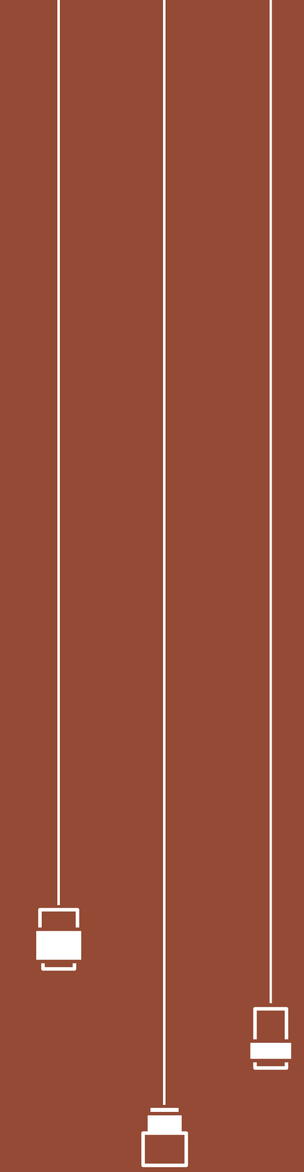
CHORS

Learn more about us



We are

a lighting manufacturer from Wrocław, Poland. But saying that, it is like saying nothing at all. Why? Because light fascinates us. We believe that the lighting affects us and our surroundings. It affects our mood and it is an important element of the interior design. That is why our goal is to create lamps that emit light similar to sunlight and hence provide healthy and comfortable lighting. To that end, we ensure the quality of materials, the precision of the construction, as well as the functionality and the design of the products.

We create

lighting, which maintains high illumination parameters during the entire lifetime. Our lamps are highly durable. And, what is important for us, they are safe for the users and they are as environmentally friendly as possible. We care about the selection of the materials for the production of fixtures at every stage of the project. We use raw materials, paints and components without any hazardous substances, which negatively affect our health and environment.

Our products are available in three basic colors of light: warm white, white and cool. We create them using the technology of color rendering CRI≥95, but primarily we use the Sunlight technology. It is the latest type of LED, which allows to preserve the full spectrum of sunlight. We also apply three basic dimming types: TRIAC, DALI 2 and Push in our projects.

We cooperate

with the best designers, because we value the aesthetics. We saw the potential in such cooperation as one of the first companies. As a result our luminaires are visually attractive and unique. Moreover, we always try to include as many functions as possible in every project of the lamp, e.g. provide the choice regarding the color of the light and the dimming technology, in order to achieve focused or general dynamic light at the same time. Besides that, together with the designers, we constantly seek new solutions and work on the next luminaires, which will emphasise the character of the interior and maintain high quality of the light even better.

We cooperate

Fabian Baumann, Formfjord

The owner and co-founder of the Berlin based design studio Formfjord. Along with his team, he works for a number of globally well-established brands. While attaining success, he is extending his ten years of experience of design.

The author of Tonic, Reel and Telescope series.

Daniel Becker

Daniel Becker Studio is a Berlin based design studio established in 2010. The studio offers design services and innovative conception in the fields of lighting and furniture design as well as exhibition design and consumer products.

The author of Moonlight serie.

BUCK.STUDIO

BUCK.STUDIO is an award-winning Poland based multidisciplinary design studio specializing in F&B, hospitality and retail interior design, branding and brand experience in architectural environments. The studio develops concepts and strategies for public spaces, undertaking mostly hospitality projects.

Paweł Buck. The owner and co-founder. The author of Otel and Maia series.
Dominika Buck. Co-founder. The author of Maia series.

Magdalena Klimas

A graduate of the Department of Design at the Academy of Fine Arts in Wrocław, Tool and Environment Design Workroom. As far as design goes, she is inclined towards minimalism as well as comprehensive and responsible design approach.

The author of Vectris serie.

