

## Heightening already high standards of protection

**CleanLight is a powerful LED panel proven to destroy deadly airborne viruses, including COVID-19, wherever it shines.**

Approved by eminent microbiologist Dr Carl Edwards and extensively tested in laboratories as well as real-world trials, CleanLight has been proven to eliminate the problem of bacteria, viruses, pollutants and odours in the air across a number of different environments.

Our Air Quality Audit is a precise, scientifically verified process that accurately measures airborne pathogens and shows where the potential for onwards transmission of disease is greatest.

Product contamination is a risk food production and packaging business are always guarding against. With the emergence of COVID-19, they've had another risk to address. Here's how CleanLight was able to help one of the largest fresh food packing firms step up their already high levels of protection.

### The problem

With a huge workforce coming on and off the factory floor throughout the day, the risk of product contamination was already high. The emergence of COVID-19 added the increased risk of viral transmission between workers significantly impacting productivity when entire shifts are required to self-isolate. The pinch point was the locker room – the one space the entire workforce (including administrative staff) had to pass through to get onto the factory floor.

But in an area where it is impossible to create more space, industrial air handling is already in place and staff protocol and the cleaning regime couldn't be stricter or any more stringent, what more can be done to increase protection, especially against an airborne virus?

### The solutions

First, we carried out our Air Quality Audit, placing a number of air sampling plates in key locations for up a 90-minute exposure period. This gave us a quantitative estimate of the concentration of micro-organisms in the air.

We were able to use a detailed analysis of the existing airborne threat, alongside verified tabulated results, to indicate where CleanLight LED panels would have optimum effect.

We installed 12 CleanLight units in these exact locations. Once installed they immediately began to control levels of airborne pathogens that no amount of extra cleaning, air change, hair and beard nets or tighter storage protocol around outdoor clothes could ever tackle. This was a totally different way of protecting staff and the factory floor from infection and contamination.

Once installed, we were able to carry out another Air Quality Audit to measure the immediate effect of the CleanLight LEDs.

## The results

In an environment where levels of cleanliness were already high, CleanLight was still able to considerably reduce airborne bacteria, heightening the existing, impressive protection against contamination and infection.

Plate Label	Time (mins)	Colony Count	
		Before Installation	After Installation
A1	30	54	24
A2	60	86	44
A3	90	75	73
B1	30	49	36
B2	60	85	78
B3	90	>300	70
C1	30	36	N/A
C2	60	83	N/A
C3	90	68	42

**Bacteria was reduced by 44% just 30 minutes after switching CleanLight on\***

\*Based on plate A1

## The bigger picture

Even where standards of hygiene and cleanliness are already high, CleanLight can be used to unlock even greater protection, taking your standards to the next level. By first using the accurate Air Quality Audit to identify key locations for installation, we were able to apply a game-changing approach to killing bacteria and viruses in the air. This means that however complex, cramped or busy a space, you can use CleanLight LEDs to fight infection and contamination straight away on a whole new front.

