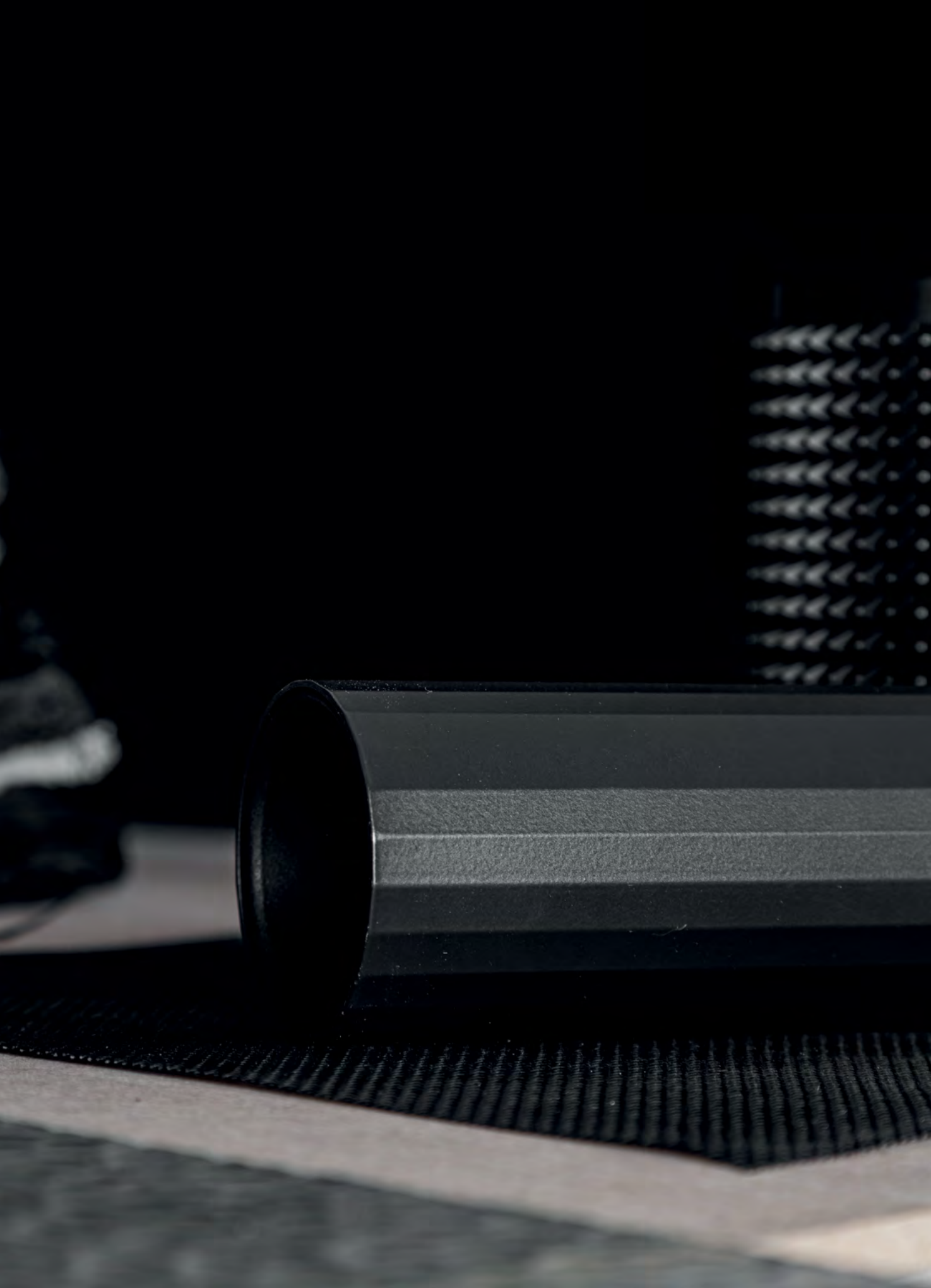


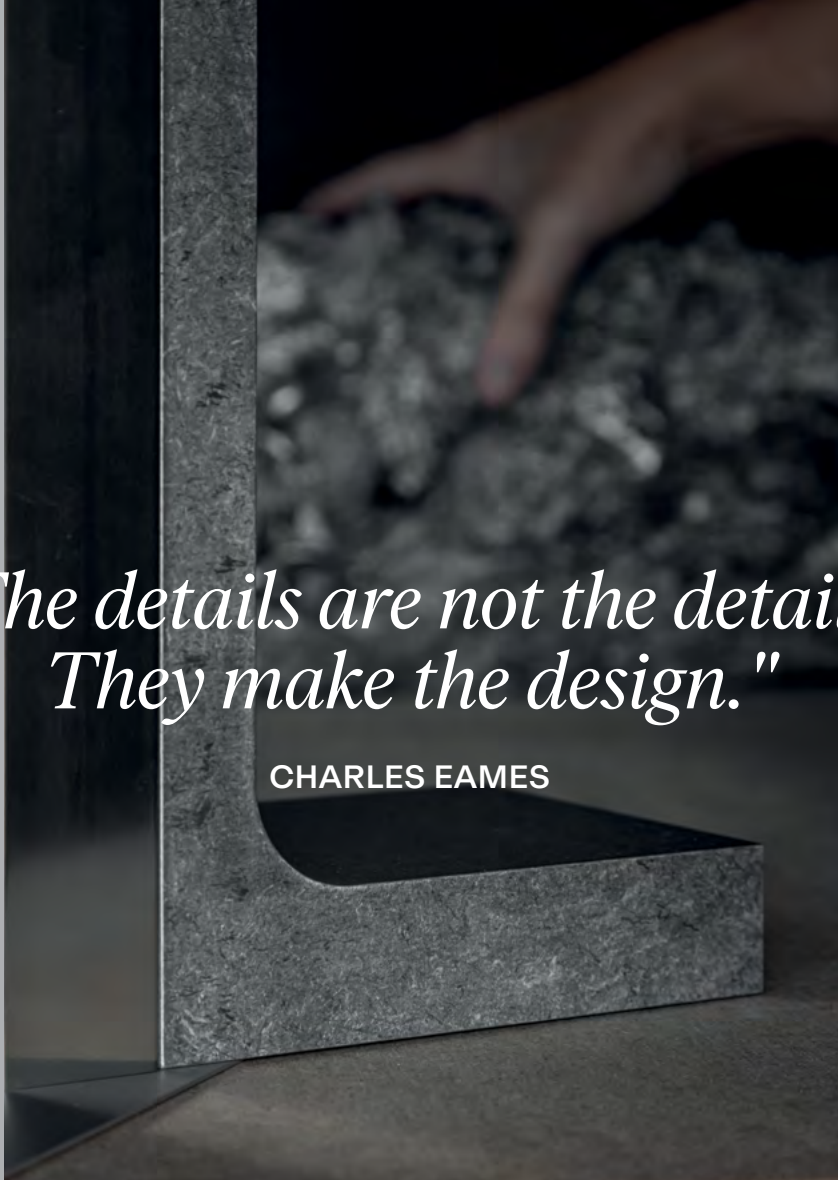
Thesaurus.

RESIDENTIAL LIGHTING

A guide to comfort.

DELTALIGHT



A black and white photograph showing a hand reaching into a box filled with crumpled paper. To the left of the box is a modern, dark-colored chair leg with a curved, L-shaped base. The scene is set against a dark background, emphasizing the textures of the paper and the chair.

*"The details are not the details.
They make the design."*

CHARLES EAMES

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GLOSSARY

Intro.

LIGHT, LIFE AND HOME

This publication is built on a simple idea:

LIGHT IS WHAT MAKES A HOUSE A HOME.

Light doesn't just reveal the world around us; it shapes the way we experience it. Thesaurus Residential is more than a lighting applications brochure. It sets out our philosophy on lighting, combining a technical, human-centred approach with inspiring perspectives on everyday life.

The name Thesaurus is derived from the Greek word for "treasure". That is exactly how we see light: it is something precious in every home. Whether it is natural light streaming through a window or the gentle glow from a carefully positioned light source in the evening, we believe the primary role of light is to create comfort. That is why our product designs combine form and function, with the focus on people and the way we live, feel, and experience our day.

The opening chapters of this publication are dedicated to the basic principles that we see as the foundations of a well-lit space. From there we explore the home: from interior spaces to outdoor areas, looking at how to adapt the light to the function and feel of each space. Light has a different role in each setting, gently attuned to the pace and pattern of daily life.

Building on this foundation, we then take a closer look at a few distinctive homes.

A Belgian house situated on the edge of a forest, opening into the landscape to create a seamless connection between indoors and outdoors. A Croatian family home atop a Roman quarry from the first century BC. A Mexican residence centered around a single master suite and a Mediterranean-inspired villa in the UAE that uses flowing partitions and a central courtyard to balance privacy with communal living.

Each project offers its own perspectives on how thoughtful lighting can enhance architecture, atmosphere, and the experience of home.

At the end of this book, you will find a carefully selected overview of our residential products, along with some simple, thoughtful guidance to help you make choices to match your needs and the atmosphere you want to create. Thesaurus Residential is our way of sharing what we love most: our passion for light, and the belief that the perfect light really can make a difference.

The Deltalight Team.



*Good lighting does more than illuminate.
It creates a feeling of belonging, turning
rooms into places we can call home.*

Context.

INSIGHTS REPORT

LIVING TOMORROW

A new perspective on residential design.

Download our Insight Report and discover how light shapes the future of living.

With Thesaurus Residential, we present a digital Insight Report that brings together the voices of leading architects, designers and other creatives. Each one offers their own perspective on how light shapes the way we live. From warmth and intimacy to sustainability and future-ready design, the report reveals how light acts as a silent partner in creating homes with a more powerful resonance.

'We try to introduce darkness. The calmness of the dark becomes a parameter in lighting design.'

CLAUDIA KAPPL - JOY
Lighting & Interior Designer - Lecturer
CLL - Concept Lighting Lab
United States



SCOTT PASK
Scenic Designer |
Scott Pask Studio |
United States



'The warmth and cool of a space can be altered dramatically by light. It's the instrument through which all is seen.'



ROXANNE KAYE
Architect & Designer
Saota Architecture and Design
South Africa

'We design spaces to evolve with the people who inhabit them. Flexibility is not an afterthought, it's built in.'



BRUNO ERPICUM
Architect
Studio Erpicum
Belgium

'Light is essential, but shadow is what qualifies it.'

*'Nature is the
ultimate luxury,
and I strive to bring
it into people's lives
in every project.'*



RICK JOY
Architect
Studio Rick Joy
United States

*'Light affects
more than sight.
It shapes our
sleep, moods, and
energy. In future
homes, lighting
will be wellness
architecture.'*



PETER SMITH
Prof. Dr. Emeritus
of Planetary Sciences
United States



ERIETA ATTALI
Architecture and
Landscape Photographer
Studio Erieta Attali
United States

*As interior lighting
blends seamlessly
with natural
light, architecture
transcends structure
and becomes an
experience.'*



*Ready to find out
how light reshapes
the way we live?*

DOWNLOAD NOW

Deltalight for future generations.

THE POWER OF NATURAL LIGHT

Natural light is one of the most essential elements in architecture.

Its impact goes far beyond its ability to illuminate a space. Natural light plays a profound role in shaping the emotional and psychological experience of an environment. It has the unique ability to lift our mood, improve mental clarity, and promote a general sense of well-being.

From an aesthetic perspective, natural light adds a richness and complexity to interiors. It reveals the true colors and textures of materials, enhances architectural features, and creates a sense of openness and fluidity. Sunlight changes throughout the day in its angle, intensity, and tone, casting moving shadows and changing the character of a room from hour to hour. This subtle evolution brings a sense of life and movement to interior spaces, making them feel more organic, engaging, and in tune with the world outside.

Beyond its sensory and emotional benefits, natural light is also a powerful tool for achieving greater **energy efficiency and environmental sustainability**. When used effectively, daylight reduces our reliance on artificial lighting during daytime hours, which can lead to substantial reductions in electricity consumption and long-term energy costs. This is particularly important in an age where **environmental responsibility is no longer optional: it is essential**.

At Deltalight, we believe that the best lighting design is one that respects and enhances the presence of natural light. Our approach begins with a deep understanding of how daylight interacts with architecture, materials, and human behavior throughout the day. We build on this understanding to develop lighting solutions that are not only functional and beautiful, but also responsive and efficient.

Our lighting is engineered to complement natural light, not overpower it. Dimmable fittings, tunable white temperatures and sensors that adapt to ambient conditions are all ways of ensuring that our lighting works in harmony with the environment.

Thoughtfully integrating artificial lighting with natural light means that we don't just illuminate a space: we design experiences that evolve over time, support human health, and contribute to a more sustainable future.

The best light is the one you don't need to turn on.
Everything starts with natural light.



Deltalight for future generations.

Sustainability is not just a fad.
It's the spirit of the age.

How sustainable lighting adds value to tomorrow's architecture.

When we talk about light, we don't just mean what you see, we mean the contribution it makes. Every product that is brought into a project tells a story about the people who made it, the values behind it, and the future it is part of.

The role of lighting is changing. It is no longer just about aesthetics or functionality. Lighting choices are now part of a broader conversation about climate goals, carbon accountability and the growing expectation of transparency and traceability.

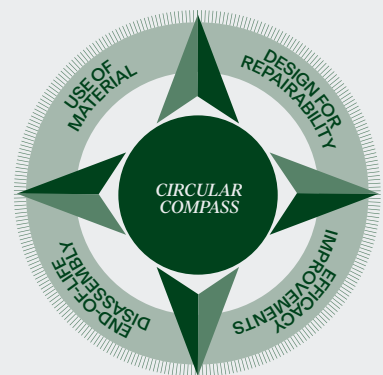
At Deltalight, we see this as an opportunity. As a family-owned company, long-term thinking has always been second nature to us. This mindset guides our actions today, while we continue to improve and adapt for tomorrow.

Design that lasts

Sustainable lighting starts with thoughtful design. We've introduced the Circular Compass, a tool that we use internally to guide our decisions from the earliest concept stages. It helps us to evaluate each new product on the basis of its long-term performance: the durability of its materials, how easily it can be repaired and what happens when it reaches the end of its life.

Think of it as an internal scorecard that we use to constantly challenge ourselves to create luminaire that are built to endure, not to be replaced.

We aim to provide solutions that will continue to support your projects long after installation, without compromising aesthetics or functionality.

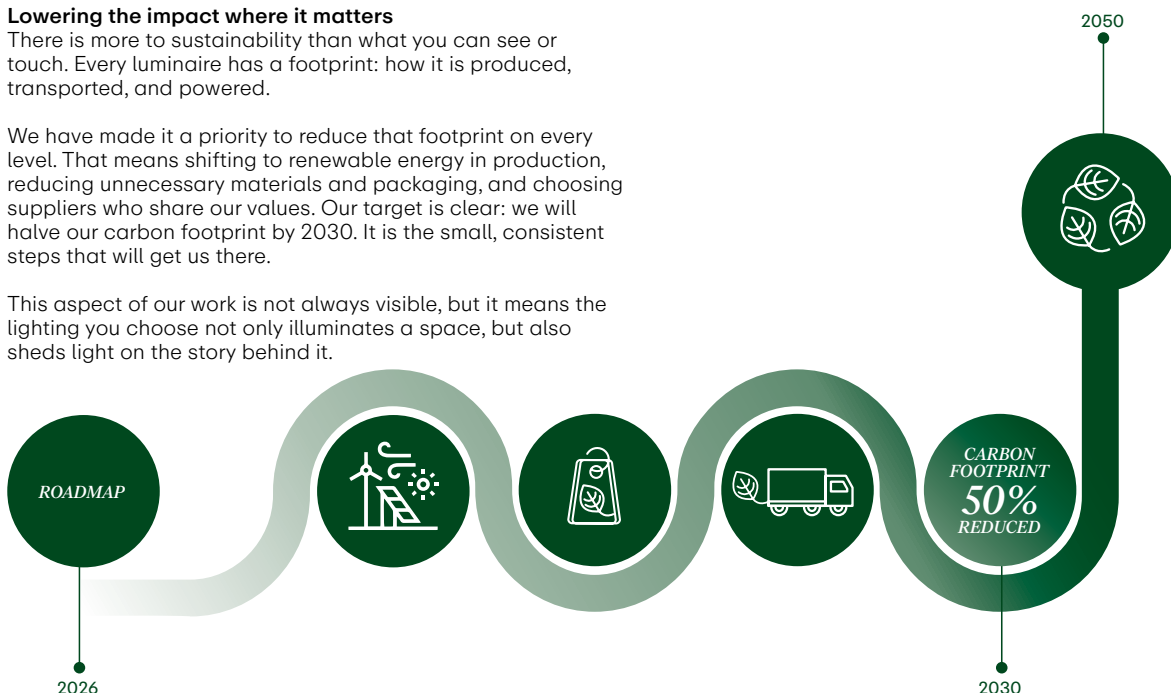


Lowering the impact where it matters

There is more to sustainability than what you can see or touch. Every luminaire has a footprint: how it is produced, transported, and powered.

We have made it a priority to reduce that footprint on every level. That means shifting to renewable energy in production, reducing unnecessary materials and packaging, and choosing suppliers who share our values. Our target is clear: we will halve our carbon footprint by 2030. It is the small, consistent steps that will get us there.

This aspect of our work is not always visible, but it means the lighting you choose not only illuminates a space, but also sheds light on the story behind it.



People come first, always.

We believe that sustainability also means acting with integrity in the way we treat people and build partnerships. Currently, more than 80% of our purchasing volume meets our standards for ethical sourcing, fair working conditions, and environmental care. We are also committed to increasing that figure. We maintain accountability through certifications such as ISO 14001, and through third-party assessments such as EcoVadis. These help us to learn and improve from year to year.

At Deltalight, we believe that light should uplift as well as illuminate. That is why we support Light For The World, an NGO that restores eyesight to people in sub-Saharan communities, bringing light back into their lives.

We are excited about the future, about technical developments and all the possibilities they will offer, not only for the people of today, but for the generations of tomorrow.



ETHICAL SOURCING



THIRD-PARTY VERIFIED



SOCIAL IMPACT



BUILT WITH PURPOSE

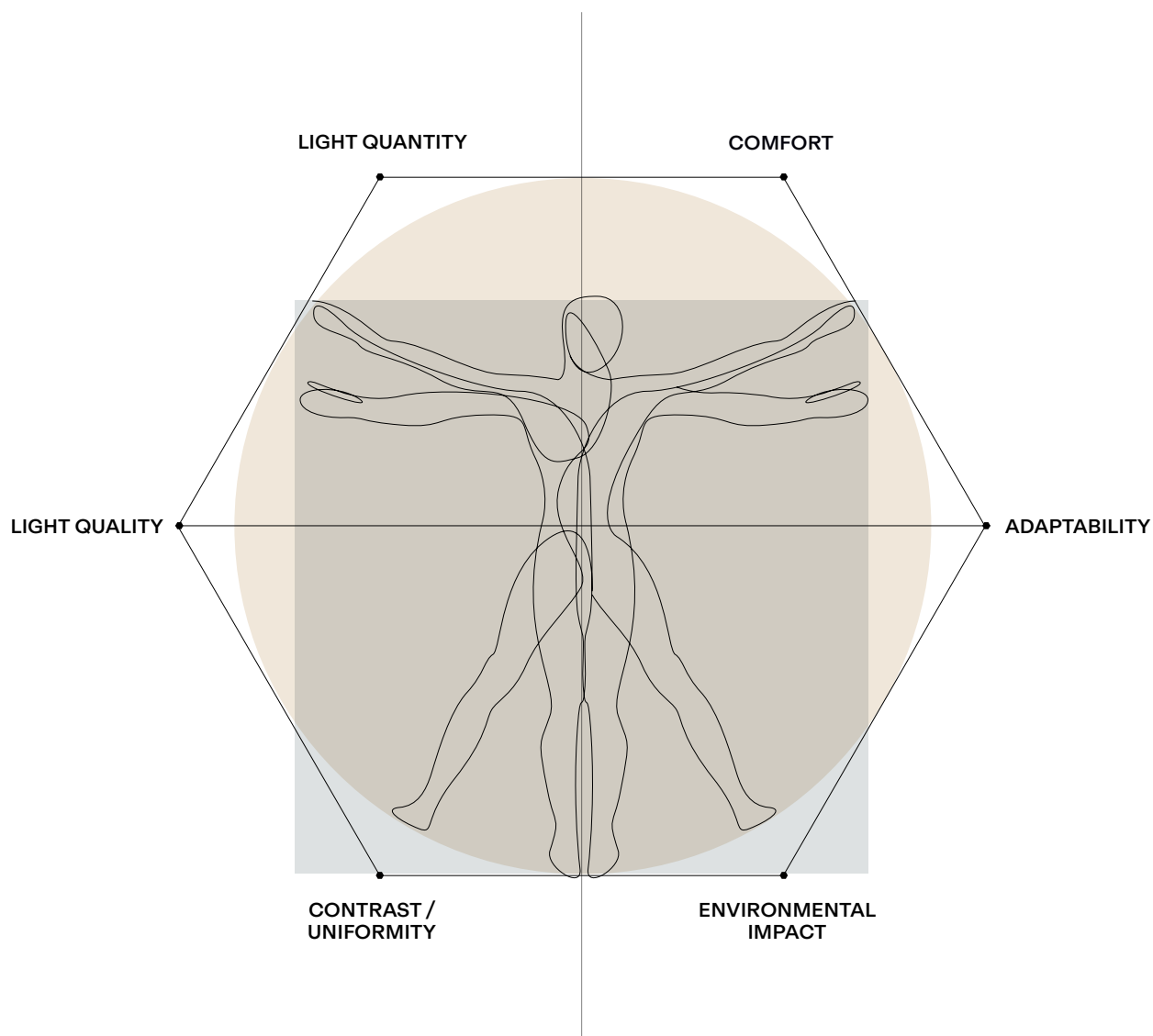


DISCOVER OUR
SUSTAINABILITY
APPROACH
HERE

[↑ RETURN TO INDEX](#)

LIGHTING
BASICS.

Lighting Basics.



There is no standard recipe
for the proper illumination of a space.
*The correct lighting for your project
will be a balance between several aspects.*

LIGHT QUANTITY

Light quantity refers to **the amount of light needed to properly illuminate a space**, in line with international standards for that specific environment.

This is measured by illuminance, which measures the amount of light that falls on a surface. Illuminance is typically measured in lux (lumens per square meter) or footcandles (lumens per square foot).

LIGHT QUALITY

Light quality refers to **the characteristics of light that influence how people perceive and interact with their surroundings**. It is determined by factors such

as color temperature, color rendering index (CRI), and spectral distribution.

Light quality plays a crucial role in shaping the aesthetics, functionality, and comfort of a space to create a lighting environment that meets the specific needs and preferences of users while fostering well-being and productivity.

CONTRAST / UNIFORMITY

Uniformity and contrast are key elements that **affect the way we visually experience a space**.

A balance between the two is essential to create a space that not only works but is visually engaging and comfortable as well.

COMFORT

Comfort is the subjective **feeling of well-being, ease, and satisfaction** that individuals experience in a given environment.

Factors such as Glare Reduction and Noise Reduction play significant roles in enhancing comfort, helping to create spaces that promote relaxation and enjoyment.

ADAPTABILITY

Adaptability in lighting refers to the **capacity of a lighting system to adjust and respond to changing needs, preferences, and environmental conditions**.

In modern spaces, lighting systems must be able to evolve and meet the diverse requirements of different activities and users. Adaptability is a key feature of lighting, encompassing flexibility, personalization, and scalability to ensure that the lighting can be easily adjusted for a wide range of situations.

ENVIRONMENTAL IMPACT

Environmental impact refers to **efforts to minimize energy consumption** across heating, cooling, lighting, appliances, and other building systems, while maintaining comfort and functionality.

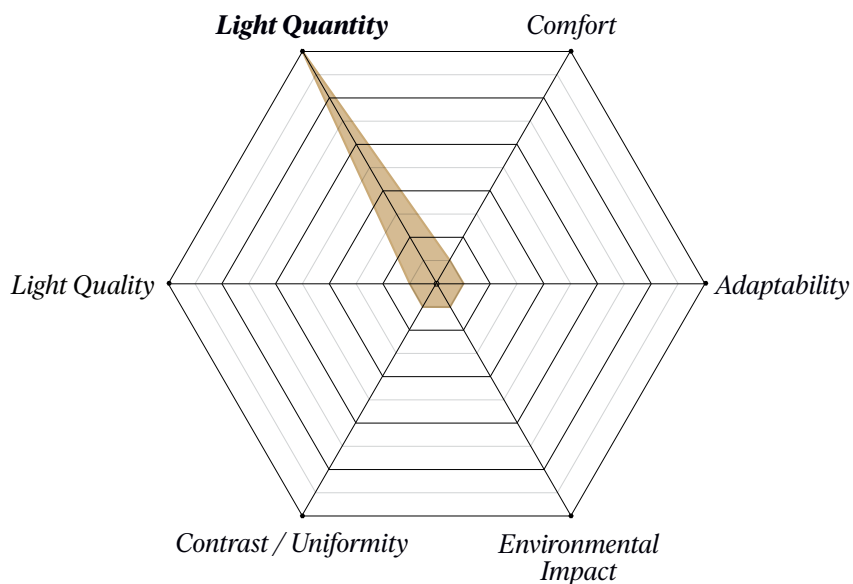
Strategies to achieve this include selecting efficient luminaires, using lighting controls, and ensuring compliance with local energy codes and standards.

Applying these energy-efficient lighting design principles allows us to create well-lit, visually appealing spaces while significantly reducing both energy consumption and operating costs.

Lighting Basics.

LIGHT QUANTITY

☉ ILLUMINANCE



Light Quantity in a residential environment plays a significant role in ensuring **visual comfort**, providing adequate lighting for various **tasks**, and creating a **pleasant atmosphere**.

Photometric units are crucial in lighting design, engineering and related fields. They are used to quantify different aspects of light and the ways in which it interacts with surfaces.

Φ = LUMINOUS FLUX

Lumen (lm)
Total amount of light emitted by a light source or luminaire.

I = LUMINOUS INTENSITY

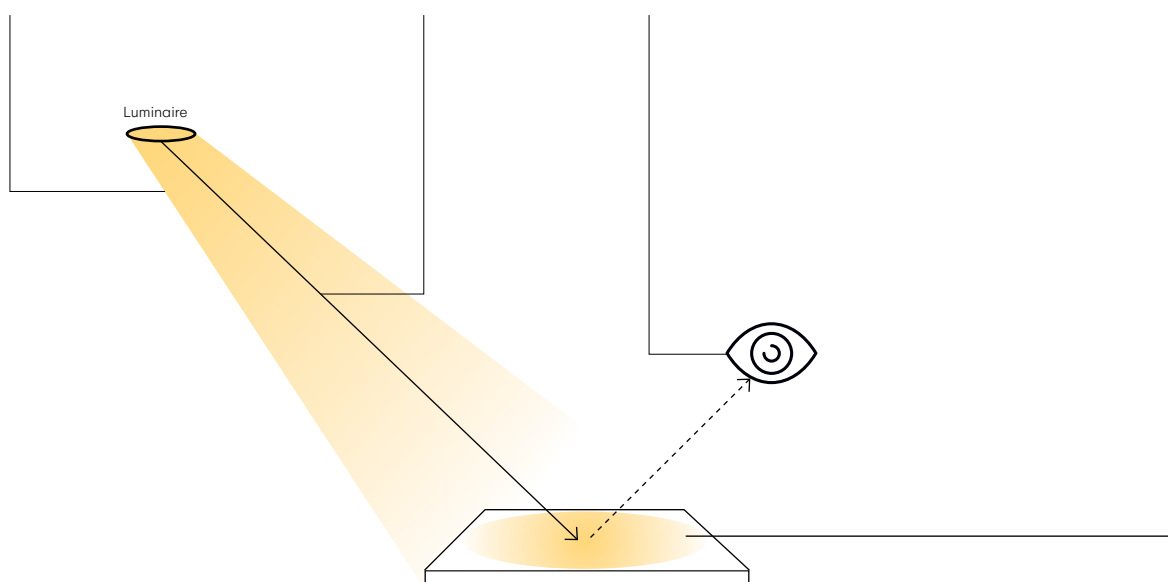
Candela (cd)
Amount of luminous flux radiating in each direction.

L = LUMINANCE

Candela/ft² (cd/ft²)
Brightness of an illuminated or luminous surface.

E = ILLUMINANCE

Lux (lx) | Footcandle (fc)
Total luminous flux incident on a surface.



VISIBILITY

Higher illuminance levels generally result in improved visibility of objects and details within a given space. Adequate lighting makes it easier to distinguish fine details and perform tasks requiring precision, such as reading small text or working with kitchen tools.



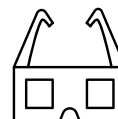
ACCURACY AND EFFICIENCY

Higher illuminance levels enhance both accuracy and efficiency when performing tasks that require attention to detail. Whether you are reading, drawing, or handling delicate objects, adequate lighting supports precise actions and improves overall performance.



EYE STRAIN

Inadequate lighting can lead to eye strain when attempting to perform detailed tasks over extended periods. Insufficient illuminance forces the eyes to work harder to focus and discern details, leading to discomfort, fatigue, and reduced productivity.



SAFETY

Proper lighting is essential to maintain safety, particularly in spaces where tasks requiring attention to detail are carried out. Insufficient illuminance increases the risk of accidents and mistakes by reducing visibility and compromising depth perception.

Lighting Basics.

LIGHT QUANTITY

☉ ILLUMINANCE

Illuminance is extremely important in residential lighting projects because it directly impacts the comfort, functionality, and aesthetics of a space. It is essential to find the right levels to ensure appropriate visibility, visual comfort, and energy efficiency for each activity and area.

Lower illuminance levels are **beneficial in areas intended for relaxation**, as softer lighting helps reduce glare and eye strain while creating a calm, restful atmosphere.

100 LX | 10 FC

BEDROOM 10–20 FC

To create a cozy, relaxing atmosphere, suggested illuminance values for general ambient lighting in a bedroom environment are 10–20 fc. This amount of light helps to improve comfort and promote relaxation as well as supporting the functions within the room.



Design ANARCHITECT
Photography Luca Cioci

LIVING ROOM 10–30 FC

To create a comfortable, inviting atmosphere, a living room should have illuminance levels that can be varied within a range between 10 and 30 fc to support different activities like relaxing, reading, or socializing, while reducing eye fatigue and enhancing the room's aesthetics.



CIRCULATION 10–20 FC

Circulation areas in a residential environment should have illuminance levels of 10–20 fc to ensure safe movement. Adequate lighting reduces the risks of tripping and falling by enhancing the visibility of paths, obstacles, and changes in floor levels.



Design Megève Design
Photography Damien Carreres

Higher illuminance levels are **essential for tasks that require focus and precision**, as they help to reduce eye fatigue and enhance visual comfort during detailed activities.

500 LX | 50 FC

BATHROOM 20–50 FC

In bathrooms, illuminance should be within a range between 20 and 50 fc to allow safe and correct grooming, shaving, or makeup application. Higher levels near mirrors improve visibility, while softer lighting elsewhere maintains comfort and avoids harsh shadows.



WALK-IN WARDROBE 20–50 FC

Walk-in wardrobes benefit from illuminance levels between 20 and 50 fc. This ensures that clothes and colors are seen clearly, reducing the chance of mismatches. Bright, uniform lighting also makes it easier to find items quickly and creates a clean, organized feel.



KITCHEN 30–50 FC GENERAL 50–70 FC COOKING

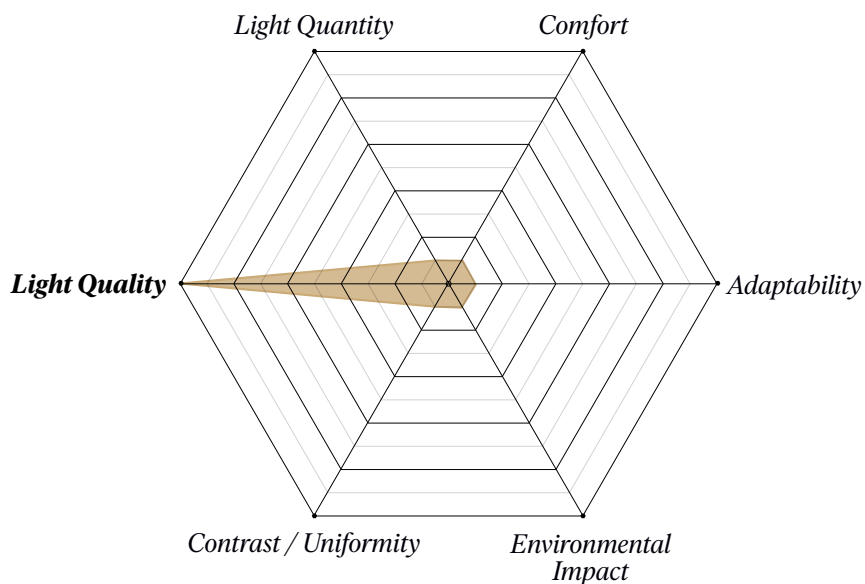
Illuminance in kitchens should range from 30 to 50 fc, especially on worktops and work areas where food preparation occurs. Proper lighting enhances safety and efficiency while helping to create a pleasant, functional space for cooking and dining.



Lighting Basics.

LIGHT QUALITY

⊕ COLOR APPEARANCE
COLOR RENDERING



Light Quality in a residential environment is important because it affects visual comfort, improves the aesthetic appearance of a space, and **influences mood by creating the right environment** for various activities.

The color qualities of a near-white light source or transmitted daylight are characterised by two attributes:

- ☉ Color appearance
- ☉ Color rendering

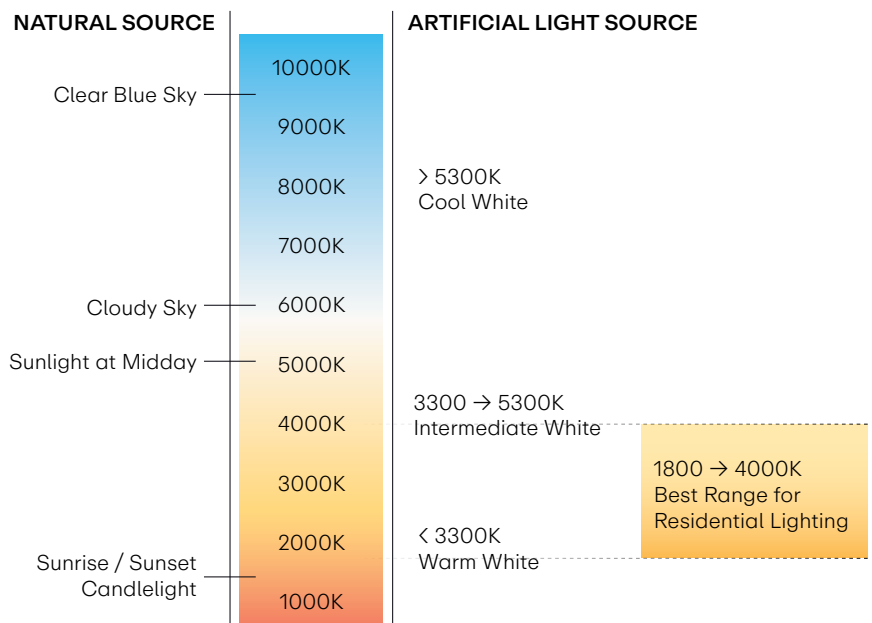
COLOR APPEARANCE

The color appearance of a light source refers to the apparent color (chromaticity) of the light emitted, measured by its **correlated color temperature (CCT)**.

While the color appearance of daylight shifts throughout the day, artificial light should be selected based on factors such as:

- architectural **materials**
- desired **mood**
- **activities** in the room

Choosing the right CCT ensures that the lighting not only complements the function of the space but also enhances comfort and creates the desired atmosphere.



Lighting Basics.

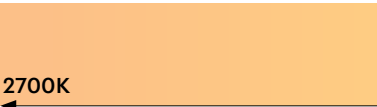
LIGHT QUALITY

Ⓢ COLOR APPEARANCE COLOR RENDERING

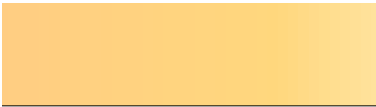
The color temperature of a light source should be thoughtfully selected to complement the **materials** within a space, as it can enhance or alter the perception of textures, colors, and finishes, helping to create a cohesive and welcoming atmosphere.

Warm lighting (2700–3000K) is ideal for enhancing natural materials such as wood and warm metals, creating a warm and inviting environment.

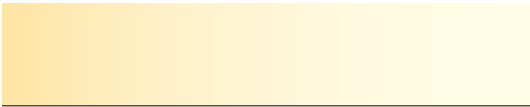
Neutral lighting (3500–4000K) is ideal for stone and some textiles, providing a clean, balanced effect.



**WOOD
2700K**
Warm color temperatures are ideal for wood, as they enhance its natural warmth, highlight its grain and texture, and help to create a cozy, inviting atmosphere within the space.



**WARM METAL (BRASS, COPPER ETC.)
2700–3000K**
Warm color temperatures are ideal for warm metal like brass and copper, as they accentuate their rich, golden tones, enhance their natural lustre, and create a warm, elegant ambience.



**STONE (MARBLE, GRANITE ETC.)
3000–4000K**
Neutral to cool color temperatures are ideal for stone, highlighting its natural veining, maintaining color accuracy, and creating a clean, sophisticated look.



Cool lighting (4000K) fits well with clean, modern materials such as glass, stainless steel and concrete, offering clarity and focus.

4000K
▶

CONCRETE
3500–4000K

Cool color temperatures are ideal for concrete, as they emphasise its raw texture, enhance its modern aesthetic and create a clean, industrial feel.



