LED Lighting for the Industry - Conference Room



Challenge
The conference room was equipped with 4x18W T8 fluorescent lamp recessed luminaires. The general lighting resulted in high energy costs, frequent lamp replacement and high maintenance costs. Due to the use of conventional ballasts with low lamp supply frequency, the light was not stable and made the required visual performance difficult.

LED Lighting Concept
The personal consultation took place on site. BuR Lighting 36W LED Panel luminaires were used, which can be individually controlled via DALI. This resulted in very energy-efficient operation of the luminaires. The light colour was set at 4,000 Kelvin. The new lighting led to an increase in lighting quality.

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
- Smooth and controllable LED illumination
- Wide-beam illumination of the working plane
- Average illuminance: E_m=530 Lux
- High uniformity of illuminance
- Pleasant light colour: 4.000 Kelvin
- Very good colour rendering: Ra>80
- High visual comfort

BuR Lighting Luminaires
- Article: Recessed LED Panel Luminaire
- Art.-No.: 3225036H12040DN
- Frame: Aluminum
- Height: 9mm - ultraflat
- LED Driver Input Voltage: 100V-240V
- LEDs: Epistar 4014
- Wattage: 36W
- Beam Angle: 120°
- Intelligent Lighting Control: DALI

Savings and Benefits
- LED Panels with higher protection rating
- Optical cover made of acrylic in opal
- Electronic LED Driver
- High-Frequency Control of LEDs
- LED Life Span: 50.000 h
- Luminous Efficacy: 80 lm/W
- High Energy- and CO_2-Savings p.a
- Easy lighting control: DALI
- Lowest Maintenance Costs

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