

# FAST FACTS



The  
Orlando Eye™  
by Merlin Entertainments

- At 400 feet, The Orlando Eye is the tallest observational wheel on the North American east coast.
- The Orlando Eye is constructed of hardened steel for structural stability.
- The Orlando Eye weighs about 3,000,000 pounds, which is equivalent of over 12 fully loaded space shuttles.
- It took over 150 forty-foot trailers to ship all the wheel components to be installed on site.
- The company Intamin Amusement Rides (which is located in the smallest European country of Liechtenstein) designed the Wheel, but parts were built all over the world.
- The Orlando Eye has eight legs, and they extend more than 20 feet underground.
- The Orlando Eye has thirty spokes (instead of cables) and thirty capsules.
- Each capsule can carry fifteen passengers.
- Each capsule weighs 6,600 pounds, that's about the same weight as an Indian Elephant or Baby Blue Whale.
- The glass covering the capsules was crafted in Turkey, and then each capsule was assembled in Hungary.
- The Orlando Eye is lit by over 63,000 LED lights.
- The capsules feature redundant (two) A/C units; color changing LED lights; Bose audio system for music/narration, and iPads that allow you to use your own play lists.
- The inner part, called the Wheel Hub, is structural only. It doesn't turn The Orlando Eye.
- The wheel Hub weighs about 180,000 pounds, which is more than a Boeing 737 airplane.
- The Orlando Eye is powered by 14 electric motors, each using only 6.6 kilowatts of city power.
- Altogether, the motors produce about 123 horsepower, which is about the same as a small car.
- The motors keep The Orlando Eye moving at a constant rate.
- The maximum rate The Orlando Eye can turn is about .33 meters per sec. It's slowed down to about .25 meters per second when people ride on it.
- It takes only 2.5 seconds for the motors to get The Orlando Eye moving at its operational speed.
- The Orlando Eye can do a complete rotation in about 17 minutes. When people are on it, it is run at the slower speed which takes about 20 minutes.
- The Orlando Eye can rotate in a clockwise or counterclockwise direction.