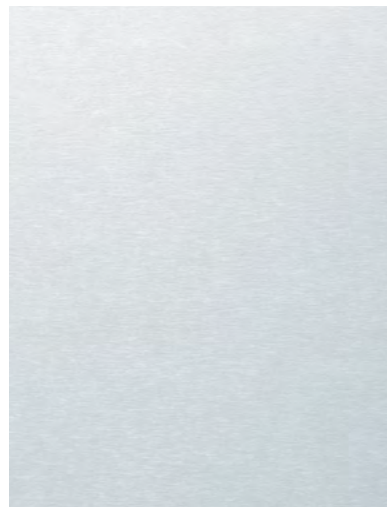
GLASS AND ACRYLIC
3500–4000K

Cool to neutral color temperatures are ideal for glass and acrylic, as they enhance clarity, highlight transparency and reflections, and help to create a sleek, contemporary appearance.



COLD METAL (STAINLESS STEEL)
4000K

Cool color temperatures are ideal for cold metals like stainless steel, as they emphasise their reflective surfaces and reinforce a clean, modern, and industrial aesthetic.



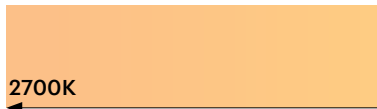
Lighting Basics.

LIGHT QUALITY

⊕ COLOR APPEARANCE COLOR RENDERING

The color temperature of a light source should align with the **activities** in the room, supporting the desired atmosphere and functions to enhance either relaxation or focus, depending on what is taking place.

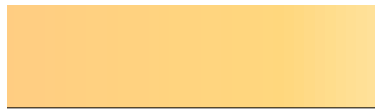
Lower color temperatures can encourage rest and relaxation. Warmer tones help create a calm, comfortable atmosphere, making them ideal for use during the evening or for activities that require a soothing environment. They also support the body's natural rhythms by minimizing exposure to stimulating light.



2700K

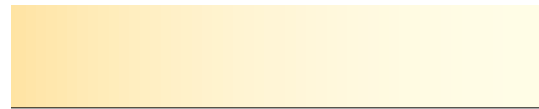
BEDROOM 2700K

A warm light is ideal for creating a calm, restful atmosphere in the bedroom. It reduces blue light exposure, supports relaxation, and helps to prepare the body for sleep.



DINING ROOM 2700–3000K

Warm lighting in this range creates a cozy, welcoming mood that enhances food presentation and fosters a relaxed, intimate dining experience.



LIVING ROOM 2700–3000K

Soft, warm light in this range makes a living room feel inviting and comfortable, supporting both relaxation and casual social activities.



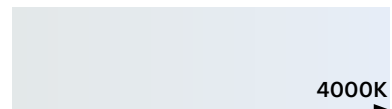
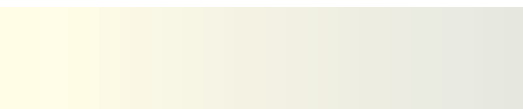
Design Maister
Photography Bert Demasure



Design CDC Studio
Photography Hufton + Crow



Higher color temperatures are appropriate for activities that require focus, alertness, and visual clarity. Cooler, brighter tones enhance concentration and energy levels, supporting environments where clarity and task performance are important.



KITCHEN 3000–4000K

Brighter, cooler light improves visibility for cooking and cleaning, while maintaining a fresh, energetic atmosphere that supports focus and function.

BATHROOM 3000–4000K

Clear, neutral-white light provides optimal visibility for personal care routines, such as grooming, skincare, and makeup application, while also helping to create a clean, refreshing atmosphere.

STUDIO 3000–4000K

Cooler light enhances alertness and concentration, providing the clarity needed for focused work without feeling too harsh or clinical.



Lighting Basics.

LIGHT QUALITY

⊕ COLOR APPEARANCE COLOR RENDERING

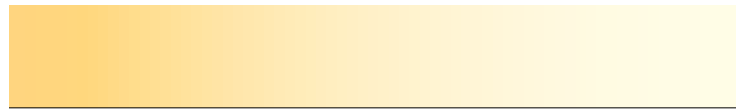
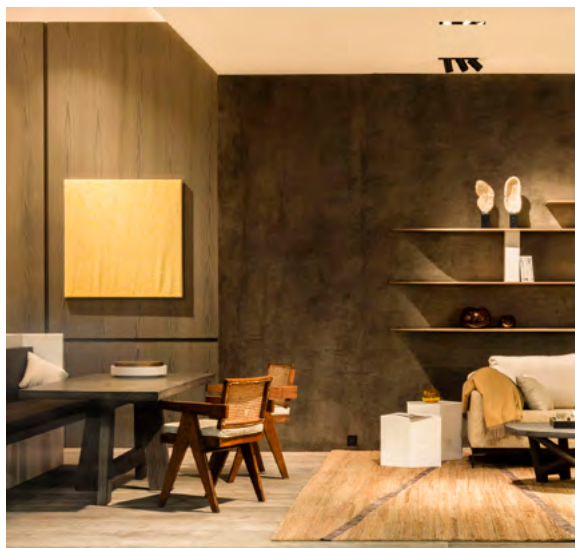
The color temperature of a light source also directly influences the **mood** of a space. The presence of light with different tones can shape the atmosphere, either fostering relaxation and comfort or encouraging focus and mental clarity.

Lower CCT values promote a sense of warmth, relaxation, and coziness. Softer, warmer tones help to create a peaceful and intimate atmosphere, ideal for unwinding, rest, and emotional comfort.



2700K

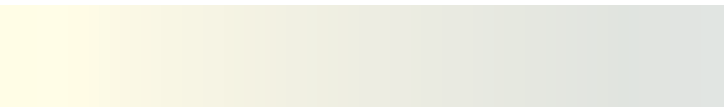
Defined by its warm, amber tone, 2700K light fosters comfort, intimacy, and emotional ease. Reminiscent of incandescent lighting, it enhances materials, softens architectural features, and promotes a sense of comfort and connection.



3000K

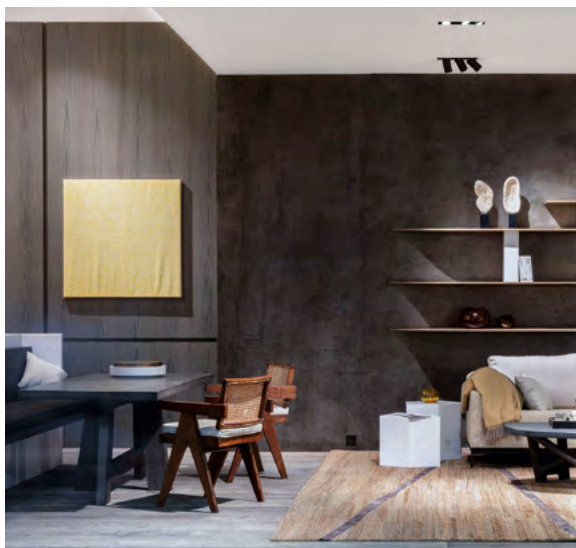
Balancing warmth and clarity, 3000K light creates an atmosphere that is brighter and yet still gentle. It enhances visibility while preserving comfort, supporting relaxed focus and a low-intensity sense of engagement.



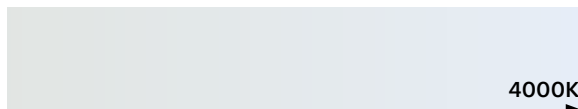


3500K

Positioned between warm and cool tones, 3500K light conveys neutrality and balance. It promotes quiet attentiveness and sustained cognitive activity without over-stimulation, ideal for environments requiring gentle concentration.



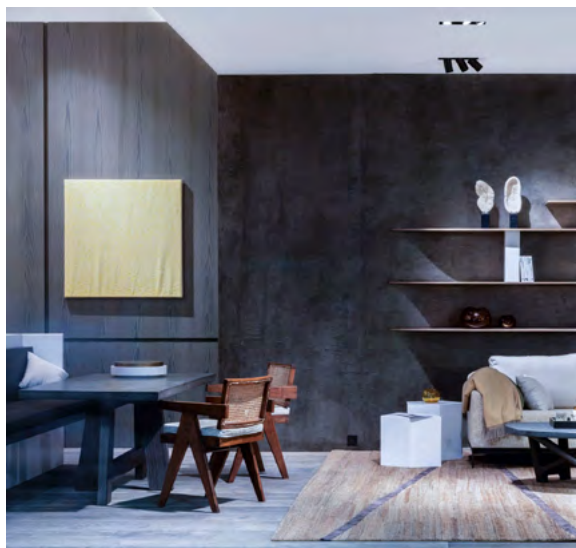
Higher CCT values stimulate alertness, clarity, and energy. Cooler tones evoke a more focused, vibrant mood, enhancing concentration, activity and the sense of dynamism in a space.



4000K

4000K

Cool and neutral, 4000K light promotes visual clarity and heightened alertness. By reducing emotional warmth, it supports precision and focus, aligning with conditions that demand mental sharpness and task efficiency.



Lighting Basics.

LIGHT QUALITY

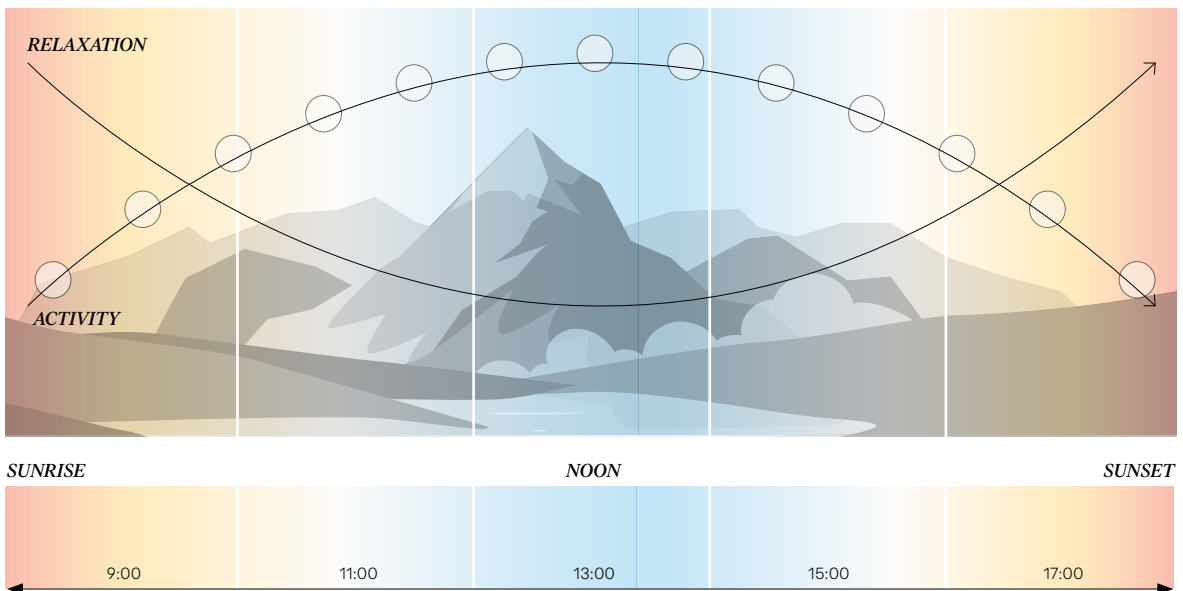
⊕ COLOR APPEARANCE COLOR RENDERING

Dynamic lighting can be a highly effective solution when there is a need to avoid the limitations of a single, fixed color temperature in a space.

It allows lighting to adapt throughout the day by **varying the color temperature in harmony with the natural rhythm of sunlight**, from the warm, soft tones of sunrise that gently help you to wake up, to the bright, cool light of noon that enhances

alertness and productivity, and back to warmer hues at sunset that signal the transition to rest and relaxation. This gradual shift **mirrors the body's natural circadian cycle**, supporting both active and restful phases. By responding to these changing needs, dynamic lighting supports visual comfort, emotional balance, and overall well-being while creating an environment that feels both natural and attuned to the time of day.

To harmonize indoor lighting with the natural rhythms of daylight and enhance both comfort and well-being, we offer two high-level technological solutions: **Soft Dim** and **Tunable White**. These systems embrace a human-centric approach, allowing light to adapt fluidly to the time of day and activity, gently aligning the illumination provided with our biological rhythms for a more balanced and natural indoor experience.



Soft Dim

Soft Dim technology **gradually reduces both light intensity and color temperature** as the light is dimmed, creating a warm, relaxing atmosphere similar to sunset. When the light intensity is dimmed, the color temperature decreases from

a cooler white (3000K) to a warmer white (1800K), simulating the warmth of traditional candlelight. This effect improves the ambiance of a space by creating a cozy, comfortable atmosphere ideal for relaxation, dining, or winding down.

This technology is particularly beneficial in residential environments where a customizable, dynamic lighting experience is desired, allowing greater control over the lighting mood and energy efficiency while providing a high-quality light experience.



1800K
DIMMED TO 10%

3000K
NOT DIMMED

1800K
DIMMED TO 10%

Tunable White

Tunable White technology instead **allows independent control of both intensity and color temperature**, allowing precise adjustments that follow the natural daylight cycle, from the cool, energizing tones of midday to the warm, calming hues of early morning or evening. This dynamic lighting solution is especially beneficial for homes with

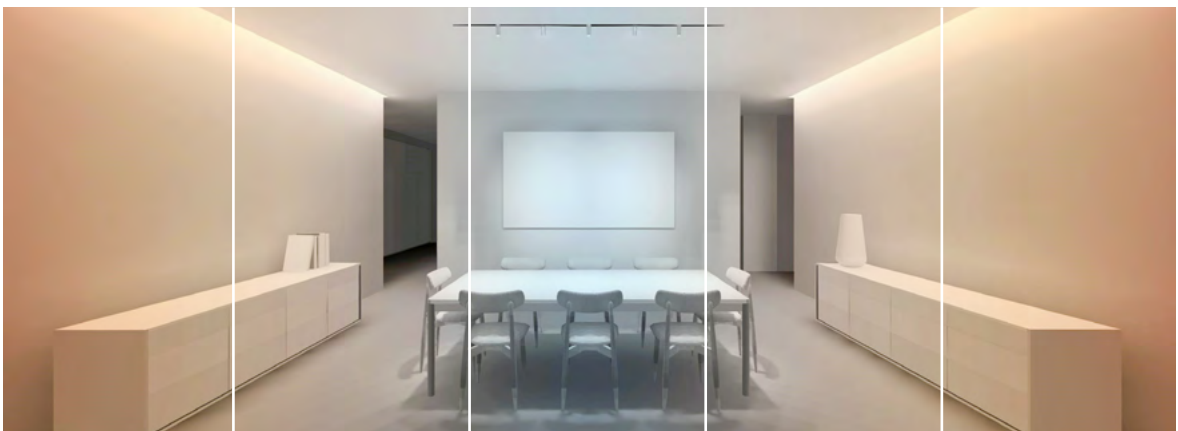
limited natural light, since it helps to align artificial lighting with the natural rhythm of the day, enhancing sleep quality, mood, and overall well-being.

Deltalight offers two distinct types of Tunable White solutions:

⊕ **2700K to 6500K** CRI 90, similar to the standard solutions available

on the market, as it closely simulates the natural light spectrum from sunrise to sunset, supporting productivity and well-being throughout the day.

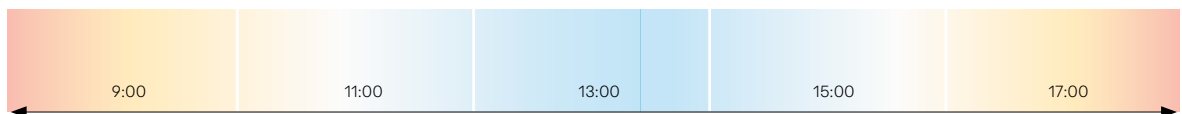
⊖ **1800K to 4000K** CRI 90, a bespoke solution specifically designed for residential and hospitality settings, providing tailored lighting experiences for these environments.



1800K
NOT DIMMED

4000K
NOT DIMMED

1800K
NOT DIMMED



Lighting Basics.

LIGHT QUALITY

COLOR APPEARANCE

② COLOR RENDERING

COLOR RENDERING

This refers to the ability of the light source to show the color of an object 'realistically' compared to a reference source.

The two methods used to assess the color rendering abilities of light sources are CRI and TM-30.

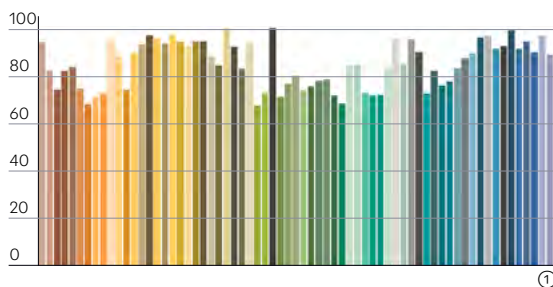


COLOR RENDERING INDEX (CRI)

The CRI is a single numerical value (Ra) representing the average color rendering across eight standard color samples (R1-R8).

Although the R9 to R14 values are measured, they have no impact on a product's CRI rating.

CRI has been the standard method for many years, but it has limitations, including its reliance on outdated color samples and its inability to represent the color rendering of LED light sources accurately.



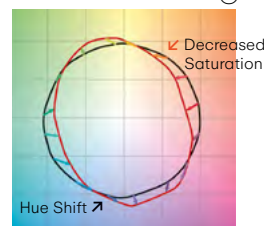
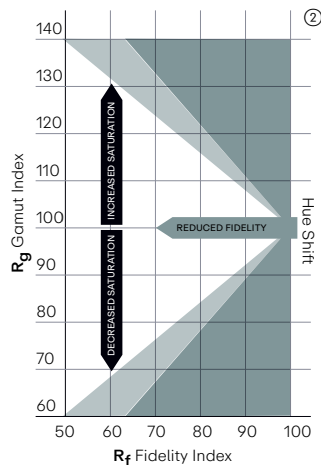
TM-30

TM-30 is a newer method that provides more comprehensive and detailed information than CRI. It comprises of three primary components:

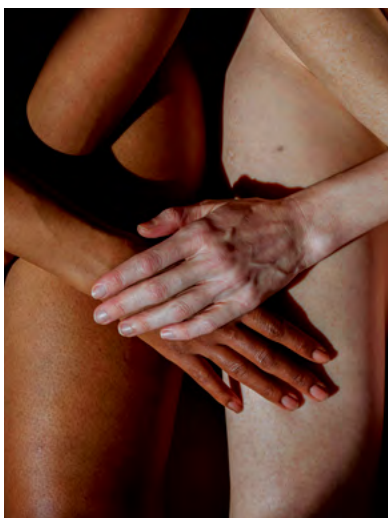
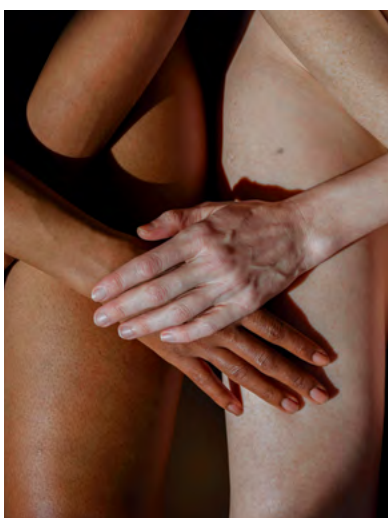
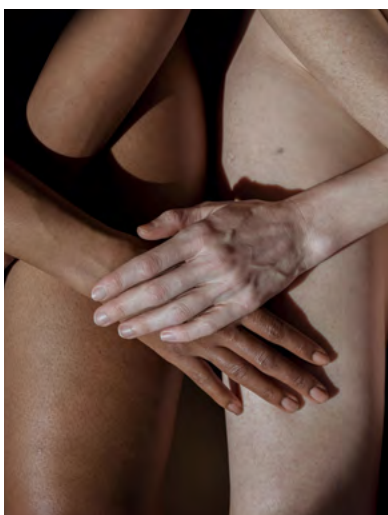
① The **fidelity index** (Rf) is like CRI's Ra but it is calculated based on 99 color evaluation samples (CES) instead of eight.

② The **gamut index** (Rg) measures the average shift saturation of the colors rendered by the light source compared to the reference illuminant, providing additional information about the potential effects of the light source on the perceived vividness of colors.

③ **Color vector graphic** indicates where color saturation variation and hue shift occur.



$$R_f = 83 / R_g = 99$$



Lighting Basics.

LIGHT QUALITY

COLOR APPEARANCE

☉ COLOR RENDERING

The CRI of a light source should reflect the desired quality of the visual experience in a space, allowing colors to be perceived naturally in a way that enhances clarity, comfort, and the overall ambience.

Lower CRI values are suitable when **color accuracy is not important** and the focus is on basic illumination, cost savings, and efficiency.

This is ideal for spaces where function outweighs aesthetics, as it may render colors less vividly.

CRI 80

STAIRS CRI 80–85

These transitional spaces don't require perfect color accuracy but should still offer consistent and clear visibility. A CRI of 80–85 is sufficient to ensure safe movement while keeping energy use and costs under control.



Design Nadia Cornelissen / Aes of Space

BEDROOM CRI 80–90

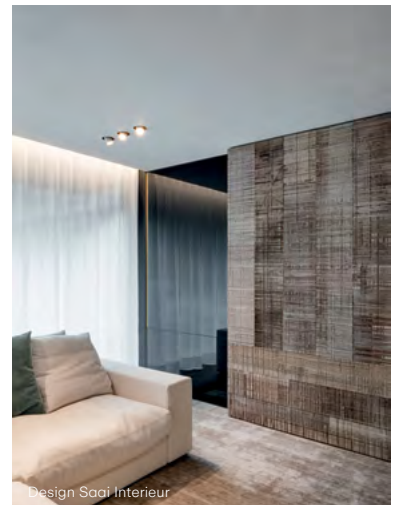
While a restful environment is the primary goal in bedrooms, the lighting should still reveal the natural tones of fabrics, furnishings, and personal items. A CRI between 80 and 90 is a good balance between comfort and visual clarity.



Design DTR Studio
Lighting Design BIG Architectural Lighting
Photography Cris Beltrán

LIVING ROOM CRI 90

As a central space for relaxing, reading, or entertaining, the living room benefits from lighting that brings out the natural colors of furniture, textiles, wall art, and skin tones. A CRI of 90 helps to create a warm, visually balanced atmosphere that feels both comfortable and vibrant.



Design Saai Interieur

Higher CRI values are essential when **accurate, natural-looking colors are important**, for example for skin tones, food presentation, works of art, and detailed visual tasks. With a CRI of 90 or higher, objects appear more vibrant, true to life, and visually pleasing.

CRI 90+

BATHROOM CRI 90+

High CRI lighting is crucial in bathrooms, particularly around mirrors for grooming, makeup application, and skin care routines. Accurate rendering of skin tones and small details is essential for daily hygiene tasks.



Design Nina Maya Interiors
Photography Nicole England

WALK-IN WARDROBE CRI 90+

In walk-in wardrobes, accurate lighting helps you to evaluate the color of clothing, accessories, and fabrics when getting dressed. A high CRI ensures that colors look true to life, making it easier to coordinate outfits and spot mismatched clothing.



Design Atrio Interiors
Architecture Loyzaga Arquitectos
Photography Maria Lorena Darques

KITCHEN CRI 90+

Kitchens demand clear, accurate lighting for food preparation, cooking, and cleaning. A high CRI ensures that the colors of produce, meats, and cooked dishes are shown correctly, and it also helps when highlighting spills or mess on worktops and appliances.



Design Megève Design
Photography Damien Carreres

Lighting Basics.

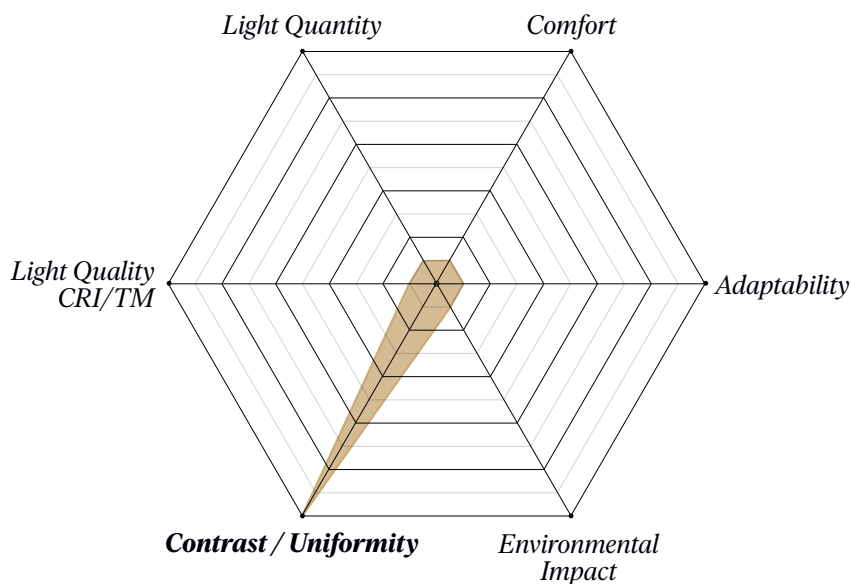
UNIFORMITY VS CONTRAST

③ UNIFORMITY / CONTRAST

TYPES OF LIGHTING

LAYERED LIGHTING

POSITIONING



Uniformity and ***contrast*** are two important aspects that influence the visual perception and comfort of a space. Balancing uniformity and contrast is **essential to create visually appealing, functional, and comfortable spaces.**

In a well-designed residential lighting scheme, **uniformity and contrast work together** to create an inviting, comfortable environment that allows clear visibility while also showcasing the architectural and personal elements of the space.

UNIFORMITY

Uniformity refers to the **even distribution of light throughout a space**, ensuring that all areas receive **consistent illumination without noticeable dark spots** or overly bright areas. In residential lighting, uniformity is crucial in order to **create a comfortable, balanced environment**. It helps to make spaces feel welcoming and functional, especially in areas where people move around frequently, such as living rooms, kitchens, and hallways. Uniform lighting is important for basic visibility, reducing shadows, and providing a neutral background for activities such as reading, cooking, or socializing.



CONTRAST

Contrast refers to the **difference in brightness or luminance between adjacent surfaces or objects within a space**. It plays a significant role in **shaping visual perception, depth perception, and the overall ambiance** of the environment.

In residential environments, contrast is used to add dimension and highlight focal points, such as architectural features, artwork, or specific areas of the home.



Lighting Basics.

UNIFORMITY VS CONTRAST

UNIFORMITY / CONTRAST

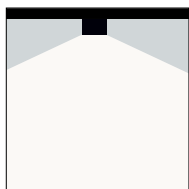
⊕ TYPES OF LIGHTING

LAYERED LIGHTING

POSITIONING

To achieve the desired balance between uniformity and contrast in residential lighting, it is often necessary to use a combination of lighting techniques.

Each type of lighting serves a specific purpose and has its own advantages, so every choice is made on the basis of the specific requirements and design goals of the space being illuminated.



GENERAL LIGHTING

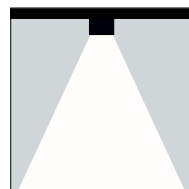
The simplest way to provide overall illumination for a space. This type of lighting provides overall illumination by directing light straight downwards from luminaires such as ceiling-mounted lights or pendant lamps.

It ensures that the space is **evenly lit** and is **ideal for areas where clear visibility is important**.



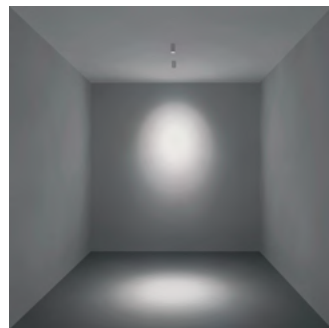
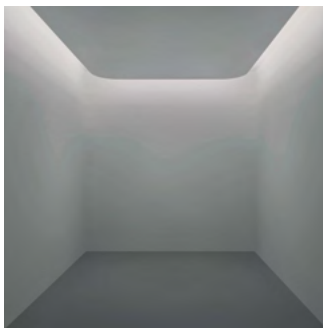
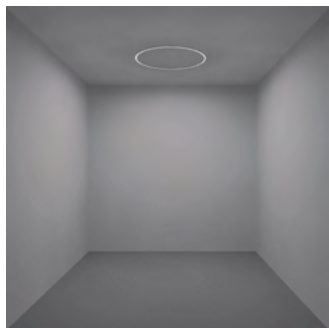
INDIRECT LIGHTING

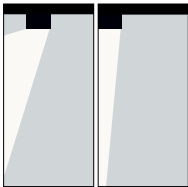
Indirect lighting reflects light off ceilings or walls to create a soft, diffuse glow. It **minimizes glare and creates a cozy, ambient feel**, making it perfect for living areas or bedrooms where comfort and atmosphere are key.



ACCENT LIGHTING

Accent lighting is used to **create visual interest** by **highlighting specific features** within a space such as works of art, architectural details, plants, or textured walls. It draws the eye towards focal points and adds depth to a room's lighting design. In residential spaces, it is often layered with general and ambient lighting to achieve a more dynamic, sophisticated look.

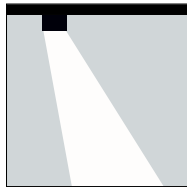
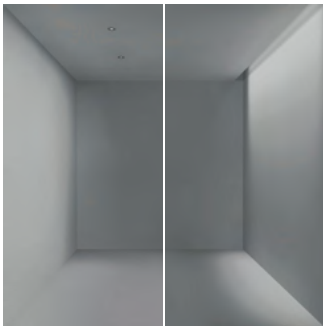




WALLWASHING / WALLGRAZING

Wallwashing is used to **evenly illuminate vertical surfaces** with a soft and uniform light that reduces shadows and enhances the perception of space.

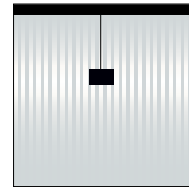
Wallgrazing is used to **highlight the structure of a wall** by grazing the light across its surface, creating depth and visual interest.



TASK LIGHTING

Task lighting provides **focused illumination for specific activities** or areas that require enhanced visibility. It improves safety and creates a subtle style without overwhelming the space.

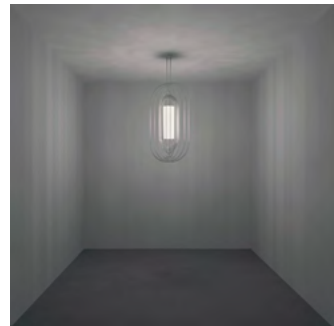
- ⊕ **Studio lights**
with low UGR for comfortable, glare-free lighting
- ⊕ **Step lights**
for safe illumination of staircases
- ⊕ **Under-cabinet or worktop**
lighting for bright illumination of preparation areas



DECORATIVE LIGHTING

Decorative lighting **elevates residential interiors by offering both functional illumination and aesthetic appeal.**

Pendants, wall lights and floor lamps act as focal points, enriching the spatial hierarchy and adding visual interest throughout the space.



Lighting Basics.

UNIFORMITY VS CONTRAST

UNIFORMITY / CONTRAST

TYPES OF LIGHTING

⊕ **LAYERED LIGHTING**

POSITIONING

Balancing Uniformity and Contrast is fundamental in residential lighting to achieve clarity, depth, and comfort throughout the home.

This balance is best achieved through **layered lighting**, strategically combining general, accent, and task lighting. Rather than relying on a single type of lighting, layered lighting distributes light at varying intensities and in different directions.

It provides uniform coverage where needed, while introducing contrast to define shapes, create visual interest, and support specific activities.

One practical advantage of this approach is its **impact on face recognition**. In living areas, dining rooms, and hallways, lighting plays a crucial part in the way we perceive facial details and expressions.

Uniform lighting ensures even coverage, reduces shadows, and ensures that faces remain visible throughout the room.

When general lighting becomes too flat, however, it can eliminate the subtle modeling that gives a face its depth and expression. Facial features may appear faded, and visual cues (such as a smile or a raised eyebrow) can become harder to pick up.

On the other hand, excessively directional lighting can create harsh shadows that distort features, making people look tired or unnatural. These extremes can be visually unpleasant and emotionally distancing.

The right mix will enhance facial definition and expression, making the home not only functional, but also emotionally engaging and visually comfortable.

GENERAL LIGHTING **40%** / ACCENT LIGHTING **75%** / WALLWASHING **100%**



LIGHTING
CONTRAST



FACE
RECOGNITION

GENERAL LIGHTING

General Lighting provides widespread illumination that helps to make facial features clearly visible. It reduces sharp shadows and ensures that the person's whole face is readable. When it is too flat or overly diffuse, however, subtle details may be washed out, making expressions less vivid.



LIGHTING
CONTRAST



FACE
RECOGNITION



ACCENT LIGHTING

Accent lighting introduces contrast, enhancing facial definition by highlighting contours and adding depth, making expressions more vivid and engaging. If it is too intense or poorly positioned, however, it can create harsh shadows - especially from features like hair or glasses - that distort natural expressions and give people an unbalanced or overly dramatic appearance.



LIGHTING
CONTRAST



FACE
RECOGNITION



WALLWASHING/WALLGRAZING

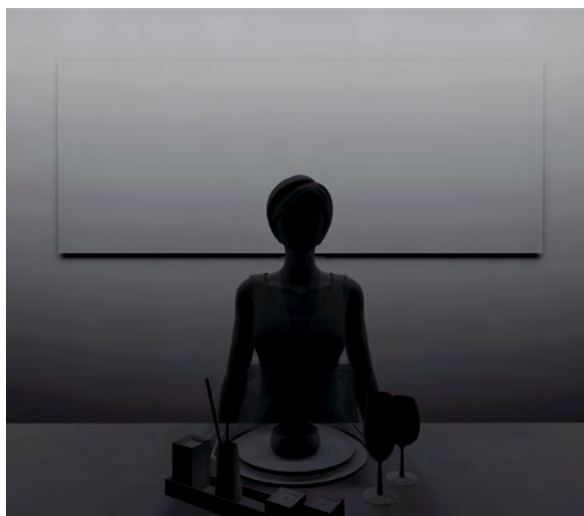
Wallwashing and wallgrazing are forms of ambient lighting that contribute to the overall atmosphere by enhancing spatial depth and softly illuminating vertical surfaces, adding texture and visual interest to the background.



LIGHTING
CONTRAST



FACE
RECOGNITION



Lighting Basics.

UNIFORMITY VS CONTRAST

UNIFORMITY / CONTRAST

TYPES OF LIGHTING

LAYERED LIGHTING

③ POSITIONING

Case Study: Illuminating the face in front of a mirror with layered lighting. Whether it is for grooming, skincare, makeup, or simply at the beginning and end of the day, the quality of the light in front of a mirror deeply influences how we see ourselves and carry out our personal routines. Inadequate lighting can distort facial features, cast unflattering shadows or cause glare, resulting in discomfort and an inaccurate reflection. The right lighting demands both aesthetic sensitivity and technical precision. The essential challenge is to balance lighting uniformity with contrast. The face should be evenly lit, minimizing harsh shadows, particularly under the eyes, nose, and chin. A degree of contrast adds depth, but overly directional lighting can exaggerate features and appear unnatural.

Two key factors are **the positioning of the light source** and **the type of light emitted**.

Positioning: frontal light is ideal. The best solution is to place luminaires vertically on both sides of the mirror for uniform illumination and to reduce the shadowing often caused by overhead-only lighting. Alternatively, a horizontal luminaire positioned above or integrated into the mirror can also be effective, as long as it provides diffuse, evenly distributed light.

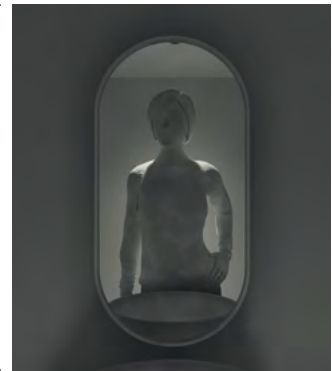
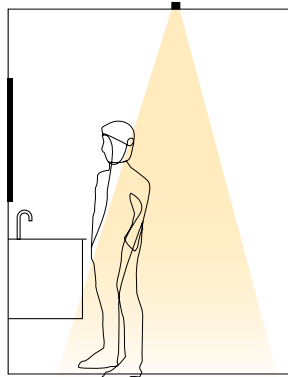
Type of luminaire: diffuse general lighting ensures soft, even lighting across the face, which is ideal for both accuracy and comfort. Relying solely on general lighting can, however, sometimes flatten facial features. In contrast, accent lighting, being more directional, adds depth and contour but risks creating harsh shadows, especially under the eyes. The most effective solution often involves combining the two: general lighting for clarity and comfort, and accent lighting for depth and subtle facial modeling. This integrated solution supports both functional and emotional aspects of the daily routine.





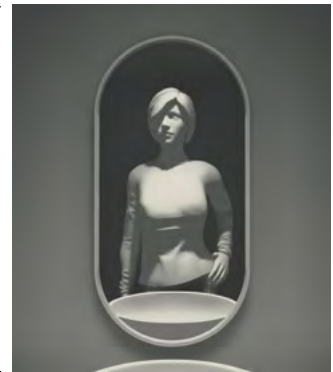
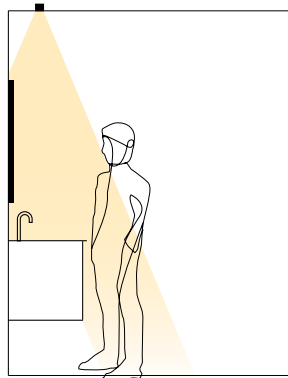
POSITION: BEHIND

Lighting from behind will put the **face in shadow**, making it **hard to see details clearly**. This is the least effective setup of all for personal care routines.



