

PREMIERE OF THE LIGHT SOCKET.

Plug & Light redefines interior lighting and makes light control incredibly easy. For guaranteed flicker-free, dimmable LED light with matching switch designs.



Plug & Light is a defined interface that unites light control and power supply. Combined with suitable luminaires, *Plug & Light* guarantees reliable, effective and easy-to-control interior lighting. From monochrome dimming with a colour temperature of 2700k through to warm-dim (2700 - 4000k). The open system fits into all standard wall boxes commercially available in European countries. It not only redefines the way interior lighting is controlled – it also introduces a totally new way of handling the corresponding luminaires. Installing a *Plug & Light* luminaire is beautifully simple: the luminaires are docked to the socket with a magnet. Once fitted, each luminaire can be smoothly turned through 360° and can even be exchanged during operation.

Plug & Light offers flexibility for planners; for electricians, installation is easy and safe, and consumers can enjoy flexible interior lighting. The system will be available from October 2018. Manufacturers of luminaires and building technology systems can use the system to develop their own luminaires or combined power supply and light sockets. As a part of the *Plug & Light* network, they participate in designing the future of interior lighting.

THE PLUG & LIGHT PRINCIPLE

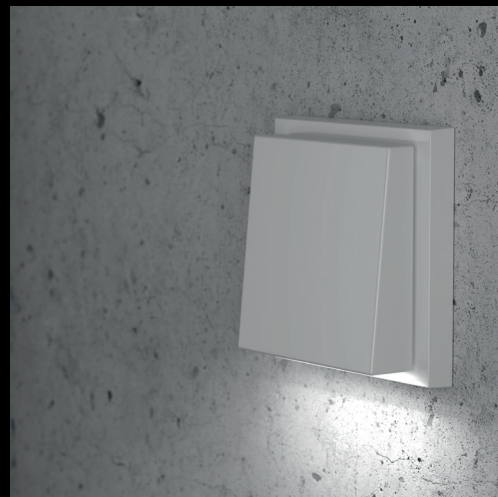


REIMAGINING LIGHT.

Plug & Light offers the freedom to change both the use of a space and the corresponding lighting, easily and whenever you want. The system also facilitates modern living in small spaces: turned through 180°, the wall-mounted spotlight that brightly illuminates a kitchen worktop for chopping foodstuffs creates a convivial, indirect light for enjoying an aperitif or dinner. With the flick of a hand and a different luminaire, a perfectly lit worktable becomes an intimate dinner table. Rotated into the right position, the wall-mounted spotlight illuminating the ceiling of a hotel room is transformed into a night-time reading light. With its safety extra-low voltage (12V), *Plug & Light* is also child-proof. Also available: a protection against dismantling.



Plug & Light brings decorative lighting directly from the wall or ceiling into the room. The matching LED luminaires are docked to the socket with a magnet and the light is instantly dimmable, without flicker. From light to dark through to warm-dim, similar to a traditional light bulb. Once docked to the socket, the luminaire can be smoothly rotated through



360°. With *Plug & Light*, interiors and lighting become flexible: luminaires can be easily exchanged or rotated and lighting is easy to control.



With *Plug & Light*, you will experience a new generation of flexible light design.

bottom left *Plug & Light* floodlight, Gira, E2
bottom right *Plug & Light* spotlight, Gira, E2
right *Plug & Light* spotlight, Gira, E2



FLEXIBILITY IN EVERYDAY LIFE



LIGHT FROM THE POWER SOCKET.

Plug & Light is synonymous with maximum flexibility in planning and with reliable functionality in lighting design. Only the sockets and switches for the future light sources have to be planned during the construction process. The suitable design and the desired luminaires can be selected towards the end or even after the completion of construction. Selecting the matching *Plug & Light* luminaires is easy: there is no more need for laborious installation and un-installation. Once the socket is installed, luminaires can swiftly be docked to the socket or exchanged via a magnetic system.



