ^[3]	moulded	moulded	moulded	moulded	minimal	minimal	minimal
Life at 1min (months)	12	12	12	12	12	12	12
Light intervals ^[4]	1, 2 or 4 min for FW models; 4 min for FL models.						
Simple start	Automated start. No need to activate or program						
Simple download	Using fLight-Recorder interface. Follow simple on-screen instructions						
Quick view	https://lightgeo.lotek.com/login						

1. Height excluding light pipe, that reaches to 10mm above base of tag
2. Pipe to get light through feathers
3. Moulded coatings give greater protection and easier connection
4. Longer intervals increase tag life, but may reduce location accuracy

Features and specifications subject to change without notice.



FW8A5x



FW805x



FW8B5x



FW825x

Downloaded data designed to be compatible with freely available software, including the R-package routines.

Warranty

fLight tags are warrantied to be free of defects in materials and workmanship under Normal Use for a duration of 80% of Estimated Life to a Maximum of 9 months.

For Warranty terms and conditions, please review our [Warranty Statement](#).