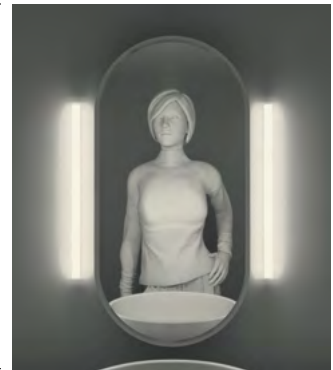
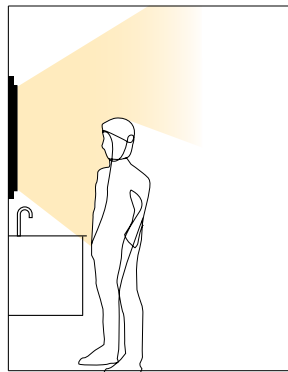
POSITION: ABOVE

Top lighting creates **harsh shadows** under the eyes, nose, and chin, resulting in a **dramatic, uneven look** that distorts facial features.



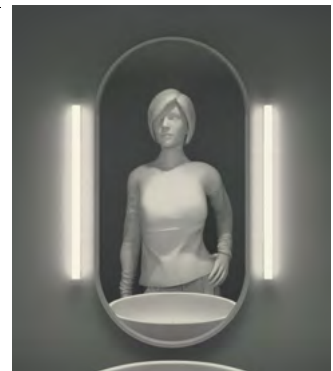
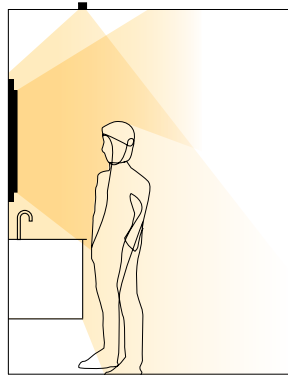
POSITION: IN FRONT

Lighting from the front ensures clear, **shadow-free illumination**, which is ideal for precision tasks. Although it is **slightly flat**, it offers a clean and consistent view of the face.



POSITION: ABOVE + IN FRONT

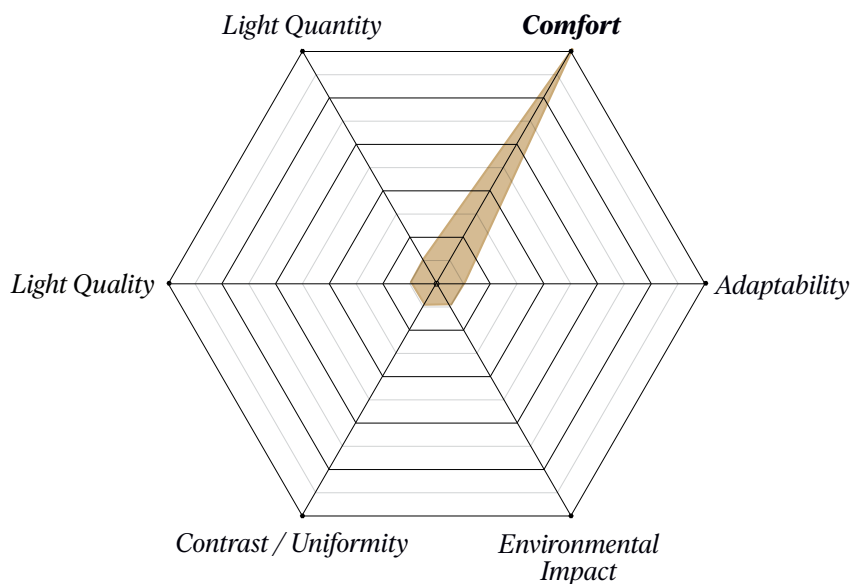
Combining top and front lighting **balances uniformity and shadow**, naturally enhancing facial features while ensuring clarity and comfort.



Lighting Basics.

COMFORT

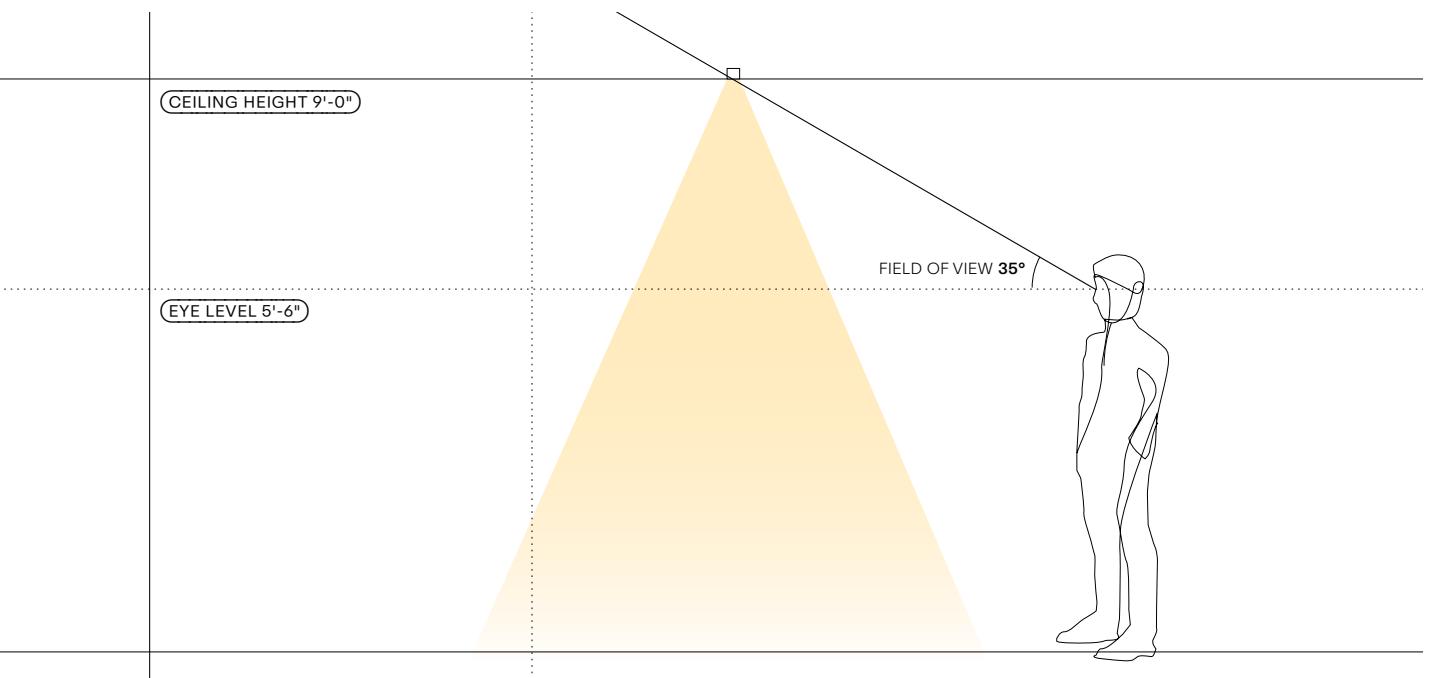
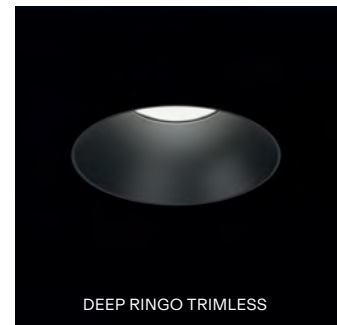
⊕ GLARE CONTROL
NOISE CONTROL



Comfort is a crucial part of creating a space that promotes relaxation and well-being. This can be achieved by effectively managing **glare and noise**, which are all essential for a truly harmonious environment.

GLARE

Glare refers to **visual discomfort caused by excessive contrast or poor light distribution** that interferes with the ability to see details or objects clearly. In residential spaces, glare can occur from direct light sources (direct glare) or from reflections on surfaces like furniture or screens (reflected glare). Managing glare is essential to ensure that lighting conditions are comfortable for the various activities in the home. The most effective way to minimize glare is to select luminaires that have proper shielding and low glare ratings.



Lighting Basics.

COMFORT

GLARE CONTROL

⊕ NOISE CONTROL

Integrating luminaires with **acoustic elements** offers an effective and innovative solution to meet both lighting and **noise control** needs in residential spaces, enhancing overall comfort and livability. While the lighting components fulfil their primary role of providing illumination, the integrated acoustic panels absorb sound waves and reduce reverberation, an effect caused when sound reflects off hard surfaces like ceilings, walls, and windows, causing echoes and sound distortion. Deltalight addresses this dual challenge with products such as Soliscape, Superloop, and Zoover; luminaires that incorporate acoustic panels to simultaneously manage both light and sound. By reducing reverberation time and minimizing background noise, these products improve auditory comfort while maintaining high-quality lighting performance.



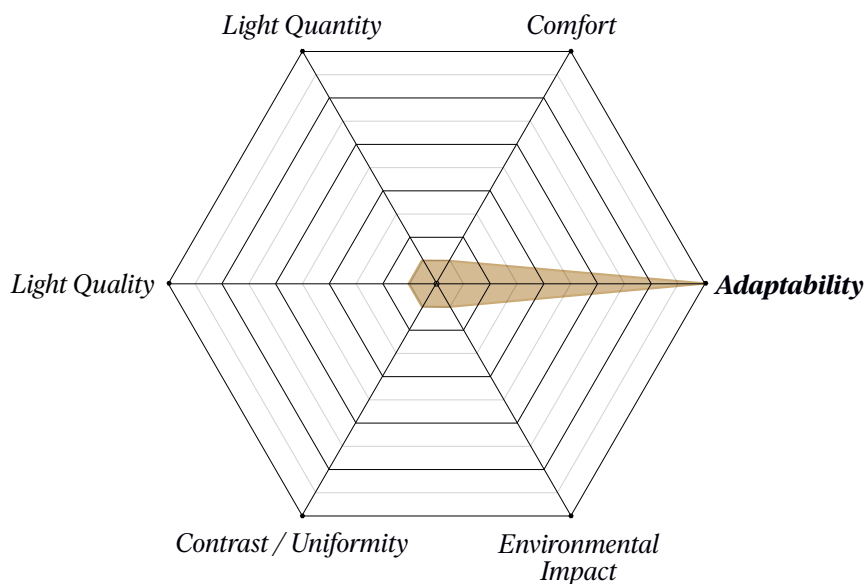
Controlling noise in a residential setting is key to creating a *peaceful atmosphere* that supports rest, focus, and a sense of comfort in all aspects of daily life.



Lighting Basics.

ADAPTABILITY

- ⊕ PERSONALIZATION
 - FLEXIBILITY
 - FINISH
 - DIMMING
 - LIGHTING SCENES

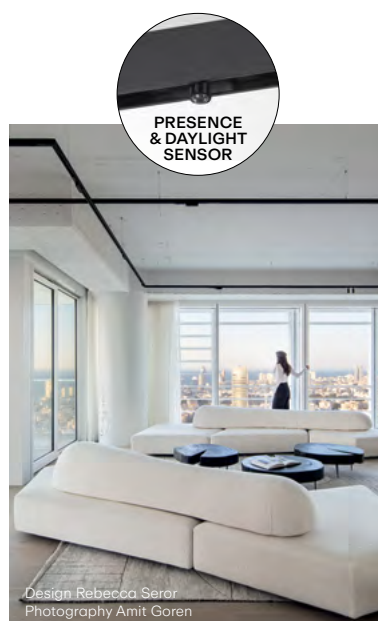
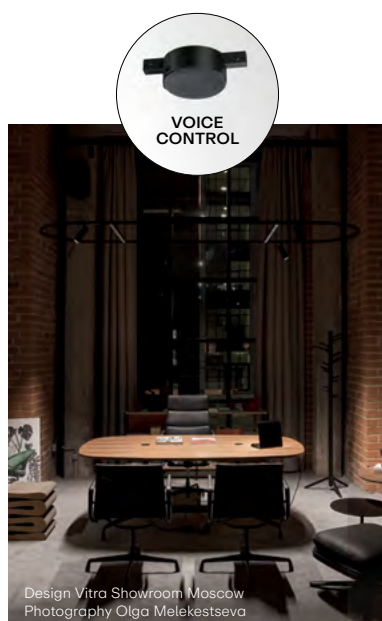
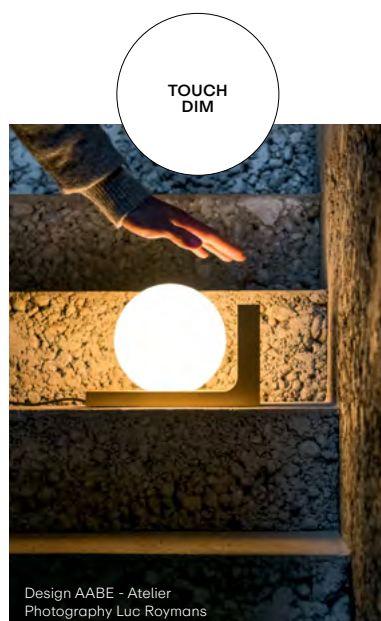


Adaptability in residential lighting refers to the capability of the lighting system to adjust and respond to varying lifestyle needs, personal preferences, and ambient conditions within the home.

Adaptability in residential lighting reflects the evolving relationship between technology and human experience, where intelligent systems respond intuitively to the changing rhythms of daily life. In today's homes, where activities, moods, and environmental conditions are constantly shifting, lighting has to move beyond static functionality to become an active, responsive element within the living environment. These systems thoughtfully integrate **personalization, flexibility**, and customizable lighting scenes, allowing users to shape their environments in intentional ways for focused work, social gatherings, or quiet relaxation. **Dimming** capabilities and refined product **finishes** further enhance this adaptability, providing precise control over both light intensity and aesthetic coherence, ensuring that the lighting complements the interior design as well as serving practical needs. By aligning illumination with the practical and emotional dimensions of domestic life, adaptive lighting not only enhances comfort and usability but also supports more mindful, energy-efficient living.

PERSONALIZATION

Personalization in residential lighting elevates the living experience by allowing users to tailor illumination to their unique preferences, routines, and spatial contexts. Today's advanced lighting systems incorporate features such as touch-dim controls, voice activation, presence detection, and daylight sensors, allowing effortless customization of both ambiance and functionality. Whether they allow adjustment of brightness with a simple gesture, set the scene in response to voice commands or allow lighting to respond automatically to occupancy and natural light levels, these technologies put the user at the center of the lighting experience. Personalized lighting not only enhances comfort and convenience but it fosters a deeper connection between the home environment and its inhabitants.



Touch-Dim and Voice Control not currently included in North American offering.

↑ RETURN TO INDEX

Lighting Basics.

ADAPTABILITY

PERSONALIZATION

⊕ FLEXIBILITY

FINISH

DIMMING

LIGHTING SCENES

Flexibility is the essence of residential lighting. Shaping spaces, evolving along with lifestyle, and seamlessly adjusting to every mood and moment with effortless elegance.

FLEXIBILITY

In a residential setting, flexibility means lighting that can adjust easily to changes in the way each room is being used. As families grow or routines shift, a dining room might double as a work space, or a spare room could become a nursery.

Lighting systems should support these transitions with luminaires that are adjustable and settings that can be reprogrammed without rewiring. From under-cabinet kitchen lights that brighten for meal preparation to ambient living room lighting for movie nights, flexibility ensures that the lighting evolves with the home.

LOW-VOLTAGE SYSTEMS

Deltalight brings this spirit of **flexibility** into the heart of the home with Low-Voltage Systems, designed not just for performance, but for life in motion. The clean lines of these profiles offer unmatched **adaptability**. Each lighting module can be attached effortlessly using **magnetic attachments**, allowing **tool-free installation**, repositioning, and reinvention at any time.

As shown in the photos on the right, the same lighting system and space can support entirely different furniture arrangements, proving the system's incredible flexibility.

These luminaires can be moved with no intervention by an electrician, and if you wish to change the luminaire to create a new ambiance, you can do this **easily and independently**. That makes the system truly **future-proof**, ready to evolve with your needs and style.

The system is composed of two core elements:

⊖ **Low-Voltage Systems** that can be discreetly integrated with Splitline M20 or M52 for a seamless, trimless finish, or used more boldly with Shiftline M26 in surface-mounted or suspended applications.

⊖ **Lighting modules**, including spotlights with a range of beam angles to highlight specific details, linear LEDs for wallwashing or even room illumination, and pendant lighting to add a touch of grace and intimacy. Each element locks securely into place with a simple click (no tools required and no complications) delivering both power and precision.

This is lighting that adapts along with you, effortlessly changing alongside your space and always ready to match the mood.



Lighting Basics.

ADAPTABILITY

PERSONALIZATION

⊕ **FLEXIBILITY**

FINISH

DIMMING

LIGHTING SCENES

FLEXIBILITY

In residential lighting, flexibility also includes the ability to respond thoughtfully to diverse architectural and spatial conditions.

The freedom to select the most appropriate mounting solution means that each luminaire can be aligned to the specific character and constraints of its setting. Rather than presenting a limitation, the installation method becomes an integrative tool supporting both design intent and contextual sensitivity.

SPY LOW VOLTAGE
MODULE

SPY PROFILE
MODULE

Flexibility is the essence of residential lighting. Shaping spaces, evolving along with lifestyle, and seamlessly adjusting to every mood and moment with effortless elegance.

SPY C



SPY ON



SPY CLIP



SPY TRIMLESS



MOUNTING OPTIONS

There is infinite variability in the built environment, from materiality to structure, and the lighting needs to be just as versatile.

Our luminaires are engineered to offer **a broad spectrum of mounting options**, allowing seamless installation across a wide range of construction materials, including plasterboard, brick, and concrete. Whether recessed for visual purity, surface-mounted when full integration isn't possible, semi-recessed for subtle articulation, or suspended to define spatial volumes, each solution is designed to respect the constraints and opportunities of the architectural envelope.

Mounting techniques are thus no longer a limitation, but a means of extending the language of the luminaire so that it can inhabit a space with clarity, coherence, and intentionality.

↑ RETURN TO INDEX

Lighting Basics.

ADAPTABILITY

PERSONALIZATION
⊙ FLEXIBILITY
FINISH
DIMMING
LIGHTING SCENES

Where Indoor Meets Outdoor

Flexibility is at the core of thoughtful lighting, elegantly adapting to every environment, from dry interiors to wet areas and outdoor spaces, combining protection and design in perfect harmony with the diverse demands of modern architecture.

FLEXIBILITY

True flexibility in residential lighting lies in carrying **a unified design language across every space** achieved either through tailored solutions for specific environments or through product ranges offering **multiple ratings**.

Luminaires available in several versions with different ratings can transition seamlessly from living areas to bathrooms and outdoor settings, maintaining visual consistency without compromising performance or protection.

This adaptability transforms technical specifications into design opportunities, allowing a single luminaire to respond elegantly to the diverse demands of modern architecture.

Location Ratings

In North America, installation suitability is defined by the National Electrical Code (NEC), which classifies luminaires according to environmental exposure conditions. These classifications establish where a product may be safely installed based on its resistance to moisture and environmental exposure.

Selecting the correct rating ensures safety, compliance, and long-term performance, while maintaining visual continuity from interior living spaces to exterior architecture.

Interior areas not normally subject to **moisture or condensation**.

-
Interior Areas
Living Room, Corridor,
Dining Room, Bedroom...

Interior or exterior areas **protected from direct water exposure** but subject to moisture or condensation.

-
Bathrooms (outside the shower & bath areas),
Transitional Spaces

Interior areas subject to direct water **exposure or saturation**. Typically used where luminaires may be exposed to splashing or direct contact with water.

-
Interior Wet Areas
like Shower & Bath Areas

Exterior areas exposed to weather, rainfall, irrigation, and temperature variation.

Products in these environments require enhanced protection against corrosion, UV exposure, and long-term environmental stress.

-
Exterior Areas

Dry



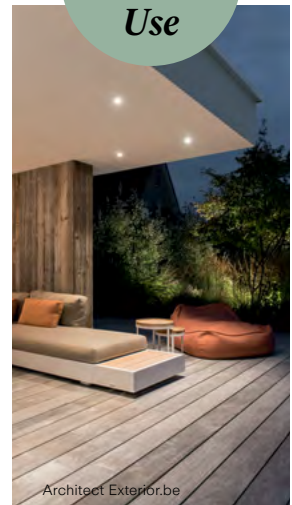
Damp



Wet for Indoor Use



Wet for Outdoor Use



Lighting Basics.

ADAPTABILITY

PERSONALIZATION

FLEXIBILITY

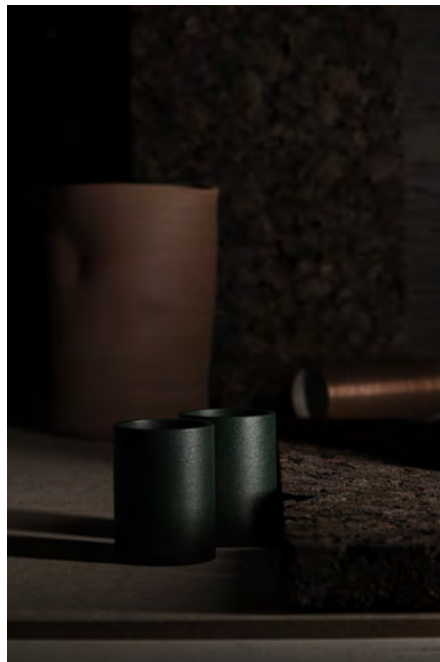
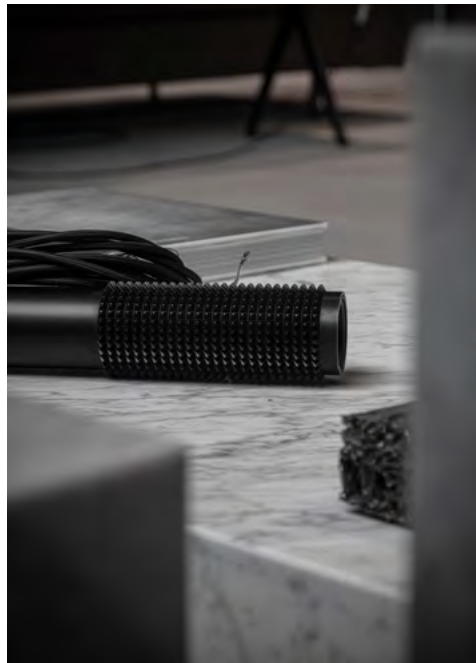
⊕ FINISH

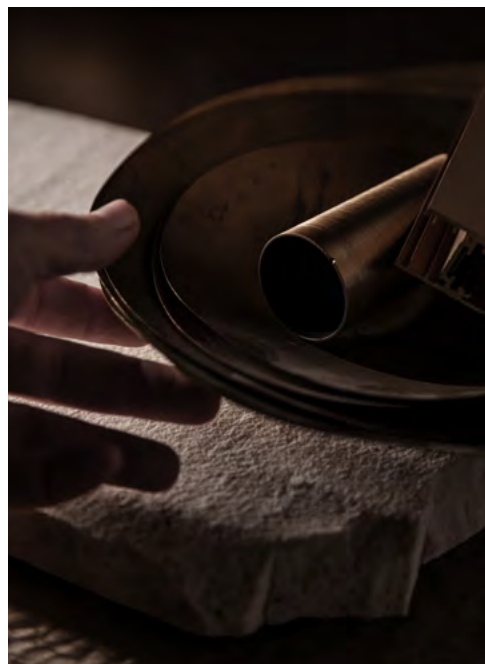
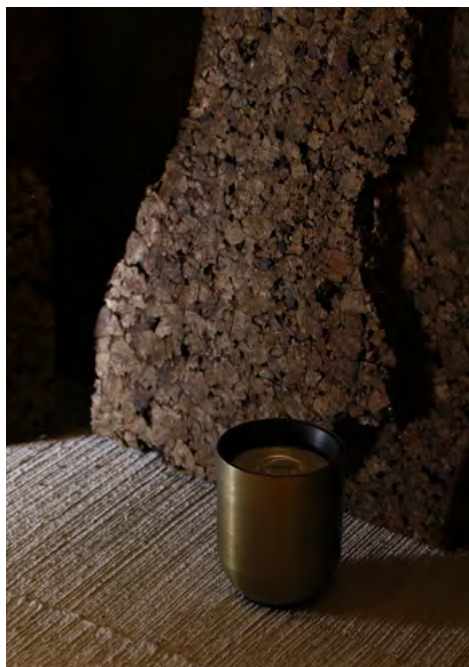
DIMMING

LIGHTING SCENES

THE POWER OF THE RIGHT FINISH

The **finish** of a lighting product is more than just a surface treatment. It is a design decision linking the luminaire with its architectural surroundings. A luminaire with a well-chosen finish can be integrated seamlessly into its surroundings, either by harmonizing with the materials and tones of the space or by subtly highlighting architectural details. From a matte black echoing the window frames to a brushed bronze to reflect warm interior elements, the finish becomes a silent yet powerful extension of the architecture. As well as integration with the architecture, the finish also presents opportunities for personal expression. Selecting the right texture or color can infuse a room with individuality—whether you are aiming for a clean, modern aesthetic or a more tactile, inviting atmosphere. Luminaires with the right finish not only illuminate a space; they complete it.





Lighting Basics.

ADAPTABILITY

- PERSONALIZATION
- FLEXIBILITY
- ⊕ **FINISH**
- DIMMING
- LIGHTING SCENES

MATERIAL HARMONY IN PRACTICE

This mood board showcases how the finish of the luminaire aligns with surrounding materials and tones, illustrating the **harmony between product and interior**. It clearly shows how thoughtfully selecting the right finish can create visual continuity and reinforce the architectural language of a space.





Architects: DREAMER + Roger Nelson
Photography: Nicole England

Lighting Basics.

ADAPTABILITY

- PERSONALIZATION
- FLEXIBILITY
- FINISH
- ⊕ **DIMMING**
- LIGHTING SCENES

Dimming systems allow light levels to be adjusted according to the homeowner's needs, mood, or activities. Whether you want a soft, relaxing atmosphere for the evening or bright lighting for cooking or reading, dimming offers a flexibility that traditional ON/OFF luminaires do not provide.

Dimming down the light output helps to **create a soft, calming atmosphere** that is ideal for evening relaxation while also reducing energy consumption and extending the lifespan of light sources. This makes dimming an adaptable, eco-friendly, and cost-effective solution in the long-term that can significantly enhance the overall living experience.

MIN

DIMMED TO 5–10% SOFT AND RELAXING

Lighting creates a warm and intimate ambiance, ideal for late evenings, relaxing moments or watching movies. It minimizes glare, reduces energy consumption and helps to prepare the body for restful sleep, making your space feel calm and cozy.

DIMMED TO 30–40% COMFORT

It creates the perfect balance between functionality and atmosphere. It suffuses the room with warmth: enough to be noticeable or interesting, but never too much. It creates a relaxed yet engaging atmosphere, perfect for conversations, moments of calm, or times when some clarity is needed without losing the cozy ambiance.



Dimming up the light output **provides bright, focused illumination** for tasks that require clarity and precision, such as cooking, reading, or cleaning. It enhances visibility and supports productivity, adapting the lighting to meet functional needs.

**DIMMED TO 60–70%
GENTLE FUNCTION**

This functional yet still delicate form of lighting achieves a balance between energy and calm. It invites concentration without disrupting the tranquillity, making it perfect for reading or making preparations or decisions. This is a space where clarity and comfort meet.



MAX
→

**DIMMED TO 100%
FUNCTIONAL**

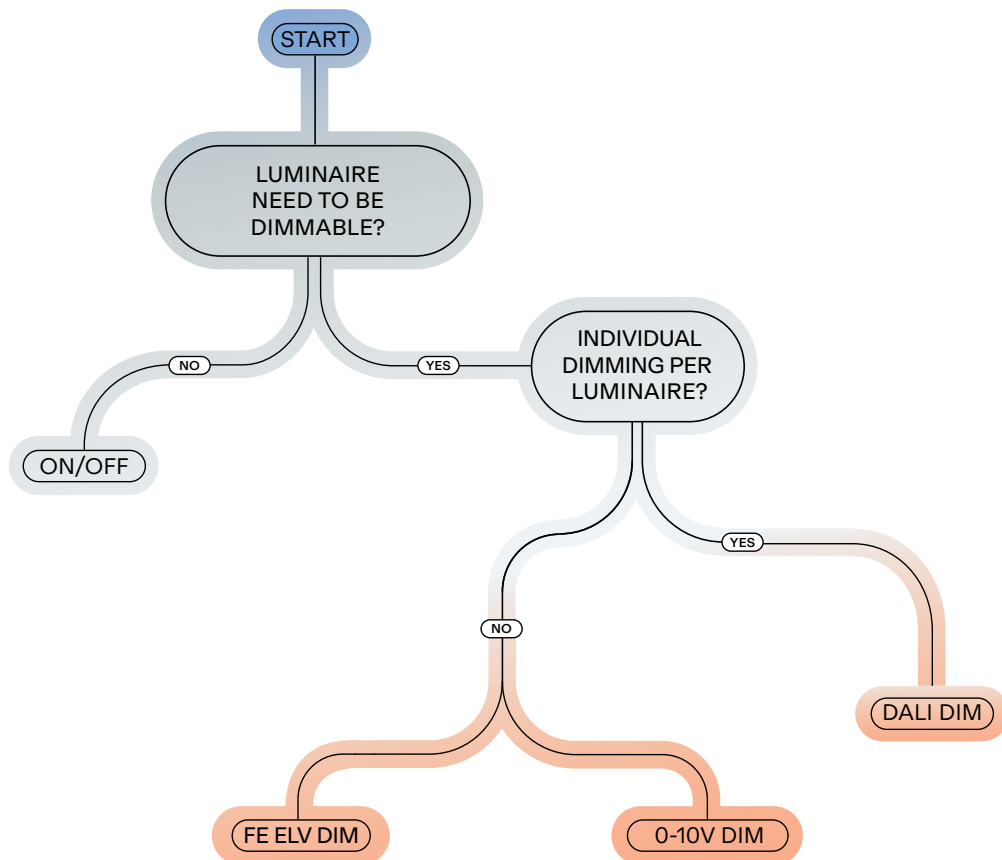
Every surface illuminated, every corner visible. At 100% brightness, it provides maximum light for tasks like cleaning, packing, or other activities where full visibility is needed. When every detail matters, full illumination brings clarity, energizing the space and preparing it for action. This is a full light that illuminates everything.



Lighting Basics.

ADAPTABILITY

- PERSONALIZATION
- FLEXIBILITY
- FINISH
- ⊕ **DIMMING**
- LIGHTING SCENES



ANY DIMMING PROTOCOL CAN BE **WIRELESSLY** CONTROLLED.

Integration with a BMS (building management system) is possible in combination with a gateway for all other dimming options.

PHASE DIMMING

There are two techniques for phase dimming: falling-edge systems (also called reverse-phase or trailing-edge) and leading-edge systems (also called forward-phase or Triac dimming). In this dimming method, there's an extra device, the dimmer, connected to the line voltage power supply.

No extra control wires are needed, and it can be added to (an) existing installation(s). This option allows dimming **down to 20%, 10%, and even 1%**, depending on the type of falling-edge dimmer you're using. A few things to consider: **flicker** may occur when adjusting the level, **blinking** may occur when dimming to the lowest level which requires adjusting the dimmer trim, and not all systems are compatible with LED. Generally, using a falling-edge dimmer is recommended for LED.

0-10V DIMMING

This system provides a perfect professional dimming method across the **0-100%** light intensity range, allowing you to preset lighting scenes using home automation. It is an **analogue dimming** technology where a signal is given between 0 and 10 volts or via a potentiometer (100K linear). This requires **two control wires** between the power supply and the dimmer, a limited number of power supplies when using a potentiometer, and a **main switch** may be needed to turn the lighting system on and off.

WIRELESS DIMMING

Wireless dimmers offer extensive possibilities for **smart buildings**. CTRL Delta, our wireless dimming technology, allows you to **control a wide range of luminaires** into a wireless network. The lighting can then be controlled **via smartphones, tablets, smart watches, push buttons, switches or the Xpress control panel**. Smart control can even be achieved using existing wall switches without changing the wiring.

DALI DIMMING

Digital Addressable Light Interface (DALI) is a universal standard for **digital dimming** systems and one of the most frequently used, regardless of the scale of the project. Unlike analogue light settings, it allows you to **dim each device separately**, with an address provided for each power supply. This means each device can be controlled independently. Luminaires can also return signals, making it flexible and economical to adjust the lighting. Integration into **building management systems** is quite simple. As a leading company in lighting and a member of DiiA, we embrace new technologies: the transition to DALI-2 was a logical next step.

↑ RETURN TO INDEX

Lighting Basics.

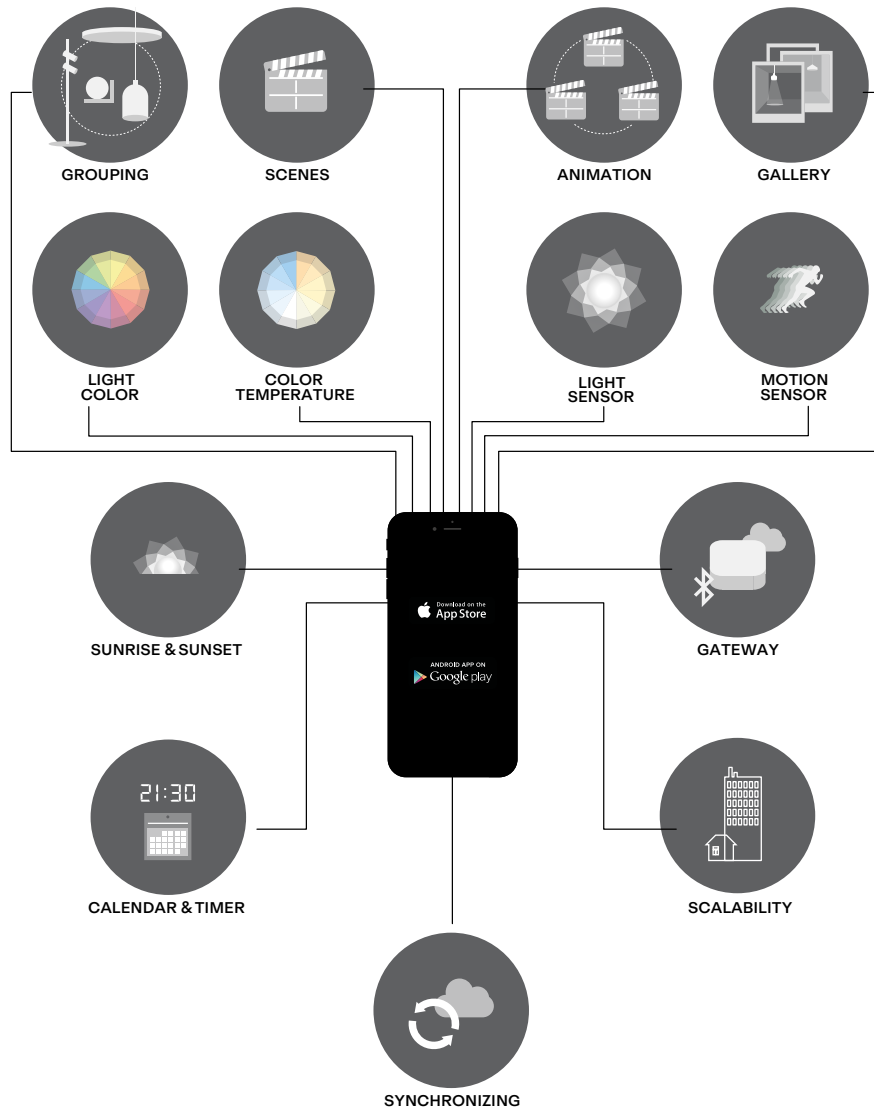
ADAPTABILITY

PERSONALIZATION
FLEXIBILITY
FINISH
Ⓢ **DIMMING**
LIGHTING SCENES



WIRELESS DIMMING

Wireless dimmers offer a wide range of possibilities for smart buildings. **CTRL Delta**, our wireless dimming technology, allows you to integrate a wide range of electrical devices into a wireless network. The lighting can then be **controlled via smartphones, tablets, smart watches, push buttons, switches or the Xpress control panel**. Smart control can even be achieved using existing wall switches without changing the wiring.



EASY TO INSTALL

No need for new wiring, switches, devices or networks. Plug in the luminaire and pair it with your smartphone or tablet. No other configuration is needed.

EASY TO USE

Control your lights with an intuitive, visual user interface on your smartphone, tablet or other smart device.

EASY TO ENJOY

You can adjust the ambiance with a tap on your smartphone. The Casambi App lets you control your luminaires individually or in groups, create scenes, set timers or design animations for a specific occasion.

Lighting Basics.

ADAPTABILITY

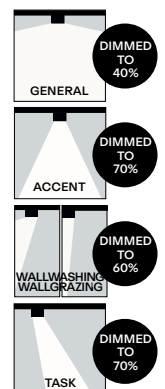
PERSONALIZATION
FLEXIBILITY
FINISH
DIMMING

Ⓢ LIGHTING SCENES

LIGHTING SCENES

Lighting scenes are essential in residential lighting projects as they make it possible to **create dynamic atmospheres that respond to the varying needs of the space and its occupants.** Adjusting light intensity and color temperature allows lighting scenes to align with the natural flow of daily life, enhancing the emotional and functional experience within the home. Through careful mixing of general lighting, accent lighting, task lighting, wallwashing, and wallgrazing, different

lighting effects can be layered to create a range of scenes, each perfectly suited to various times during the day, specific moods or special events. These tailored settings not only foster comfort and well-being but they also elevate the aesthetics of the environment, allowing the space to transition seamlessly between moments of relaxation, productivity and social interaction. Lighting scenes therefore reflect the rhythms of life while promoting both energy efficiency and emotional connection.





