

Sustainable Illumination

Sustainable Illumination - Mission

BuR Lighting offers the industry modern and energy-efficient LED luminaires, LED lighting systems and electronic components. As a lighting consultant, distributor and coordinator, BuR Lighting supports commercial users in the realisation of economical and sustainable lighting solutions from a reliable source. We feel obliged to achieve the economic requirements of our customers while respecting the requirements of environmental protection.

BuR Lighting consults:

LED Lighting:
- High-quality lighting
- Visual comfort (DNGB rating)
- Economical use
- Reasonable switching on and off
- Optimal dimming
- Light and shadow
- Right intensity
- Avoidance of glare

BuR Lighting plans:

Qualified Lighting Design:
- Use of professional lighting design software DIALux evo
- Detailed object analysis and evaluation
- Demand-oriented planning
- Maximum lighting comfort with minimum energy consumption
- Sustainable lighting in line with standards
- Compliance with EN 12464-1 and ASR A3.4

BuR Lighting delivers:

Optimized LED luminaires:
- Highly efficient, shapely and minimized
- Resource-saving lighting technology
- Optimized light directing systems
- State-of-the-art LEDs
- LEDs without UV and IR radiation
- Electronic control gears
- High light output ratio

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Sustainable Illumination - Goals

BuR Lighting markets energy-efficient lighting for industry. BuR Lighting is committed to achieve its economic goals while respecting the requirements of environmental protection. This includes the combination of socio-cultural aspects, economic efficiency and environmental protection. The balanced consideration of these topics leads to sustainable, energy-efficient and environmentally friendly LED lighting in companies.

Socio-cultural aspects:

Positive effects on:
- Work safety
- Security Feeling
- Health
- Environmental protection
- Climate protection (Kyoto Protocol 1997)
- Protection of resources
- Economic efficiency

Economic efficiency:

Efficiency by LED luminaires:
- Energy-related products (Ecodesign Directive 2009/125/EC)
- Observance of the Energy Saving Regulations (EnEV 2014)
- Low energy consumption
- High luminous efficacy
- Avoidance of light immissions due to precise light control
- Low CO_2 emissions
- Excellent ecological balance
- Low maintenance costs
- Extremely long life span
- Low installation costs

Environmental protection:

Eco-friendly materials:
- Compliance with the RoHS Directive
- Low emission
- Lowest use of mercury, nickel, cadmium
- Lightweight, reliable electronic components
- Exchangeable components
- Recyclable (aluminum, plastics, glass etc.)

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Sustainable Illumination - Goals

Based on the requirements of the Human Centric Lighting (HCL) concept, BuR Lighting offers very high-quality energy-efficient LED luminaires and LED lighting systems with intelligent lighting control. Well-founded light planning designs consider the requirements for sustainable lighting in advance. With regard to good light in combination with the aspects of economic efficiency, socio-culture and environmental protection, BuR Lighting is your reliable partner.

Socio-cultural aspects:

Human Centric Lighting Concept:

- Creates a pleasant atmosphere
- Strengthens the biorythm
- Promotes well-being
- Strengthens health
- Generates more vitality
- Promotes concentration
- Leads to higher performance
- Improves the quality of life
- Reduces failure rates

Economic efficiency:

Intelligent lighting control:

- Dimmability of the LEDs
- Individual lighting control
- Building system technology: DALI or ZIGBEE
- Saving and recalling variable lighting scenes
- Savings due to sensor technology
- Light adjustment to the daylight progression
- Presence check
- Additional energy saving potential

Environmental protection:

Green-Building Certificates:

- British Green Building Certificate BREEAM label
- US Leadership in Energy and Environmental Design LEED label
- German Sustainable Building Council DGNB Seal Gold, Silver, Bronze

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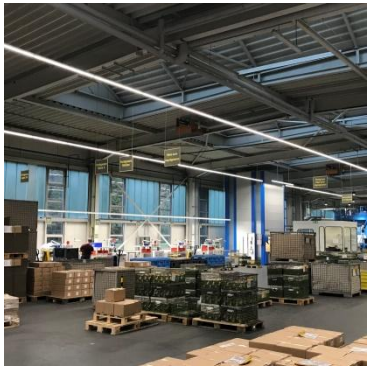
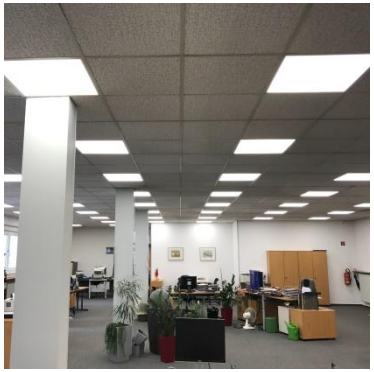
The BuR Lighting references for sustainable LED lighting in different operational areas are characterized by the expert lighting of the workplaces, compliance with the lighting criteria according to EN 12464-1 and ASR A3.4. In BuR Lighting projects a short amortization period of the investment (RoI) is achieved. The illumination meets the requirements of the Human Centric Lighting concept and the relevant standards.









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