With *Plug & Light*, the design of both switches and luminaires comes from a single source and can be matched to the interior. *Plug & Light* fits into all standard wall boxes commercially available in European countries and can be selected in the desired switch design. *Plug & Light* is also available in different switch ranges from both *Gira* and *Jung*. The four *Plug & Light* luminaires from *Insta*, available at the system's launch, match the switches. Five ranges of luminaires from lighting specialist *Brumberg* offer even more freedom in

designing decorative lighting for the luxury residential market, for discerning home owners and for the hospitality industry.



Planning with *Plug & Light* creates the basis for a new generation of flexible light design.

bottom left *Plug & Light* spotlight, Jung, LS 990
bottom right *Plug & Light* floodlight, Jung, LS 990
right *Plug & Light* spotlight, Jung, LS Zero



LIGHT DESIGNED TO MATCH THE INTERIOR.

Plug & Light adds a new dimension to the installation of light sources: light becomes easy and safe to install, while customers enjoy almost limitless freedom in lighting design.



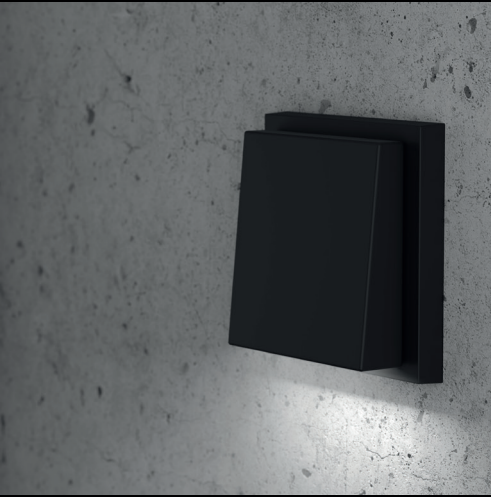
Plug & Light is a defined interface that unites light control and power supply. Combined with suitable luminaires, Plug & Light guarantees reliable, effective and easy-to-control interior lighting. The open system consists of a flush-mounted wall box and matching luminaires with control functionality. *Plug & Light* can be installed in all standard wall boxes commercially available in European countries. The system uses safety extra-low voltage (12V) and, via gold-plated connectors, delivers a maximum output of 8 watts. On top of that, the open system is extremely versatile and communicates directly with the docked luminaire, adapting to its capacity. Each *Plug & Light* luminaire works with each *Plug & Light* socket.

With *Plug & Light*, data transfer can be serial, isochronous, unidirectional or bidirectional. The protocol covers the entire bandwidth from 0 channel un referenced to 4 channel colour referenced and allows scenarios from dimming and warm-dim through to RGBW colour variants. The light is dimmed flicker-free.



Installing *Plug & Light* means creating a new generation of flexible lighting.

bottom left *Plug & Light* floodlight, Gira, E2
bottom right *Plug & Light* spotlight, Gira, E2
right *Plug & Light* spotlight, Gira, E2



EASY-TO-INSTALL LIGHT.

With *Plug & Light*, a real innovation is coming onto the lighting market. In collaboration with *Gira*, *Jung* and *Brumberg*, *Insta* is paving the way towards a new world of lighting design with its *Plug & Light* system. With flexible planning and easy and safe installation, interior lighting is redefined and light control becomes beautifully easy. Manufacturers of luminaires and building technology systems can use the system developed by *Insta* to create their own luminaires or *Plug & Light* sockets and to co-design the future of interior lighting as a part of the *Plug & Light* network. *Plug & Light* already covers the entire bandwidth from 0 channel unreferenced through to 4 channel colour referenced, allowing scenarios from dimming and warm-dim to RGBW colour variants.



Plug & Light offers switch manufacturers the freedom to combine their switch design with lighting design – with guaranteed functionality and with the whole system matched to the interior. For luminaire manufacturers, the light socket provides a unique starting point. Flexible ambient lighting, designed to adapt to changing applications and space requirements,



becomes a reality. A new way to select the ideal light has been created thanks to the *Plug & Light* magnetic system: simpler, safer, flexible.



