

HÄFELE

LOOK
LIGHT
DESIGN.





LOOK
LIGHT
DESIGN. >



LOOX LIGHT DESIGN

LIGHT SHAPES ROOMS.

Light in furniture is no longer an accessory. Today, light has essential and imperative functional and comfort tasks in furniture.

Contemporary furniture planning incorporates light as a focus right from the beginning in order to achieve the best possible result for customers. That is because even in furniture planning, it must be taken into

account that factors, such as materials, colours, hue, reflectivity, placement, and lighting of objects – as well as the availability of natural light – affect the light effects.

Successful lighting design follows a proven process that is consistently aligned with customer requirements. This design book will give you an overview of the benefits and possibilities of the Loox lighting system in furniture and furnishings.



LIGHT HAS IMPACT. >



LIGHT CHANGES ROOMS.

The interplay of light in the room and light in the furniture has a considerable effect on your well-being. Bright cool light promotes concentration, warm and dimmed light promotes relaxation. Due to LED technology, light in furniture is continuously gaining in importance and affects the entire room in its perception.

Häfele, with its Loox system, offers all the necessary lights for individual lighting design.



LIGHT HAS IMPACT. 



COOKING.

Bright, neutral white light makes for a pleasant illumination of the important work spaces and ensures the proper reflection of the colour of food and products.



LIGHT HAS IMPACT. >



EATING.

The combination of direct, uniform light for a perfect illumination of the dining table, supplemented with indirect, warm effect lights on ceilings and walls creates an atmospheric ambience.

LIGHT HAS IMPACT. ➤



RELAXATION.

The interaction of areas of light and horizons created by light creates a comfortable and cozy atmosphere.

LIGHT HAS IMPACT. >



LIGHT EVOKES EMOTIONS.



LIGHT EVOKES EMOTIONS. ➤



THE FOURTH DIMENSION OF FURNITURE.

Terms like romantic, comfortable, relaxing, cold, or uncomfortable are associated with certain light situations. These perceptions are not rational, but rather emotional.

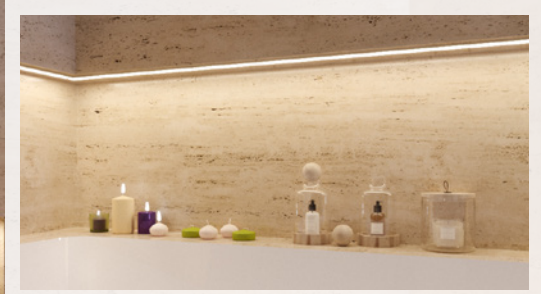
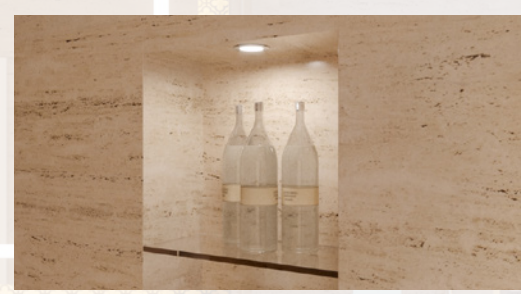
With a smart lighting plan these moods can be achieved in the living environment. The Häfele Loox system can turn a purposefully designed bathroom into a spa. Edge lighting creates an artificial horizon, dimmable spotlights create a candlelight atmosphere. Warm light creates a mood simulating a sunset.

LIGHT EVOKES EMOTIONS. ➤



STAGING WITH LIGHT.

Spotlights make the illuminated objects on shelves and showcases the focus. Grazing light is excellent for emphasising the structures of walls, and surface illumination meets functional requirements.



LIGHT EVOKES EMOTIONS. >



**HIGHLIGHTING
WITH LIGHT.**

Uniform, bright light accentuates the functional areas, complementing the general room light. An intelligent combination of basic lighting and effect light can change the overall effect of the room and thus positively influence the mood.

LIGHT EVOKES EMOTIONS. 



SETTING ACCENTS WITH LIGHT.