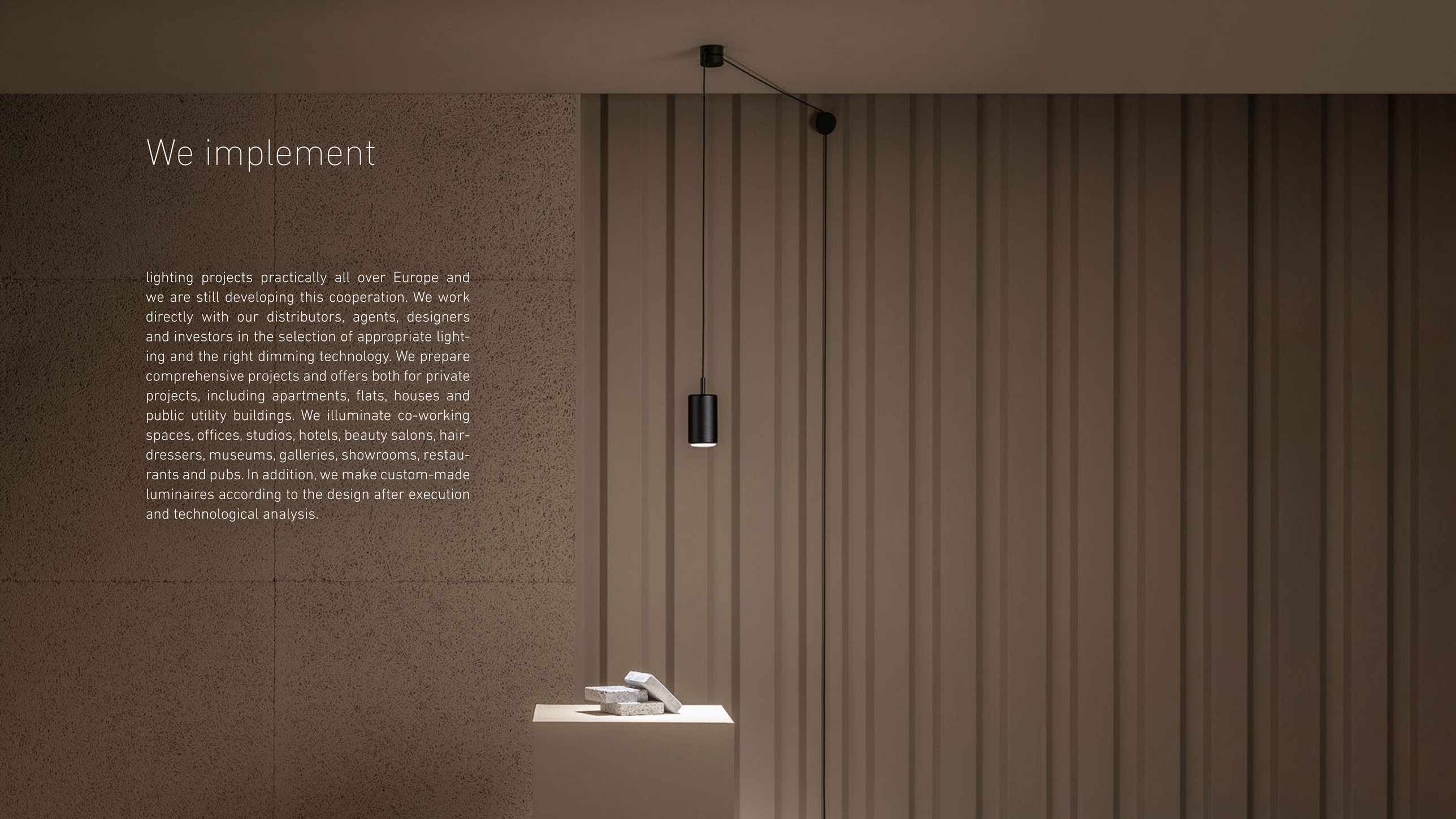
Piotr Kalinowski

CEO and creative director of the MIXD studio in Wrocław, Interior architect, known for designing hospitlity spaces, offices and comercial facilities. He also designs lighting, furniture and interior furnishings.

The author of Ambiente and Firefly (along with Joanna Mazurek, MIXD).

We implement

lighting projects practically all over Europe and we are still developing this cooperation. We work directly with our distributors, agents, designers and investors in the selection of appropriate lighting and the right dimming technology. We prepare comprehensive projects and offers both for private projects, including apartments, flats, houses and public utility buildings. We illuminate co-working spaces, offices, studios, hotels, beauty salons, hairdressers, museums, galleries, showrooms, restaurants and pubs. In addition, we make custom-made luminaires according to the design after execution and technological analysis.



HINT Food & Drinks Restaurant
PURO HOTEL | Wrocław
Design: **BUCK.STUDIO**
Photo: **STROP Studio**

Novotel Wrocław Centrum hotel | Wrocław
Design: **Tremend**
Photo: **STROP Studio**

The Nest | Warsaw
Design: **Beza Projekt**
Photo: **STROP Studio**

Private owner's interior
Design: **Asfeld Studio**
Photo: **STROP Studio**

Private owner's interior

Design: **28 FORM (arch. Patrycja Dąbrowska)**

Photo: **STROP Studio**

Private owner's interior
Design: **PL.architekci**
Photo: **Tom Kurek**

Len i Bawełna Restaurant | Łódź
Supplier and project support company: **Milionova Fabryka Designu**
Photo: **STROP Studio**

Special projects

Campo Modern Grill | Wrocław
Design: BUCK.STUDIO
Photo: PION Studio

Opasły Tom Restaurant | Warsaw
Design: **BUCK.STUDIO**
Photo: **PION Studio**

Forty Restaurant | Warsaw
Design: **Studio Rygalik**
Photo: **STROP Studio**

Light

Our lamps influence the perception of the interiors and the well-being of our users, thanks to an appropriate choice of the color of light and the different forms of focusing. Together with the development of LED technology and the research on its influence on the human body, new solutions become available. We implement them to provide the best user experience.

We all like simple and functional solutions, although to obtain them, you usually need exceptional precision of workmanship and the highest quality materials.

In the case of lamps with integrated LED sources, their durability and long service life are determined by: the life of the light source and the life of the power supply. That is why in CHORS products we use LEDs with an impressive lifetime. It amounts to as much as 50,000 man-hours.