As the developer and producer of *Plug & Light* and as an established full OEM service provider, *Insta* caters to its partners' individual technical requirements, providing its expertise where it is needed.



Including *Plug & Light* in your portfolio means co-designing a new generation of lighting design.

bottom left *Plug & Light* spotlight, Jung, LS 990
bottom right *Plug & Light* light socket, Jung, LS 990
right *Plug & Light* spotlight, Jung, LS 990



CREATING
FLEXIBILITY
TOGETHER

CO-DESIGNING THE FUTURE OF
LIGHT.



At *Insta*, lighting technology and building-automation technology come from the same source. *Insta* was founded in 1970 by three renowned companies in the field of electrical installation. As an electronic engineering centre with 550 employees, *Insta* develops and produces components, devices and systems for building technology, as well as LED luminaires and matching control systems for modern architectural lighting. Some 100 engineers are working on developing the technologies for future living, because *Insta* has always understood itself as a pioneer, providing perfect solutions to its customers.



The 'Lightment' (Management of Light) business unit focuses on bringing together electronics and design. Based on *Insta*'s core expertise, the team designs, plans and implements sensational premium LED indoor and outdoor lighting systems and solutions for high-end architectural projects. Looking back on almost 50 years of experience in developing complete OEM solutions for building technology, *Insta* is a reliable and strong partner with a broad OEM service portfolio.

Insta is known for providing luminaires and light control systems that come with a functional warranty. The *Plug & Light* system benefits from the company's longstanding experience and unique know-how in the field of lighting and of developing an international standard. This knowledge is combined with both *Gira*'s and *Jung*'s pioneering work as specialist manufacturers of flush-mounted sockets and switches. With *Plug & Light*, a genuine innovation from *Insta* enters the stage of the international lighting industry: as the system's inventor, developer and producer, the Lüdenscheid-based company has created new possibilities in interior lighting.



In addition to the light socket, *Insta* has developed four *Plug & Light* luminaires. The *Plug & Light* pendant provides accent lighting from the ceiling. Like all *Plug & Light* luminaires, the round aluminium pendant is kept in place by magnetic force and can be exchanged easily at any time. The *Plug & Light* spotlight features continuously adjustable glare protection and creating perfect light accents on the wall or ceiling. The form of the *Plug & Light* floodlight is reminiscent of a classic switch. Glare-free, the luminaire creates light accents or serves as a work light. With the *Plug & Light* 'light machine', *Insta* has developed a luminaire that can be combined with the partner's lampshades. All luminaires from *Insta* are 100% flicker-free throughout the entire dimming spectrum and can be smoothly rotated through 360°.

DEVELOPED BY INSTA



INVENTOR AND PRODUCER OF THE PLUG & LIGHT SOCKET.

“For Insta, Plug & Light is a very special product and system. We have succeeded in meeting market needs and, at the same time, in creating innovations that match Insta’s core competencies. It was extremely important to us to bring together light- and product design – and to do so in a way that would delight architects, lighting designers and consumers alike. To achieve this, with Plug & Light, we have developed a system that is easy to understand and use, that can be integrated into existing designs and that triggers that ‘must-have’ feeling in consumers.”

INSTA



light socket ● GIRA, E2

The covers are available in the Gira E2 and Esprit ranges, as well as in the Jung LS 990, LS Zero and A creation ranges.



light machine ● JUNG, LS 990



floodlight ● JUNG, LS 990



spotlight ● GIRA, E2



pendant

The four Plug & Light luminaires from Insta are available in the same colours as the switch ranges. Monochrome and warm-dim.

Founded in 1905 by Gustav and Richard Giersiepen, *Gira* is one of the leading full-service providers of intelligent system solutions for electro-mechanical and digitally networked building technology. With its many patented solutions, the family-run company has shaped the world of electrical installation since its founding. From the very beginning, *Gira's* many innovations have provided crucial impulses in the area of building digitisation. *Gira's* products and solutions are synonymous with German engineering, with 'Made in Germany' quality and with perfection in form and functionality – but, most of all, they make life easier, more comfortable and safe.



