

## MCI-LED-lamps for retrofitting existing HQL-NAV- and Neon lighting

### Application possibilities

- LED-lamps for retrofitting existing roads -tunnels-halls-buildings and park lighting
- optimized energy-saving power
- no ballast needed
- direct replacement without conversion possible
- important CO<sup>2</sup> value reduction factor
- long service life, no maintenance cycles, low cost so very short payback time
- easy replacement of existing systems



LED-lamps as replacement f. HQL/NAV holder E 27 o. E 40



LED-tubes, as a substitute for neon lights also with emergency lighting function available during power failure (Persistence 1,5- 3 hrs.)

### Advantages

- LED lamps can be used anywhere.
- indoor and outdoor lighting, public roads, Roads, parks, existing poles /lamps can be used.
- The LED lamps can be easily inserted. Existing ballasts can be removed or bypassed.
- The LED bulbs have a lifespan of about 20 years.



30 Watt LED-lamps replacing 125 Watt HQL-lamps ( federal road in Vogtland)



LED-tubes for good light and the workplace



LED-lamps for use of existing street lighting



Option:  
LED-lamps  
270 Grad-

To avoid scattered light in gardens and windows

### Technical data

LED-tubes-power:

-MCI LED-T8- 60 cm/ 10 Watt- 1050 Lumen  
 -MCI LED-T8- 90 cm/ 12/18 Watt- 1400/1850 Lumen  
 -MCI LED-T8-120 cm/ 20/25 Watt- 2050/2450 Lumen  
 -MCI LED-T8-150cm / 22/25/30/36 Watt- 2350/3000/3800 Lumen

LED-lamps-power:

-power-360 deg: 10-60 Watt  
 -holder E 27 oder E 40

-power-270 deg.: 20/30 Watt  
 -holder E 27