



## ROOFLIGHTS & ROOF GLAZING

### Project reference

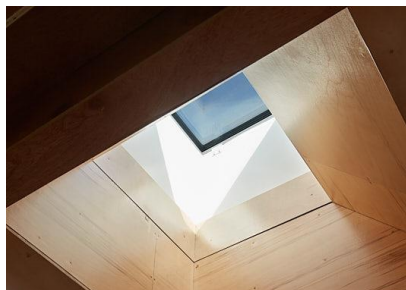
LAMILUX Glass Skylight  
FE Passivhaus

Eco Business Centre  
Bicester



Designed by leading passive house architects Architype, Bicester Eco Business Centre is a one-of-a-kind hub providing 125 modern workspaces whilst supporting start-ups and small businesses.

It is part of the new North West Bicester eco-town, a development of over 6,000 sustainable homes. The landmark business centre, which opened its doors in October 2020, is the first non-residential building in the UK to achieve the passive house 'plus' standard. The plus standard rewards passive house projects that also generate a certain amount of on-site renewable energy.



LAMILUX UK Ltd supplied and installed a total of 25 glass skylights, smoke vents and access hatches for the building. These were comprised of 18 passive house certified (pHA advanced component) Skylight FE units with an overall U-value of 0.84; six Glass Skylight FE3° smoke vents with a glazing U-value of 0.6 W/m<sup>2</sup>K; and one Skylight FE0° access hatch.





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Pre-assembled to the GRP upstands, each rooflight was simply fixed directly to the concrete sub-construction. The single-ply membrane connection detail to the upstands meant that the roofing contractor was able to easily terminate the roofing membrane at the foot of the upstands. The upstands featured its seamless internal white construction, which therefore meant no dry-lining or decoration was required.