The Loox lighting system offers many possibilities to set accents in a room. With the appropriate light composition corners, edges and surfaces can be dramatized. Sculptures, fabrics, textures, and plants are enhanced with deliberately placed accent light.

Spot lighting in a niche highlights decorative objects and breaks up large homogeneous wall surfaces. An LED strip light in an offset ceiling creates an artificial horizon, simulates daylight in enclosed spaces, and mitigates the harsh effect of the corners of the room.



LIGHT EVOKES EMOTIONS. >



LIGHT IS EVERYWHERE.◉



LIGHT IS EVERYWHERE. >



TEXTBOOK EXAMPLE EAT-IN KITCHEN.

Each function requires different lighting scenarios. A prime example are eat-in kitchens, where people work, cook, communicate, or eat. An extensive lighting system, such as Loox by Häfele, is needed here especially because the most different lighting requirements meet in an eat-in kitchen.

Creating ambience through contour lighting of the worktop or in the plinth. Light in the cabinet is particularly needed in storage spaces where there is little room light. For all work surfaces, bright, even lighting ensures safety and pleasant work.

LIGHT IS EVERYWHERE. ➤



LIGHT ABOVE THE WALL UNIT.

Lighting above the wall unit ensures a pleasant ambience and perfectly complements the room light.

LIGHT IS EVERYWHERE. ➤



LIGHT IN CABINETS.

Illumination that allows you to see every inch in a wall unit cabinet or tall cabinet.

The main purpose of the room light on the ceiling is to serve as a basic light, which, by its nature, creates shadow zones behind the furniture front. Flat light or directional spotlights in cabinets illuminate the entire interior making organising, searching, and finding much easier.



LIGHT IS EVERYWHERE. >



LIGHT BEHIND GLASS.

When cabinets with glass doors are lit from the inside, well-placed light transforms dishes into decorative objects. Light behind glass shelves lends wall unit fronts transparency and lightness.



LIGHT IS EVERYWHERE. >



LIGHT ON WORK SURFACES.

Glare-free light, falling directly onto the worktop without shadows, is perfect for illuminating work surfaces. This will uniformly illuminate the work surface. Preferably with neutral, white light. For comfortable work and improved safety.



LIGHT IS EVERYWHERE. >



LIGHT IN DRAWERS.

Light integrated in drawers improves the view and offers more comfort, even with darkened room light. The light will automatically switch on and off when the drawers are opened and closed.



LIGHT IS EVERYWHERE. >



LIGHT IN THE PLINTH.

Plinth lighting can elegantly provide orientation in darkened rooms or emphasise the floor area with bright accents of the room when the room light is on.



LIGHT IS EVERYWHERE. >



LIGHT & INTENSITY.◉



LIGHT & INTENSITY. >



DAYLIGHT. FUNCTIONAL LIGHT. DECORATIVE LIGHT.

In the 1950s, Richard Kelly, a pioneer of lighting design, already differentiated between light to see – ambient luminescence, focal glow – the illumination of an object or area, and play of brilliants – in which the light itself is the object to observe.

The intensity can also be controlled by the type of illumination. Direct light directly affects the room, area, or surface. In contrast, indirect illumination uses reflection surfaces from which the light then radiates into the room or an area.

The Häfele Loox system offers suitable lighting solutions for a wide range of requirements.

LIGHT & INTENSITY.



FUNCTIONAL LIGHT.

For example, the lighting need in a home office can differ and depends on the location of the desk as well as the influx of daylight.

The decisive factor, however, is the activity performed. When work is done on computer or tablet a glare-free light source is required. Since the screen is the work surface, a back-light can be sufficient, reducing the contrast between the bright screen and the dark environment.

However, drawing or writing require a well lit work surface.

LIGHT & INTENSITY. >



DECORATIVE LIGHT.

To create an atmospheric ambience, the room light can also be used as indirect lighting in the furniture.

Decorative light provides less illumination and serves to create an appealing ambience. In order to achieve attractive mood light, the light source can be concealed invisibly in the furniture or visibly integrated into the design of the furniture. It is important that decorative light beams do not create brightly lit surfaces or produce sharp edges. RGB LED lights allows creating coloured lighting effects in the room.



