

## Protect against Covid in busy workplaces

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.

Here's how CleanLight was the ideal solution within a busy supermarket environment.

### The problem

A supermarket wanted to protect its staff from airborne viruses at all times. Although many spaces are simple and spacious, a great many areas were more complicated. Busy areas created bottlenecks, and smaller rooms and corridors were challenging to protect through social distancing. Because access was required throughout the day, closing these areas was out of the question. Lightico was able to provide the answer.

### The solutions

We used our highly effective Clean Air Audit process to identify the locker room and the toilets as critical, high-risk locations. These were places where typical protection would not be effective. Social distancing was impossible and airflow was limited, increasing the risk of airborne transmission and spreading surface contamination.

Lightico measured the precise dimensions of each space. A single CleanLight has an effective range of 7.5m<sup>2</sup>, so three panels were fitted in the locker room and two were installed in the toilets – simply and quickly replacing existing LED light fittings. In total, these five CleanLight panels provided 37.5m<sup>2</sup> of continuous protection within two busy, complex spaces.

## The results

A subsequent Clean Air Audit by Lightico proved that the CleanLight panels had reduced bacteria levels in all areas within the test locations. This was achieved within confined, complex spaces, in continual use by large numbers of people.

**CleanLight's impact was immediate with background bacteria levels reduced by up to 45%\***

\*Based on the toilet (top of soap dispenser) comparison after 90 minutes.

## Number of bacteria colonies counted after 48hr incubation:

|                                | Before Install |        |        | After Install |        |        |
|--------------------------------|----------------|--------|--------|---------------|--------|--------|
|                                | 30mins         | 60mins | 90mins | 30mins        | 60mins | 90mins |
| Locker Room (small section)    | 5              | 8      | 10     | 2             | 3      | 9      |
| Locker Room (main section)     | 2              | 10     | 13     | 1             | 2      | 6      |
| Toilet (top of cubicle)        | 98             | 163    | 260    | 60            | 109    | 177    |
| Toilet (top of Soap Dispenser) | 117            | 164    | 233    | N/A**         | 122    | 128    |

\*\*Sample was contaminated making measuring impossible

## The bigger picture

Even in seemingly impossible high traffic areas, where ventilation and space are very limited, Lightico can provide a solution.

Our Clean Air Audit is an accurate assessment process that precisely measures the levels of airborne viruses, bacteria, pollutants and odours in almost any space. Utilising tabulated data from the audit, CleanLight can then be fitted as a standard LED panel, so installation is always simple and affordable, with minimal disruption. CleanLight provides an otherwise unattainable level of protection however complex or busy a space is.

Our Clean Air Audit and CleanLight provides a protection so powerful and versatile, it's an effective solution for any environment.

