

# High Bay Installation

## CASE STUDY

*"We have tested several manufacturers of power LED chips with the result that all technical data and critical values of Bridgelux are better than the ones of the competitors."*

– Julia Jenner, CDS

### Background

Wegener Härtetechnik GmbH is a renowned company for metal refining, hardening and nitriding of a variety of steels and other heat treatments like vacuum hardening with high pressure gas quenching or low pressure carburizing.

### Project

Wegener Härtetechnik wanted to reduce their maintenance cost while saving energy and improving the quality of light in their manufacturing facility.

### Participating Companies



### Challenges

- 400W metal halide fixtures
- 40 hours per week operation
- Energy Cost: 80€/Year/Light

### Solution

- LED high bay luminaires were installed to throughout the manufacturing facility:
- **CDS Luminaire:** LED-Hallenleuchte HLX 100
  - **Bridgelux LED Arrays:** Vero 29

*"We are convinced that Bridgelux manufactures high quality products with an excellent price/performance ratio. In particular, an outstanding support by the current sales team and a quick availability ensured through distribution, contribute to the high quality of the product."*

– Julia Jenner, CDS

### Benefits

Bridgelux and CDS were able to achieve significant benefits for Wegener Haertetechnik:

- Energy Reduction: From 400W to 75W/Fixture
- Energy Cost Reduction: From 80 to 20 € /Fixture/Year
- Zero maintenance since installation
- Increase quality of light

*"The CDS luminaire, based on high performance Bridgelux LEDs, is a very high-quality light and withstands our high shop floor temperatures. This is the right decision!"*

– Wegener Härtetechnik Management

### Final Installation



### Bridgelux Array and Final Fixture



### Fast Facts

#### Client:

[Wegener Härtetechnik GmbH](#)

#### Location:

Homburg, Germany

#### Manufacturer:

[CDS Gesellschaft Für Innovative Steuerungstechnik GmbH](#)

LED technology: [Bridgelux](#)