

**B.E.G.**



**STILL EVEN BETTER!**





ENERGY IS LIFE

## For the future of our environment

**B.E.G.**

The pole caps are melting, sea levels are rising, freak storms are getting worse and increasing in frequency – all as a consequence of increased CO<sub>2</sub> emissions.

**B.E.G.** is aware of these changes and, with its extensive range of presence detectors, the use of energy-saving bulbs in lights and heating regulators,

is helping to reduce CO<sub>2</sub> emissions and protect resources.

Saving energy with **B.E.G.** also means cost reduction and environmental protection.

**For an environment worth living in! ■**





avea



REACH

KPMG



ear



LIGHT IS LIFE

# Energy savings = cost reduction + environmental protection

**B.E.G.**





Light is essential to life, it's both a source of energy and the elixir of everything living. Energy is precious which is why saving it, also means protecting the climate and environment and conserving resources to save the place in which we live.

With the aim of satisfying demands for a clean environment, **B.E.G.** has developed products that

contribute to optimum light and heat management in accordance with requirements and that comply with the latest environmental-protection guidelines and directives issued by the European Union.

**For the future of our children! ■**

## Example of **B.E.G.** energy and environment balance sheets Automatic lamps

AL1, AL4, MD6			AL20, ALC-B, AL2				
Mode / bulb	60 W bulb		Savings 	Mode / bulb	100 W bulb		Savings 
	Without MD	With MD			Without MD	With MD	
Consumption in kWh / year with an average life span of 8000 h	175 kWh	22 kWh	153 kWh	Consumption in kWh / year with an average life span of 8000 h	292 kWh	37 kWh	256 kWh
CO <sub>2</sub> emission reductions / year			77 kg*	CO <sub>2</sub> emission reductions / year			128 kg*
Also available trees for CO <sub>2</sub> reduction			 x 3**	Also available trees for CO <sub>2</sub> reduction			 x 6**
<b>Costs per year at 0.15 € / kWh</b>	<b>26 €</b>	<b>3 €</b>	<b>23 €</b>	<b>Costs per year at 0.15 € / kWh</b>	<b>44 €</b>	<b>5 €</b>	<b>39 €</b>



\*0.5 kg CO<sub>2</sub> for generating 1 kWh with mean energy mix  
 \*\*1 tree absorbs around 20 kg CO<sub>2</sub> / year  
**without MD** (movement detector) = permanent light  
 (mean total of the time lamps are switched on approx. 8 h in 24 h)  
**with MD** = light only on with movement  
 (mean total of the time lamps are switched on approx. 1 h in 24 h)



# LIGHT WORKS



The premium class  
**LUXOMAT® RC-plus next**



The middle of the range  
**LUXOMAT® LC-plus**



The low-cost version  
**LUXOMAT® LC-Click**



The action product  
**LUXOMAT® LC-Mini**

# Intelligent home – light by movement ... but only when it's needed

**B.E.G.**

**B.E.G.**'s outdoor movement detectors with up-to-date PIR technology operate by detecting moving sources of heat using infrared technology and by activating or deactivating lamps depending on ambient light conditions. They are preferably used for outdoor lamps on houses and are thus particularly good for saving energy, reducing costs and providing maximum security.

The new remotely controlled **LUXOMAT® RC-plus** next with its modern sensors and dynamic follow-up time adjustment in particular sets standards for motion detection.

**For maximum safety and comfort! ■**





# LIGHT THROUGH PRESENCE

| Switching with PD –  
one or two channels

| Switching with the PD-  
Master – one or two  
channels

| Switching with the  
PD-Master-DUO –  
two channels

| Dimming with the PD-  
Master – one or two  
channels





## For safety, comfort and saving energy

**B.E.G.**

Both in the management of light as well as in building control tasks, presence detectors can contribute to achieving considerable energy savings: presence detectors switch on lamps, heating and ventilation only when they are actually needed. They also incorporate the available daylight into the general lighting and thus also utilize natural resources.

Presence detectors are motion sensors with a detection angle of 360° that have been designed for installation in ceilings and indoor use and that regulate overall brightness by measuring different sources of light (natural or artificial). **B.E.G.**'s range includes presence detectors for all applications and for all special requirements.