Thanks to the specialist technological know-how and the strong inventive spirit of its employees, *Gira* always succeeds in coming up with pioneering products, innovative solutions and great applications. More than 130 professionals, from software specialists to mechanical engineers, guarantee high innovative quality in product development and production. *Gira* always questions traditional solutions and thinks out of the box – an optimal foundation for creating solutions for future living today.



Gira has always placed the greatest importance on combining superb functionality and reliability with excellent aesthetics and high-end design. The 'good form' of *Gira's* products is based on the interaction of design, functionality, technical innovation and emotional appeal, because this is the only way to provide a simple and intuitive user experience. The outstanding design quality of *Gira's* products has already been recognised with many international design prizes, including the *iF design award*, the *Red Dot Design Award*, the *German Design Award* and the *Iconic Award*.



Gira has integrated the open *Plug & Light* system into its System 55 switch platform and will offer the light socket, the floodlight and the spotlight in, among others, its *GIRA E2* and *GIRA Esprit* switch ranges.

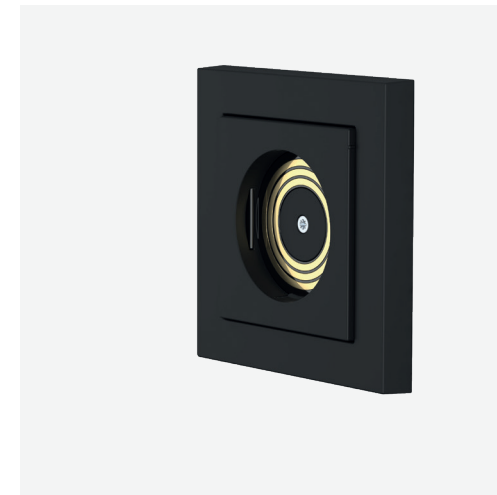
left *Plug & Light* light socket, *Gira E2*
right *Plug & Light* floodlight, *Gira E2*



WE CARE FOR THE FUTURE.

“Gira has perfected the art of integrating the most diverse functions and systems into switches. With Plug & Light, a new dimension has been added. With our System 55, we provide a platform to cater to different ways of living and to different needs via our various switch programmes. With Plug & Light integrated into the Gira switch design, we are enabling even more freedom in design.”

GIRA



light socket ● GIRA E2

The covers of the Gira E2 and Gira Esprit ranges are available in white and black matt.



floodlight ● GIRA E2

Plug & Light floodlight in the Gira E2 and Gira Esprit ranges, available in white and black matt. Dim.



spotlight ● GIRA E2

Plug & Light spotlight in the Gira E2 and Gira Esprit ranges, available in white and black matt. Dim and warm-dim.

Jung is a premium supplier of modern building technology. Switches, sockets, dimmers, monitoring devices and systems for controlling features in both residential and commercial environments are all part of the portfolio of the long-established, medium-sized company. Founded in 1912, the company's original mission is still the main driver behind product development: *Jung* develops and designs pioneering and timeless products and advanced solutions. The switches and systems from *Jung* are easy to use and can be tailored to individual requirements. They are produced in the company's two facilities located in Schalksmühle and Lünen, for which, In 2011, the company received the *Made in Germany* certificate from TÜV Nord. Firmly rooted in the region and a reliable employer for many decades, *Jung* has been known internationally for the exceptional quality of its products. As a responsible manufacturer, *Jung* places great importance on sustainable and energy-efficient production.



Sophisticated design and the ambition to create advanced solutions, from classic electrical installations to intelligent building technology, are the characteristics



that define *Jung*, together with strategic thinking and forward-looking management. The founder's grandson, Harald Jung, manages the company today together with his two partners, Martin Herms and Michael Eyrich-Ravens. Their work is still defined by the founding father's guiding principle: 'progress as tradition'. A principle that, for more than 100 years, has guaranteed international market success. Also contributing to this success is the team spirit of *Jung's* 1200 employees in Germany, as well as the 17 subsidiaries and 67 representations in Europe, the US, the Middle East and Asia.