LIGHT & INTENSITY



DAYLIGHT.

When it comes to lighting a room, it is the combination and arrangement of multiple light sources that matters. If natural light (daylight) is available, artificial light can be a perfect addition. Depending on the purpose for the lighting plan of a room and specific areas, functional lighting is used. To create a specific ambiance decorative lighting is used.

LIGHT & INTENSITY.



LIGHT & COLOUR.



LIGHT & COLOUR. ➤

DESIGNING WITH LIGHT COLOURS.

Light consists of electromagnetic waves that are visible to the human eye. Light only becomes visible when reflected on objects. White light is composed of red, green, and blue colour components.

The colour of the light, also referred to as colour temperature, controls our state of well-being. Light with a high blue component has an invigorating effect on the body. Just like the cool fresh light of an early morning. By comparison, strong red and yellow-coloured light has a relaxing effect and evokes a state of rest. Just like the warm glow in the late afternoon or a candle.

For lighting planning, the Häfele Loox system offers warm white and cool white light in different light intensities. Modern multi-white lights offer the possibility to switch continuously between warm white and cool white light. RGB lights provide intense light colours for individually adjustable decorative effects.

LIGHT & COLOUR.



LIGHT MAKES COLOUR VISIBLE.

How faithfully the colour of objects is reproduced depends on two factors.

The colour rendering index and the light colour.

The colour rendering index (CRI) is a measure of a light source's ability to render object colours realistically or naturally. The ideal reference light is daylight as this is the light source that represents colours in their most natural and accurate form. Lights with a CRI of 90 or more offer customers the opportunity to see the items as close as possible to their "real" colours.

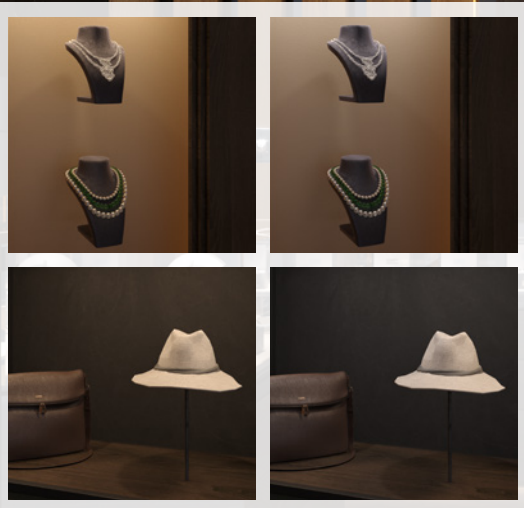
The higher the quality of the LEDs, the more natural the colour rendering.

LIGHT & COLOUR.

WARM LIGHT. COOL LIGHT.

In shopfitting, for example, there are many factors to consider. The concept must work with daylight as well as with artificial light. From the mixed light in the shop window to the far corner. The challenge to the lighting concept is to make the shop appear as a unit.

The choice of light colour depends on the objects presented in the light. For warm objects with a red hue, a warm white light source is better suited, and for items with a blue hue, a cool white light source is preferred. As a compromise, a neutral light source can be used.



LIGHT & COLOUR. ➤



LIGHT WITH EFFECT.◉



LIGHT WITH EFFECT. >



THE PLAY OF LIGHT AND SHADOW.

Using LED lights from the Häfele Loox system, you can realise countless variations of lighting effects that were previously unthinkable without LED technology: spot or area illumination, vertical or horizontal lighting, upward or downward lights. Each room lives through suitably chosen varieties of light and shadow.

Linear illumination can be used to create horizons. With direct light objects can be partially emphasized. Grazing light allows material surfaces, such as stone, wood, or wallpaper, to be made visible or emphasised.

A flat light, placed above a curtain, creates a glare-free effect, full of atmosphere, and emphasises the drapery. Combined grazing lights partially emphasise the materiality and colours of the fabric.

