

ELOlighT

> LED Lighting System



- > OPTIMUM WORKPLACE LIGHTING IN ACCORDANCE WITH THE SPECIFICATIONS OF PROFESSIONAL ASSOCIATIONS
- > OPTIMISED FOR VNA TRUCKS AND HIGH-LEVEL ORDER PICKERS
- > CAN BE ADJUSTED BY THE DRIVER TO FIT REQUIREMENTS AT ANY TIME WITHOUT TOOLS
- > LONG SERVICE LIFE DUE TO LED TECHNOLOGY
- > EXTREMELY LOW-ENERGY



> ELOlight work area illumination system

Initial situation:

Requirements of lighting in narrow aisles according to the technical rules for workplaces ASR 3.4:

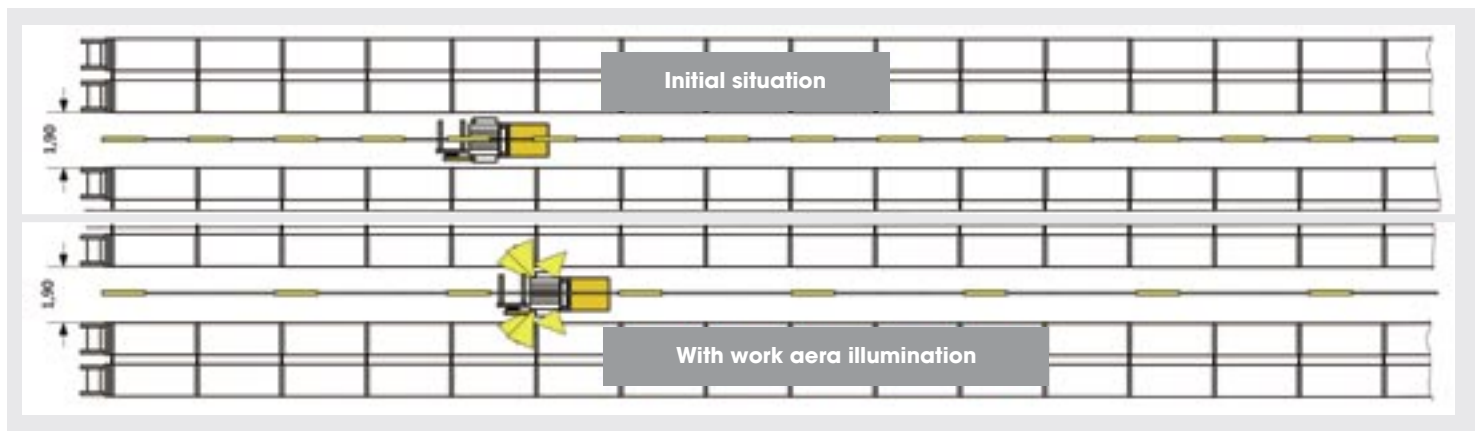
- > A horizontal illumination strength of 150 – 200 lx depending on the visual task.
- > A mean vertical illumination strength at the shelf and storage equipment which is at least 1/3 of the horizontal illumination strength.
- > Good vertical illumination which lights into the compartment and illuminates the reception and picking area.
- > Avoidance of direct and reflected glare.

These requirements in a tall, narrow aisle demand lights with very strong luminous flux and corresponding power consumption.

With work area illumination:

Benefits of using the ELOlight work area illumination:

- > 150-250 lx are achieved vertically and horizontally in the direct vicinity of the truck driver.
- > The lights can be adjusted as required by the driver without tools.
- > An illumination strength of just 50 lx is now sufficient for the aisle lighting.
- > At least every second lamp in the aisle lighting can be deactivated.
- > Considerable investment costs are saved during necessary renovation of the aisle lighting.
- > Energy savings are between 60 and 95%.



> Fitting the ELOlight

The work area illumination and the power supply box are attached to the protective roof of the driver's cabin with tool holders. The fixing locations depend on the respective area to be illuminated.

- > Two lamps pointing sideways with an angle of radiation of 35° illuminate the reading area or to allow removal from storage equipment.

The box is connected to the power supply of the forklift truck's existing side lights by means of the cable supplied. The side lights can then be switched off.

- > A total of four lamps with an angle of radiation of 24° for the pallet handling area are provided (two on the side and two on the protective roof) depending on the forklift type.

> TECHNICAL DATA

ELOlight

Power supply box

| | |
|-----------------------------|----------------------------------|
| Power supply | 24V DC, (22 – 30V DC) |
| Protection class | |
| Power input | 870 mA (950 – 700 mA) |
| Fuse protection | 1,0 A medium time lag micro fuse |
| Complete system power input | approx. 20W |
| Thermal protection | integrated |

LED lamps

| | |
|-------------------------------|----------------|
| Power input | 350 mA |
| Number of LEDs per lamp | 3 |
| Single lamp power input | approx. 3,3W |
| Single lamp luminous flux | around 300 lm |
| Radiation angle | 24°, 35° |
| Light cable connection length | approx. 1,20 m |