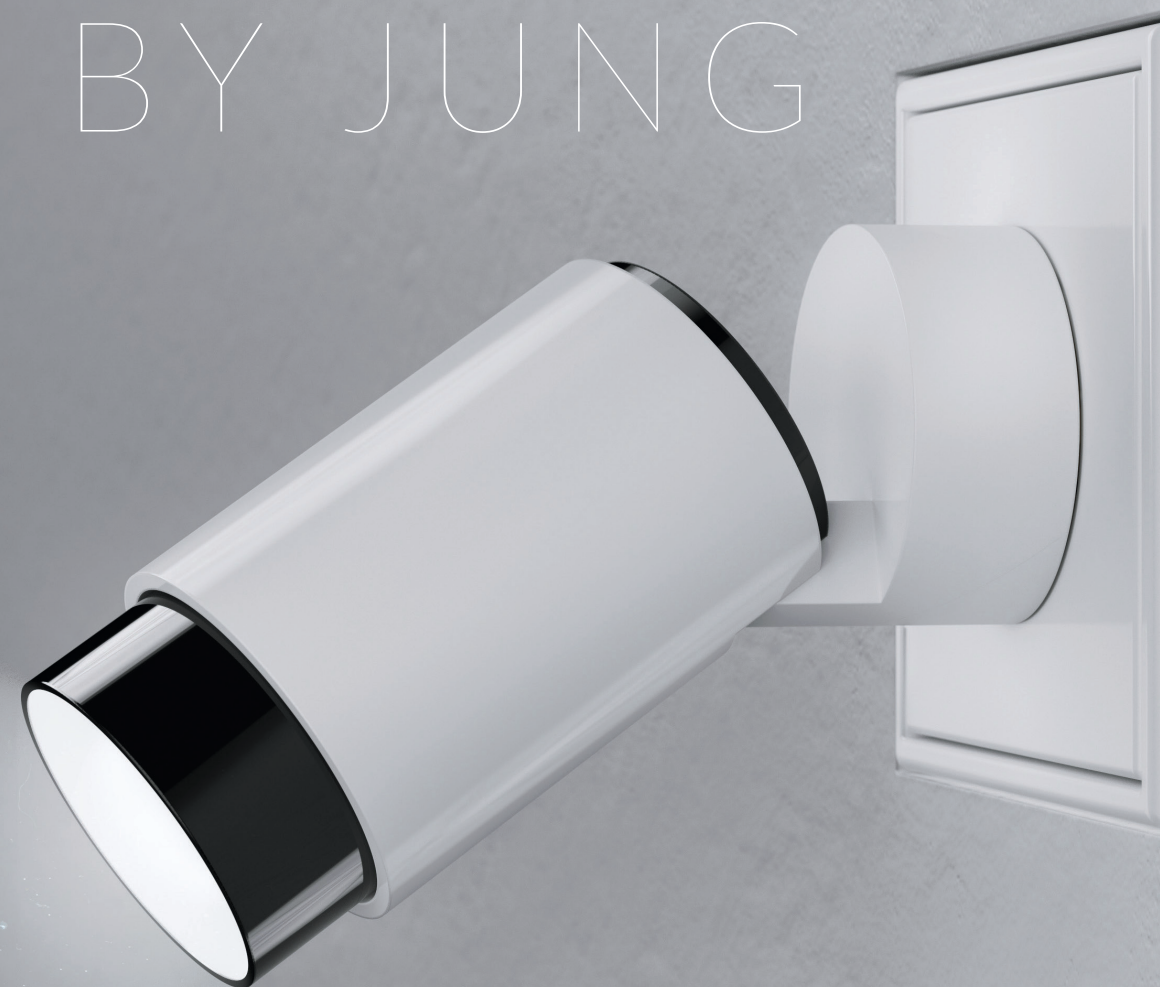


Products from *Jung* are characterised by durability and precise workmanship down to the smallest detail, from classic electrical installations to state-of-the art building technology. Always abreast of the latest innovations and developments, *Jung* focuses on timeless and sustainable products, offering smart and energy-efficient solutions for modern work environments, for elegant home interiors and for the hospitality sector.

