



The EU Broiler Directive requires that buildings used for rearing meat chickens provide lighting at minimum intensity of 20 lux during lighting periods. Although this light level can be achieved using artificial light, higher animal welfare standards are increasingly focusing on the provision of natural lighting within indoor poultry systems.

Conventional poultry sheds may be completely devoid of daylight or suffer from highly inconsistent daylight

levels from vertical side windows due to their aspect in relation to the position of the sun. E.g. North, South, East or West facing.

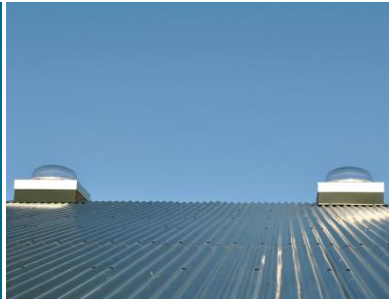
The solution to this problem in this application has been resolved by the installation of 30 Solatube Daylighting Systems that harvest daylight at roof level - a position less affected by the building's orientation.

The Solatube Daylighting Systems deliver a high degree of daylight uniformity over a much greater area than traditional windows.

Interesting to note:

Solatube Daylighting Systems for these applications use a fraction of the required glazed surface area normally associated with conventional windows thus improving the structural, thermal, acoustic and, in some cases, ventilation properties of these buildings.

In this particular application the Solatube Daylighting Systems delivered a massive 50% cost saving to the building's owner in comparison to the installation of the more conventional window system.



For more information on this application and other daylight-related animal welfare improvements please email animalwelfare@solatube.co.uk