

This Month

Constantia achieve a 22% light increase through LED & The SunRAY 16 - still effective after 50,000 hours of burn time

Constantia Flexibles is one of the world's leading manufacturers of flexible packaging and labels.

Since 2005 Constantia Flexibles have been measuring their direct and indirect emissions in accordance with the Greenhouse Gas Protocol. By 2012 Constantia Flexibles were already halfway to their goal of a 40% reduction in CO2 emissions by 2023.

Constantia decided to switch the lighting in their production area to energy efficient LED lighting. The old lighting consisted of 84 x Son T's which were running at 250 watts each. These Son T's were generating over 110 tons of CO2 a year.



Due to the sensitive work Constantia Flexibles carry out we designed a bespoke LED light fitting to meet their specific requirements.

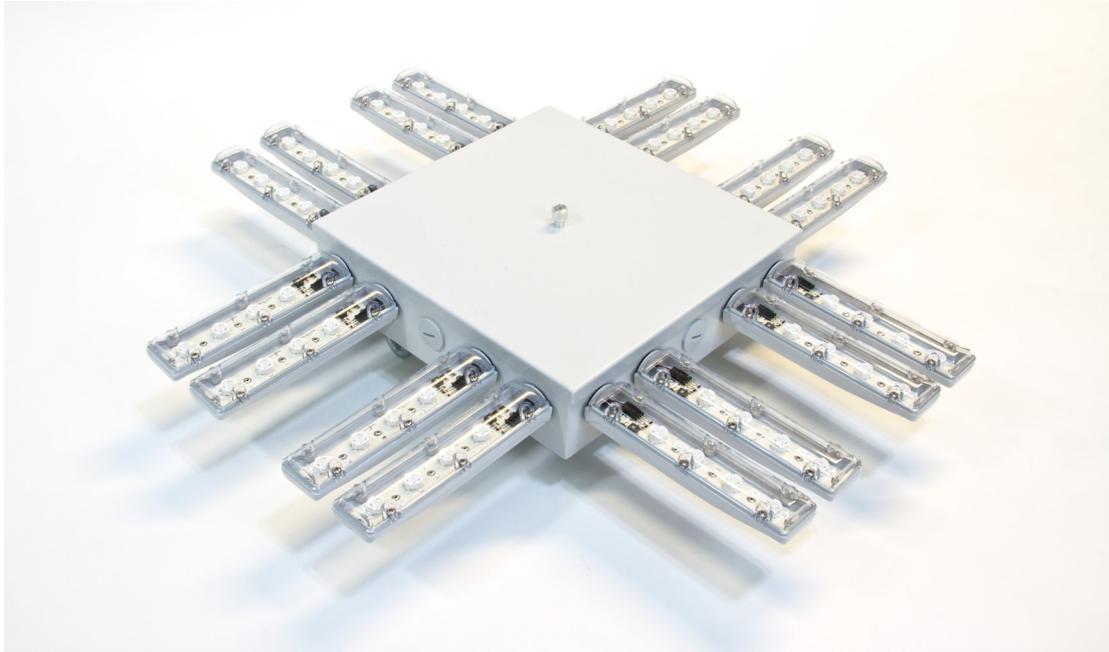
We designed and manufactured 84 x bespoke LED saucer lights that had to be retrofitted into the existing housing in the ceiling. This bespoke luminaire has a power rating of 105 watts and provides over 13000 lumens. Generating only 45.1 tons of CO2 per year our bespoke LED lighting solution is helping Constantia to achieve their goal of a 40% reduction in CO2 emissions by 2023 whilst reducing their energy consumption.

Results compared to the previous lighting:

- 68.8% Energy Savings
- 65.2% CO2 Savings
- 22% Light Increase



The SunRAY 16, illuminating almost as good as the day it was installed!



A global power leader that designs, manufactures, sells and services diesel engines and related technology around the world installed our SunRAY 16's in early 2010.

Today this company have achieved over 50,000hrs of constant illumination from our LED lighting.

The light levels have only reduced by 13% since the first day of installation based on “real-time” run-time data (measured).

In these 6 years we have only just received the first failed driver, when replaced the light continued to function.

