

Benefits of dimming system TRILL © for LED-streetlights,

building illumination and industrial lighting

- Power savings up to 90%
- Long product life of approximately 50,000 hours
- Low heat level
- Low maintenance and cleaning costs
- Manual or automatic brightness settings for light on demand
- Any number of lighting groups auto- or sensor-controlled
- Adjustable lighting scenarios over 24 hours and weekends
- Deviations from preprogrammed scenarios easily feasible manually
- Local brightness control with RADAR or PIR sensor
- Selectable switch-on brightness. Restart on power failure with the last brightness
- Constant hall lighting with e.g. 300 LUX. Consideration of daylight
- Battery-powered creditcard-size remote control for e. g. security services
- Convenient and simple settings via PC
- Stand-alone operation without computer
- No additional cable laying necessary
- Combined control of groups and entire installation
- No transmission of control information via power cord
- Interference-free transmission by radio
- No maintenance costs for controls over 20km distance
- Europe-wide approval

Users advantages

- Instant 100% luminosity after switching on
- Color reproduction - high RA values of the illuminated objects
- Regulation of brightness and color temperature
- Up to 1 million on-off-switching cycles
- Shockproof and vibration resistant
- Dust and water-proof versions available
- Reduced contamination by insects
- Long warranty periods on all electronic components
- Good radio penetration of walls and shelves (storage applications)
- Minimal radio emissions, less than one thousandth of a mobile phone

Advantages in safety

- Reduced risk of fire with powerful LED high bay luminaires - lower insurance costs
- Tolerated voltage fluctuations of 85-285 volts.
- Different classes of protection / protection classes I + II
- No Ex / implosion of lamps. Safety at work

Health benefits

- No harmful ultraviolet light portion - use in sensitive areas possible
- No harmful IR light component - use in sensitive areas possible
- No buzzing - feel perfectly at ease at the workplace
- No flickering - wellbeing at work

- No flickering - jobsite safety
- Low light output of streetlights on private or natural terrain

Environmental Benefits

- Recyclable up to 100%, no harmful waste (for example, mercury)
- Environmentally friendly technology, reduces carbon dioxide emissions
- Reductions in energy and electricity costs.
- No light output to unwanted areas, in the sky or in nature (lowest light pollution)

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