Linear plinth lighting makes the bed float.

LIGHT WITH EFFECT.

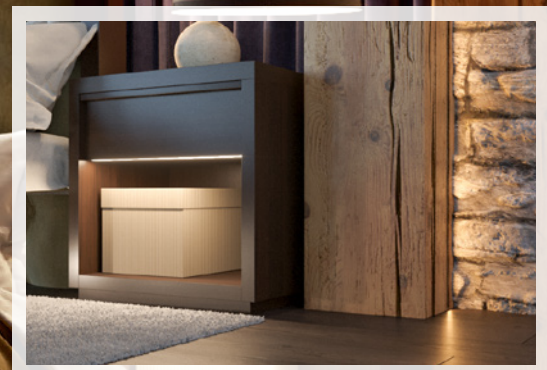


LINEAR LIGHT.

Linear illumination is created with LED strip lights.

Inside cabinets and shelves, on work surfaces or enclosures of furniture, Loox LED strip lights provide uniform light with a broad area of illumination.

Linear light allows creating both direct and indirect light scenarios. The flexibility of LED strip lights lets you realise countless creative ideas.



LIGHT WITH EFFECT. >

DIRECTIONAL LIGHT.

Narrow beam Loox spotlights can create directional lighting effects to highlight specific objects.

With surface mounted or built-in spotlights in a row it is possible to achieve flat surface illumination of specific areas. A special effect is created by overlapping light cones, staging the illuminated area with ambiance.

Spotlights are most often used to accentuate surfaces or objects or to divide areas in space into zones. Directional light can be used both directly and indirectly. The Loox system offers a wide variety of possible applications.



LIGHT WITH EFFECT. >



LIGHT & SURFACES.



LIGHT & SURFACES. >

SURFACES WITH IMPACT IN LIGHT.

Depending on the material and structure a surface reacts differently to light. Light is partially absorbed, a part is reflected and depending on the surface it is scattered. With semipermeable or transmissive materials, the light can also shine through the body.

The possible lighting solutions must be designed such that the impact of materials and surfaces can be emphasised in a wide variety of light scenarios, such as room light, relaxing light, and work light. A dark room, for example, looks exclusive, but needs more base light so as not to look dim.

LIGHT & SURFACES. >



COLOURED SURFACES.

The wavelengths reflected by a surface determine the colours that humans perceive. For example, a green plant only reflects the green wavelengths and absorbs all the others. Thus, the plant appears green.

When coloured light falls on a white surface, it completely reflects the incident light and takes on the colour of the light. That is why a white wall appears reddish when illuminated red. Illuminating a coloured surface with coloured light creates mixed colours.

When furniture fronts or a wooden floor are illuminated, they reflect shades of brown that bathe all neutral surfaces, such as a white ceiling or wall, in a warm tone.



LIGHT & SURFACES. >



DARK SURFACES.

Dark materials absorb light, so it is necessary to use stronger light. However, too much light destroys the ambiance and comfort.

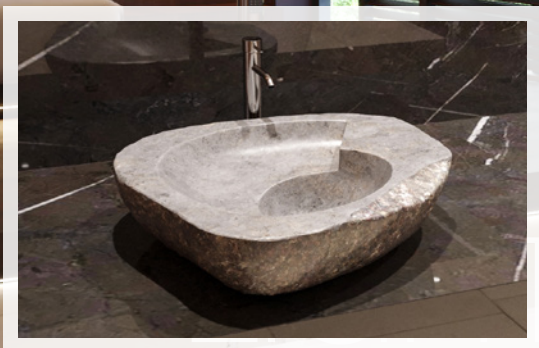
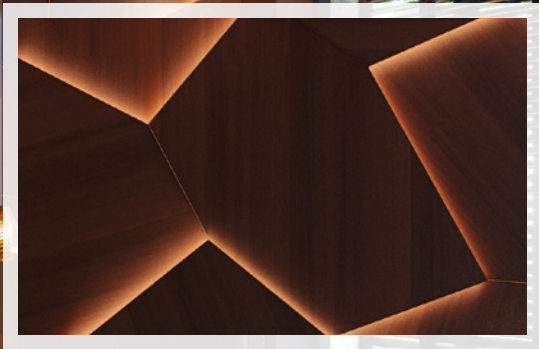
LIGHT & SURFACES. ➤



BRIGHT SURFACES.

