



**Lommy Eye XL (9L6)**  
Up to 6000 positions  
IP68 - Waterproof



**Lommy Eye L (9L8)**  
Up to 2400 positions  
IP67



**Lommy Eye M (9L2)**  
Up to 1200 positions  
IP33

# [ /lommy eye ]

## Quick Start Guide Lommy Eye

### Installation

- Lommy Eye is ready to use
- Just place it in / on your asset

### Testing of correct mounting

It is highly recommended to test the chosen location prior mounting to determine if the mounting spot is optimal.

Cellular signal strength and the number of mobile cells heard tell if the placement is optimal.

Information about cellular data can be obtained by logging in on the web interface.

### Correct mounting is important for optimal performance

- To obtain the best possible conditions for receiving GNSS and cellular signals the device must be mounted with the best possible view to the sky
- Materials like concrete, most metals and windshields with metallized sun protection will dampen the signals significantly. Placement behind such materials should be avoided
- Lommy Eye can securely be mounted under materials such as fabric, glass, fibreglass, wood or plastic

### GNSS and cellular connectivity

- Optimal condition for receiving GNSS signals is a location with un-obstructed view to the sky
- Optimal condition for cellular communication is an un-obstructed view to the horizon
- Less can do it, as optimal conditions are rarely achieved
- Only 3 satellites are required, to receive a GNSS position
- GNSS positions based on multiple satellites will increase position accuracy
- Only connection to 1 mobile cell with decent signal is required, to send data from your Lommy Eye to the server
- Optimal cellular connectivity, where more cells can be heard and RSSI/signal value is higher than -90, improves data transmission. Moreover, the accuracy of cellular triangulation will improve in areas with poor GNSS coverage
- Lommy Eye has the option of switching to another mobile cell with better signal strength, if more cells are available in a specific area

### Signal reflection

Signals can, to some extent, be reflected depending on the reflecting surface.

Opposite can local or temporary conditions change or hinder signal reflection.

### Example:

The signals from a device mounted beneath a trailer can be reflected by the road and to some extent improve connectivity.

However, if the trailer is parked with the back against a concrete ramp, the signal can be blocked.

For technical questions, please contact Flextrack Support:  
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[www.flextrack.dk](http://www.flextrack.dk)

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