LED Lighting for the Industry - Surface Plating



Challenge
The new hall for surface plating is designed for 3-shift operation. Due to different tasks and visual performances in the room, special demands were placed on the new BuR Lighting LED illumination. The light color was set at 4,000 Kelvin. The energy-efficient new illumination should result in an optimum illumination of the surfaces.

LED Lighting Concept
The personal advisory took place on site. The technical lighting requirements at a hall height of 14.3 m led to the installation of 28 dimmable 200W ZigBee LED High Bay luminaires equally positioned under the ceiling and controlled according to daylight. ZigBee Control supports the permanent alignment of daylight and artificial light with radio-controlled data and signal transmission. ZigBee® is a registered trademark of the ZigBee® Alliance.

BuR Lighting Lighting Design
BuR Lighting designs with DIALux evo are based on:

EN 12464-1 Norm
Illumination of Indoor Workplaces

ASR A3.4 Workplaces Guideline
Technical rules for the illumination of workplaces

Lighting Quality
- High quality controllable LED illumination
- Deep-wide-beam illumination of the working plane and the mechanical equipments
- Average illuminance: E_m=350 Lux
- High uniformity of illuminance: E_{min}/E_m= 0,48
- Pleasant light colour: 4.000 Kelvin
- Very good colour rendering: Ra>80
- High visual comfort

BuR Lighting Luminaires
- Article: LED High Bay ZigBee
- Art.-No.: 4111200P09040VZ
- Housing: Aluminum Die-Cast
- LED Driver Input Voltage: 100V-240V
- LEDs: Nichia Chip
- Wattage: 200W
- Beam Angle: 90°
- Protection Rating: IP65
- Intelligent Lighting Control: ZigBee

Savings and Benefits
- Radio controlled LED Luminaires
- Sealed Wide Voltage LED Drivers
- Lighting Control according to Daylight
- LED Life Span: 50.000 h
- Luminous Efficacy: 130 lm/W
- High Energy- and CO_2-Savings p.a
- Lowest Maintenance Costs
- Less Installation Work due to the special Cable Length

BuR Lighting
Vertrieb, Projektierung, Lager
Heedfelder Str. 61-63
D-58509 Lüdenscheid

Fon: +49 2351 96 36 65
Mobil: +49 152 23897612
E-Mail: m.hoffmeister@bur.lighting
Web: www.bur.lighting

Lichtbereich der I.N.D.I.A. GmbH
Geschäftsführer: Dr. Markus Hoffmeister
HR B 4901 Amtsgericht Iserlohn
Ust.-IdNr.: DE 233933544

Technische und formale Änderungen vorbehalten
© Copyright - BuR Lighting