Bright materials reflect the light much better than dark materials. A brightly designed space therefore requires less overall light. Extra effect lighting adds freshness and a feeling of spaciousness to the room.

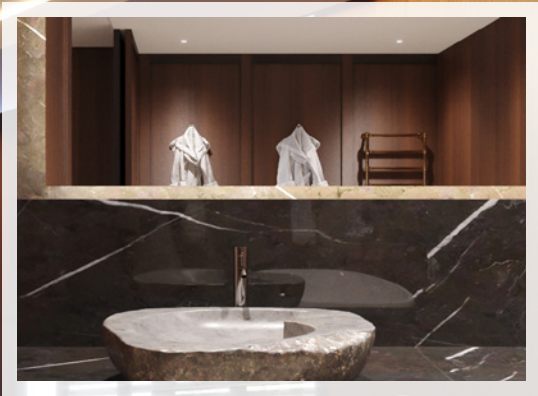
LIGHT & SURFACES.



WOOD & STONE SURFACES.

Wood and stone surfaces are materials that are very suited for being staged with a good lighting concept. Wood surfaces have the best impact with direct lighting. Stone surfaces can be staged with spotlights. Grazing lights accentuate the structures of natural surfaces and give the material an appearance of depth.

W & SURFACES >



REFLECTIVE OR SHINY SURFACES.

High-gloss surfaces act like a mirror. Depending on the viewing angle, the light sources become visible on the surface. This unsightly effect can be minimised by suitable placement of the lights.

The mirror law must be observed: The angle of incidence corresponds to the angle of reflection. The more parallel the illumination angle to the surface, the less the mirror effect.



LIGHT & SURFACES.





LIGHT & CONTROL.



LIGHT & CONTROL. >



LET THERE BE LIGHT.

The trend towards a Smart Home also includes the smart control of different lighting scenarios inside the building.

The Häfele Loox system offers several solutions for controlling lights; from the direct control via simple switching points to the remote control of more complex lighting scenarios.

In addition to the lighting, digital solutions can also be used to centrally operate and control furniture solutions such as sliding doors, TV lift systems, furniture locks, sound systems and more.

LIGHT & CONTROL.



CONTROL LIGHT CENTRALLY & MORE.

The Smart Home is a trend that offers increased comfort. The idea of networking and centrally controlling your whole house or apartment is fascinating. Häfele has taken the step into the digital future and offers solutions for the intelligent control of light – and more.

An app connects and centrally controls all installed light components and allows the design of light effects individually with a smartphone or tablet. In this way multiple scenarios can be saved and programmed, or simply retrieved with just by finger tip.

- Switching lights on/off and dimming them, even multi-white lights and RGB LED strip lights.
- Setting up individual light scenarios for different occasions.
- Controlling electrical furniture components (for example, TV lift, electric sliding doors).

LIGHT & CONTROL



REMOTE CONTROL OF LIGHT.

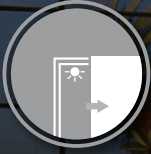
Especially important is the control of light scenarios in multi-functional rooms. Switch lights on and off conveniently with remote controls from anywhere in the room and create the desired light situations.

Depending on the application remote controls can be used for easy control of several light sources, from multi-white lights to coloured RGB lights.



LIGHT & CONTROL





SWITCH LIGHT DIRECTLY.

The Loox system offers a wide range of switches for a wide range of tasks. Depending on your comfort demands or intended use.

- Push switch
- Rocker switch
- Foot switch
- Sensor switch
- Motion detector
- Dimmer
- Proximity switch
- Capacitive switch/dimmer
- Door contact switch
- Door sensor switch



LIGHT & CONTROL >



LIGHT IS EASY.®



LIGHT IS EASY. ▶



EASY. UNIQUE. LOOX.

