Next Generation Roofing
Mission and Vision Lightroof Systems BV

- By using the daylight, we create an optimal housing for your cattle. We create an efficient and nice workplace for you to work in.

- By using energy and construction cost lowering system, Lightroof Systems offers a system that provides daylight in the cowshed for any farmer.

Daylight: Always present during daytime for no cost.

Daylight is healthy. Scientific results show that daylight contributes to a better welfare for humans as well as for animals. Daylight brings you energy and a joyful work environment. Daylight for your animals means healthy animals who will be more healthier and there for produce more.

In recent years, daylight has become more and more important in the building of agriculture buildings.

- By using the Marlon CST Heat Guard corrugated sheet, the harmful solar and UV rays will be minimize in the shed, while maintaining the daylight.

Benefits Marlon CST Heat Guard

- Thermally insulated
- Fire class B1
- Impact-resistant and hail resistance
- The same as fiber cement corrugated sheets.
- Sealed ends.
- UV-protected by co-extruded layer.
- Little tension on the sheet by direct extrusion.
- Light weight and easy to assemble (construction cost saving).
- Optimized light distribution.
- 10-year guarantee, according to manufacturer requirements.
- Much daylight less heat in the stable.
- Marlon CST Heat Guard plates reduce light pollution because the alloy is throughout the entire product.
- Energy saving.
- Improve animal welfare and health.
- Reduces the use of antibiotics.
- Improves feed intake.
- Improves fertility, shortens the calving interval.
- Increases milk production.
- Better overview of the cows in the cowshed.
- Increases working in the stable.
- Preserving traditional stable appearance.

Specifications:

- Structure: Triple Walled
- Color: Transparent gray
- Thickness: 6 mm
- Profile: 177/51 mm
- Width: 1100 mm
- Weight: 2.0 Kg/m²
- U-value: 3.33 W/m²K
- Hail resistance: >27

- Light transmission: HG 25: 37%
  HG 50: 24%
  HG 100: 14%

- G value: HG 25: 0.33
  HG 50: 0.23
  HG 100: 0.13

- Max. temperature: +100 C
- Min. temperature: -20 C
- Large object impact permanence: 1200 J
- Thermal expansion coefficient: 6.7x10⁻⁵mm °C
- Maximum length: 4200 mm

We keep it cool, you milk the best