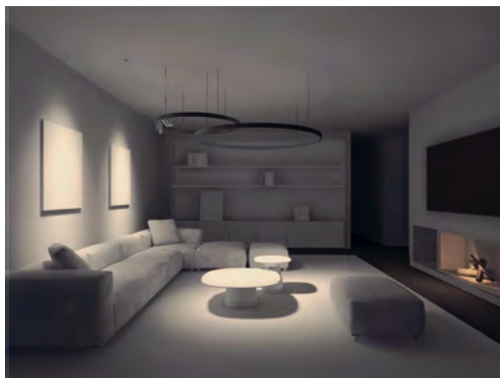
GENERAL LIGHTING

This is the primary source of illumination, ensuring that the room is uniformly lit with no harsh shadows. It is typically achieved using overhead lighting elements such as ceiling-mounted lights or chandeliers. General lighting provides an overall sense of brightness and sets the stage for other lighting layers.



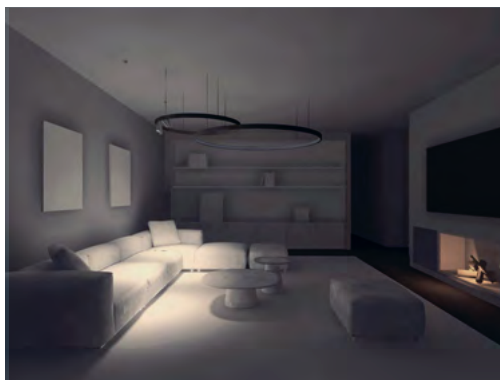
ACCENT LIGHTING FOR WORKS OF ART

Accent lighting is used to highlight key features in the room, such as works of art or decorative objects. Focused light sources, like track lighting or picture lights, are used to draw attention to these elements, adding visual interest and enhancing the room's aesthetic appeal. This type of lighting also creates a sense of depth and texture, enriching the atmosphere of the living room.



TASK LIGHTING FOR READING

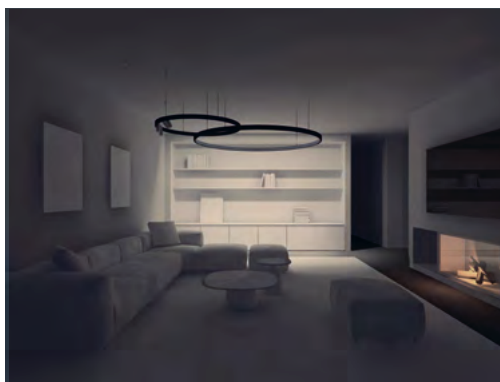
Task lighting focuses on providing adequate illumination for specific activities such as reading or writing. Table lamps, floor lamps, or adjustable reading lights can be positioned to illuminate the reading area directly, ensuring that the space is well lit for detailed tasks. This enhances comfort and minimizes eye strain, making the space practical as well as cozy.



WALLWASHING BACKLIGHT

Wallwashing uses a broad, even light to create uniform illumination of whole vertical surfaces such as a bookcase or shelving units.

It highlights books, ornaments, or other displayed items while avoiding harsh shadows or overexposure. This creates an inviting, cozy atmosphere and emphasizes the room's architecture and design.

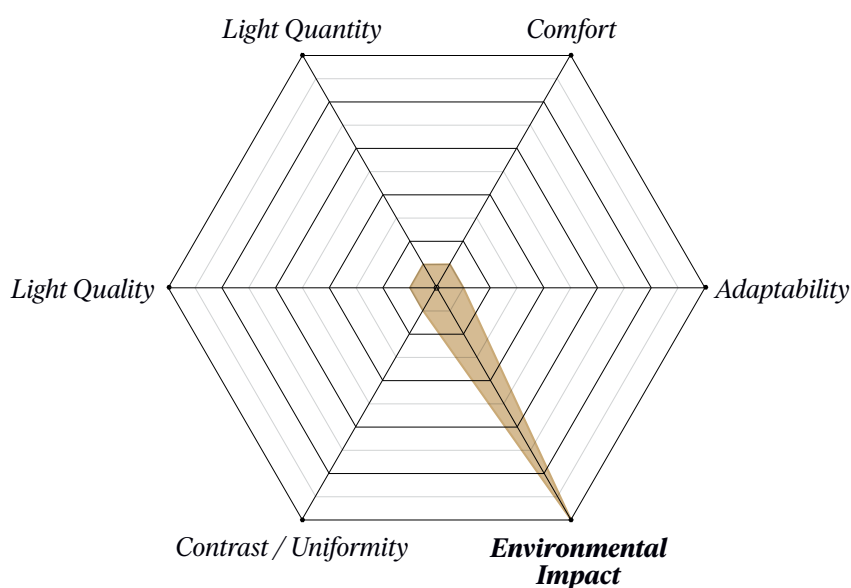


Lighting Basics.

ENVIRONMENTAL IMPACT

⊕ ENERGY SAVING

LIGHTING POWER DENSITY
SMART LIGHTING
GREEN BUILDING



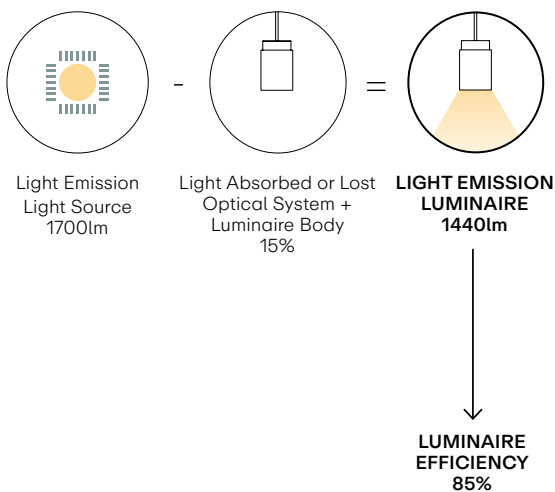
Luminaires with high **luminous efficacy** not only provide benefits such as energy savings and cost reduction, but they are also in line with **sustainability goals and regulatory requirements.**

Carefully chosen lighting solutions can enhance aesthetics while minimizing environmental impact. We believe that great design should never be at the expense of the planet. That is why we are committed to providing energy-efficient lighting solutions.

EFFICIENCY VS EFFICACY

Lighting efficiency and lighting efficacy are related concepts, but they refer to slightly different aspects of lighting systems.

Efficiency looks at the overall performance of the system in converting energy to light, while **efficacy specifically focuses on the ratio of visible light output to electrical power input.**

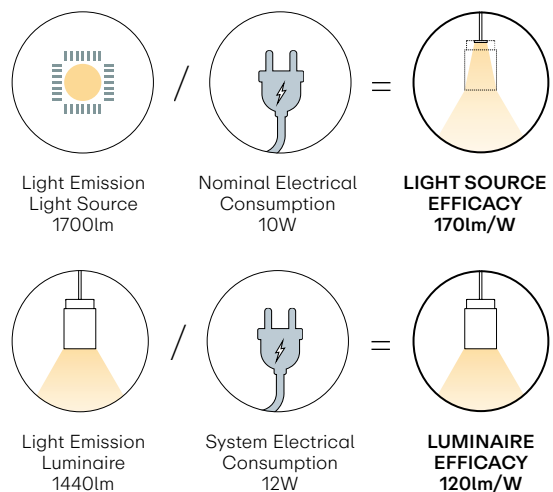


LUMINAIRE EFFICIENCY

(LOR - Light Output Ratio)

This typically refers to the overall performance of a luminaire in converting electrical energy into visible light. It is a measure of how effectively a lighting system utilizes energy to produce light.

That includes factors such as the type of light source (incandescent, fluorescent, LED, etc.), the design of the optical system, and any losses in the system due to heat or other factors. The efficiency is usually **expressed as a percentage**, with higher percentages indicating a more efficient use of energy.



LUMINAIRE EFFICACY

This measures the amount of visible light produced by a luminaire for a given amount of electrical power input. It is a measure of how efficiently a light system converts electrical energy into visible light output.

Lighting efficacy is typically **expressed in lumens per watt (lm/W)**, with lumens representing the amount of visible light produced, and watts representing the electrical power input. Higher efficacy values indicate that a lighting system produces more light output per unit of electrical power consumed, making it more energy efficient.

Lighting Basics.

ENVIRONMENTAL IMPACT

③ ENERGY SAVING

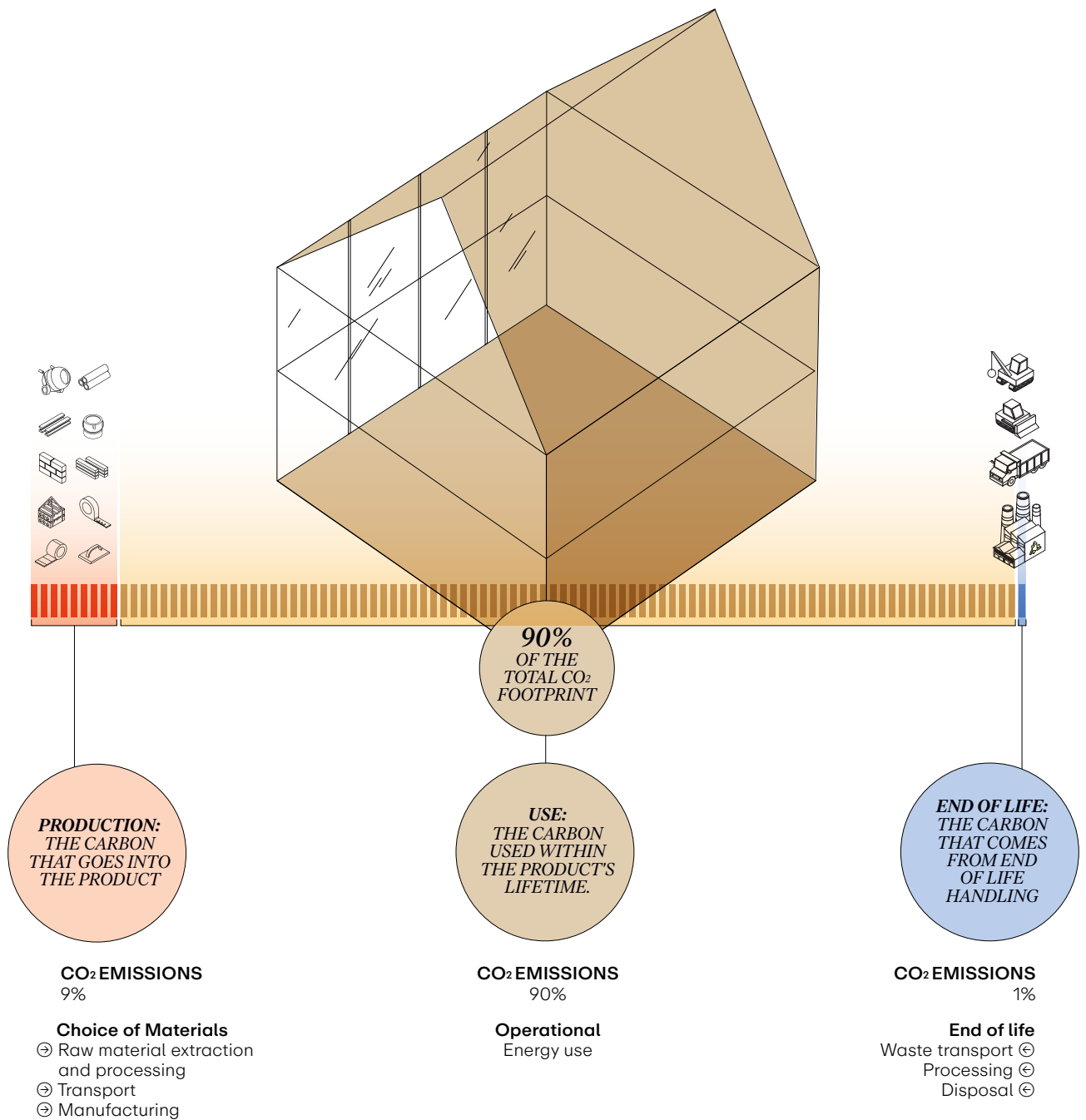
LIGHTING POWER DENSITY
SMART LIGHTING
GREEN BUILDING

REDUCING ENERGY AND ENVIRONMENTAL IMPACT

Given the significant impact of lighting on the energy consumption in a home, it is essential to consider its efficiency over the long-term.

**More than 90% of a luminaire's
environmental footprint comes from
the energy it consumes.**

Stages in the life cycle of an LED luminaire.



Lighting Basics.

ENVIRONMENTAL IMPACT

⊕ ENERGY SAVING

LIGHTING POWER DENSITY
SMART LIGHTING
GREEN BUILDING

THE IMPORTANCE OF THE LIGHT SOURCE

A well-designed LED system can reduce a household's energy consumption by up to 80% compared to traditional incandescent lighting.

However, not all LEDs are created equal.

The chart comparing different luminaires highlights differences in efficiency:

Integration of LED COBs makes lighting design more efficient, reducing energy demand and CO² emissions without compromising brightness or quality.

A key advantage is their ability to operate at a lower electrical current, reducing power consumption and minimizing heat absorption.

By maintaining a lower temperature, the LED sustains high efficiency and light output over time without significant degradation, ensuring consistent performance throughout its lifespan.

High-efficiency LED COBs take this one step further, achieving optimal lighting performance with an even lower power consumption.



DEEP RINGO HE

COMING SOON



ENTERO HE

COMING SOON



BOXY HE

COMING SOON



SPY HE

COMING SOON

				
LIGHTING SOURCE	INCANDESCENT LAMP	LED BULB	LED COB	LED COB HE
POWER	75W	8W	8.6W	6W
LUMINOUS FLUX	1050lm	870lm	1089lm	945lm
LUMINOUS EFFICACY	14lm/W	105lm/W	127lm/W	157lm/W
LIFETIME	1000h	25000h	50000h	50000h
Color RENDERING	CRI 100	CRI 80	CRI 90	CRI 90
SDCM	1	3-5	1	2

Lighting Basics.

ENVIRONMENTAL IMPACT

ENERGY SAVING
⊕ LIGHTING POWER DENSITY
SMART LIGHTING
GREEN BUILDING

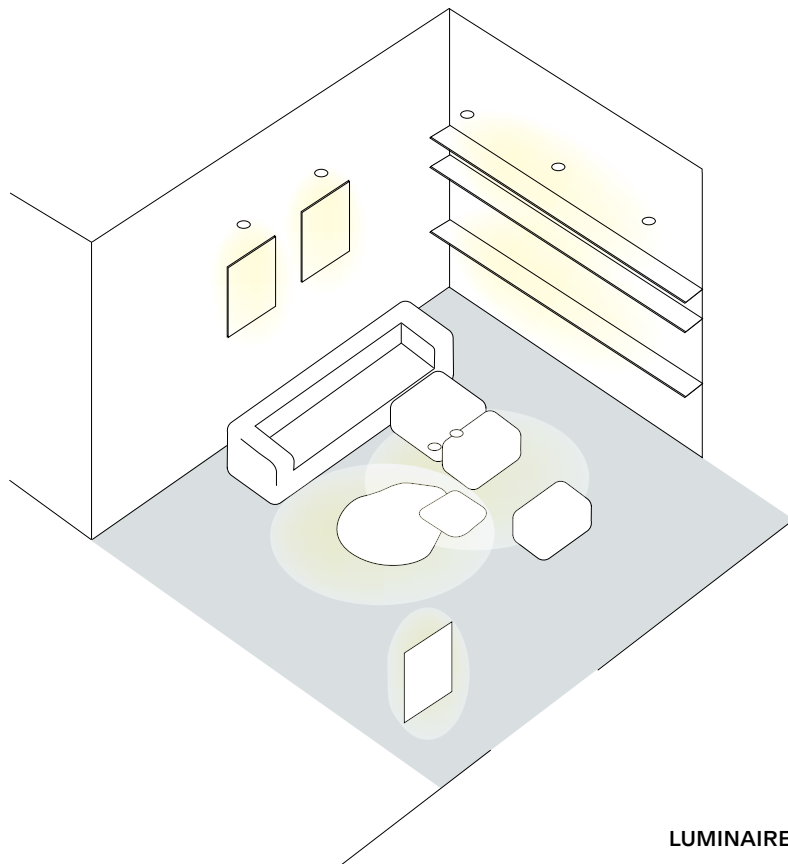


LIGHTING POWER DENSITY (LPD)

Lighting Power Density (LPD) is **a measure of the electrical power used by a lighting system per unit area**. It is an important parameter for the design and evaluation of lighting systems in a building because it is directly related to energy consumption and efficiency. It is usually **expressed in watts / square meter (W/m²) or watts per square foot (W/ft²)**. Lower LPD values indicate more energy-efficient lighting systems.

More and more building codes and standards (such as the International Energy Conservation Code (IECC) and ASHRAE Standard 90.1) are now specifying maximum allowable LPD values for different types of space. These standards help to ensure that buildings use energy efficiently.

$$\text{LIGHTING POWER DENSITY} = \frac{\text{Luminaire Power Load}}{\text{Area}}$$



HOW TO ACHIEVE LOW LPD VALUES

- ③ Selecting luminaires equipped with optical systems that have high luminous efficacy (lm/W).
- ③ Adopting accent lighting in place of general lighting improves efficiency and visual focus by directing light only where it is needed, minimizing unnecessary illumination of non-essential areas and reducing energy consumption.

$$\text{LIGHTING POWER DENSITY} = \frac{50\text{W}}{269\text{ ft}^2} = 0.19\text{W/ft}^2$$

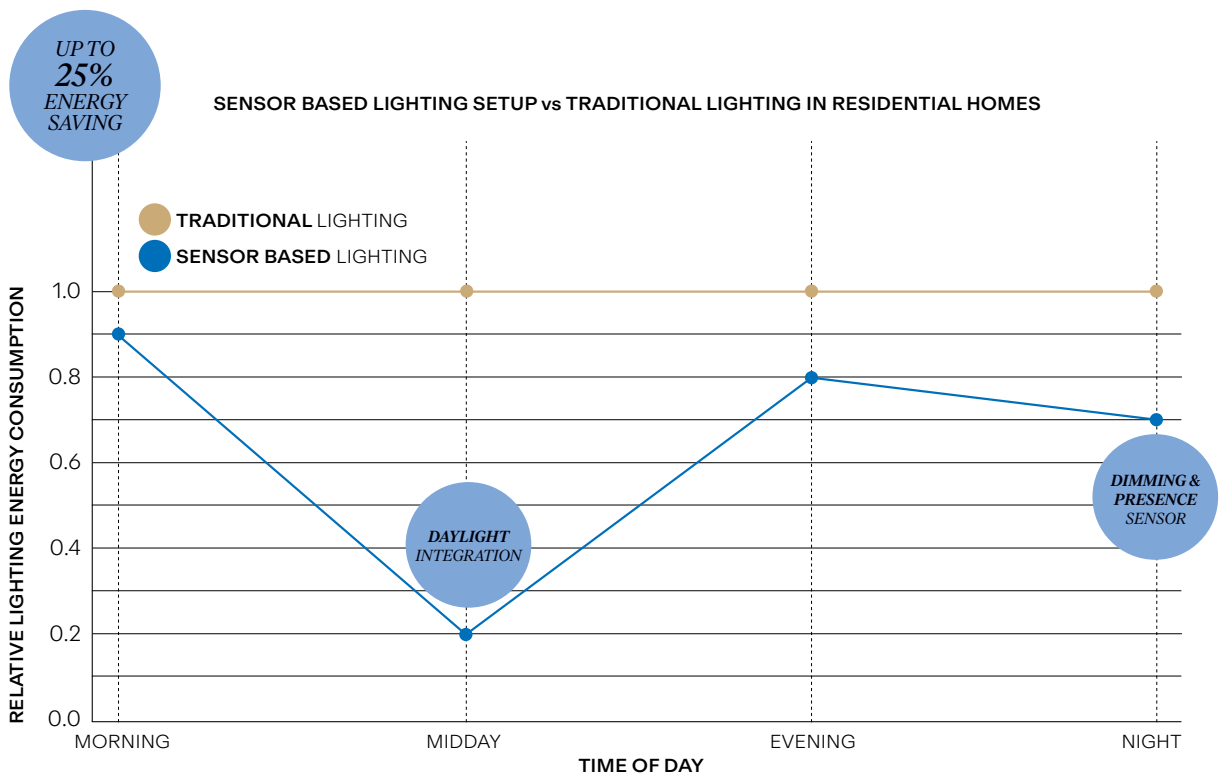
Lighting Basics.

ENVIRONMENTAL IMPACT

- ENERGY SAVING
- LIGHTING POWER DENSITY
- ⊕ **SMART LIGHTING**
- GREEN BUILDING

SMART LIGHTING

Lighting technology is evolving to meet the demands of consumer comfort and sustainability, with new solutions to improve both energy efficiency and the user experience. The integration of intelligent features can contribute an additional 10–20% in energy savings, making lighting both smarter and more sustainable.





PRESENCE SENSOR

This sensor determines whether specific rooms or areas within the home are currently being used.

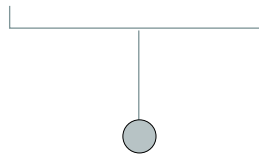
This information is sent to the lighting control system, which **turns on the light when someone enters a room or turn it off when it is vacant**, reducing energy wastage in unoccupied spaces to optimize energy usage.



DAYLIGHT SENSOR

Incorporating sensors that measure the amount of natural light entering the home allows us to **adjust the indoor lighting level in each area based on the available daylight**.

We can reduce energy consumption while maintaining appropriate lighting levels for every task.



DELTALIGHT PRESENCE AND DAYLIGHT SENSOR

A DALI sensor in one of our systems provides light control based on motion detection and light levels.

For example, you can decide how much light you want to have above a table. The DALI sensor will then automatically adjust the light intensity of the lighting modules during the course of a day without you having to do anything beyond the initial setup.



Lighting Basics.

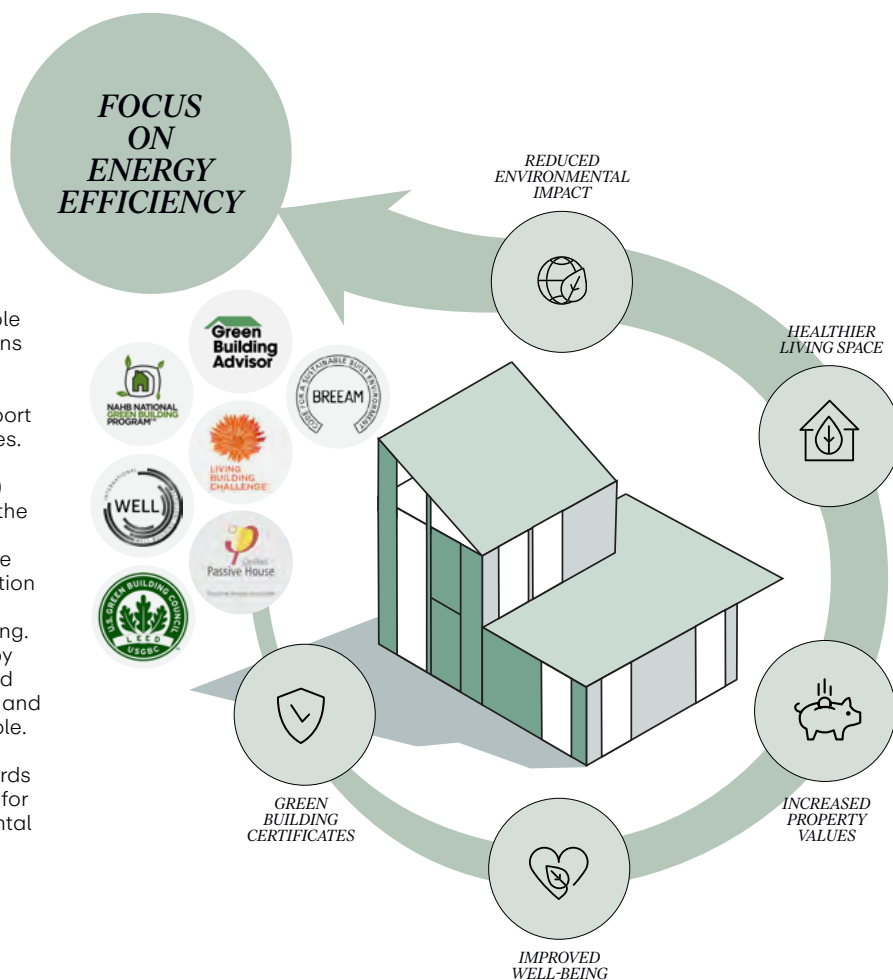
ENVIRONMENTAL IMPACT

ENERGY SAVING
LIGHTING POWER DENSITY
SMART LIGHTING

🕒 GREEN BUILDING

HOW GREEN BUILDING CERTIFICATIONS AND STANDARDS ADDRESS SUSTAINABILITY GOALS

As the demand for sustainable architecture grows, regulations around lighting and energy efficiency are evolving throughout the world to support sustainable building practices. The EU Energy Performance of Buildings Directive (EPBD) and recommendations from the International Energy Agency (IEA) highlight the importance of reducing energy consumption and improving building performance, including lighting. While regulations may vary by region, the global shift toward sustainability in architecture and design is clear and undeniable. Green building certifications enhance sustainable standards by setting clear benchmarks for energy efficiency, environmental responsibility, and occupant well-being.



ENVIRONMENTAL PRODUCT DECLARATION (EPD)

EPDs play an important role in assessing the sustainability of building projects by providing transparent, third-party verified data on a **product's environmental impact throughout its life cycle** - from raw material extraction and production to use and disposal.

By disclosing vital information such as carbon footprint, energy consumption, and recyclability, EPDs significantly help to reduce waste and improve both energy efficiency and environmental responsibility.

Since 2024, Deltalight has been actively certifying its products with EPDs and is steadily progressing toward achieving certification for its entire product catalog. This ongoing commitment not only underlines Deltalight's dedication to sustainability and transparency but also helps architects, designers, and builders seeking to meet stringent green building standards while minimizing the environmental impact of their projects.



Green building certifications promote sustainable development, improve indoor environmental quality, save money, improve market competitiveness, and align with broader aims.

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AREAS.

List of Residential Areas.

Core

BEDROOM

WALK-IN WARDROBE

BATHROOM

STUDIO

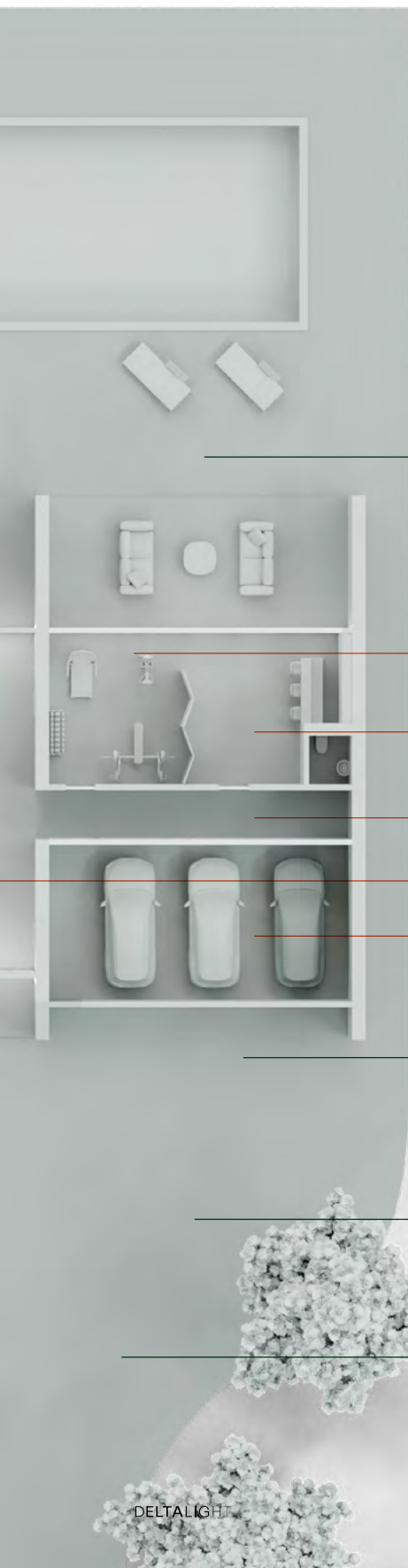
KITCHEN

ENTRANCE / CIRCULATION

LIVING ROOM

DINING ROOM





Signature

GYM

BAR

ART COLLECTION

CINEMA

GARAGE

Outdoor

FACADE

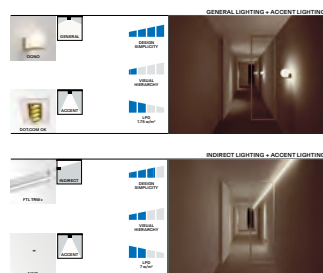
PORCH / PATIO / TERRACE

GARDEN

PATH

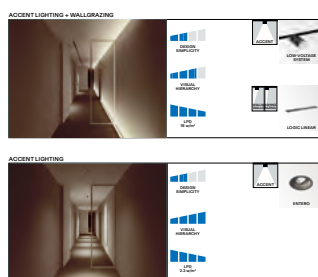
Residential Areas Core

ENTRANCE
CIRCULATION AREAS
STAIRCASE



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RESIDENTIAL LIGHTING | A guide to comfort



111

2. TYPES OF LIGHTING

Four distinctive concepts are set out here from among the many lighting possibilities, each evoking a different mood and atmosphere.

These examples illustrate how individual spaces can be shaped and perceived in unique ways on the basis of three key parameters:

- ② Design Simplicity
- ③ Visual Hierarchy
- ③ Lighting Power Density

By balancing these elements, each lighting approach highlights ways in which thoughtful design can transform the experience of a room.

DESIGN SIMPLICITY

Lighting design can be approached in a purely functional way, using luminaires that are straightforward to position within a layout and easy to install. However, simplicity does not preclude creativity. More intricate, visually engaging compositions can also be achieved. In these cases, lighting elements transcend their functional role and become an integral part of the architectural expression.

VISUAL HIERARCHY

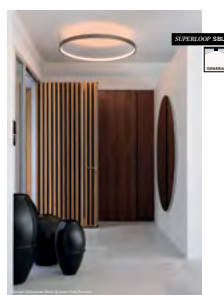
Different lighting techniques can be used to create contrasting visual effects within a space. Low Visual Hierarchy relies on general, diffused lighting that offers high uniformity—treating all elements equally. The result is balanced, even illumination, which may often be perceived as flat and lacking depth. High Visual Hierarchy, on the other hand, uses more contrast and directional lighting to emphasise individual elements. This approach adds depth and dimension, guiding the eye and establishing a clear visual order across the space.

LPD (LIGHTING POWER DENSITY)

Combining different types of lighting - ranging from general to accent lighting, or a blend of both - will inevitably mean using fittings with varying levels of electrical consumption. Lighting Power Density (LPD), which measures the electrical power used by a lighting system per unit area, becomes a key parameter in both the design and assessment of lighting schemes. It offers a clear indication of energy consumption and efficiency, making it essential for creating sustainable, performance-driven lighting solutions.

Residential Areas Core

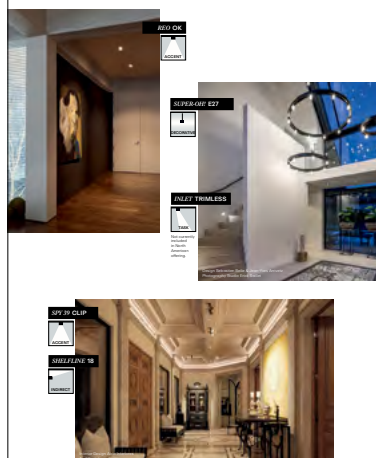
ENTRANCE



The illumination of the entrance area in a residential space is crucial to create a welcoming, comfortable, and functional environment for residents and visitors.

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RESIDENTIAL LIGHTING | A guide to comfort



113

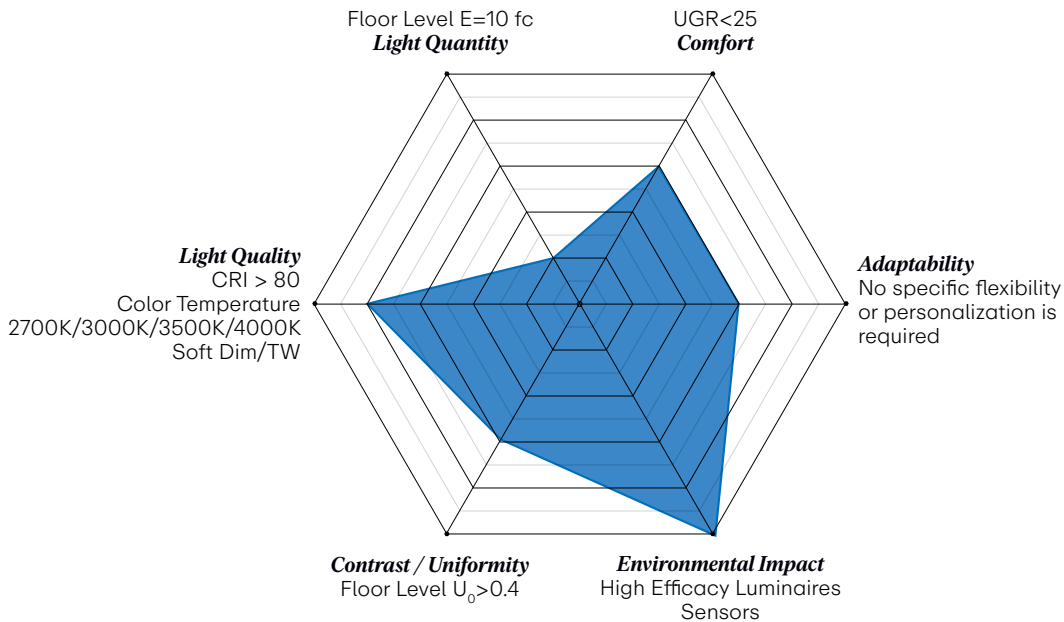
3. REFERENCE PROJECTS

In these pages, we show how the four types of lighting can be brought to life using our lighting elements, illustrating how they are used in real spaces and design contexts.

Residential Areas

Core

ENTRANCE
CIRCULATION AREAS
STAIRCASE



Lighting in entrance, circulation, and staircase areas has a key role in both functional and aesthetic terms. It helps people to move around safely and find their way, also helping to create a welcoming and cohesive atmosphere. Thoughtfully designed lighting in these transitional zones can create a bridge between outdoor and indoor spaces while also drawing attention to architectural and design features.

ENTRANCE

The entrance is where a home makes its first impression, and the lighting

sets the tone. A well-lit entrance improves safety, improves visibility for access control, and creates an inviting ambiance. Layered lighting can highlight materials, textures, and landscape elements, offering both functional illumination and a sense of arrival.

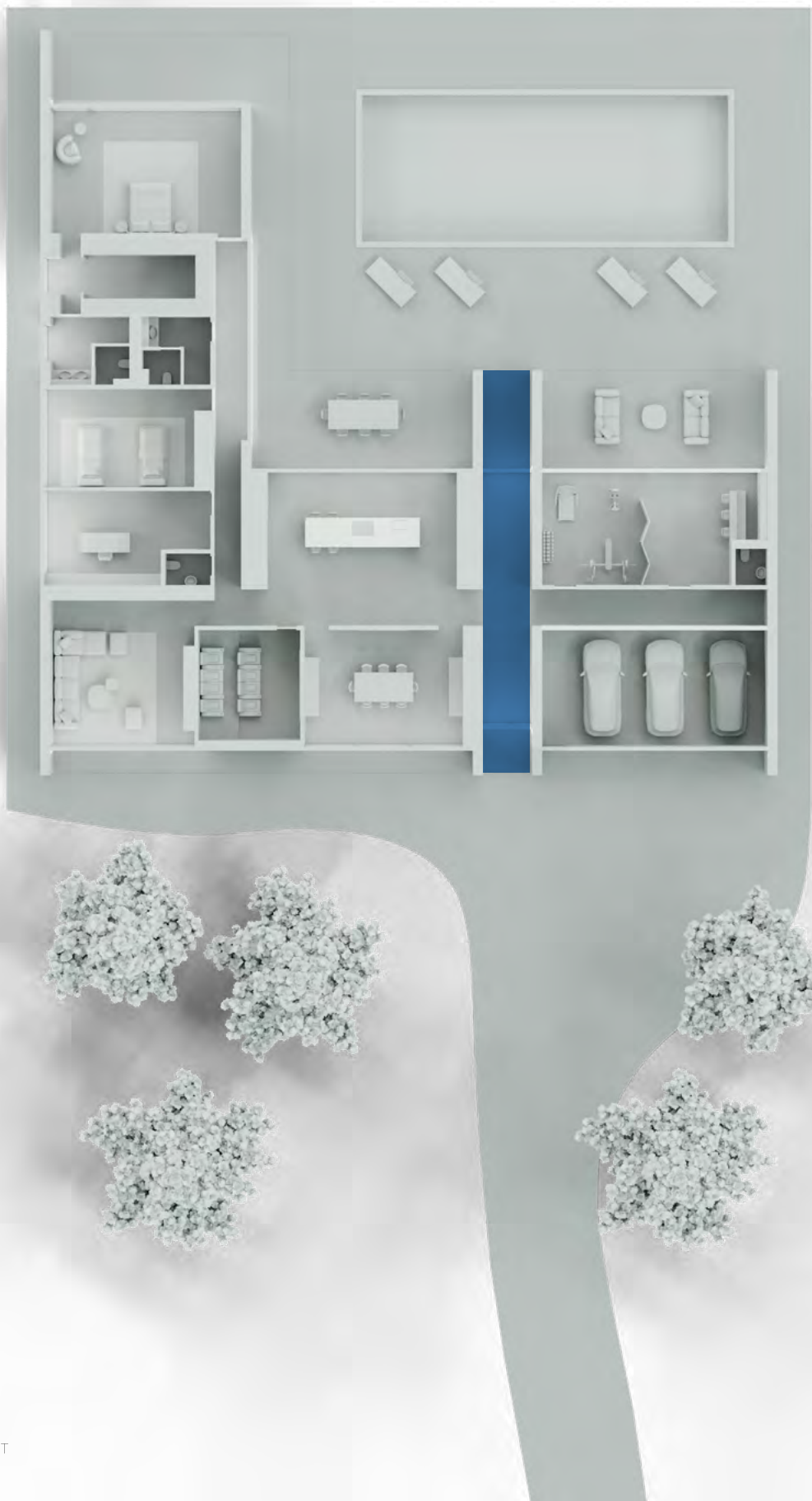
CIRCULATION AREAS

Corridors and passageways require lighting that is both efficient and discreet. Uniform, glare-free illumination ensures safe movement throughout the home, while accent lighting can highlight design features

or works of art. Lighting continuity in these areas supports a smooth spatial flow and a visually balanced experience of the interior.

