

Green Retrofit



As much as 50% of air loss in well insulated buildings occurs around windows and doors. Although a revolving door offers the best protection from air loss occurring through the entry of a building and can save you considerably on energy cost, there is always room for improvement. As new technological innovations have become available, we now offer a Green Retrofit package that can improve the energy efficiency of a revolving door even further.

The Green Retrofit package consists of a number of improvements. As of 2013 these improvements are offered standard on all new doors leaving our factory. However if you have a previously installed door, upgrading can save cost and improve the sustainability of your building.

Each improvement can be ordered separately or as a complete package, allowing you to pick and choose what measures suit your entry's requirements best. Our global staff is always available to help you analyse your entry and advise you on what improvements to make.





Air Permeability Improvement

One of the major reasons for inside air being lost to the outside is the slight gaps that exist between the different parts of a door. Horse hair strips around the door wings of our doors limit the amount of air that is lost around the edges of the revolving door set. However it is impossible to prevent some air being lost even between the horsehair. Our new draught strip combines the aesthetic look of horsehair with the improved air permeability characteristics of a rubber inlay to improve air tightness by 30%.

Similarly, improved air tightness of our ceiling lighting helps prevent energy loss through the ceiling of the entry.

One Direction Motion Detector

Automated revolving doors incorporate a sensor that detects people nearing it. This allows the rotation of the door to start, allowing visitors to pass through unhindered. However, the conventional sensors cannot differentiate between users approaching the door to enter or people exiting or crossing in front of the door. This causes the door to turn unnecessarily, wasting energy.

Our sophisticated one-direction motion detector detects the walking direction of users ensuring the door will only rotate when they are intending to exit or enter the building. This prevents unnecessary rotation of the door and stops the rotation quicker after use. This ensures energy saving on the operation of the door as well as on the heating or cooling of the entry as less conditioned inside air is lost to the outside world.

LED Lighting

Lighting adds to the aesthetic appeal of a revolving door but is also an important safety feature. With the introduction of LED lighting we are able to reduce the energy required to ensure the door is well-lit. LED lighting has two advantages over traditional lighting options: it consumes 50-80% less energy than traditional halogen lights and its life span of up to 50.000 hours is at least 15 times longer than halogen lights. This allows you to improve the sustainability of your entry as well as save considerable cost.

We offer a choice of two different LED lighting upgrades:

- Replacement of LED light that can be fitted into the standard halogen armature
- Replacement of LED armature that can be fitted into the space previously used by the halogen armature.

Smart Lighting Control

Replacing traditional lights with LED lighting is not the only way of saving energy on lighting. In most revolving doors the lights are turned on permanently during office hours. However a new software upgrade allows your revolving door to ensure the door is only lit fully when the motion detectors detect a user entering the door. Optimising illumination times like this reduces energy consumption considerably.