

## Robust solution for a simple transition

If the brightness of the illumination previously used in a machine is simply no longer adequate for an optimum view, it should be replaced. LED industrial lights from ipf electronic, which can simply be installed in existing lighting fixtures, enable quick mounting. But that was not the only reason why a pump manufacturer was convinced.

Optimum lighting of the work area increases the production quality and improves workplace safety since the worker has good visibility in the work room while setting up as well as while loading and unloading the machine and during the running production process. A tube light that had previously illuminated the work room of a horizontal machining center at a pump manufacturer could no longer meet these demands, as the fluorescent lamp was simply lacking in brightness.

Spindle running times are known to be valuable. The pump manufacturer therefore requested that installation of the new lighting solution be quick and easy.

ipf electronic presented the customer with the AO000386 tubular machine light, a solution that could be installed in the existing fixtures of the old tube lights.

## Uniform light in a demanding environment

The LED machine light in aluminum housing with front screen made of hard glass satisfies degree of protection IP67 thanks to the Viton seals. Thus, this LED light is ideal, e.g., for use in work rooms in which coolants and lubricants are used and where the lights may be subjected to mechanical loads due to flying chips, as is the case in machining centers and turning and drilling machines.

The AO000386 is suitable for operation in a temperature range from -30°C to +60°C and features a total of 14 LEDs that supply a uniform light output with a luminous flux of 2000 lumens.

## Convincing power, efficiency and service life

With its luminosity, the AO000386 also provides considerably better illumination in the pump manufacturer's machining center compared to the old fluorescent lamp. At the same time, the new solution is more energy efficient and, due to the service life of the LEDs of more than 50,000 hours, is very long lasting, eliminating the need for maintenance work - at least with regard to the lighting of the machining center.

Image caption:

The direct comparison makes it clear: compared to the fluorescent lamp (right), the LED solution from ipf electronic provides much better illumination of the work room (left).

