

## RETAL Lithuania

packages manufacturing facility



### THE CASE

RETAL Lithuania is one of 22 production sites of RETAL company group, providing packaging products and services. In the Lithuanian site we were asked to provide energy consumption reducing illumination with minimal investment. The quality of light, adjusting lighting levels to the specific tasks were mentioned too.

### KEY TASKS

- To reduce energy consumption
- To provide quality lighting
- To adjust lighting levels according to tasks
- To propose project with minimal investment

### THE SOLUTION

Firstly, we got familiar with the blueprints. Afterwards, we took a tour in the facility itself. There were three different manufacturing areas, hallways and a warehouse divided into two areas (open area and aisled one). We observed what processes are carried out in the areas mentioned. At the end, we got a real idea what was happening in the facility. Therefore, we could go to the planning stage and provide lighting solution that works for RETAL Lithuania.

To reduce the energy consumption and provide quality lighting Fulmar light fittings were chosen for the project. We prepared special modifications for the standard fixtures so we could use them in the place of the old luminaires. Different optics were applied to adapt lighting to specific areas.

Also, light sensors were employed. The main manufacturing area had big windows, allowing to illuminate the most of the area with daylight. Therefore, we could save considerable amounts of electricity. Also, motion sensors were used in warehouse area to provide lighting only when it was needed.

### FEEDBACK FROM THE PROJCT

“By installing BaltLED lighting in the Retal Lithuania company, the energy consumption of electricity for manufacturing facility and warehouses has decreased from 1.8 to 2 times. Meanwhile, the lighting of the same premises has improved two times. Maintenance costs have reduced too (no need to rent special equipment to change luminaires, buy new ones or hire people to carry out these tasks). The lifetime of luminaires also has increased.”

*Albertas Trakimavičius, Energy Specialist*