Jung offers *Plug & Light* in a spectrum of colours for its *LS 990*, *LS Zero* and *A creation* switch designs. *Light sockets*, *floodlights* and *spotlights* are available in matching colours.

left *Plug & Light* light socket, Jung LS 990
right *Plug & Light* spotlight, Jung LS Zero

FEATURED BY JUNG



PROGRESS AS TRADITION.

“Since 1912, Jung has been synonymous with the skilful combination of high-end design and innovation. With Plug & Light, a true innovation has entered the lighting market. Providing the light socket in the Jung switch design was a logical consequence.”



light socket ● LS 990

The covers available in the *LS 990*, *LS Zero* and *A creation* ranges. *LS 990* and *LS Zero* come in white, black, aluminium (lacquer finish) and stainless steel (lacquer finish); *A creation* available in white, black and aluminium.



floodlight ● LS 990

Plug & Light floodlight, available in the *LS 990*, *LS Zero* and *A creation* ranges. Dim and warm-dim.



spotlight ● LS 990

Plug & Light spotlight, available in the *LS 990*, *LS Zero* and *A creation* ranges. Dim and warm-dim.

Brumberg has been developing lighting systems and luminaires since 1873. Among the company's first products were petroleum lamps, developed and produced by *Brumberg*. Today, *Brumberg* is one of the leading German producers of luminaires. The family-run company sees itself as a pioneer in the field of innovative and future-oriented products. With a focus on LED solutions, *Brumberg's* luminaires for indoor and outdoor applications stand out thanks to their sophisticated design, their wide range of functions, state-of-the-art technology and their energy-efficient operation.



Ceiling lights, wall-mounted lights and floor lights: *Brumberg* offers a comprehensive spectrum of high-end luminaires and light control systems for various applications in commercial and residential lighting, for industrial facilities, offices, shops, hotels, restaurants and bars and for the home.



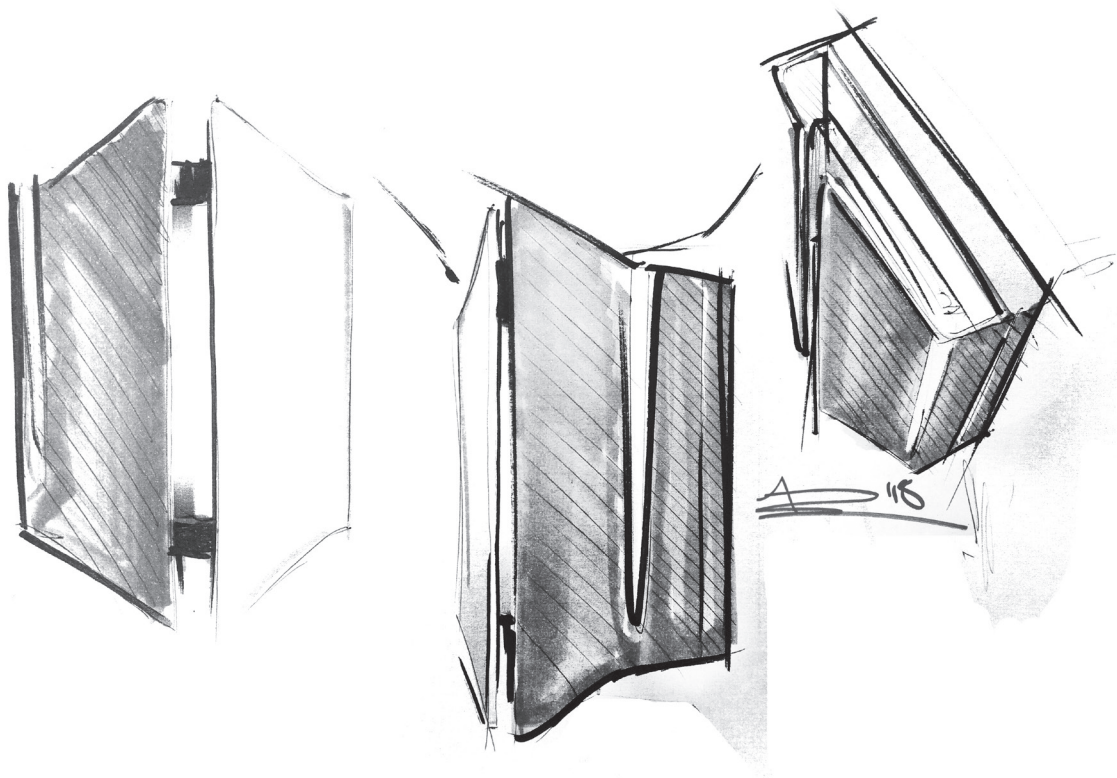
Brumberg's products and services have always been based on the company's commitment to listening to its customers and to identify with their needs and requirements. With this approach, the company based in the Sauerland region always finds the perfect solution and delivers excellent results, achieved in collaboration with its clients. *Light. For generations.*