What does it mean? This - assuming that the lamp is lit 8 hours a day - makes it possible to use the product every day for over 15 years. As a standard, we offer a 5-year warranty for each luminaire with an integrated LED source. We are also sure that the elements of the lamp, such as the varnish coating or the shutter, which are sensitive to aging and wear, will still look attractive even after a long time of use.

Color temperature

2700 K
it is a warm color, perceived as yellowish white, which refers to the color of the traditional bulb. Best for living rooms, bedrooms, dining rooms, as well as restaurants and massage rooms. This color calms, relaxes and allows to rest. Warm light tones emphasize the color of natural wood, the hues of yellow, red and green. Keep in mind, that this color temperature makes the whiteness look more like écru.

3000 K
it is warm neutral white. The most universal one, which is suitable for every interior. Especially recommended for illuminating mirrors and work surfaces. This temperature color emphasizes both warm and cool colors, while whiteness remains white.

4000 K
it is often called the daylight color, and it is the least popular one. This color temperature encourages action and helps to concentrate but it causes tiredness over time. Best for monochromatic and formal interiors, short-time work and study places. It emphasizes blue, violet, grey and contrasts because of the cool tones. This temperature color makes the whiteness look more cool.

CRI and Sunlike

A COLOR RENDERING INDEX – CRI (RA)
is an index which measures the ability of a light source to reveal colors of the objects in contrast to a natural light source. The higher the CRI, the better the color rendering ability. It is measured on a scale from 0 (for monochromatic light) to 100 (for white light, continuous spectrum).

SUNLIKE
the LED light used in Sunklike Technology is the closest to the natural light, and therefore has a positive impact on the human body. Furthermore, the Sunlike LEDs emit less blue light than the traditional LEDs and because of that they are safe for the eyes and do not cause any sleeping difficulties. They allow to emphasize color details of illuminated objects and to maintain dynamic light during the dimming, thanks to the natural color rendering (CRI >=97). They may be safely used to illuminate such demanding spaces like museums or art galleries.

New technologies

DIM TO WARM
it allows to imitate the effect of incandescent light when dimmed. The easy transition between warm light tones is possible thanks to the phase dimming technology.

TUNABLE WHITE
it enables the color of the light to change within the same fixture. In the Sunlike version it keeps the colors vivid and natural, has a positive effect on mood and concentration. The transition between the warm and cool color is carried out smoothly using the DALI control system.

Control system technologies

Following the technology development which focuses on rendering the colors in the most faithful way, we do not forget about the difficulties of the work of power supplies, energy efficiency and the parameters important for our health e.g. flickering light parameter. Our fixtures are updated to the latest available solutions

TRIAC
easy system of dimming, which we can apply in standard 3-wire electrical system. We can smoothly adjust the intensity from 100% to 10%, after mounting the dimmer with potentiometer in place of light switch. We should always remember about checking the power range of the dimmer and its compatibility with the power supply used in the fixture. Our power supplies operates in the RC mode and have very low flicker value ≤5%.

DALI 2
digital light management system, which provides many opportunities, but also imposes more requirements. In order to install it, we need 5-wire electrical system, suitable driver and controller or application. In return, we have the possibility to address single fixtures and to dim them within the range of 100% to 1% There is also a possibility to extend the functionality of the system by combining it with different sensors and full building automation. The second version of DALI system facilitates the configuration of complicated systems and it is compatible with power supplies from other companies.

DALI/PUSH
control system of the light intensity with a single switch. The application of this type of solution requires a 4-wire electrical system. The power supply of the fixture is connected directly to the main power supply and awaits control signal from the bell push button. The adjustment of the illumination intensity is in the range from 1% to 100%. The system memorises the last level of illumination intensity and restores it after restarting the fixture.

Light distribution
diffusers, lenses

We look for solutions that do not distort the light, are resistant to sunlight and warming up, do not change their properties even after many years. Our diffusers which are used for general lighting maintain the original appearance and the same quality of lighting for the entire lifetime.

SOFT DIFFUSER
frosted diffuser which absorbs approximately 30% of light. It softens and scatters light evenly. Recommended for basic general illumination in spaces where one doesn't operate in front of a computer.

SOFT-PRISM DIFFUSER
prismatic diffuser with one side matted which absorbs only 10% of light. It has glare value of UGR ≤ 19 %, which provides the highest comfort of work and eliminates computer screen reflections.

PRISM DIFFUSER
prismatic diffuser which absorbs approximately 8% of the light. Thanks to its structure it directs the light at an angle of 60°, which allows to focus all the lighting power for example at work surface. It limits glare. Recommended for offices and studios.

GLASS LENS
high quality lens which softens light and prevents it from distortion, as well as it simultaneously limits the glare effect . Our offer includes fixtures which allow the adjustment of the lighting angle between 15 and 40 degrees or between 15 and 60 degrees. It provides a wide range of possibilities to adjust the beam of light to individual needs. The highest quality glass does not distort the light merely in 8% and preserve its lighting parameters for its lifetime.

CHORS

www.chors.pl