



## Industrial lighting

You only want to believe it when you see it ..... have a look.

Our industrial lighting solution is making a flexible use, more light, lower energy use and a long lifespan possible. It is the best choice for (high) industrial buildings. It is a platform which can be adjusted for every situation and request of light so you only need one system for your company. The system deploys its light where it is needed. The unit for the amount of light is lux (lumen / m<sup>2</sup>). The energy saving to standard led and conventional lighting will be 35-85% depending on the situation.

Our system is developed by our self and the components are made in the USA, China, Taiwan and EU by specialised companies and everything is assembled in the Netherlands to achieve maximum quality and flexible purveying.

recycling hall (new)



The lamps are at a height of 12 meters and the distance between the frames is 10 meters. The distance between the lamps, on the frames, is 5,5 meters and have been divided as 50,5 Watt – 4 times 101 Watt – 50,5 Watt . The amount of lux on the floor is 70-180 lux. To get 200 lux on the floor we need twice as much strips (101 and 202 Watt) but the principal is very satisfied (never had so much light) so pity they did not do.

In total this building has 6 frames with lamps (one frame in roofing-in) and together with 2 outside lamps (180 Watt each) was connected on 1 fuse C16A during construction time. After realisation they were permanently on 2 fuses.

We have improved the lamps so the newest lamps give 60% more light and still use 50,5 Watt each strip.



roofing-in with 1 outside lamp (180 Watt)



The existing garage (height 6,5 meters) was using 88 fluorescent lamps (36 Watt) and were providing 60 lux on the floor. They were replaced by 36 strips (50,5 Watt) and 2 spots (18 Watt). The result is  $>220$  lux (general) and container repair unit 325 lux.

garage (existing situation uses 3168 Watt)



garage (new situation uses 1854 Watt and >220 lux)



container repair unit (325 lux)



Outside lighting:

The terrain is lighted by : 4 lamps 180 Watt  
2 lamps 120 Watt  
2 lamps 60 Watt





Our developed heat sink has a formidable cooling so at 25°C surrounding temperature the junction temperature will be 45°C. Lifespan and luminous flux will very high (dark blue line).