As a *Plug & Light* partner, *Brumberg* has developed five decorative ranges of luminaires for the system's market launch. All ranges include a ceiling light, a wall-mounted light and a pendant. With *Double*, *Gramo*, *Saloon*, *MiniQU* and *WALLED*, *Brumberg* offers a comprehensive portfolio of high-end luminaires providing perfect lighting for both the home and contract interiors.



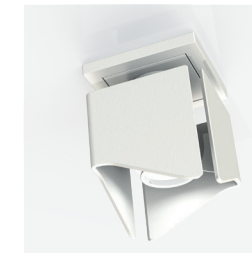
PLUG & LIGHT MEMBER BRUMBERG



LIGHT. FOR GENERATIONS.

*“Freedom in design. Flexibility. Simplicity.
These three qualities motivated us to develop
luminaires for the Plug & Light application.
The simple and safe installation and the reliable
functionality of the control and dimming
features are unique. And all that comes with
maximum flexibility for the user. Therefore,
for Brumberg, Plug & Light is a system with
great future potential.”*

BRUMBERG



Saloon pendant, ceiling and wall light



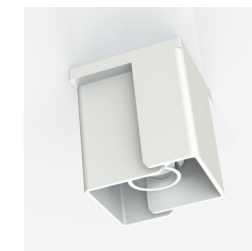
MiniQU wall light, pendant and ceiling



Double wall light, pendant and ceiling



Gramo ceiling, pendant and wall light



WALLED wall light, ceiling and pendant

All lighting series are available in the colours white (RAL 9010), black (RAL 9005) and white aluminium (RAL 9006).

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REIMAGINING LIGHT TOGETHER

The first-ever light socket brings together a range of unique competences: with *Plug & Light*, three medium-sized companies have pooled their outstanding expertise in the field of switches and sockets, luminaires and building technology systems. *Insta* is known for luminaires and light control systems with guaranteed functionality. As the inventor, developer and producer of *Plug & Light*, *Insta* is paving the way towards a new era of lighting design, supported by both *Gira* and *Jung* as *Insta's* parent companies and experienced producers of in-wall installations and switch design, for flicker-free, dimmable light, matched to the interior. *Plug & Light* can be installed into all standard wall boxes commercially available in European countries and is currently available in selected switch designs from both *Gira* and *Jung*.

As the first *Plug & Light* partner, *Brumberg*, the specialist in high-end lighting technology, has developed five matching ranges of luminaires. For almost limitless freedom in application and design, right from the system's launch.

Manufacturers of luminaires and building technology systems can use the open system to develop their own luminaires or light sockets and to co-design the future of interior lighting as a part of the *Plug & Light* network.

PLUGANDLIGHT.DE

DEVELOPED BY

INSTA

FEATURED BY

GIRA & JUNG

MEMBER

BRUMBERG