



Dimmers  
for road lighting  
Dimming without voltage dip

dimmi**LIGHT**  
ZDM units

L I G H T   G I V E S   S E C U R I T Y

### **Switching-off of road lighting to reduce cost?**

"Numerous town and villages switch off the lamps", "Rescue men grumble" and "Inhabitants in fear" – these are the headlines in the media.

Police spokesmen comment on the switching-off of road lamps by saying: "the only ones who feel save are the crooks".

It is well known that the partial or complete switching-off of road lamps increase the risk of accidents and the crime rate and impair the quality of life. But it is also known that it is necessary to reduce the cost of road lighting.

By means of the novel principle (patent application DE 102 05 552 A 1) of the continuously adjustable dimmer, the power consumption of road lighting systems can be reduced by up to 67 % without waiving uniform illumination.

## **● dimmLIGHT units**

**Dimming without voltage dip**

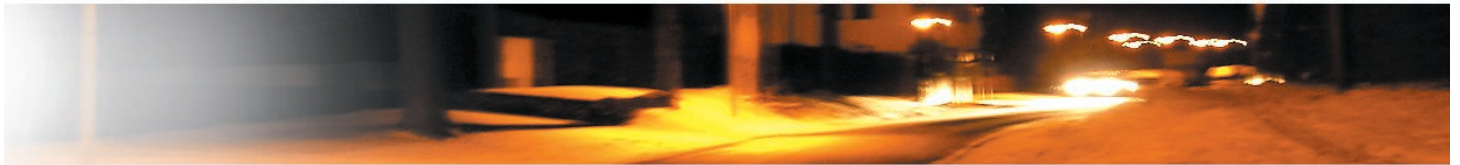
**Highest reduction of consumption in the world by 67 %**

**Uniform illumination**

**Amortization of the unit within max. 2 years**

### **● Further product features of the dimmLIGHT units are:**

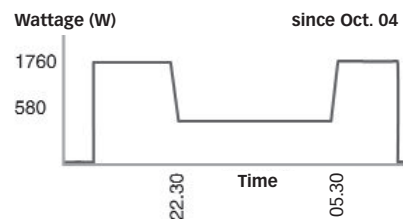
- Constant adjustment of the output voltage to 230 VAC
- Dimming by current regulation
- No power consumption in idle run
- Protection against short circuit, line-to-earth fault and overload
- Central power-factor compensation (abolition of condensers)
- Easy retrofitting
- Individual dimming profiles can be adjusted
- Analog interface
- Easy fault detection by diagnosis software
- Automatic switchover summer time – winter time
- Compliance with the regulations of electromagnetic compatibility



## REFERENCE SYSTEMS ●

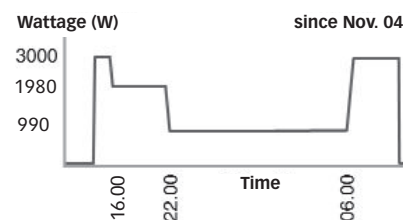
### Steckby (Saxony-Anhalt), Lindenweg • 22 lamps à 80 W

Illuminant:	mercury arc lamps
Total wattage:	1,760 W
Dimming time:	22:30-05:30 by external clock
Annual saving:	approx. EUR 400
Annual CO <sub>2</sub> saving:	approx. 1,500 kg
Installation:	October 2004



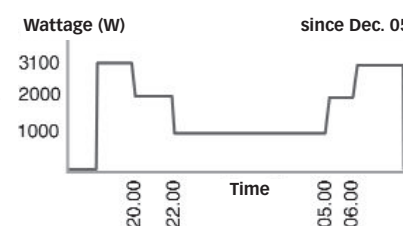
### Schmiedefeld (Thuringia), Suhler Strasse • 20 lamps à 150 W

Illuminant:	sodium arc lamps
Total wattage:	3,000 W
Dimming time:	from start by dimming profile
Annual saving:	approx. EUR 1,100
Annual CO <sub>2</sub> saving:	approx. 4,200 kg
Installation:	November 2004



### Großbreitenbach (Thuringia), Hauptstrasse • 31 lamps à 100 W

Illuminant:	sodium arc lamps
Total wattage:	3,100 W
Dimming time:	20:00-06:00 by dimming profile
Annual saving:	approx. EUR 880
Annual CO <sub>2</sub> saving:	approx. 3,200 kg
Installation:	December 2005



## Other reference systems ●

<b>Langwiesen</b> , dwelling estate Steete/Knieberg	44 lamps à 50 W, 55 lamps à 70 W, sodium arc lamps
<b>Hirschau</b> , Am Mühlbach	9 lamps à 50 W, sodium arc lamps; 14 lamps à 80 W, mercury arc lamps
<b>Zerbst</b> , car park of Hagebau DIY store	36 lamps à 100 W, sodium arc lamps
<b>Kassel</b> , Landgraf-Karl-Strasse	44 lamps à 50 W, sodium arc lamps
<b>Troisdorf</b> , car park of school centre	22 lamps à 100 W, sodium arc lamps
<b>Wyk/Föhr</b> , Strandstrasse/Promenade	36 lamps à 70 W, sodium arc lamps

You find a large selection under [www.dimmLIGHT.de/referenzen](http://www.dimmLIGHT.de/referenzen).



LIGHT GIVES SECURITY



[www.dimmLIGHT.de](http://www.dimmLIGHT.de)

**dimmLIGHT units**  
for lighting control on demand

- Dimming without voltage dip
- Highest reduction of consumption in the world by 67 %
- Uniform illumination
- Amortization of the unit within max. 2 years



a product of

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**SAVING WITHOUT SWITCHING OFF**