**For more energy efficiency in buildings! ■**





# LIGHT INDOORS

| Special 24 V solution



| LON-BUS



| KNX/EIB-BUS



| DALI/DSI-BUS



## Also protecting resources with BUS systems

**B.E.G.**



**B.E.G.**'s range includes presence detectors for all BUS applications: DALI, DSI, KNX/EIB, LON and special 24 V solutions. The new digital detectors (PD2, PD4 and PD9), successors to the analogue presence detectors with dimming function, permit users to control both DSI and DALI electronic ballast systems.

Modes may be selected by remote control:

Four different modes are available with the KNX/EIB versions: normal mode (switching), semi- or fully-automatic mode with constant light control (dimming), slave mode and alarm function. LON versions have more than seven device functions. Besides the sensor, KNX/EIB and LON presence detectors also possess corresponding BUS connectors. The required software is also included while it may also be simply downloaded from **B.E.G.**'s homepage at [www.beg-luxomat.com](http://www.beg-luxomat.com).

**For individuality and quality! ■**





SETTING THE SIGHTS ON LIGHT



## Individual variety – timeless design

**B.E.G.**

This combination of movement detector and sound detector (Indoor 180-R/T/TR) is innovative and unique. The **LUXOMAT®** Indoor 180 automatic light switch saves energy by switching lamps on or off as required – both in private as well as commercial properties. Staircases, corridors, entrance areas, kitchens and bathrooms in apartments, family homes, bars and restaurants, hotels, offices and hospitals are ideal

locations for this product. In the IP54 version, the **LUXOMAT®** Indoor 180 may also be used in damp areas, e.g. cellar staircases and garages. The switch combination prevents lamps from being activated by external noises. The integrated twilight switch allows operational readiness to be set individually.

**For personal demands and all tastes! ■**



**LUXOMAT®**  
Indoor 180-R –  
relay version with  
three-wire engineering



**LUXOMAT®**  
Indoor 180-T –  
triac version in two-  
wire engineering



**LUXOMAT®**  
Indoor 180-TR –  
for controlling automatic  
staircase lighting



**LUXOMAT®**  
Indoor 180-M/-S –  
Master and Slave  
version



LIGHT WITH FUTURE



1975



## A company with more than 30 years of tradition

**B.E.G.**

**B.E.G.** Brück Electronic GmbH was established over 30 years ago in 1975. The business commenced with the development and production of emergency lighting.

Motion detectors were included in the production programme in 1986. Other product families, e.g. **VIDEOLUX®** and **LUXOMAT®** ECOLIGHT, were also developed to broaden the range.

The growth in automated systems and the resulting control processes in buildings where people are monitored has resulted in a greater demand for systems that are able to detect the presence of people.

In 2006, **B.E.G.** re-assumed responsibility for handling the sales of its entire production range from its previous sales partner with the aim of re-establishing close ties with its customers.

The new sales and logistics centre with adjacent production and development department in Lindlar was taken into operation in 2007. Today, **B.E.G.** enjoys an excellent reputation throughout Germany and internationally and operates branches and agencies in many countries all over the world.

1975

1986

2006

2007

2009





WITH AN EYE TO THE FUTURE



## Quality with system in your building

**B.E.G.**

This year, the company was re-certified in accordance with ISO 9001:2008. This means that all **B.E.G.**'s operations follow a standard quality management system. The top priority here is customer satisfaction. Our staff work continuously to ensure these high standards of quality and to eliminate any possible problems.

The reliability, fitness for purpose, electromagnetic compatibility (EMC) and safety of our products is ensured through cooperation with independent testing bodies.

**For optimum customer satisfaction! ■**





# WE ARE GLAD TO HELP

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The high demands we make on the quality of our products are also applied to the provision of customer care after the purchase has been made. To this end, we offer extensive after-sales services. Our highly qualified workforce will provide competent support in any questions relating to applications, re-setting and

warranties. Our sales force will help you in the planning of projects and will keep you up to date about new products by **B.E.G.** We have qualified technicians who will be glad to help you on the phone or even at site.

**For safety, comfort and energy savings! ■**

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