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## Time to replace the lighting in the barn

The amount of light from all light sources decreases over time, but one of the advantages of LED lighting is that they can be switched on for many more hours than a regular fluorescent tube.



In stables with low ceilings, it is important that the light distribution from new LED tubes is calculated.



By Tenna Bang



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On ordinary fluorescent tubes, L70 is the value, which is the value where the brightness is 70 percent of what it was when the light source was new 15,000 hours.

This means that in stables where the light is on for 16 hours a day, should the light source is changed every 2 ½ years.

If, on the other hand, a good LED light source is used, it has an L70 value of up to 50,000 hours – this corresponds to the light being switched on for 16 hours per days until it has to be changed every 8 ½ years.

The calculations come from Kurt Mortensen, Bygge og Teknik I/S.

- The joy of the low investment has long since evaporated when the cost of the low quality shows. Naturally means the purchase price matters, but the lifetime and quality of the light matter more, he says.

Kurt Mortensen says that quality is measured on a long list different parameters.

- With a daily operating time of the light of 8 hours, the payback period can for new LED fixtures versus fluorescent tubes is often kept under 3.5-4 years. Is operating hours 14-16 hours a day, the payback time is often down to 2 years. When you have a specific offer for the new lighting, you can the repayment period is calculated quite precisely, says Kurt Mortensen.

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