STAIRCASE

Staircase lighting is essential for safety, orientation, and spatial perception. Carefully positioned lighting enhances step visibility, reduces the risk of accidents, and subtly reinforces the architectural rhythm and materiality of the staircase, transforming it into a sculptural element within the home.



Residential Areas

Core

ENTRANCE
CIRCULATION AREAS
STAIRCASE

GENERAL LIGHTING + ACCENT LIGHTING



OONO



GENERAL



DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.16 W/ft²



INDIRECT LIGHTING + ACCENT LIGHTING



FTL TRW+



INDIRECT



DESIGN
SIMPLICITY



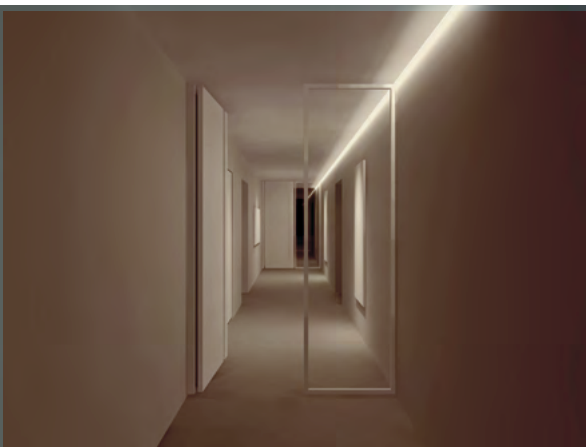
VISUAL
HIERARCHY



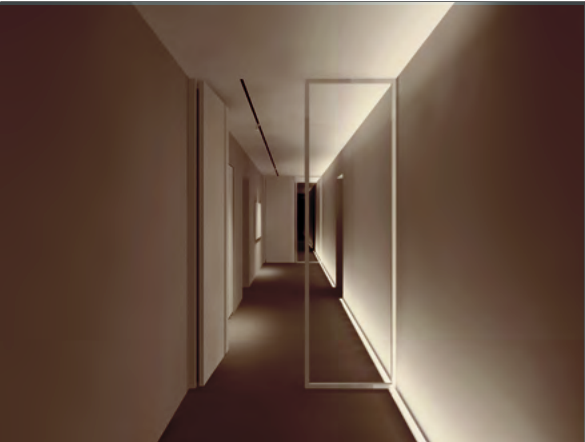
LPD
0.65 W/ft²



NIME



ACCENT LIGHTING + WALLGRAZING





DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
1.67 W/ft²



ACCENT



LOW-VOLTAGE
SYSTEM

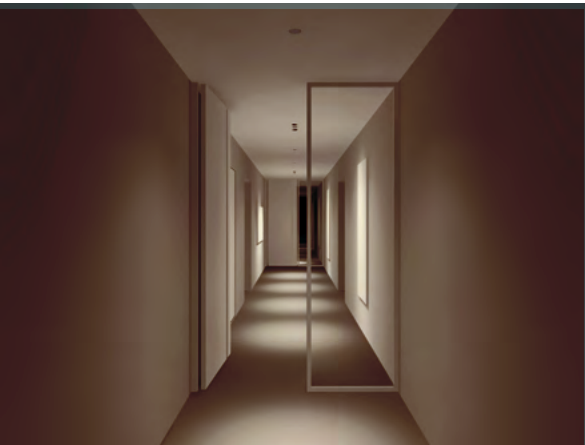


WALLWASHING
WALLGRAZING



LOGIC LINEAR

ACCENT LIGHTING





DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.21 W/ft²



ACCENT

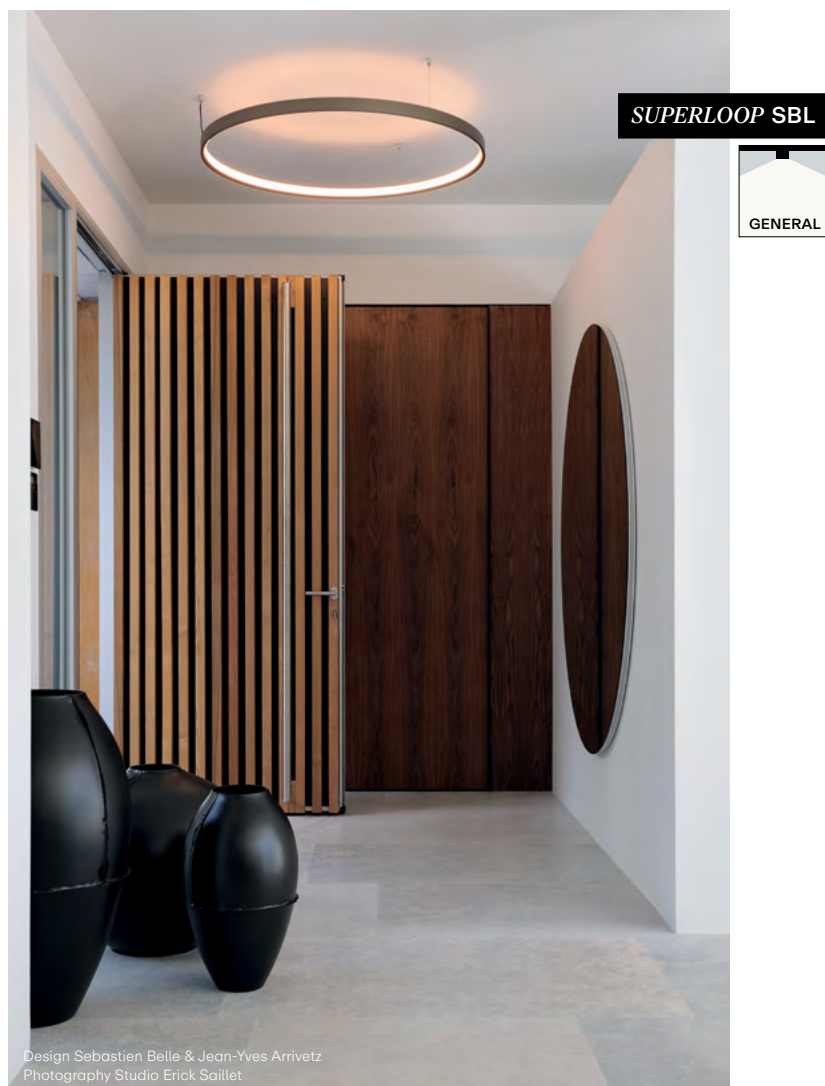


ENTERO

Residential Areas

Core

ENTRANCE



The illumination of the entrance area in a residential space is crucial to create a welcoming, comfortable, and functional environment for residents and visitors.



REO OK



SUPER-OH! E27



HELI



Design Sebastian Belle & Jean-Yves Arrivetz
Photography Studio Erick Saillet

SPY 39 CLIP



SHELFLINE 18

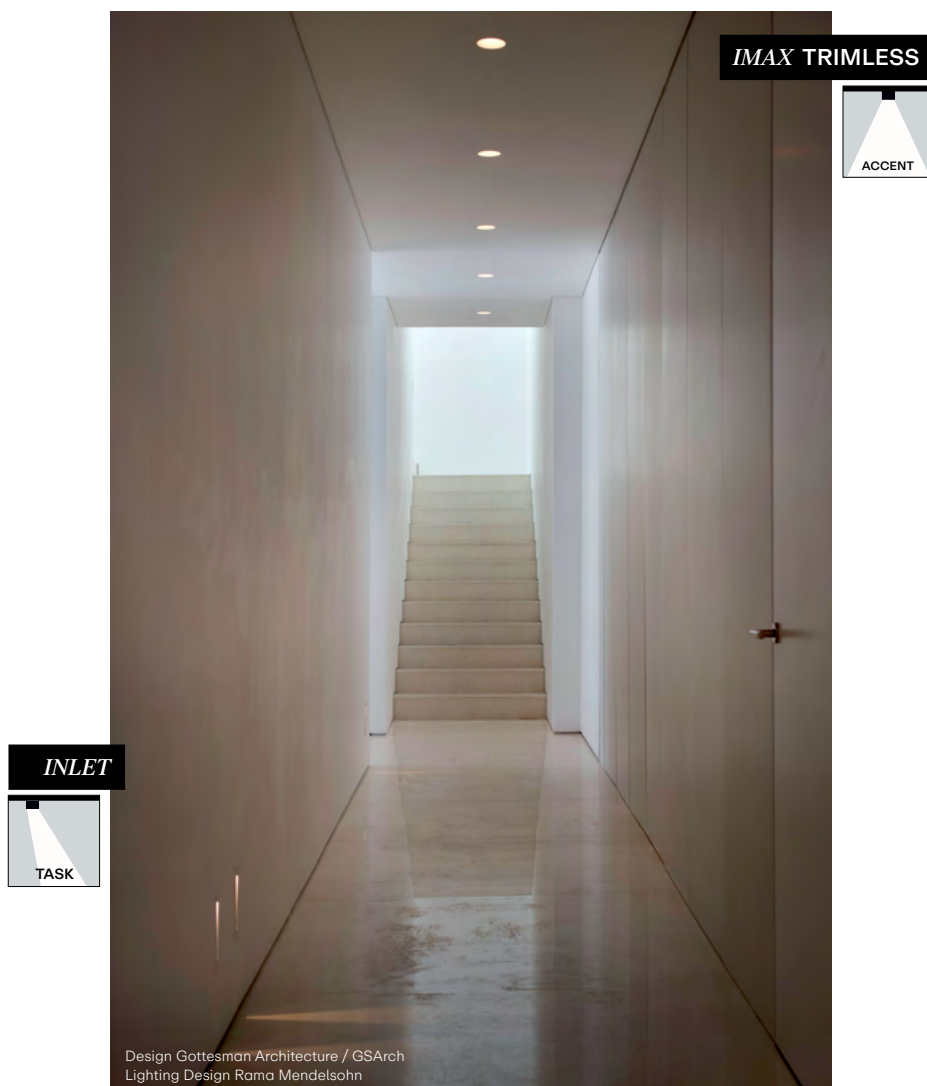


Interior Design Atrio Interiores
Architect Jorge Loyzaga

Residential Areas

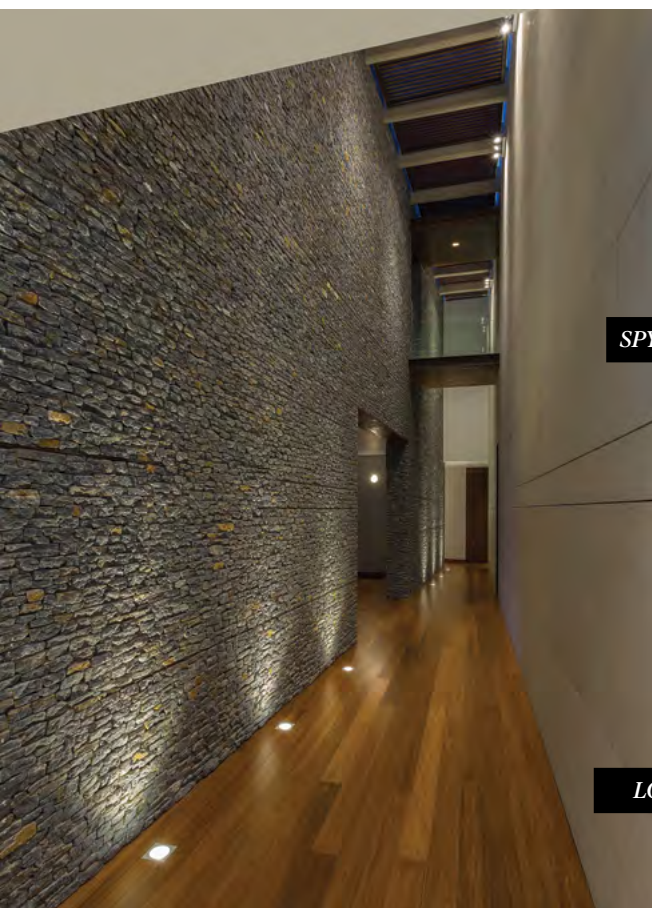
Core

CIRCULATION AREAS



A thoughtfully illuminated and visually harmonious circulation area helps to create a comfortable environment and makes a positive impression on visitors.

FTL 35 F HE TRW+



SPY 39 CLIP



LOGIC 90



WANT-IT



Not currently included in North American offering.

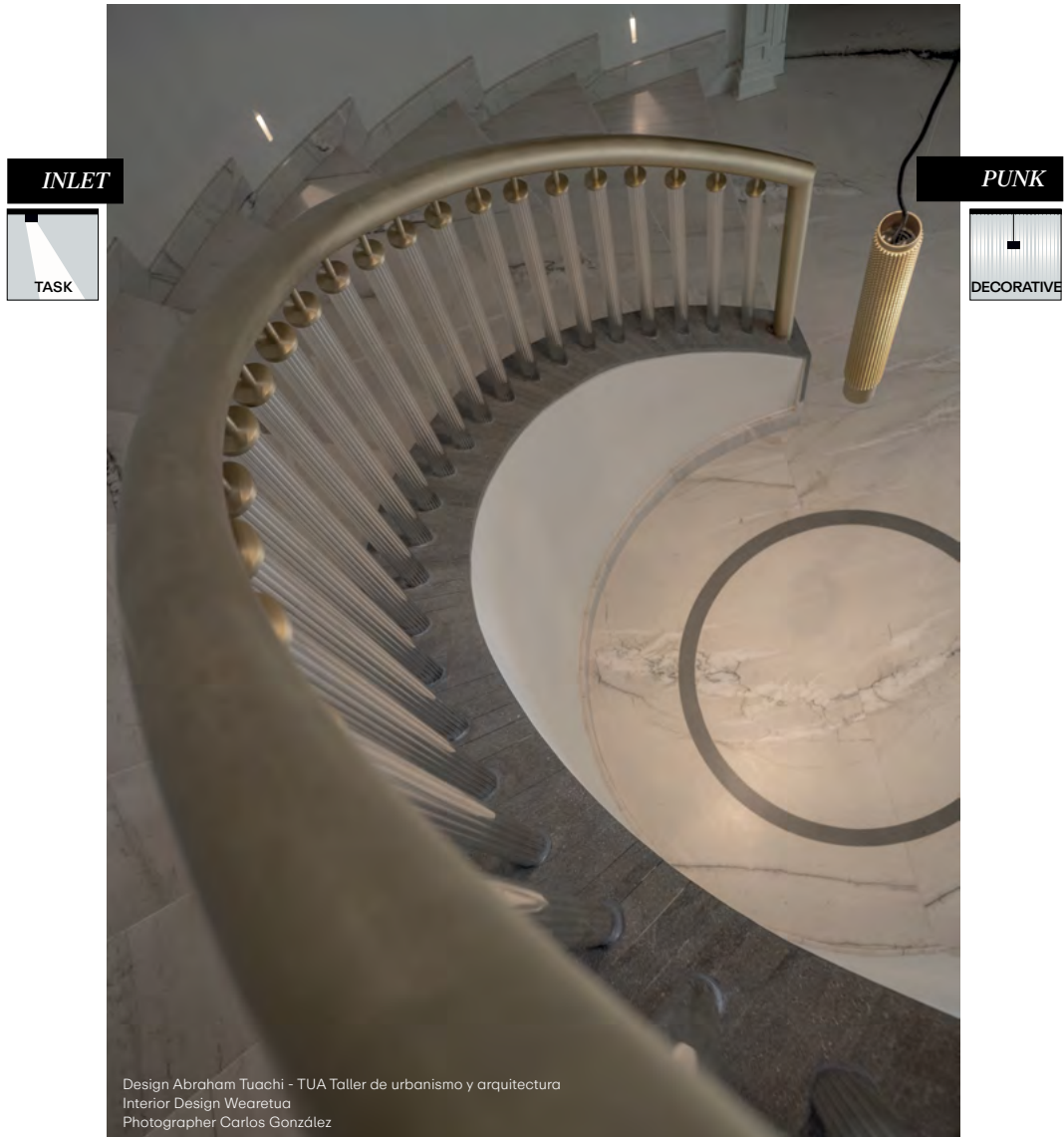
DOT.COM



Residential Areas

Core

STAIRCASE



A well-lit, safe, and visually integrated staircase enhances comfort, helps people to move around safely, and elevates the architectural character of the home.



SOIREE



MONTUR



Design TrainM



SPM20 + DOT.COM



INLET

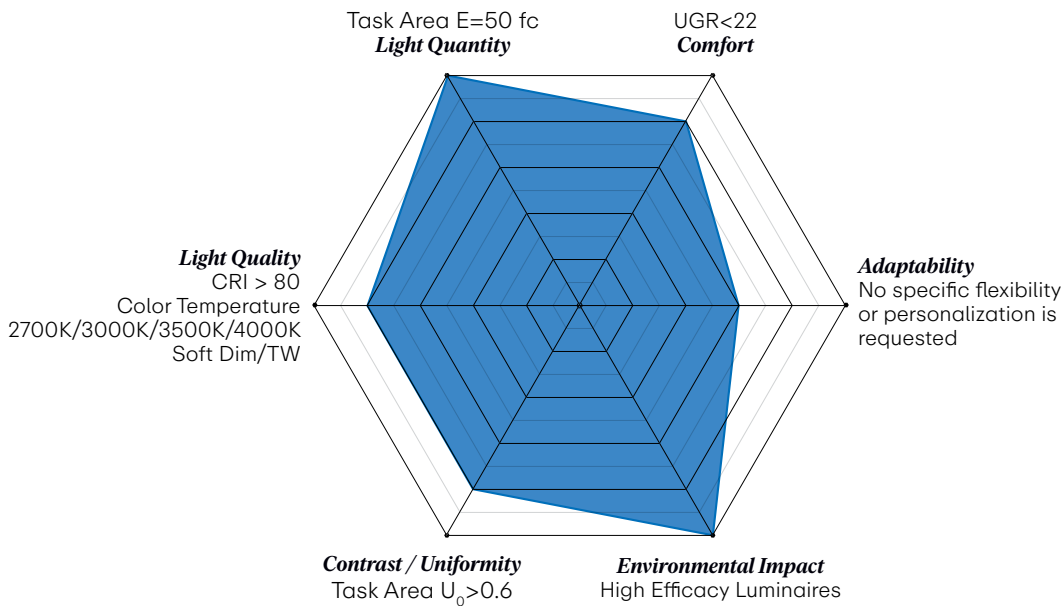


Design C+O Architects & Designers
Photography Alin Constantin Photography

Residential Areas

Core

KITCHEN



KITCHEN

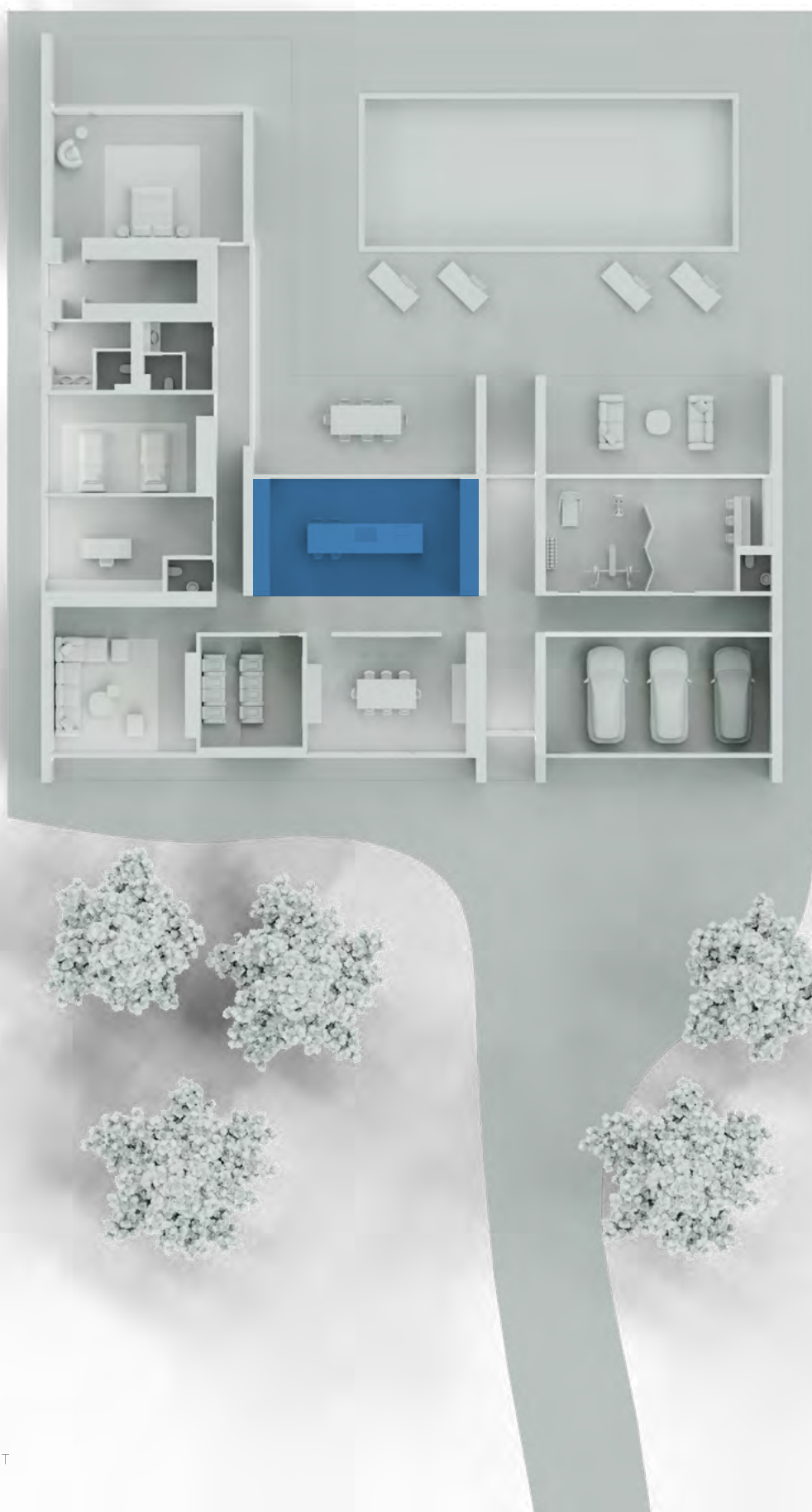
In a residential environment, the illumination of the kitchen area plays a vital role in ensuring its functionality, safety, efficiency, and aesthetic appeal. A well-planned lighting scheme that incorporates multiple layers of illumination, general and accent lighting, provides the brightness needed for various activities such as food preparation,

cooking, and cleaning while enhancing the overall visual appeal of the space.

General lighting establishes a well-distributed level of brightness, ensuring that the entire kitchen remains well-lit and comfortable for everyday use. Accent lighting adds depth, highlights design elements, and enhances the aesthetic quality of the

kitchen, helping to create a warm and inviting atmosphere that seamlessly blends style with practicality.

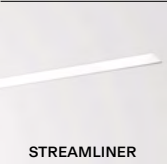
Combining general and accent lighting creates balanced illumination that minimizes shadows and glare, enhancing visibility and precision for detailed kitchen tasks such as chopping, measuring, and reading recipes.



Residential Areas

Core

KITCHEN



STREAMLINER



GENERAL



DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.60 W/ft²



GENERAL LIGHTING



OBIN



ACCENT



DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.31 W/ft²



ACCENT LIGHTING + WALLWASHING



ENTERO
WALLWASHING



WALLWASHING
WALLGRAZING

ACCENT LIGHTING + WALLWASHING





DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.48 W/ft²



ACCENT



LASS-OH



WALLWASHING
WALLGRAZING



DOT.COM
WALLWASHING

ACCENT LIGHTING





DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.23 W/ft²



ACCENT



JUM-OH



GENERAL

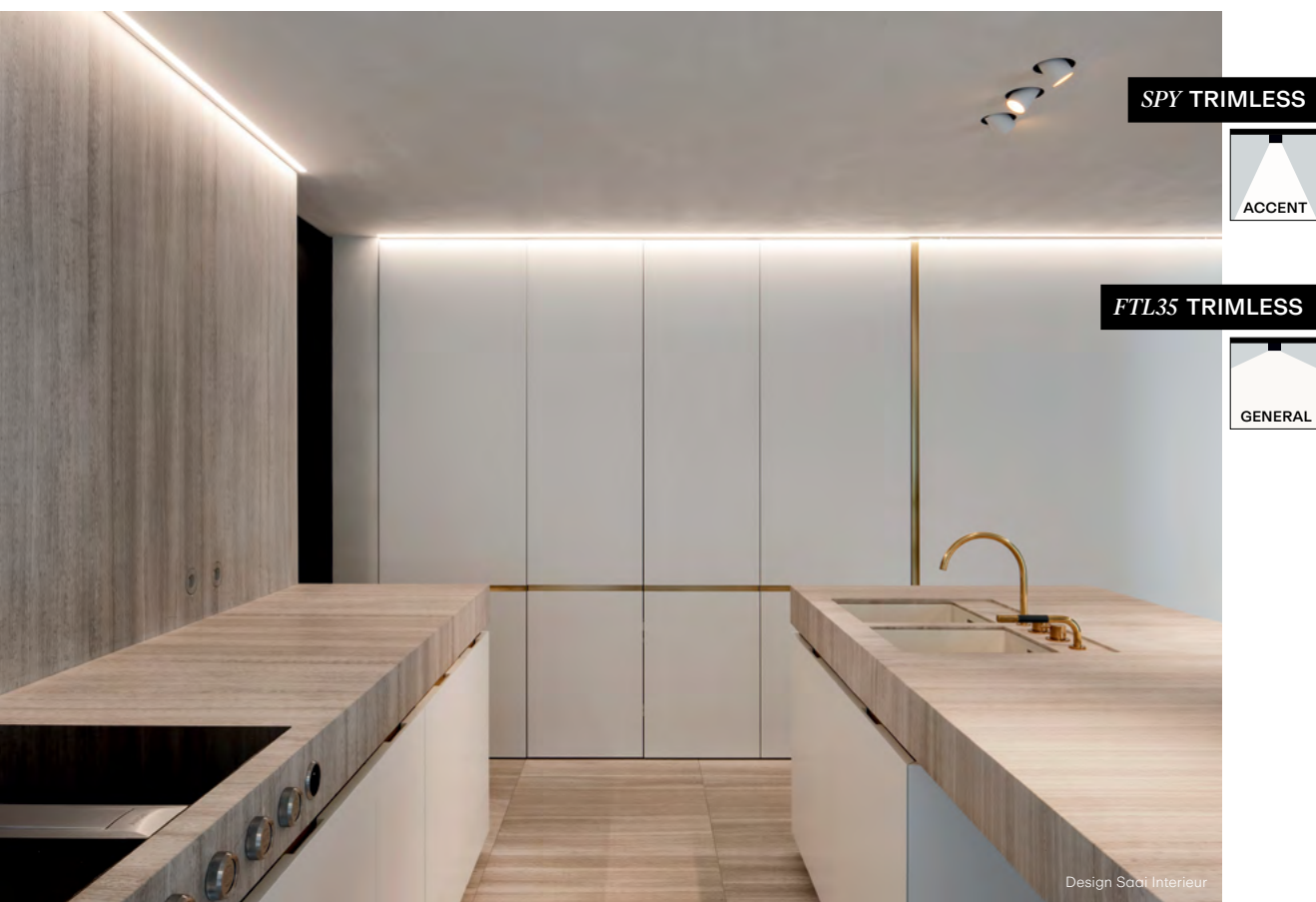


CUPPA

Residential Areas

Core

KITCHEN



Good lighting in a kitchen transforms cooking into a joyful, safe, and inspiring experience.



SLM26H + SPY39



SHELFLINE 18



MULTINOVA



FTL25 TP



TAGLINE ON



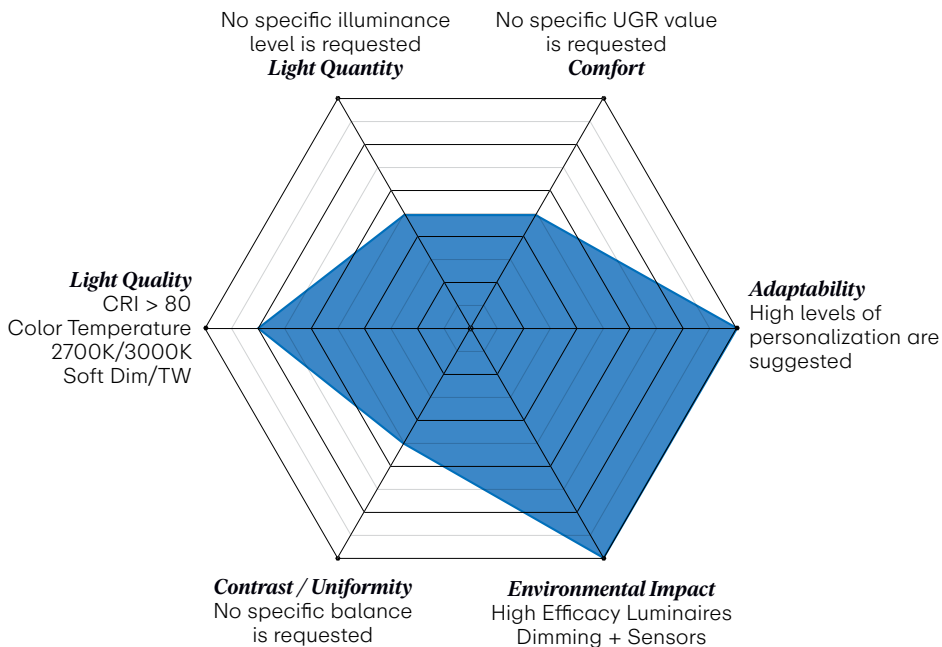
ORBIT



Residential Areas

Core

DINING ROOM



In a residential setting, dining room lighting goes beyond functionality: it becomes a tool to create atmosphere, evoke emotions, and enhance the room as an architectural space.

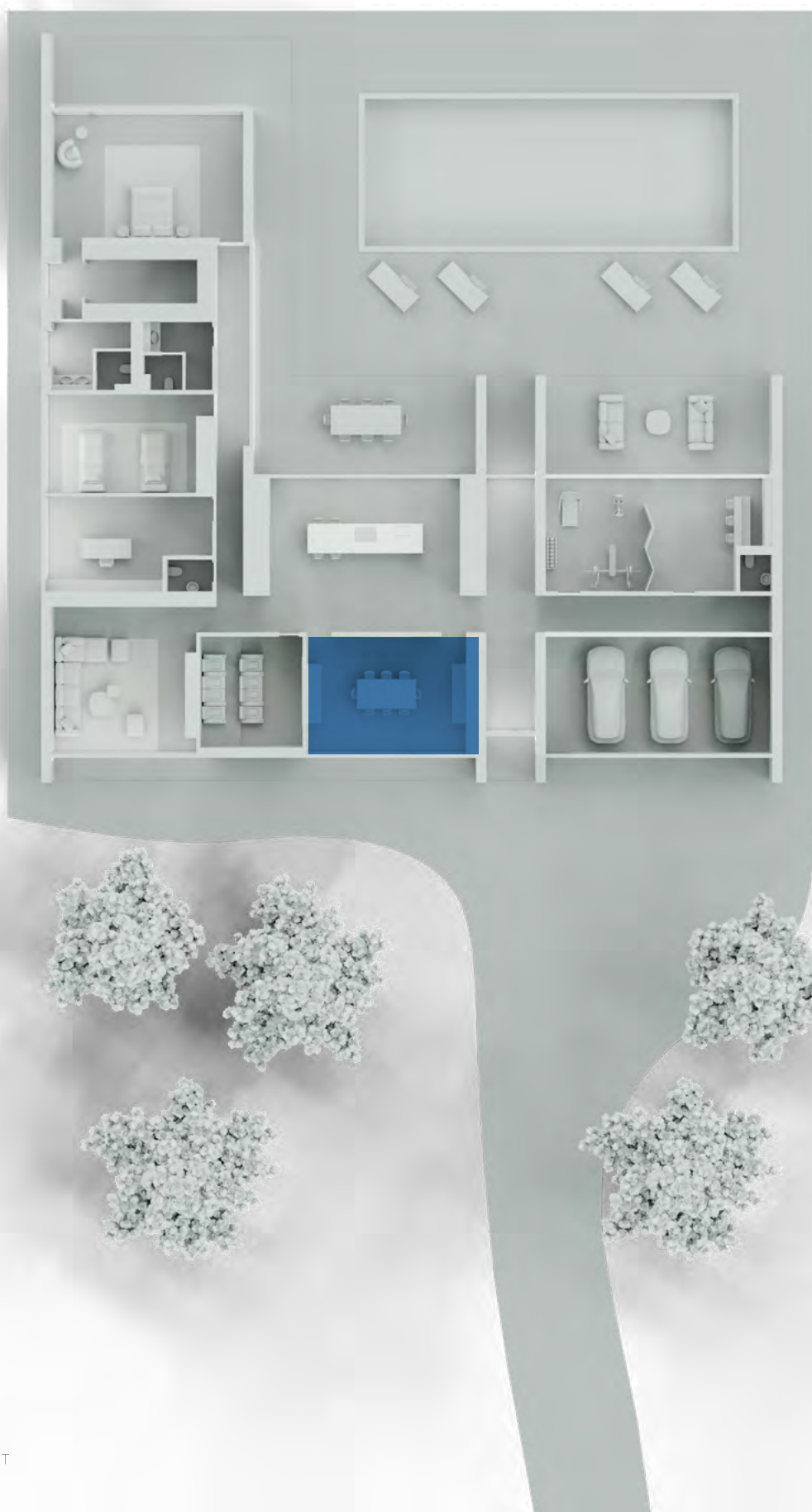
In this environment intended for socializing, light helps to define the space's identity and supports the

social dimension of life by honoring the ritual and celebrating the act of gathering.

General and accent lighting work together to create both functional and evocative environments. General lighting ensures comfort and visual uniformity for everyday use, while accent lighting can highlight works

of art, materials, and decorative details.

The right balance and layering of general and accent lighting allow for a high level of flexibility, adapting the space for different occasions, from everyday suppers to more formal occasions, making it suitable both for convivial gatherings and more intimate situations.

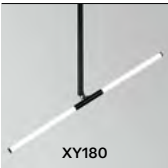


Residential Areas

Core

DINING ROOM

GENERAL LIGHTING



XY180



GENERAL



DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.36 W/ft²



INDIRECT LIGHTING + ACCENT LIGHTING



SPY



INDIRECT



CUPPA



DECORATIVE



SPLIT-IT PRO



ACCENT



DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.60 W/ft²



INDIRECT LIGHTING + WALLWASHING + ACCENT LIGHTING





DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.23 W/ft²



ACCENT



WALLWASHING
WALLGRAZING



INDIRECT



NIME + NIME
WALLWASHING



SHELFLINE

COMING SOON

INDIRECT LIGHTING + DECORATIVE LIGHTING





DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.36 W/ft²



INDIRECT



DECORATIVE



GALA 215



TABLE LAMP

COMING SOON

Not currently included in North American offering.