Light projects can be realised quickly and easily with the Häfele Loox system. The unique Plug & Play system ensures easy installation. Loox lights meet high requirements in terms of quality, simplicity, and flexibility.

In addition, Loox offers global availability of a single system that is identical in design for all countries, highly flexible in application, and ensures identical quality and light colour for reorders. This makes Loox extremely attractive especially not only for international objects and projects (for example for hotel or restaurant chains), but also for industrial installers with international sales.

LIGHT IS EASY. ➤



WHERE THERE IS LIGHT.◉



WHERE THERE IS LIGHT. ➤

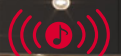


LOOX EXPANDS THE POSSIBILITIES.

Where there is light, there is electricity. It therefore makes sense to create useful extensions for light in furniture. The need to charge smartphones or tablets at various locations in the home is met by wireless charging stations or via USB ports.

Another feature of the Häfele Loox system is sound in furniture or in mirrors without visible speakers. You can listen to music from your smartphone in your bathroom, kitchen, living room, or home office via Bluetooth.

WHERE THERE IS LIGHT. ➤



SOUND WITH A SYSTEM.

Turn your furniture into a jukebox. The Häfele sound system makes it possible. Concealed sound transducers convert audio signals and deliver them through the furniture fronts and into the room. The music is transmitted from a smartphone or tablet to the sound system via Bluetooth. The sound experience is more than convincing. An effective added value to the Loox system.



THERE IS LIGHT. >



FREEDOM WITH A SYSTEM.

The Häfele Loox system offers more flexibility in planning and implementing customised lighting solutions. Combine different Loox lights to be operated with a single switching function. Special converters allow you to combine lights from the entire Loox range into a single light installation.



WHERE THERE IS LIGHT. >



EXTENSION WITH A SYSTEM.

In the Loox system, you will find simple concepts that will help you installing your light. For example, a simple solution to conveniently connect several lights in series to a single power source.



WHERE THERE IS LIGHT.

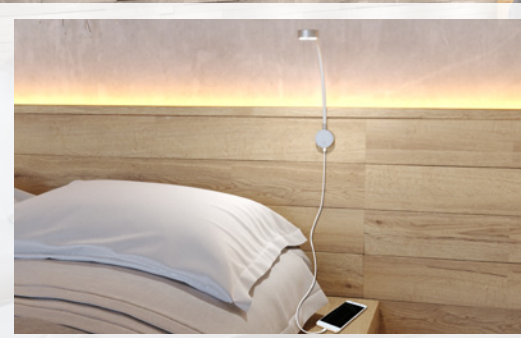


DISTRIBUTION WITH A SYSTEM.

Loox offers you many options for combining light in furniture. With easy-to-use distributor components, for example, you can control multiple light sources with a single driver.



WHERE THERE IS LIGHT.



CHARGING WITH A SYSTEM.

Make use of the power of the light applications in furniture for other useful tasks as well. For example, the Häfele Loox system offers wireless charging stations and USB ports, which can be elegantly integrated into your furniture design as well. Mobile and tablet charging points add value to any piece of furniture because they offer additional convenience.

WHERE THERE IS LIGHT. >



BAG SHOP

LIGHT & QUALITY.◦



BAG SHOP

LIGHT & QUALITY >



LIGHTING (SYSTEM) WITH WORLDWIDE CERTIFICATION.

Anyone wanting quality when it comes to light needs to consider Häfele. All Loox components are certified for worldwide use. Consistent quality is guaranteed for your lighting solution. All lights have a high colour rendering index for optimum colour rendering. Lights in the Häfele Loox system also ensure consistent illumination intensity and light colour. That means that no variations will be visible later when replacing or supplementing identical bulbs. Regardless of whether you are ordering from Europe, the Americas, or Asia. That's what makes Loox unique.

These criteria are crucial for attractive and sustainable lighting solutions in shops, hotels, and in modern residential properties.

LIGHT & QUALITY. ➤