Residential Areas

Core

DINING ROOM



*In the dining room, light doesn't just reveal.
It invites, gathers, and gives shape
to the ritual of coming together.*

GIBBO



SLM26H + SPY 39



SHELFINE 18



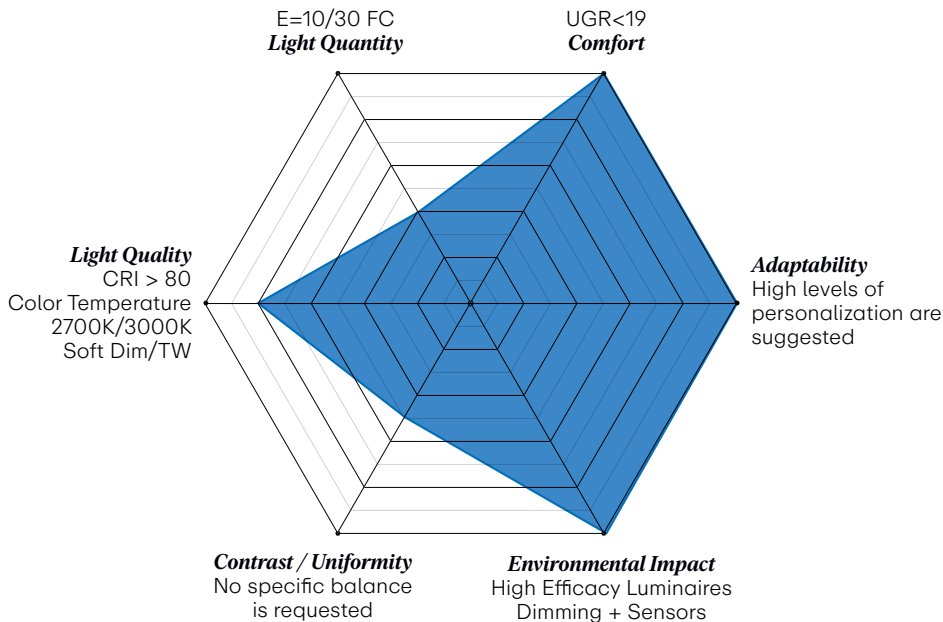
Design Sebastien Belle & Jean-Yves Arrivetz
Photography Studio Erick Salliet



Residential Areas

Core

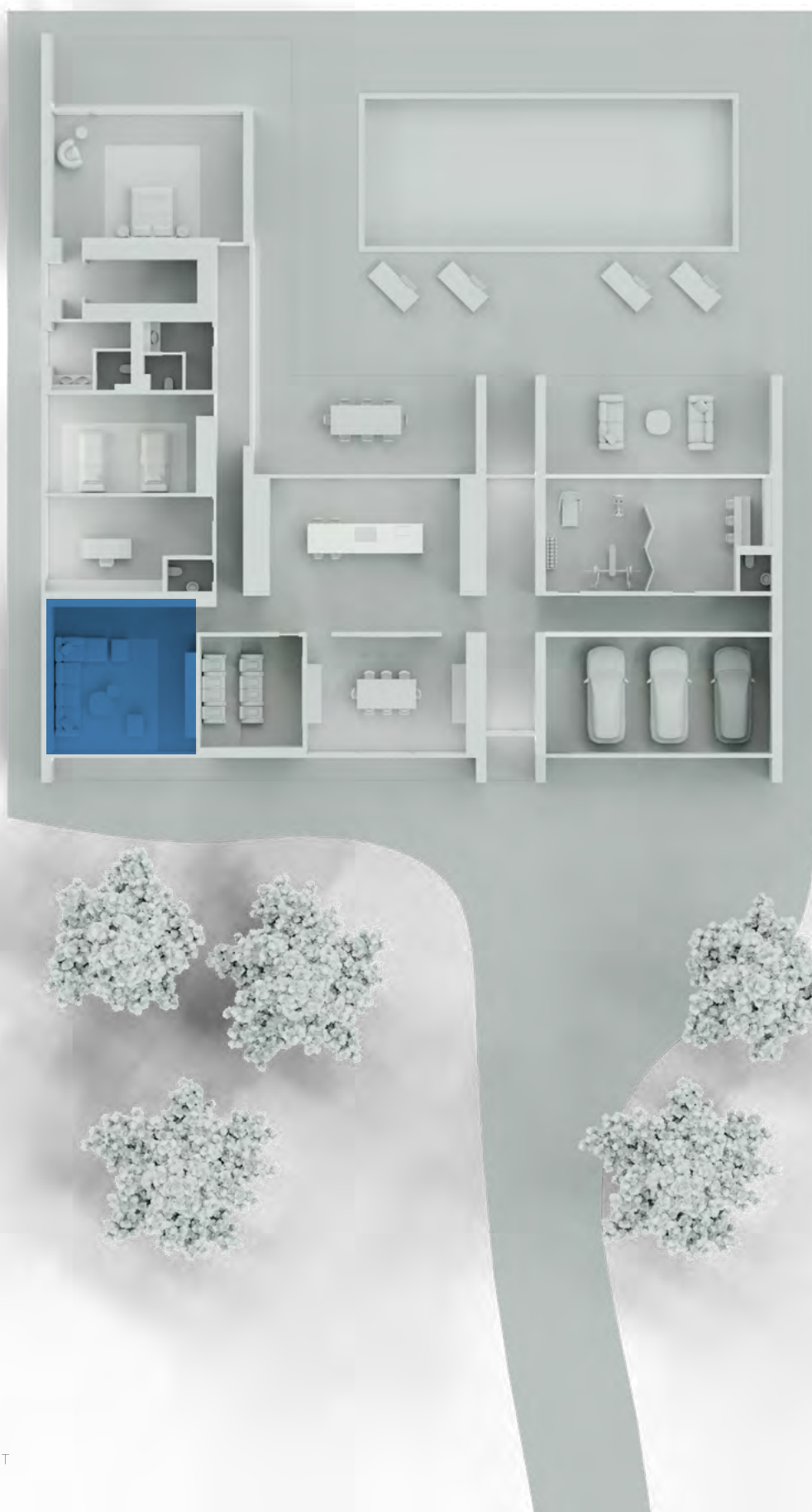
LIVING ROOM



In a residential setting, the living room is a transitional space between activity and rest, solitude and connection. Its illumination must reflect this fluidity, becoming not just a source of light, but a narrative tool that supports mood, function, and spatial identity. Lighting orchestrates the way in which we perceive and experience

the room. General lighting provides comfort and visual cohesion, while accent lighting sculpts objects, textures, and architectural elements, adding depth, rhythm, and character. Layered lighting enables the space to shift seamlessly, adapting from moments of quiet introspection to times of shared interaction. When lighting is well-balanced, it

doesn't impose, it responds. It subtly guides attention, shapes atmosphere, and reinforces the emotional tone of the environment. In this way, illumination is not just functional, but expressive: a silent architecture that adapts to the rituals of daily life, from a quiet evening alone to a film night with the family.



Residential Areas

Core

LIVING ROOM

INDIRECT LIGHTING + ACCENT LIGHTING



SPLIT-IT PRO



INDIRECT



ACCENT



MINIGRID IN TRIMLESS 2



ACCENT



DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.59 W/ft²



GENERAL LIGHTING + ACCENT LIGHTING



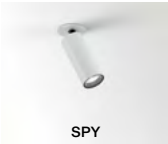
SUPERLOOP



GENERAL



ACCENT



SPY



TASK



SHELFLINE



DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.46 W/ft²

ACCENT LIGHTING + WALLWASHING





DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.20 W/ft²



ACCENT



NIME
COMING SOON



WALLWASHING
WALLGRAZING



NIME
WALLWASHING

ACCENT LIGHTING





DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.20 W/ft²



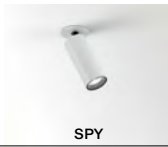
ACCENT



JUM-OH



ACCENT



SPY

Residential Areas

Core

LIVING ROOM



*The light in the living room flows with life,
softening the atmosphere and welcoming moments for
rest, dialogue, and quiet.*



NIME

ACCENT

Design Obumex



SPY TRIMLESS

ACCENT

SHELFLINE 18

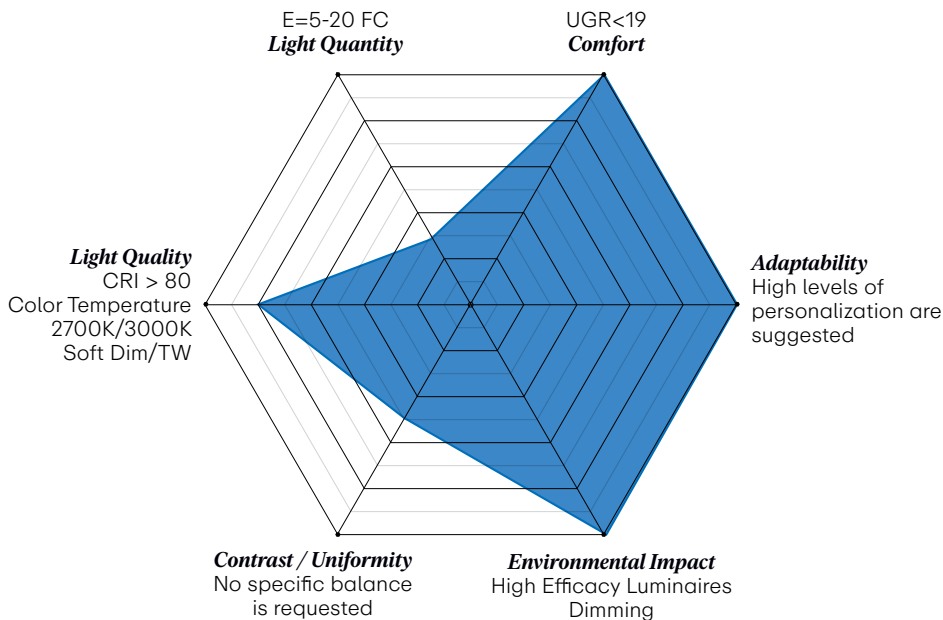
INDIRECT

Design Saai Interieur

Residential Areas

Core

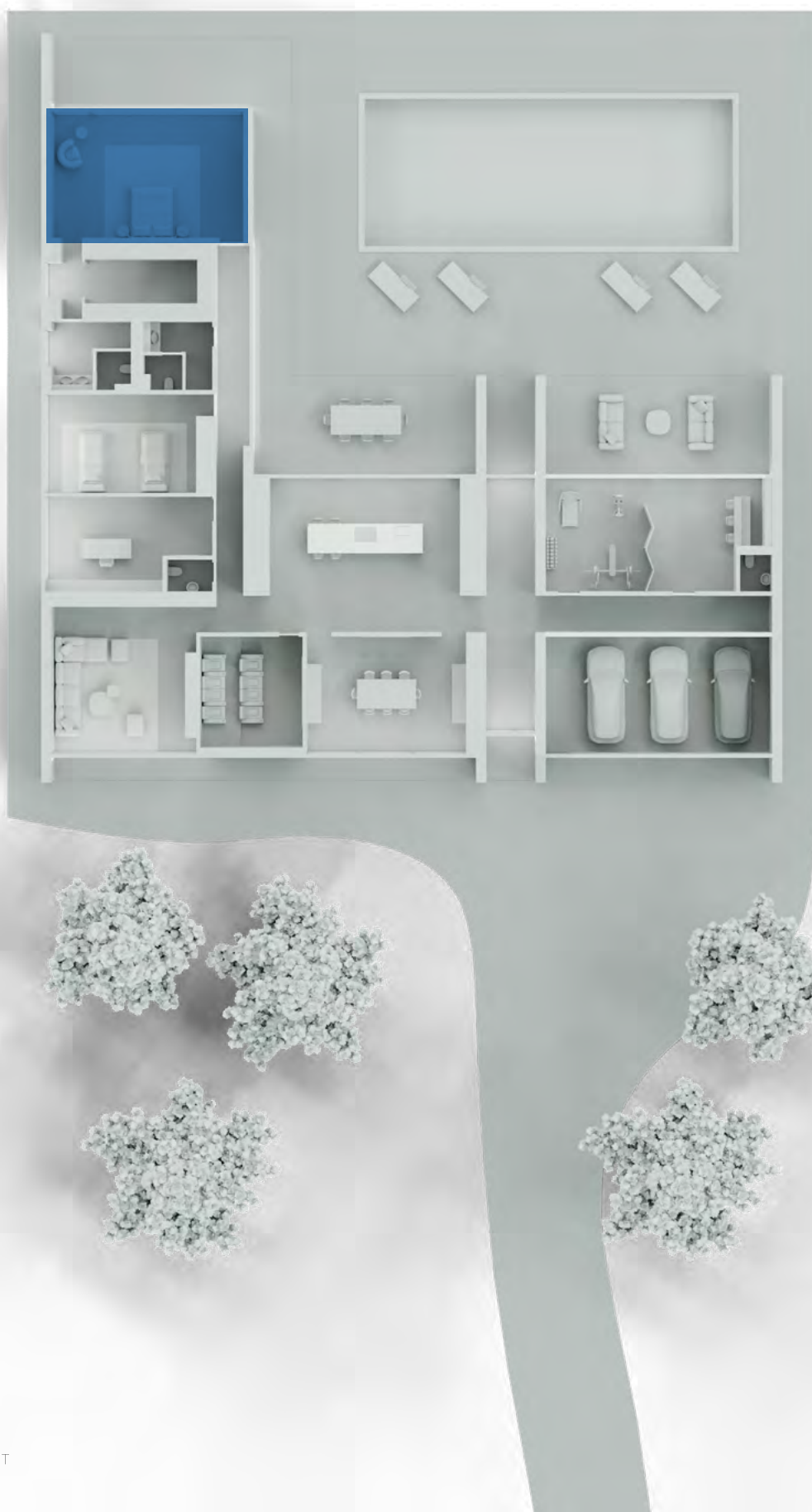
BEDROOM



In a residential environment, bedroom lighting has a key role in creating a calming atmosphere to support rest and relaxation, and enhance the architectural qualities of the space. As a personal retreat, the bedroom requires lighting that balances functionality with comfort and emotional well-being.

Effective bedroom lighting is achieved through layering of general, accent, and task lighting: general lighting provides soft, even illumination for everyday activities; accent lighting emphasizes textures, furnishings, and architectural details; while dedicated reading lights ensure visual comfort without compromising

the room's overall ambiance. Thoughtfully combining lighting types in this way ensures flexibility, allowing the space to adapt seamlessly to different needs, from restful preparation for sleep to moments of quiet activity, while promoting natural rhythms and creating a sense of sanctuary.



Residential Areas

Core

BEDROOM

INDIRECT LIGHTING + WALLWASHING



FTL TRW+



INDIRECT



DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.17 W/ft²



COMING SOON

ACCENT LIGHTING + TASK LIGHTING



ENTERO



ACCENT



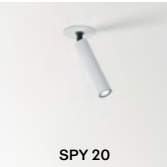
DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.21 W/ft²



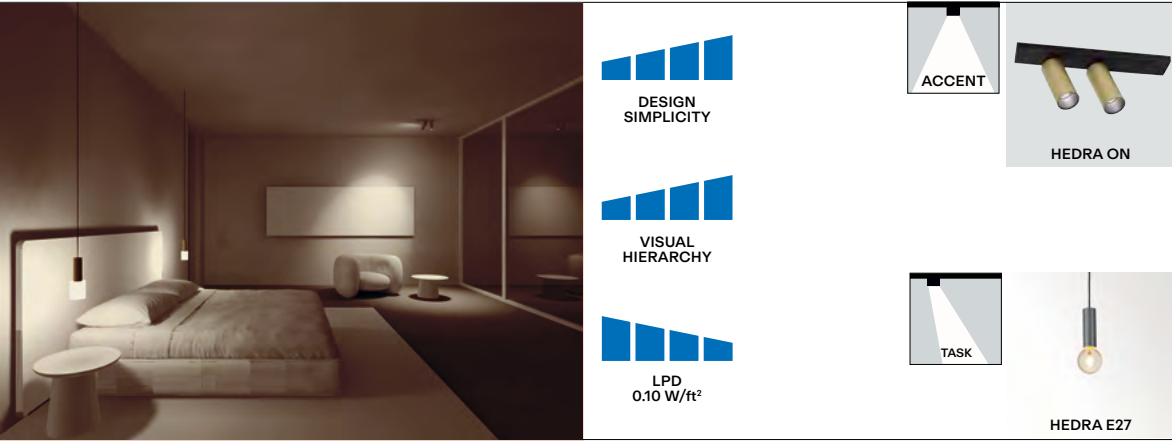
SPY 20



GENERAL LIGHTING + ACCENT LIGHTING + INDIRECT LIGHTING



ACCENT LIGHTING + TASK LIGHTING



Residential Areas

Core

BEDROOM



SPY TRIMLESS



FTL35 TR



Design Architectum & Crespo Arquitectos

*Bedroom lighting seduces the senses,
wrapping the space in warmth while embracing
moments of intimate calm and focus.*



SPT PRO + SPY

SPT PRO + LED LINEAR

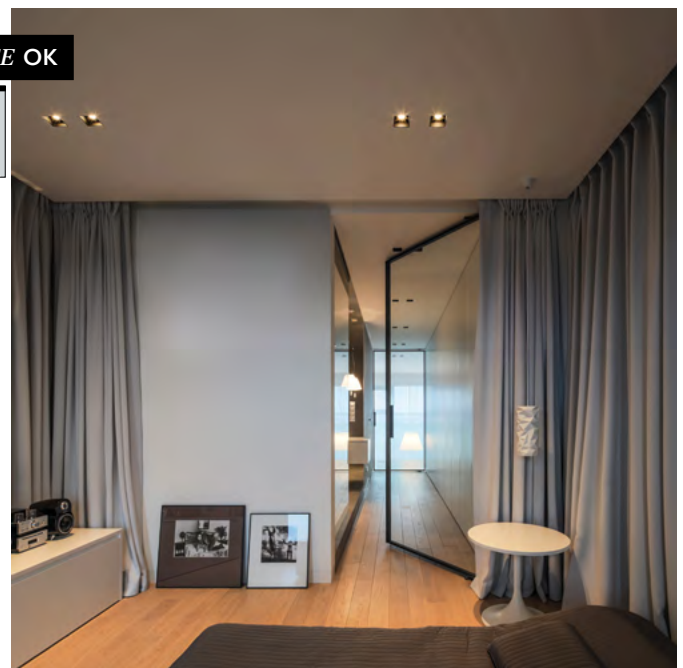


SPM20 + SPY 52

SPM20 + LEDLINE



CARREE OK



Residential Areas

Core

BEDROOM

EXTRA FUNCTIONS



Beyond Rest - Lighting for Extra Activities in the Bedroom

While bedrooms are primarily designed for rest and relaxation, they often serve multiple functions that require specific lighting. Activities such as reading or moving around safely at night benefit from targeted lighting solutions that go beyond general illumination. Recognizing these needs helps to create a more comfortable and functional environment that is tailored to the rhythms of daily life.

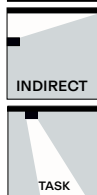
Nightlight

Nightlights provide gentle guidance during nighttime movements. Positioned discreetly under the bed, they can softly illuminate the floor without glare, enhancing safety while preserving a calm atmosphere in the room. Similarly, corridor step lighting subtly lights pathways, ensuring safe navigation with a soothing, unobtrusive glow.

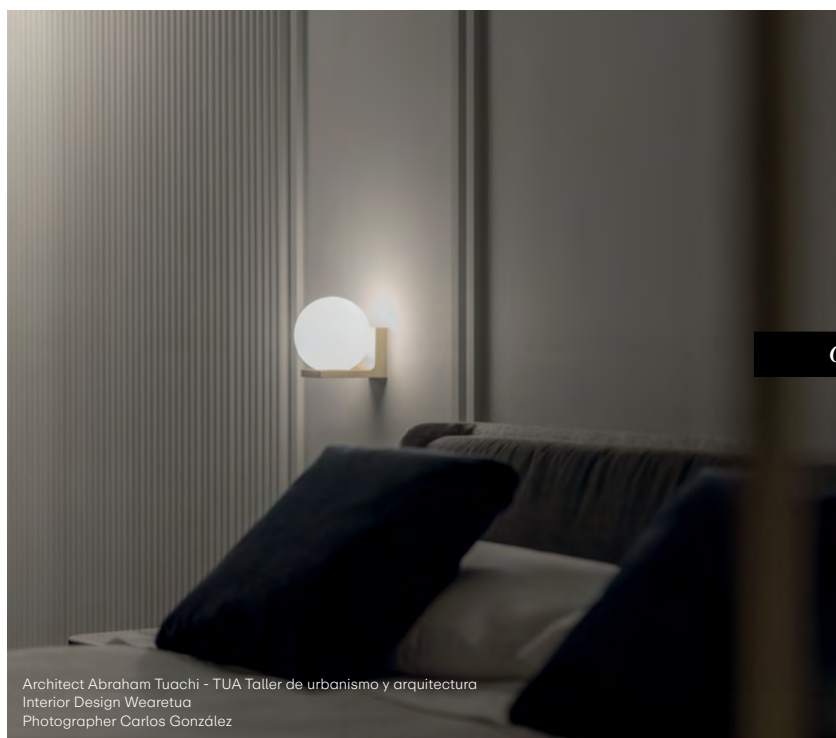
Reading Light

A reading light in the bedroom is essential for comfort and eye health, providing clear visibility without eye strain and creating a cozy, focused spot for evening reading or work. Properly designed reading lighting avoids harsh glare, enhances relaxation, and supports restful routines while preserving the calming atmosphere of the bedroom.

SHELFLINE 18



Design Saai Interieur



OONO W

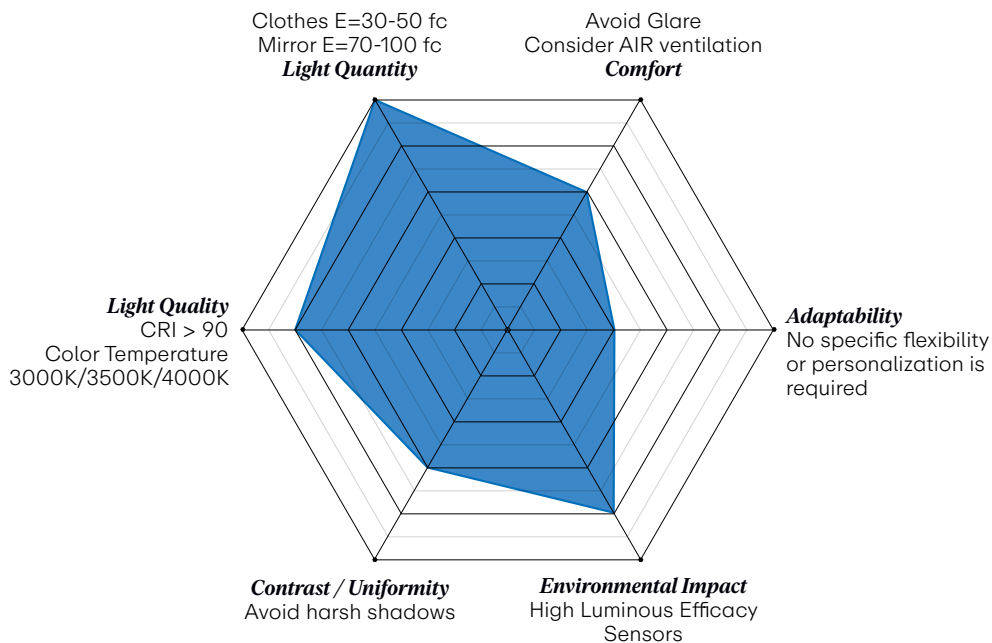


Architect Abraham Tuachi - TUA Taller de urbanismo y arquitectura
Interior Design Wearetua
Photographer Carlos González

Residential Areas

Core

WALK-IN WARDROBE



WALK-IN WARDROBE

A walk-in wardrobe is a dedicated space for efficiently organizing and displaying clothes, shoes and accessories, providing a comfortable and functional environment for dressing. It includes elements such as shelves, drawers, hanging rods and specialized compartments to maximize storage capacity and stay organized.

The mirror area is very important, since this facilitates coordination of outfits and trying on clothes. Lighting for a walk-in wardrobe that is both functional and aesthetically pleasing depends on the characteristics of the items being displayed.

Clothes, shoes and handbags have different colors that need to be matched with each other and it is

essential to be able to see each finish correctly. Light sources with a high color rendering index of at least CRI > 90 must therefore be used, helping to ensure true-to-life color accuracy and facilitating the coordination of clothing.

The type of lighting chosen is also very important: general, focused, integrated into the furniture or a mix of all three.

Each one has different characteristics and especially when placed at the top of the furniture it is important to avoid creating harsh shadows that will not make it any easier to see the items clearly.

MIRRORS

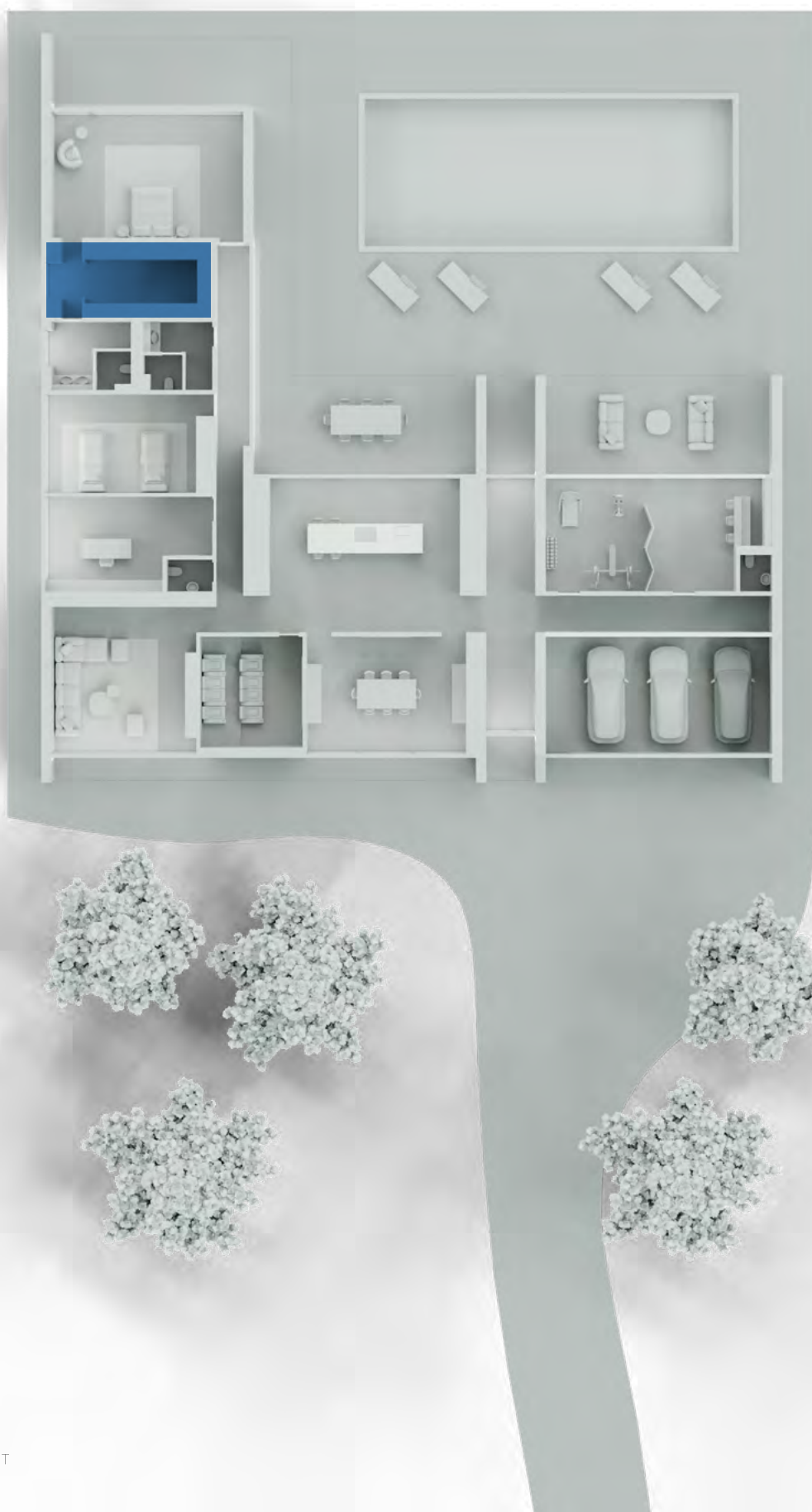
The mirror should allow the details and colors of the clothes being worn

to be seen clearly. Illuminance levels on vertical planes in the vicinity of the mirror can vary from a minimum of 70 fc up to about 100 fc.

The use of light sources with high color rendering (minimum CRI > 90) is recommended, and in any case the source used should be the same as the one used in the walk-in wardrobe to avoid changing the colors of garments.

The source of light is very important, to avoid the formation of marked shadows on the face and clothes. A person should be illuminated from multiple directions, both from above and from the sides of the mirror. This is similar to the situation with makeup mirrors in theater dressing rooms.

Mixed systems consisting of both direct and diffuse light, can then be used, taking care to avoid annoying glare.



Residential Areas

Core

WALK-IN WARDROBE

GENERAL LIGHTING



FEMTOLINE



GENERAL



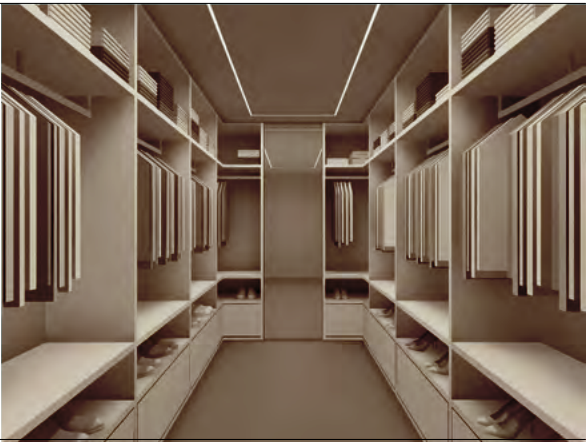
DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
1.10 W/ft²



ACCENT LIGHTING



DEEP RINGO



ACCENT



DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.39 W/ft²



GENERAL LIGHTING + ACCENT LIGHTING



DESIGN
SIMPLICITY

VISUAL
HIERARCHY

LPD
0.97 W/ft²

GENERAL

SLM + LEDLINE

ACCENT

SLM + SPY

ACCENT LIGHTING + TASK LIGHTING



DESIGN
SIMPLICITY

VISUAL
HIERARCHY

LPD
2.60 W/ft²

TASK

SHELFLINE 18

ACCENT

SPY TRIMLESS

Residential Areas

Core

WALK-IN WARDROBE



The lighting in a walk-in wardrobe unveils textures, defines colors, and elevates the ritual of dressing into a visual experience.



DEEPRINGO



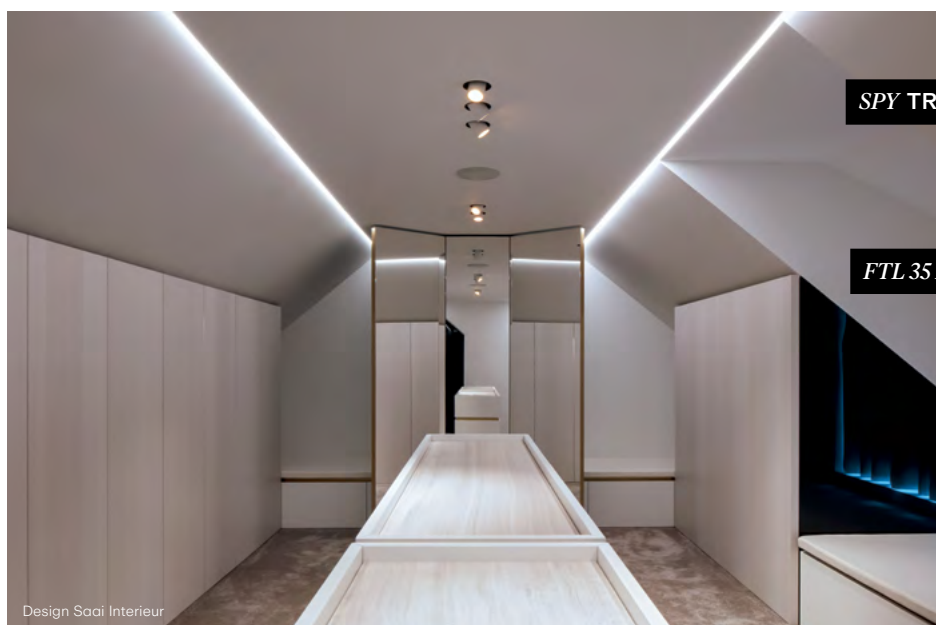
Design Wallaey Designers



SPM20 + SPY 52



Design Yanai Fryszer Guttman
Photography Ori Ackerman



SPY TRIMLESS



FTL35 FHE TR

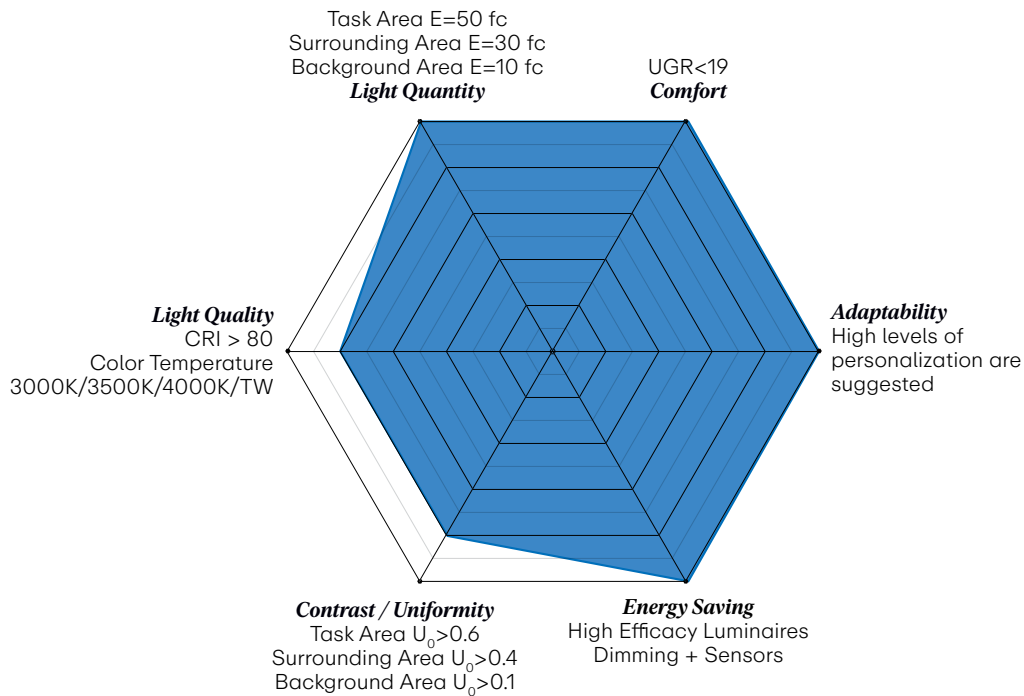


Design Saai Interieur

Residential Areas

Core

STUDIO



In a residential setting, the lighting for a studio plays a crucial role in shaping an environment that supports focus, creativity, and personal expression. It is vital to strike a balance between functionality and comfort, ensuring that the lighting matches the needs of the individual while remaining in harmony with the overall interior design.

Beyond its performance, the lighting should also reflect the user's personality and lifestyle, complementing decorative elements, artworks, and curated objects that give the space its character. Paying attention to visual comfort, light quality, and aesthetic integration will help to create a setting that is both efficient and emotionally engaging.

Incorporating smart lighting controls adds a further layer of personalization, allowing the user to adjust mood, intensity, and color temperature according to the activity or time of day, enhancing the experience of work and being able to welcome guests into a space that is truly their own.



Residential Areas

Core

STUDIO

GENERAL LIGHTING



MULTINOVA



GENERAL



DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.56 W/ft²



TASK LIGHTING + ACCENT LIGHTING



CONFORM



TASK



INDIRECT



DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.27 W/ft²



INDIRECT LIGHTING + TASK LIGHTING + ACCENT LIGHTING





DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.37 W/ft²



ACCENT



TASK



SPM



INDIRECT



FTL TRW+

TASK LIGHTING + ACCENT LIGHTING





DESIGN
SIMPLICITY



VISUAL
HIERARCHY



LPD
0.40 W/ft²



TASK



INDIRECT



SOLISCAPE



ACCENT

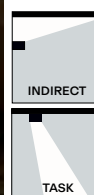


SPY

Residential Areas

Core

STUDIO



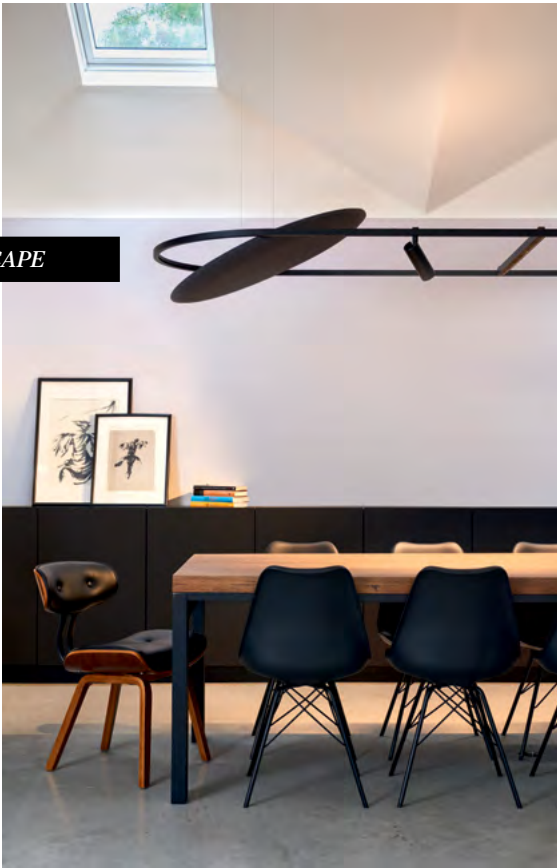
CONFORM

A lighting system designed to meet the worker's needs can have a significant role in shaping the individual's experience of the office.



INFORM

TASK



SOLISCAPE

INDIRECT

TASK

ACCENT



INDIRECT

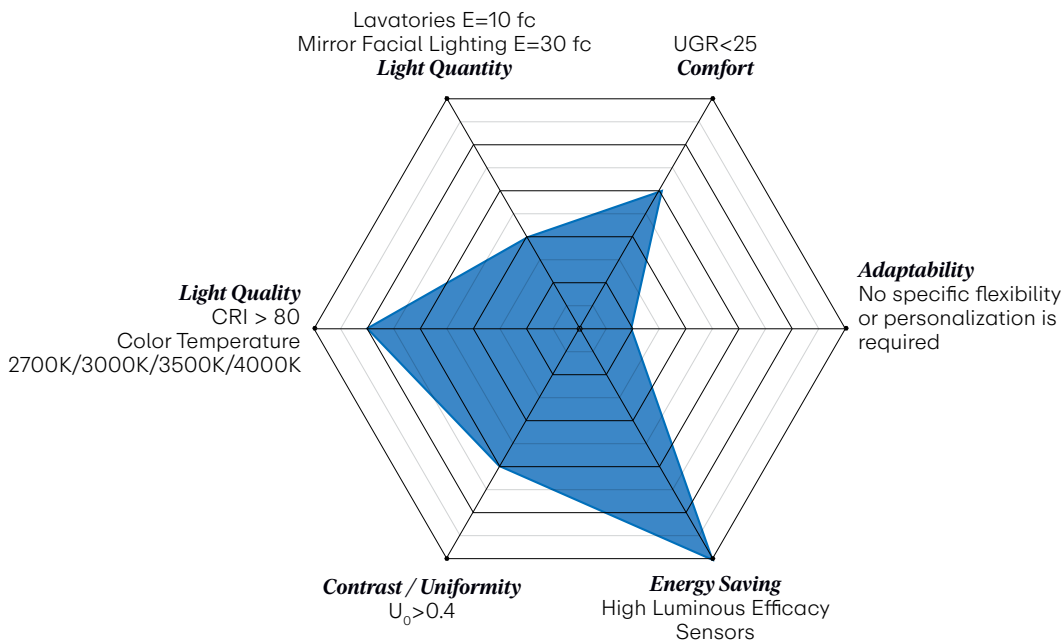
GENERAL

ONE AND ONLY

Residential Areas

Core

BATHROOM



BATHROOM

In a residential bathroom, lighting plays a key role, balancing practicality and atmosphere. It ensures general visibility while also creating a warm, welcoming space to support both daily routines and times of relaxation.

MIRROR

Lighting around the mirror should provide maximum clarity for personal care activities such as shaving or applying makeup. Soft, diffused light sources positioned on both sides of the mirror or integrated into it can help to eliminate facial shadows, providing uniform, pleasant illumination that offers both comfort and clarity.

LAVATORY

Lavatory lighting is essential for safety, functionality, and comfort. Proper illumination is necessary to support personal hygiene, navigation, and maintenance, while also creating a clean and pleasant environment.

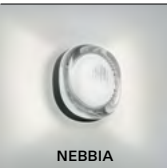


Residential Areas

Core

BATHROOM

MIRROR: GENERAL LIGHTING



NEBBIA
COMING SOON



DECORATIVE



DESIGN
SIMPLICITY



VISUAL
HIERARCHY



MIRROR: GENERAL LIGHTING + ACCENT LIGHTING



SHELFLINE 18



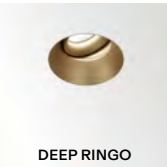
INDIRECT



DESIGN
SIMPLICITY



VISUAL
HIERARCHY



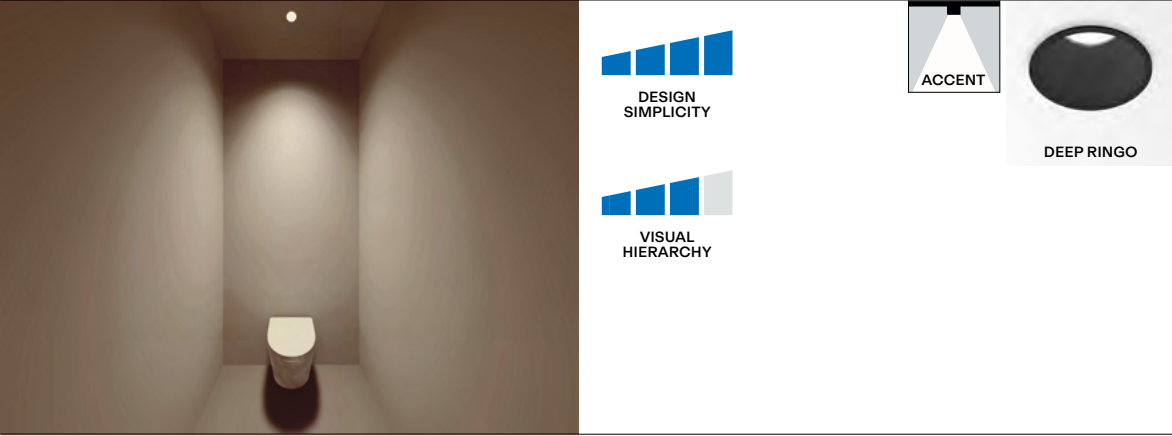
DEEP RINGO



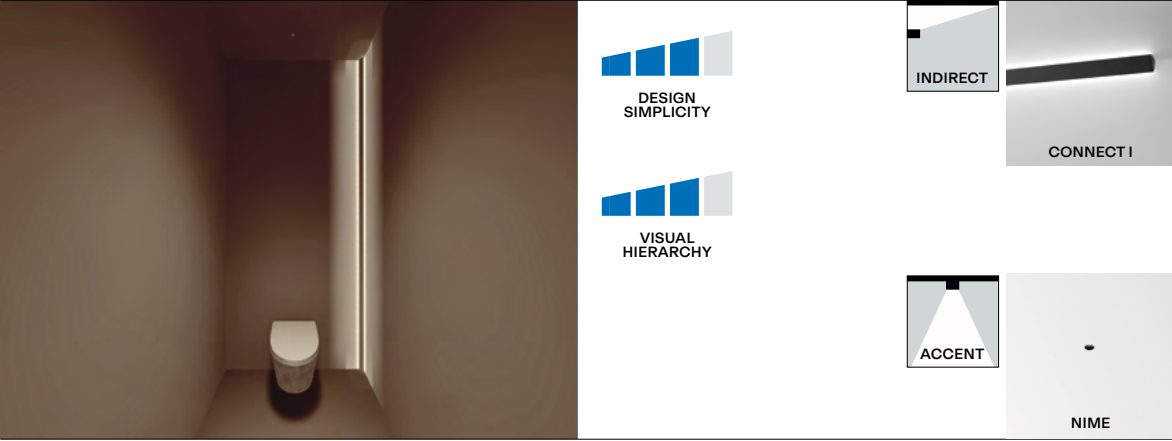
ACCENT



LAVATORY: ACCENT LIGHTING



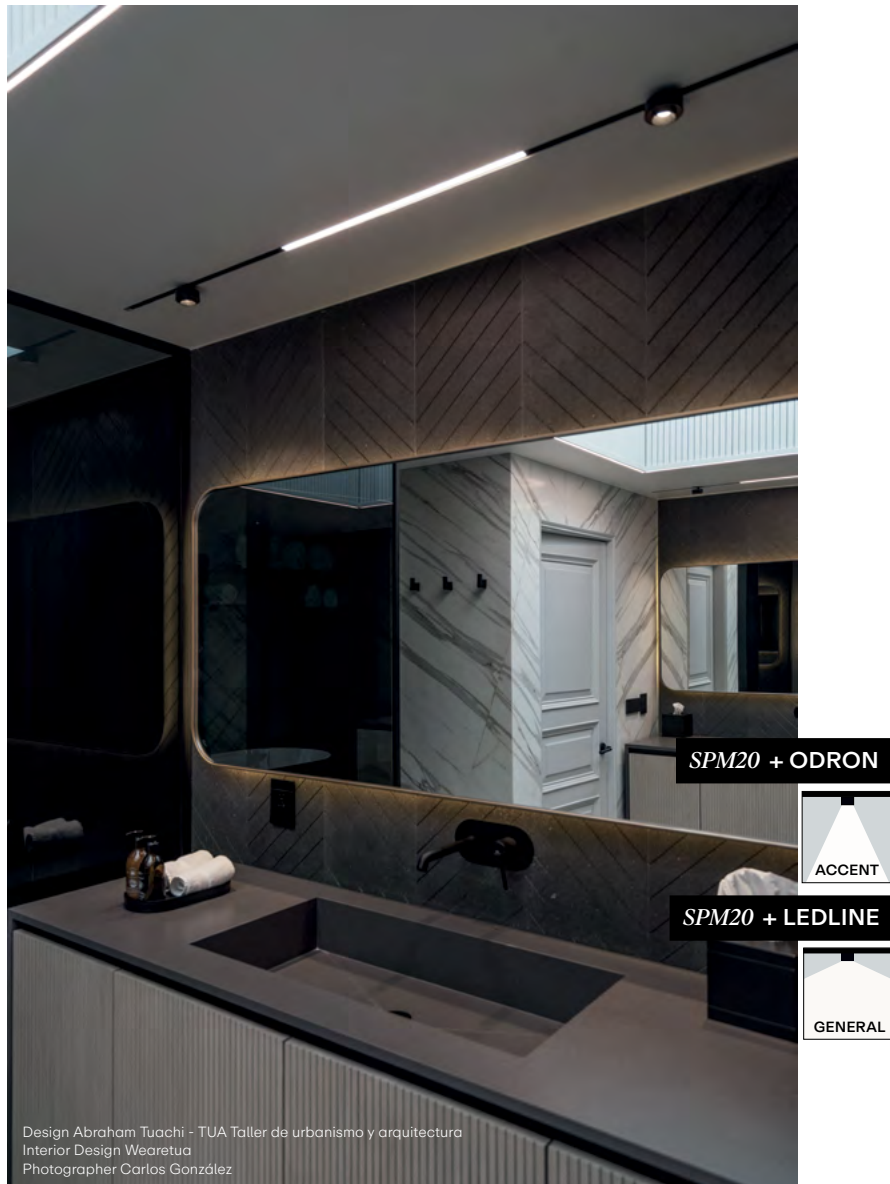
LAVATORY: INDIRECT LIGHTING + ACCENT LIGHTING



Residential Areas

Core

BATHROOM



*Bathroom lighting blends intimacy and clarity,
elevating daily activities into
sensual moments of calm.*

SPY 39



SHELFLINE 18



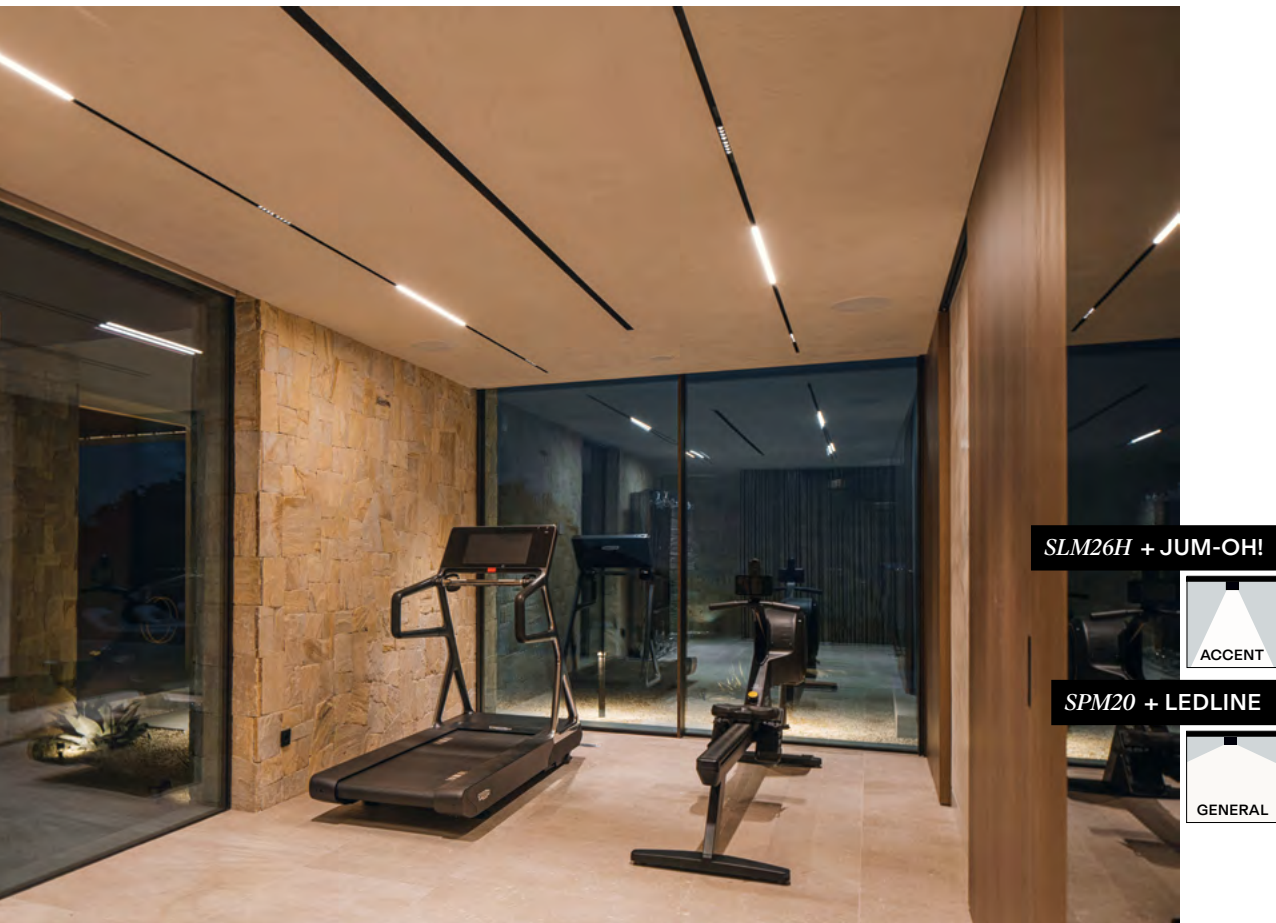
FTL 25



Residential Areas

Signature

GYM



A gym in a private home requires carefully designed lighting to balance brightness, clarity, and comfort to support a variety of workouts. The lighting must provide sufficient illumination to exercise safety, glare should be reduced to ensure clear visibility of equipment, creating an energizing yet comfortable atmosphere that

motivates users. General lighting should be bright and evenly distributed to ensure that all areas are well lit, avoiding shadows that could cause accidents. Accent lighting can also be used strategically to highlight specific zones such as weight racks, cardio machines, or architectural

features, adding depth to the space and giving it a professional feel. Flexibility in lighting levels is important to accommodate different workout intensities and times of day, while incorporating natural light where possible enhances mood and overall well-being.



MINIGRID IN TR 2



STREAMLINER



Design DAIO STUDIO - ARQ. HENNY DIAZ



SLM26H + JUM-OH!



SPM20 + LEDLINE

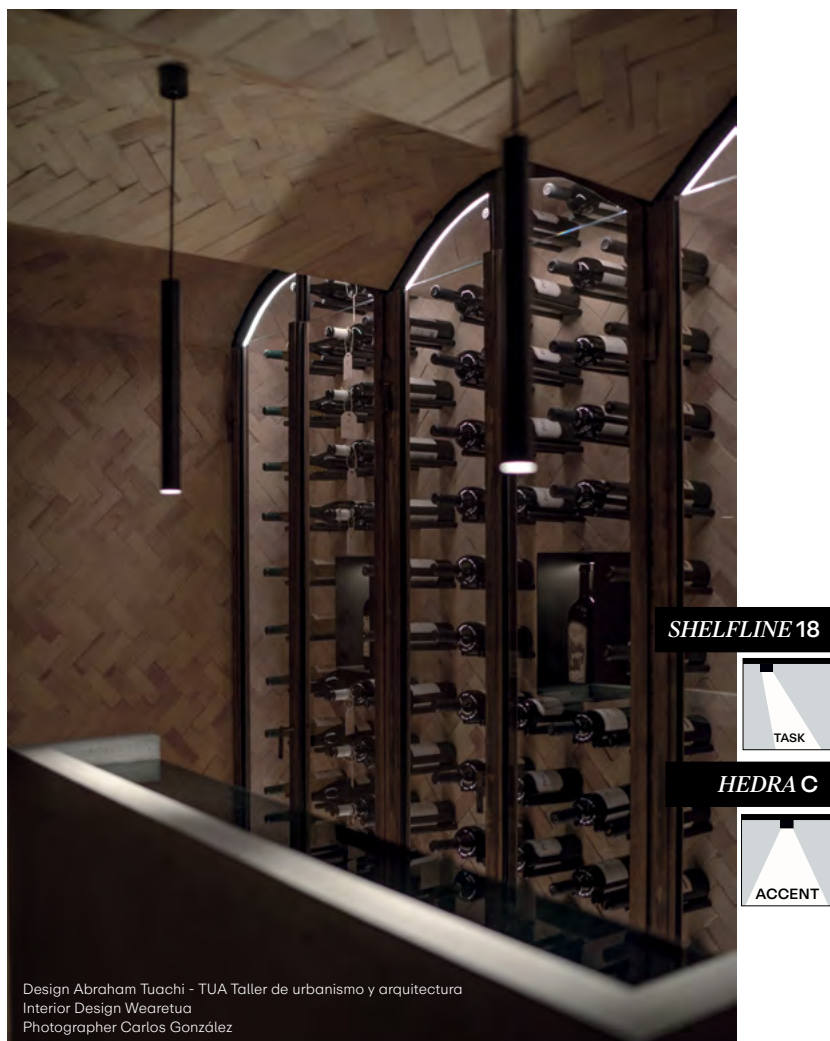


Interior Design Alrio Interiores
Architect Jorge Loyzaga
Photography Lorena Darquea

Residential Areas

Signature

WINE CELLAR



Design Abraham Tuachi - TUA Taller de urbanismo y arquitectura
Interior Design Wearetua
Photographer Carlos González

Lighting in a residential wine cellar involves a thoughtful **balance of technical precision and atmospheric design**. Its foremost function is to protect the collection, **minimizing heat and UV exposure**, while also enhancing the quiet elegance of the cellar. LED sources are perfect for this, thanks to their low heat emission and UV-free output,

offering both energy efficiency and safe illumination for aging wines. Ambient lighting, typically recessed or indirect, casts a soft, enveloping glow that creates a serene backdrop without overpowering the space. Accent lighting introduces depth and focus, subtly highlighting architectural elements, material textures, and prized bottles.

The ability to dim lights and create varied **lighting scenes** adds flexibility, allowing the space to shift effortlessly from practical storage to intimate tastings amid a **refined, poetic ambiance**. No longer just a cellar, it becomes a **space of quiet contemplation** where function meets beauty, and each light invites reflection, calm, and introspection.



SUPERLOOP SBL



SUPERLOOP MDL + SPY



SPY 20



LASS-OH!



Residential Areas

Signature

BAR



Design: @Livingcorriere
Interior Design: Wearetua
Photographer: Carlos González

HIGH PROFILE



Not currently
included
in North
American
offering.

Lighting for a bar within the home creates an atmosphere that is a blend of warmth and sophistication, making the space both inviting and stylish.

Achieving the right balance often means layering different types of lighting to serve functional and **aesthetic** purposes.

Soft, warm illumination can gently fill

the room, fostering relaxation and encouraging conversation, while accent lighting can draw attention to key features such as worktops, **shelving**, and collections of bottles and glassware, adding a subtle sparkle and visual interest. Architectural elements, textured surfaces or unique décor can be enhanced through careful placement

of highlights that will add depth and character without overpowering the space.

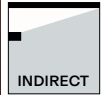
Flexibility is also essential, with adjustable and dimmable light sources making it possible to shift the mood effortlessly between vibrant social gatherings and intimate, quiet moments, adapting seamlessly to suit the occasion.



MINI DEEP RINGO



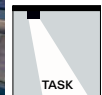
SHELFLINE 18



SHELFLINE 18



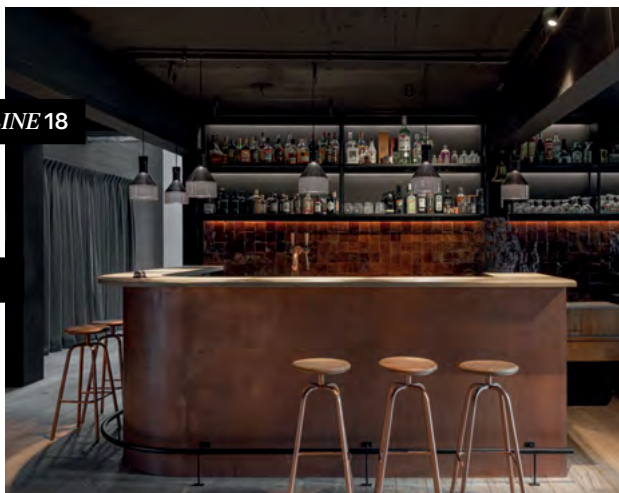
TAGLINE



SHELFLINE 18



MILES



Residential Areas

Signature

CINEMA



Lighting for a home cinema plays an essential role in creating an immersive and comfortable viewing experience, where functionality meets atmosphere. An effective lighting design will balance the need for low glare and minimal distractions with the desire to enhance the character and comfort of the space.

Soft, indirect lighting gently illuminates the space during entry and exit, guiding movement without interfering with the screen. Accent lighting highlights architectural details, seating areas, or décor elements, adding depth and a sense of luxury. The use of layered lighting combined with dimmable and adjustable

luminaires, provides the flexibility to tailor the ambiance, allowing effortless shifting from pre-show socializing to full darkness for optimal viewing. This thoughtful approach transforms the cinema into a versatile retreat, suitable for entertaining guests and also for quiet, immersive movie nights.

SHELFLINE 18



ENTERO M



FTL 35 TR



SHELFLINE 18

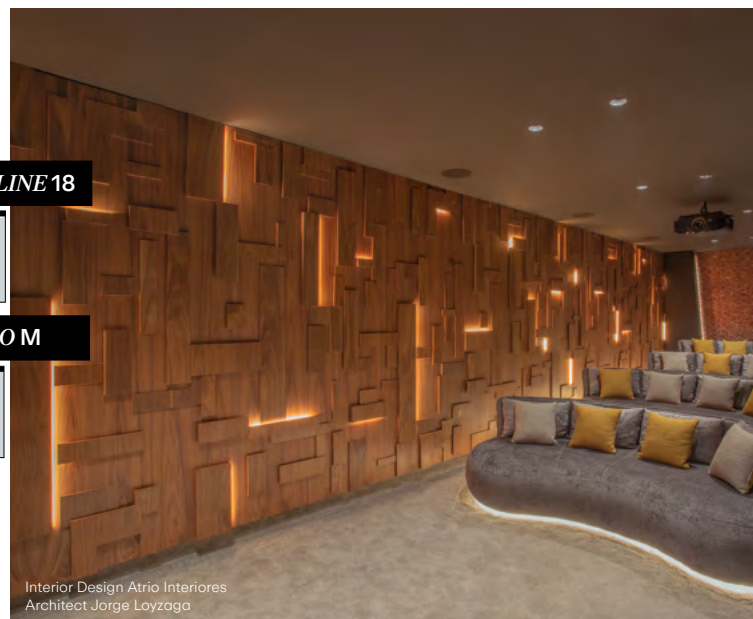


Design DAIO STUDIO - ARQ. HENNY DIAZ

SHELFLINE 18



ENTERO M



Interior Design Atrio Interiores
Architect Jorge Loyzaga

Residential Areas

Signature

ART GALLERY



iMAX



Interior Design Atrio Interiores
Architect Jorge Loyzaga
Photography Lorena Darquedá

In the domestic landscape, a personal **art gallery** is more than a simple display, **embodying a quiet dialogue between space, light, and artistic expression.**

It is a carefully curated environment, shaped with intention and sensitivity and it calls for a lighting approach that goes beyond decoration, preserving the integrity of the artworks while enhancing their visual presence within the space.

To fulfil its dual purpose of precision and atmosphere, lighting for a residential art gallery typically relies on **accent lighting**, designed to highlight each piece in relation to its surroundings.

The most effective lighting elements in this context are those offering **optical versatility**: the ability to sharpen or soften the beam, adjust the beam angle, and, in some cases, employ framing projectors. These features allow both curators and homeowners to fine-tune the lighting to suit the scale and texture of each work.

The quality of the light itself is equally important. **High-CRI LED sources** will ensure that colors are rendered faithfully and details are seen accurately, preserving the artist's original intention and enhancing the viewer's experience. Subtle variations in tone, texture,

and material come to life in a light that is both true and refined. Flexible mounting systems, such as tracks or Low-Voltage Systems can further support the evolving nature of a private collection. Whether the display remains constant or changes with the seasons, the lighting can be effortlessly reconfigured, reshaping the narrative of the space without the need for architectural modifications. This considered approach transforms the gallery into a dynamic environment, suitable for quiet reflection, hosting guests, or presenting temporary exhibitions, making the art a living, breathing part of the home.



NIME



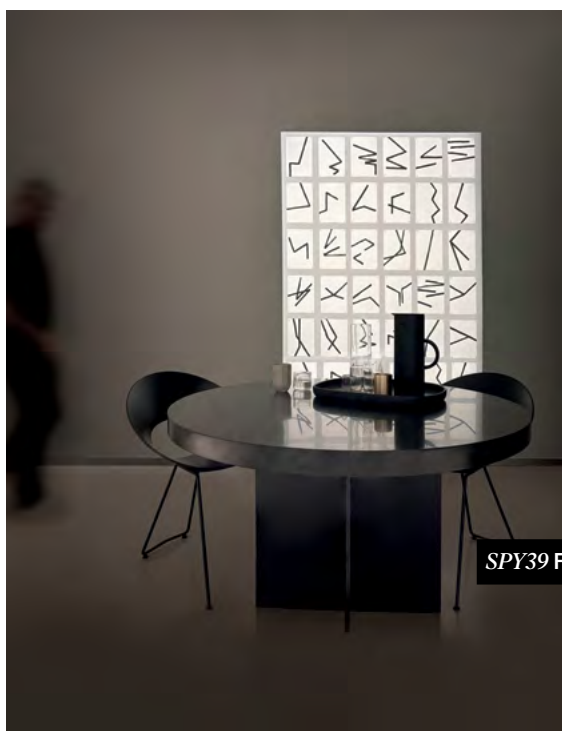
Design Abraham Tuachi - TUA Taller de urbanismo y arquitectura
Interior Design Wearetua
Photographer Carlos González



SPY39 FOCUS



Design Chain + Siman
Landscaping: Pedro Sánchez Paisajismo
Photography Rafael Gamo



SPY39 FRAMER



Residential Areas

Signature

GARAGE - CAR COLLECTION



SPY 66

<https://www.superlight.com/en-us/products/super-spy-52-mdl#superlight>

ACCENT

SHELFLINE 18

INDIRECT

Within the architecture of a home, the **garage**, when envisioned as a space for a **car collection**, transcends its original utilitarian purpose to become a **sanctuary of design, engineering, and personal identity**.

This is not only a place to store vehicles; they are exhibited, appreciated, and celebrated. In this context, the lighting must balance functionality with

atmosphere, revealing sculptural forms, materials, and details without glare or distraction.

A layered approach is essential: ambient lighting provides clarity and comfort, while accent lighting highlights contours, finishes, and textures, bringing out the artistry in every surface.

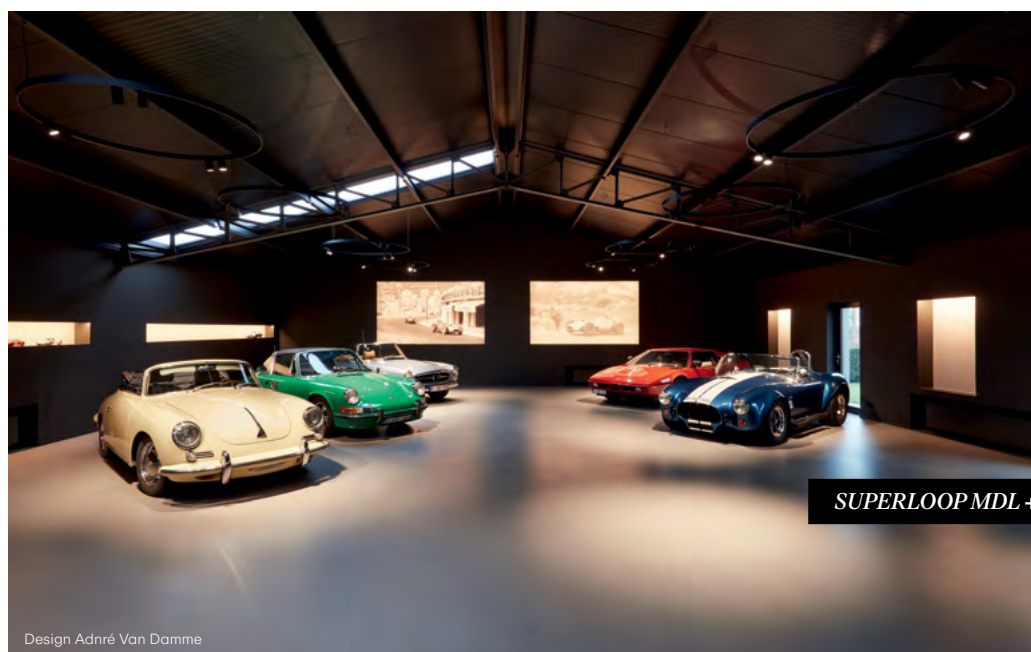
High-CRI LED sources enhance the craftsmanship of polished metals,

lacquered bodies, and leather interiors, ensuring that colors and materials are rendered with precision. This elevated approach transforms the garage from a functional zone into a gallery of motion, a space where automotive design is illuminated with the reverence it deserves within the domestic realm.

products/superloop/
pop-spy-52-mdl



Design Maister
Photography Bert Demasure



SUPERLOOP MDL + SPY 39

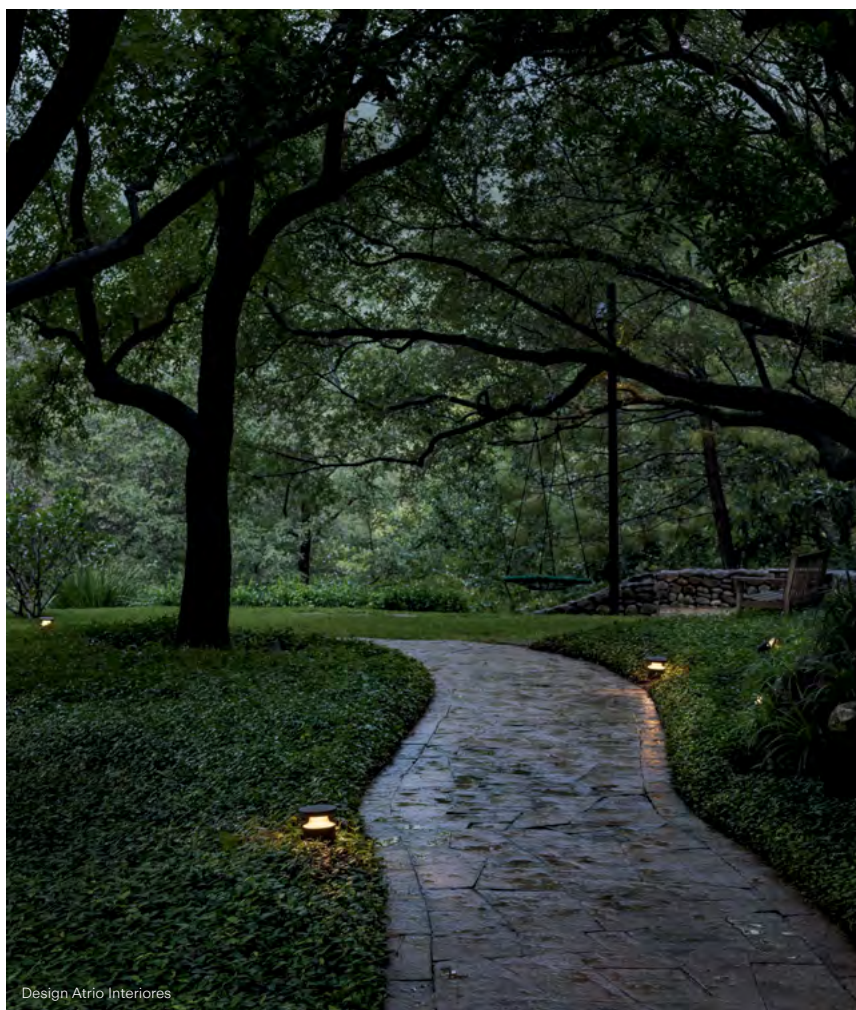


Design Adnré Van Damme

Residential Areas

Outdoor

ENTRANCE PATH



Design Atrio Interiores

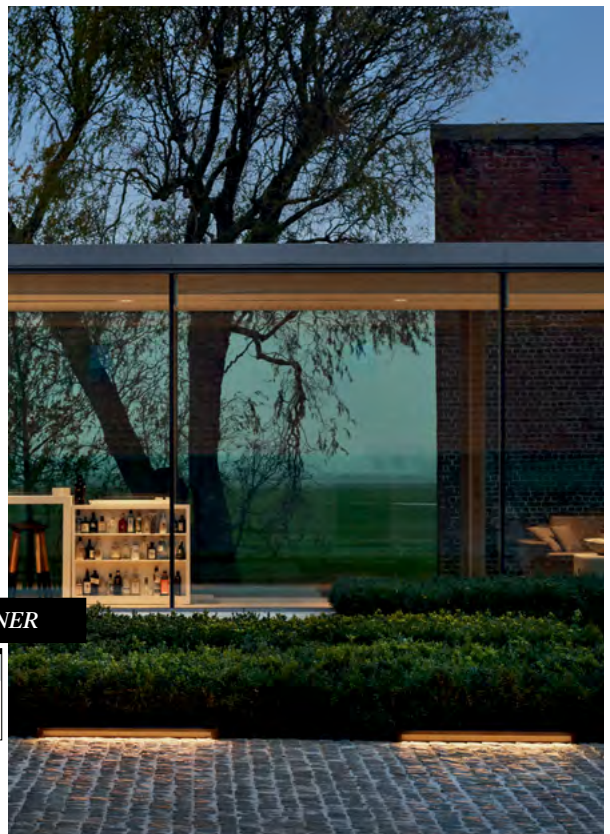
Within the landscape of a home, paths within a garden act as transitions between moments, guiding movement and shaping the overall experience of the outdoor space. These **walkways connect architecture with nature**, calling for lighting that improves safety and creates a captivating atmosphere. The aim is not merely to light the path, but to define mood, depth, and

orientation throughout the garden. A range of lighting techniques can be employed to achieve this: low bollards offer soft, unobtrusive guidance, while precisely aimed spotlights can highlight nearby plants or architectural features. Whichever technique is used, glare control is essential, not only to avoid light pollution, but also to preserve the intimacy and calm of the

nighttime setting. Thoughtfully designed path lighting enhances the cohesion of the outdoor space and creates an **immersive experience transforming a simple walk into a serene spatial narrative that winds its way through the garden.**



KIX M



OUTLINER



Not currently included in North American offering.



STRIPER

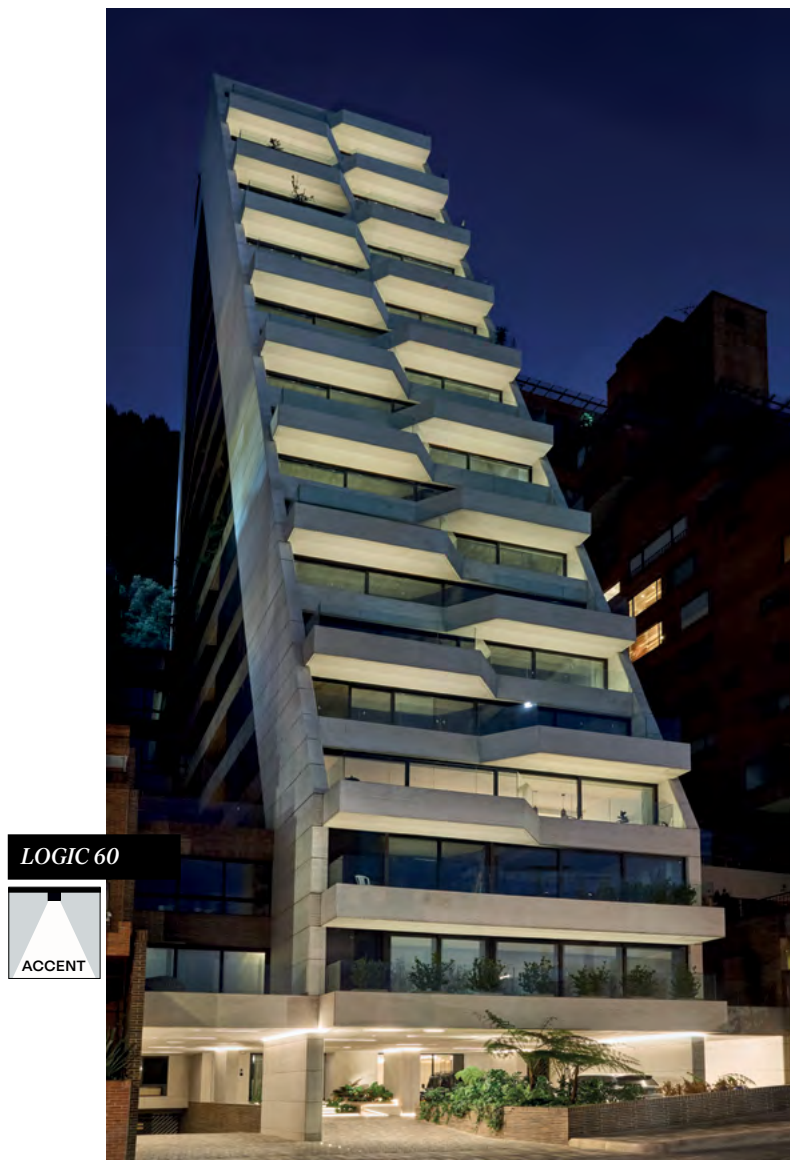


Not currently included in North American offering.

Residential Areas

Outdoor

FACADE



As daylight fades, the **facade** of a home takes on a new role, no longer just a protective skin but **a canvas that light can animate, define, and reveal**. Facade lighting in residential settings is about creating atmosphere, expressing identity, and inviting connection between the home and its surroundings. Thoughtful use of light can enhance architectural features, draw out textures, and introduce a rhythm that comes alive in the dark. It can guide the gaze, elevate curb appeal,

and subtly signal the transition from public space to personal refuge. From soft **uplighting** that accentuates structure to **wallgrazing** that reveals material detail, each technique feeds into the narrative. **Linear** lighting can outline geometry with precision, while **decorative wall lamps** introduce an expressive layer, casting patterns, shadows, and playful rhythms of light that animate the outside of the home with character and charm.

It is equally important to minimize light pollution towards the sky, not only to protect the night environment and reduce wasted energy, but also to preserve the calm and intimacy of the residential setting at night. Here the goal is not brightness, but balance.

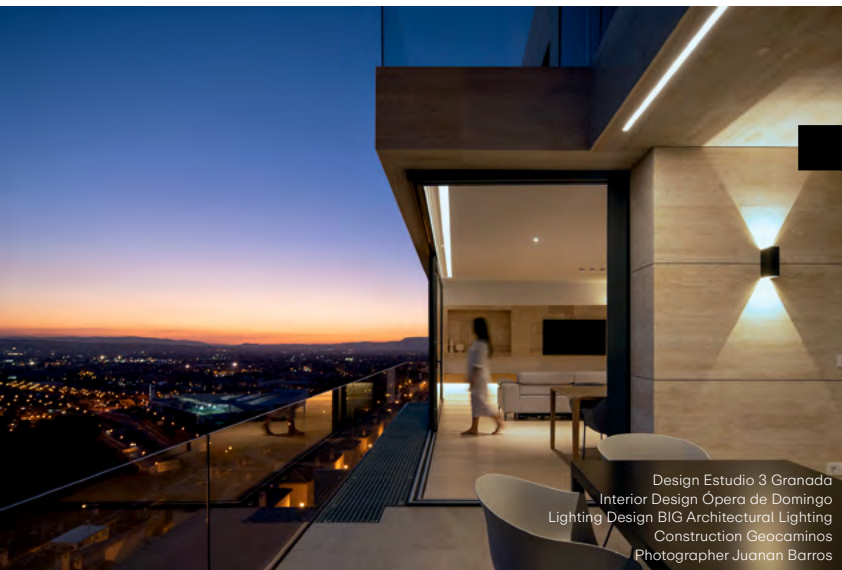
Facade lighting can become an architectural gesture in its own right, highlighting the character of the home and offering a serene, sophisticated welcome after dark.



FTL 35 WG



WALLWASHING
WALLGRAZING



NOCTA



DECORATIVE

Design Estudio 3 Granada
Interior Design Ópera de Domingo
Lighting Design BIG Architectural Lighting
Construction Geocaminos
Photographer Juanan Barros

LOGIC 40 MOON



ACCENT



Design Atrio Interiores

Residential Areas

Outdoor

PORCH
PATIO
TERRACE



In the heart of a home, often sheltered from outside view, **patios and porches** act as inviting **extensions of the living space**, places to gather, unwind, and **connect with both family and nature**. Lighting for these areas calls for a balance of warmth, functionality, and ambiance. The aim is to create an atmosphere that welcomes and soothes, while also defining these transitional spaces. Lighting should shape the mood, highlight architectural details, and ensure safe movement, encouraging quiet moments of relaxation in the open air.

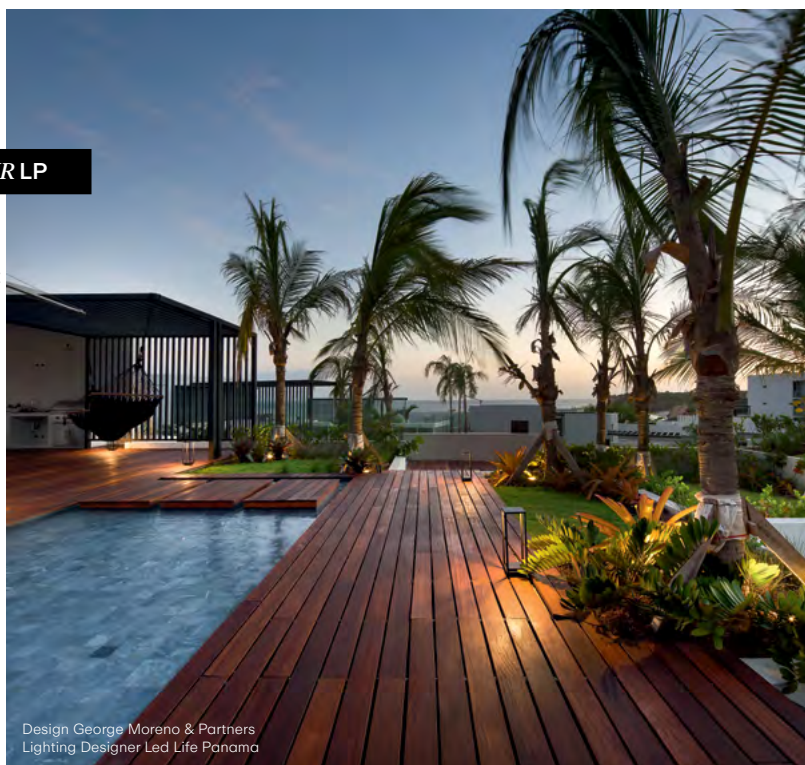
This balance can be achieved by using a variety of lighting techniques: **wall lights** and **decorative floor lamps** add both function and artistic expression, offering a soft, enveloping glow while acting as sculptural elements that enrich the outdoor decor and creating the perfect setting for intimate conversations or tranquil evenings under the stars. In-ground **uplights** can be used to accent nearby plants, textured walls, or architectural features, adding depth and visual interest. Discreet **downlights**, recessed into ceilings or overhangs provide gentle, unobtrusive illumination, ensuring

comfort and safety without disturbing the serene atmosphere. Equally important is controlling light spill to maintain privacy and intimacy, while also minimizing light pollution, avoiding excessive glare and upward light that could disrupt the relaxed setting and natural rhythm of the night. Thoughtfully designed patio and porch lighting transforms an **outdoor space** into an **enchanted retreat**, blending practicality and beauty and creating a **seamless flow between indoor and outdoor spaces**.

MONTUR LP



DECORATIVE



Design George Moreno & Partners
Lighting Designer Led Life Panama

NEBBIA



DECORATIVE

COMING SOON

BOXY



ACCENT

SHELFLINE 18



INDIRECT

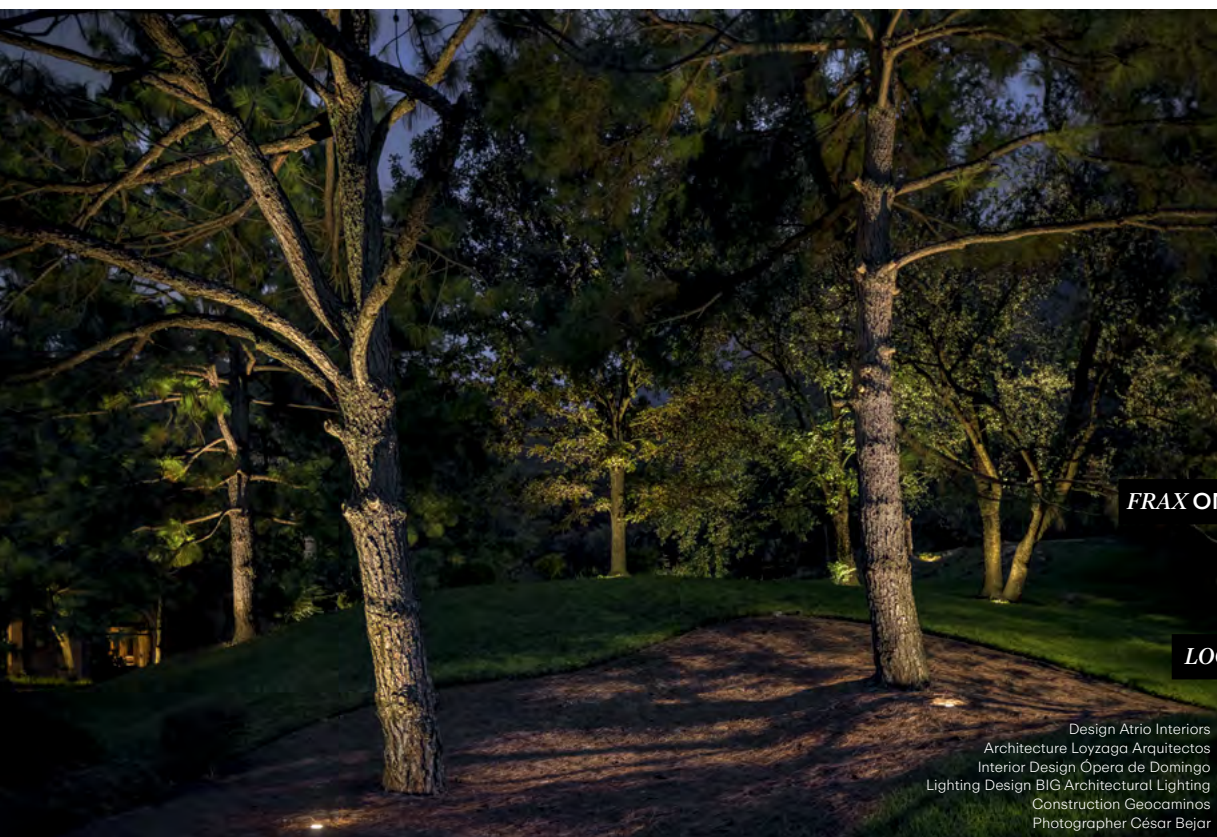


Design Arquitectum & Crespo Arquitectos

Residential Areas

Outdoor

GARDEN



FRAX ON STRAP



LOGIC 190 R



Design Atrio Interiors
Architecture Loyzaga Arquitectos
Interior Design Ópera de Domingo
Lighting Design BIG Arquitectural Lighting
Construction Geocaminos
Photographer César Bejar

The garden is an open-air room where nature meets architecture. It offers room for times of stillness, space for gatherings and pathways for quiet reflection. Lighting this environment is about extending its presence into the evening, enhancing its atmosphere while preserving its natural rhythm. Thoughtful garden lighting reveals depth and texture, tracing the outlines of trees, plants, and stone with subtle precision. The lighting builds visual layers that

gently guide movement through the space, drawing attention to its most meaningful features without disrupting the calm of night. A combination of lighting techniques can help to shape this experience: in-ground **uplights** and adjustable **spotlights** highlight trees, sculptures, or architectural elements, adding drama and dimension, while decorative **floor lamps** lend a personal touch, introducing a glow that invites comfort and connection. Careful consideration must also be

given to controlling light direction, to limit upward spill and preserve the clarity of the night sky. This makes the garden feel grounded, private, and in harmony with its surroundings. When approached with sensitivity, garden lighting becomes a quiet choreography of light and shadow, elegantly framing the landscape and transforming the **outdoor space** into a **poetic extension of life at home after dark**.



Design Estudio 3 Granada
Interior Design Ópera de Domingo
Lighting Design BIG Architectural Lighting
Construction Geocaminos
Photographer Juanan Barros

SPIX M



LOGIC 90



STIEVIE



Not currently
included
in North
American
offering.



Design Atrio Interiors
Photographer César Bejar



Design Arquitectum & Crespo Arquitectos

CAMI



Not currently
included
in North
American
offering.

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CASES.

Private residence
BELGIUM



Where architecture and landscape converge

Residence FSD is a clear example of architecture that responds seamlessly to its surroundings. Built on a site with a pronounced slope, the plot presented not only constraints, but also opportunities. The architect chose to embrace this topography. The result is a home that responds logically to the natural levels of the terrain, with every space oriented towards views, light and functionality.

The topography of the site directly defined the organization of the house. The upper floor, located at street level, functions as the ground floor with wide views over the valley. This level contains the main living spaces and master bedroom. Below, at level -1, are the children's bedroom and a secondary living room. This lower level opens out towards the garden and was designed with the vision that every space, even those positioned at the lower level, should enjoy natural light, air and view on the greenery of the surrounding garden and forest.

Private residence

BELGIUM

The same vision is expressed in the inclusion of the additional living area on this level. It creates a direct connection to the spacious terrace and swimming pool, allowing this floor to become a fully-fledged living environment in summer, where interior and exterior naturally flow into one another.

The architect approached the design of this home with clarity and logic. The natural incline of both the plot and the street was used to provide direct access to the garage, without the need for additional infrastructure. The swimming pool, set slightly forward, is also part of this functional composition: together with the transparent living area and the semi-open bedroom level, it forms a balanced and cohesive triptych.

An existing tree on the site was preserved and now forms a defining feature in the totality of the home. The pool's position was slightly adjusted to protect the tree, which resulted in a unique swimming experience, as if doing laps inside the forest, the foliage above acting as a natural canopy.





Private residence

BELGIUM

The orientation was determined with equal care and logic. All living areas face southwest towards the forest, while the north-facing street side was deliberately kept closed off. This ensures maximum privacy without sacrificing daylight or views. Inside, thoughtful and strategic elements, such as an enclosed patio, provide natural light, whilst keeping privacy to the adjacent bathroom and master bedroom.

The choice of materials reinforces the architectural concept. The house was built with in-situ cast concrete, poured into wooden plank formwork, which left a subtle wood grain texture and a warm, horizontal pattern on the surface. This texture continues from outside to inside, reinforcing a spatial continuity. The concrete ceilings were left exposed, with no suspended ceiling, allowing for the use of surface-mounted lighting: functional, adaptable, and perfectly integrated into the interior.





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Private residence

BELGIUM



Lighting for this home was carefully selected and positioned to enhance not only the architecture, but also the atmosphere. Outside, subtle façade lighting accentuates the building's volume and the wood-textured concrete. The pool is lit from within, while a single uplight was placed in front of the tree beside it, adding depth and dimension to the garden. Light is never dominant but layered deliberately throughout the house.

The strength of this house lies in a clear principle: form follows terrain.

From circulation to daylight, from orientation to material, everything has been designed in correlation to one another. Each space relates to the landscape; every decision contributes to the whole. The result is a contemporary, brutalist yet warm home that nestles effortlessly into its natural surroundings.



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Villa X 36

CROATIA





Villa X 36

CROATIA



Situated on a historically significant hill, a family house combines elements of the past with modern design. This distinctive home, designed by Dean Skira, stands above a first-century B.C. Roman quarry where sarcophagi were once made. The ancient stonework serves as the foundation of this contemporary residence, connecting it to its historical roots.

Dean Skira's approach goes beyond conventional architecture, embracing the philosophy of total design. His influence is evident in every aspect of the house, from its striking architectural lines to the detailed interiors and subtle lighting, with the exception of the landscape planting, which is left to blend naturally with the surroundings. The form of this house is a dialogue with its surroundings. Its shape, orientation toward the sun and elevated position have all been dictated by the need to preserve the archaeological treasure below. Elevated 13 feet above the ancient quarry, the house provides a vantage point that protects and showcases the cultural heritage beneath it. The design has been further sculpted by urban planning constraints that required a precise balance of size, height, and proximity to neighbouring properties. When the design was presented to the Heritage Protection Agency, it was approved in recognition of the fact that the house not only safeguarded but also amplified the timeless beauty of the quarry. The journey from concept to completion spanned nearly four years, a testament to the intricate care required to build on such a sacred site.



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Villa X 36

CROATIA





Skira envisioned three homes within one, a quiet revelation as you approach the driveway, the front of the building a seamless, dark brown canvas, concealing the entrance in anonymity. Only an almond-colored Kerrock cornice traces the building's contours, hinting at the artistry within. As you approach the main entrance and lean against the sculpted railing, you gaze down from a height of 39 feet at the ancient stone chiselled over two millennia ago. Entering a narrow corridor, windows are placed with painterly precision, framing unexpected vistas of sea, sky, and verdant woods.

Descending to the ground floor, the architecture melds with the landscape, with plants chosen for their ability to thrive in the sun's varying embrace throughout the year. The ancient quarry is illuminated with a symphony of downlights, uplights, and reflectors, each with a carefully selected color temperature to enhance the natural hues of the stone. This meticulous lighting design accentuates the details of the quarry in a balanced rhythm of light and shadow, painting a vivid picture on the canvas of night.



Villa X 36

CROATIA

Interior lighting is integrated into custom ceiling openings that also contain ventilation ducts. This design turns the ceiling into a cooling surface, with hidden panels above the drywall. The complex integration required extensive design refinement to ensure that all the details were perfectly aligned.

An innovative aspect of this lighting system is the 'landscape lighting' within indoor plant vases. Custom-designed planters conceal wiring, allowing uplights to cast dramatic shadows of leaves on the ceiling, creating a living, breathing canvas of light and shadow. Pressing the 'cool' button dims the ambient lighting, leaving only the ethereal glow of the landscape lights for a truly theatrical experience.

The house's expansive glass windows, 114 feet in length and 10 feet in height, blur the boundaries between interior and exterior, ensuring that the landscaped surroundings are always included in the visual experience. In creating this house, Skira masterfully balanced depth, height, color, and form, crafting a living space that is both visually harmonious and dramatically compelling. This dwelling stands as a testament to the seamless integration of past and present, a home where history and modernity coexist in sublime harmony.





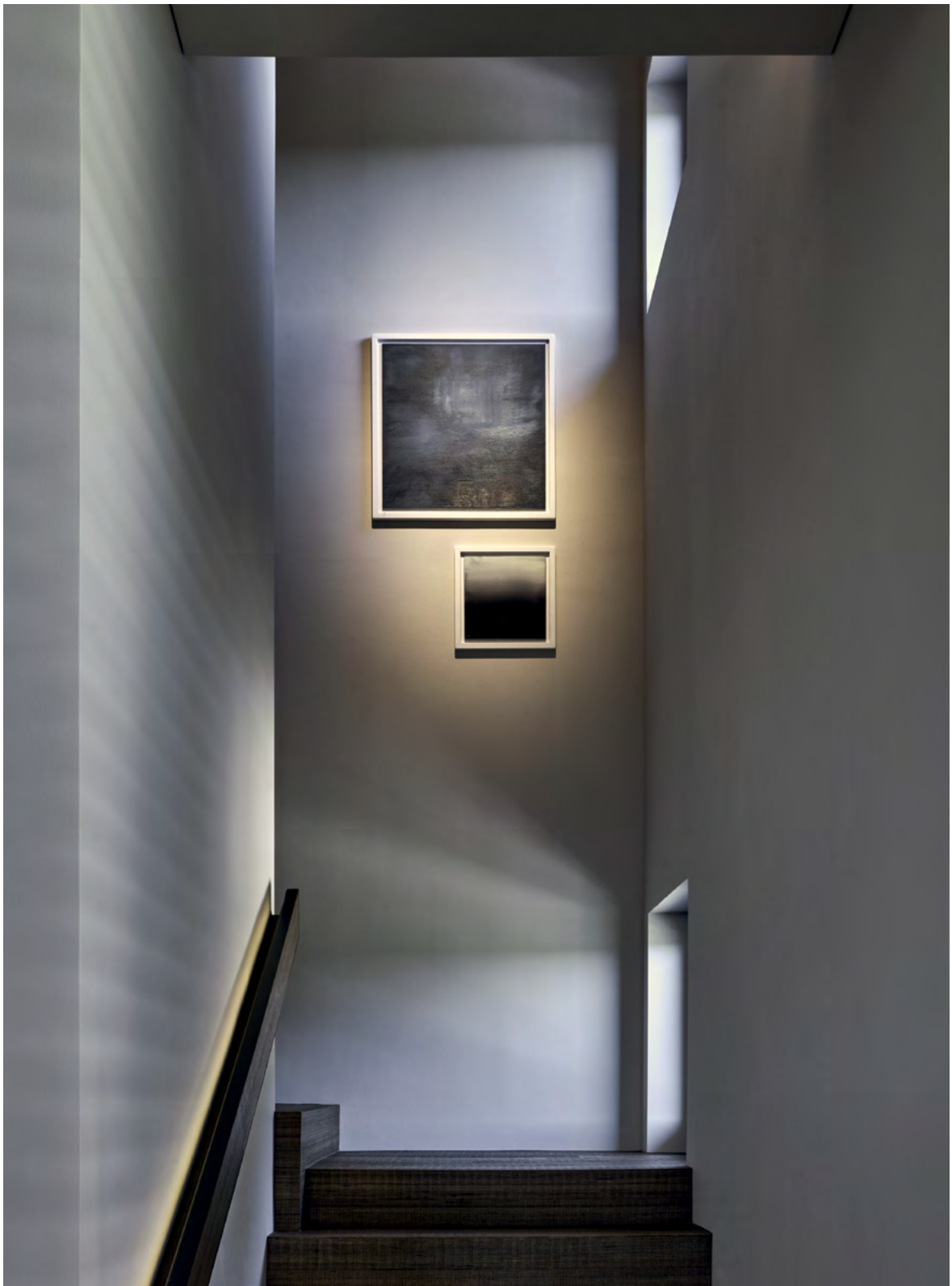


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Villa X 36

CROATIA





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Private Residence

MEXICO





Private Residence

MEXICO



The architect's priority was to create wide, double-height spaces that would accentuate the connection with the exterior through views of the lake.

To obtain the desired openings, they chose a monolithic reinforced concrete structure for the entire project.

The exterior walls of the three volumes are covered with white handcrafted brick produced in the State of Mexico and whose measurements served as the basis for the design's proportion.

Two of the volumes, set parallel to each other, have gabled roofs with flat black tiles.



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Private Residence

MEXICO





In the interior, Austrian-engineered wood overlays the floors, walls, and ceilings. This project was designed with the dynamics of a master suite in mind: everything revolves around the main bedroom. The interconnected rooms allow the owner to pass through several spaces in just a few steps. The aesthetic appeal of wood is used to create a unified architectural language throughout the project. An open terrace with a Jacuzzi delineates the rear of the house and creates a setting for enjoying the connection with the outdoor space. At the front of the house, the family room also features its own terrace and access to the mezzanine room.

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Private Residence

MEXICO





Special attention was given to the lighting design. "We approached its conceptualization as though the project were a museum in which we did not know where the elements to be illuminated would be placed. The challenge was to create flexible lighting that adjusts to the space and the elements it may contain."

The resulting composition gives the impression of an almost stage-like space, with a blend of functional and accent lighting. The diffused light among the three main rooms helps to accentuate the warm tones of the wood and create a cozy, inviting ambiance.

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Golf Villa Arabian Ranches

UAE





Golf Villa Arabian Ranches

UAE

This project takes its cues from the essence of a typical Mediterranean home. Its tones and materiality offer a sense of living both within the walls and outside. This is a true inside-outside experience. The project consists of living spaces and suites that can be cordoned off by hidden partitions that seamlessly flow in and out of walls as if by magic. A central courtyard replicates the essence of communal family living. The residence features both lighting accents and materials that pay homage to classic furniture designer Charles Eames with its simplicity of form and function.





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Golf Villa Arabian Ranches

UAE





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Golf Villa Arabian Ranches

UAE





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PRODUCT.

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Product.

GENERAL LIGHTING



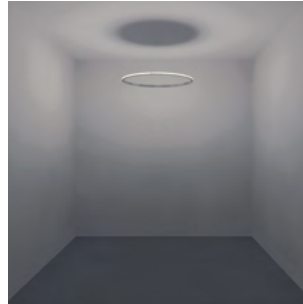
GENERAL LIGHTING

The simplest way to provide overall illumination for a room, ensuring **even, functional light** throughout the space.

In a residential setting, this can be achieved through ceiling-mounted luminaires, pendant lights, linear setups, or integrated lighting systems. Depending on the design intent and the specific needs of the room, general lighting may use **direct** illumination (where light is cast downward) or a **combination of direct and indirect** lighting to create a comfortable and balanced environment. It's ideal for everyday activities that require clear visibility.



DIRECT



DIRECT - INDIRECT

In residential, diffusers play a key role in shaping the quality, comfort, and appearance of light. They are designed to soften and distribute light evenly, reduce glare, and enhance the ambiance of a space. Different types of diffusers offer varying levels of brightness, transparency, and aesthetic appeal.



An **opal diffuser** is made of frosted or milky material that evenly spreads light in all directions. It produces a soft, uniform glow and eliminates harsh shadows.



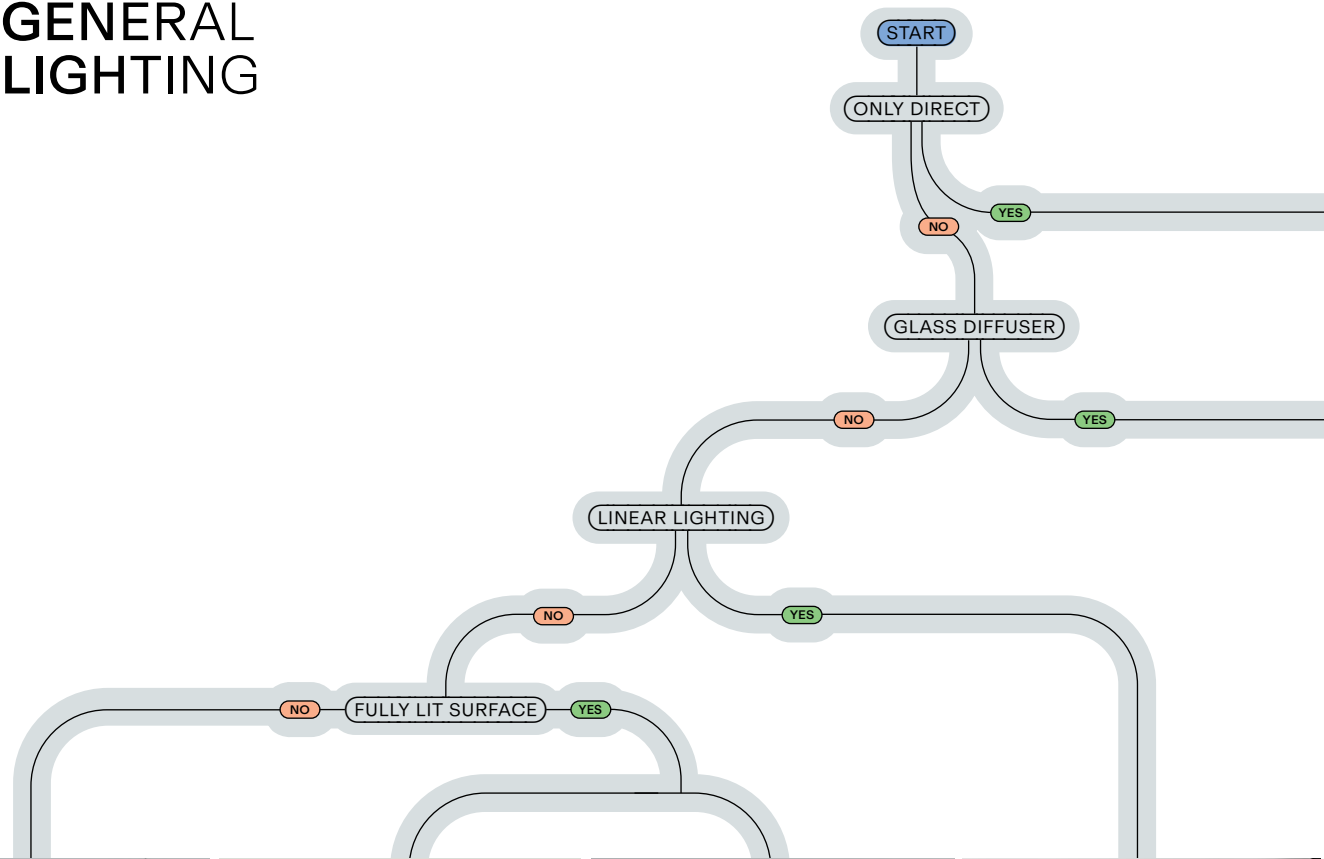
A **prismatic diffuser** has a textured surface with micro-prisms that help control and direct light more precisely. It guides more light downward and can reduce direct glare, making it suitable for task-oriented spaces where visual performance matters.

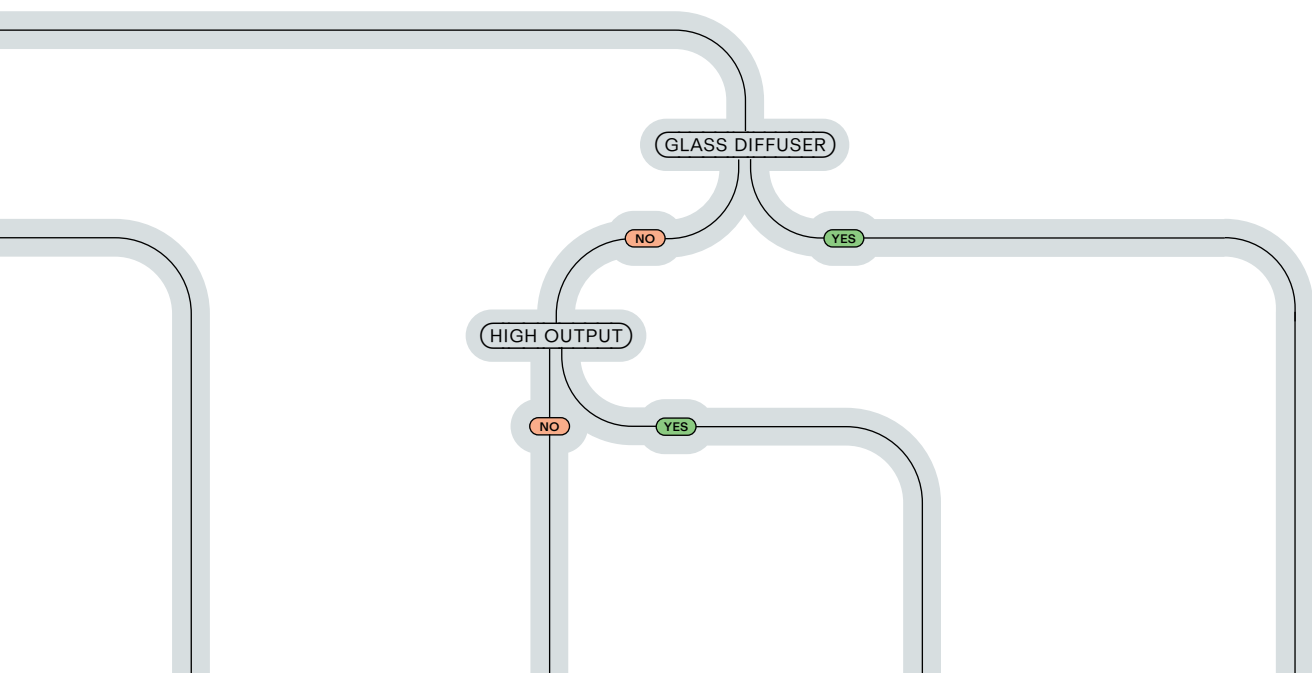


Glass diffusers offer a durable and visually adaptable solution for residential lighting. Whether integrated into pendant lights, surface-mounted or decorative luminaires, they enhance both light quality and design. Clear glass allows maximum light transmission, while frosted glass softens the output and reduces glare, contributing to a comfortable, ambient atmosphere.

Product.

GENERAL LIGHTING





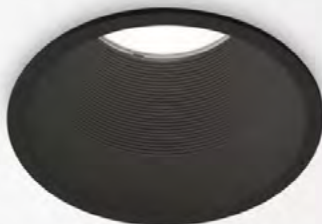
GIBBO



*All around
diffused light.*



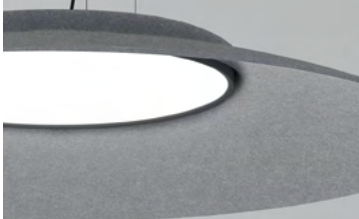
DEEP RINGO



*Refined design
in a range of finishes.*



ZOOVER



*General light
with impact.*



NEBBIA
COMING SOON



*Unexpected
design.*



Product.

GENERAL LIGHTING

SUPERLOOP (SBL)



SUPERNOVA



MULTINOVA



SHIFTLINE



GIBBO



DEEP RINGO



ZOOVER



NEBBIA
COMING SOON



FEMTOLINE



	SUPERLOOP (SBL)	SUPERNOVA	MULTINOVA	SHIFTLINE	GIBBO	DEEP RINGO	ZOOVER	NEBBIA	FEMTOLINE
<i>Visual comfort.</i>			•			•	•		
<i>Unexpected design</i>	•				•			•	
<i>Unexpected functionality.</i>			•	•					
<i>Architectural integration.</i>		•							•
<i>Refined design in a range of finishes.</i>	•					•			
<i>All around diffused light.</i>					•				
<i>General light with impact.</i>		•		•			•		
OPTICS									
SANDBLASTED	•	•	•	•	•		•	•	•
PRISMATIC		•	•						•
MATERIAL DIFFUSER									
POLYCARBONATE	•	•	•	•		•	•		•
GLASS					•			•	
LIGHT DISTRIBUTION									
DIRECT	•	•	•	•		•	•		•
INDIRECT				•					
DIRECT/INDIRECT	•	•	•	•	•		•	•	•
COLOR TEMPERATURE									
2700K	•			•	•	•		•	•
3000K	•	•	•	•	•	•	•	•	•
3500K				•		•			•
4000K									
SOFT DIM			•	•		•			•
TUNABLE WHITE		•		•					•
RGB(-TW)									•
CRI									
>90	•	•	•	•	•	•	•	•	•
INSTALLATION									
RECESSED TRIMLESS		•	•			•			•
RECESSED WITH TRIM						•			•
SEMI-RECESSED		•							
SURFACE-MOUNTED		•	•	•				•	•
SUSPENDED	•	•	•	•	•		•		•
LOW / LINE VOLTAGE SYSTEM			•		•				
LOCATION									
INDOOR	•	•	•	•	•	•	•	•	•
OUTDOOR								•	

[↑ RETURN TO INDEX](#)

Product.

INDIRECT LIGHTING



INDIRECT LIGHTING

Indirect lighting reflects light off ceilings or walls to create a soft, diffuse glow.

It **minimizes glare and creates a cozy, ambient feel**, making it perfect for living areas or bedrooms where comfort and atmosphere are key.

This effect can be achieved through **cove lighting**, where concealed luminaires direct light upward or sideways, or with **wall-mounted** luminaires that illuminate surrounding surfaces.

Both approaches reduce glare while enhancing architectural depth and ambience.



COVE LIGHTING

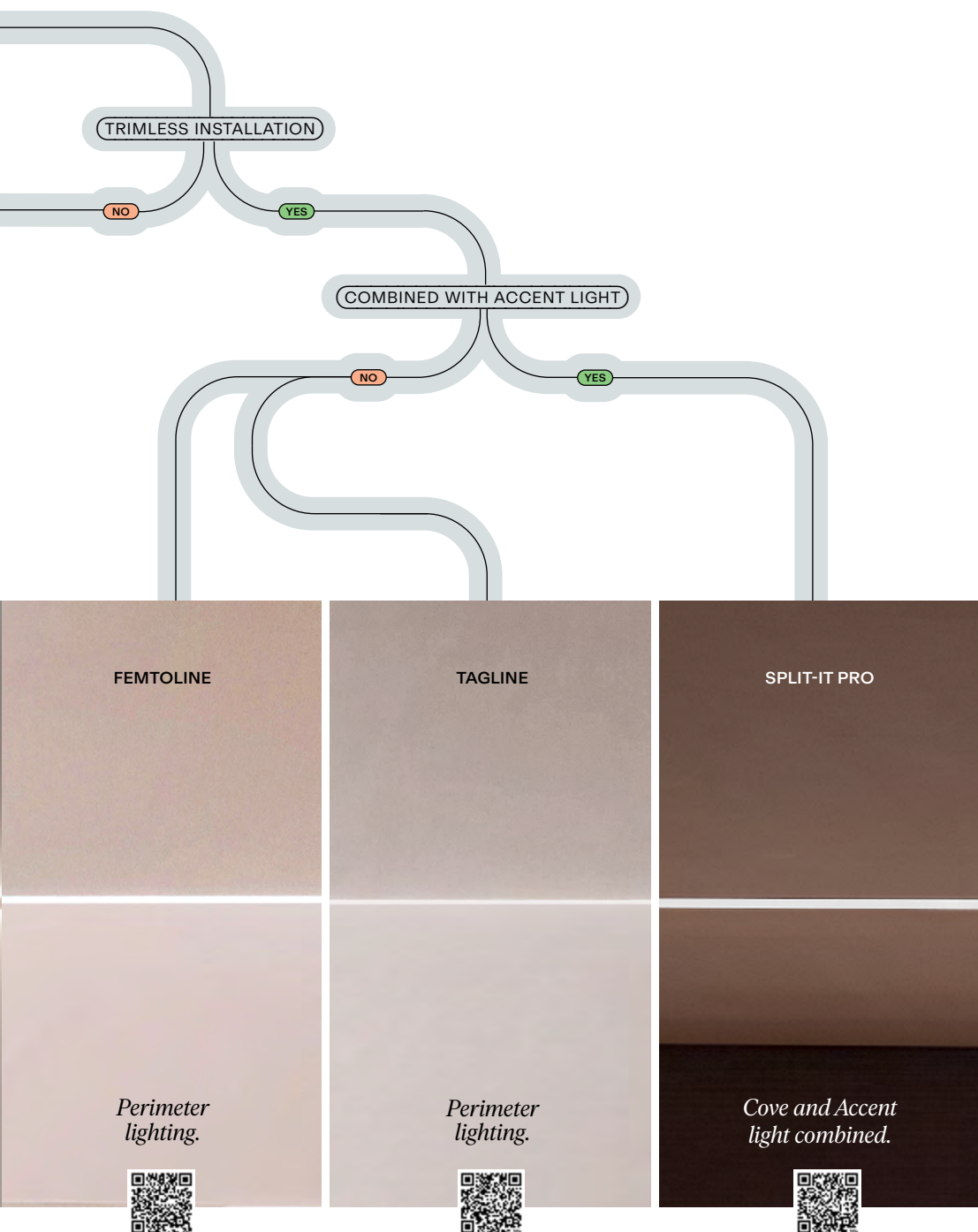


WALL-MOUNTED

Product.

INDIRECT LIGHTING

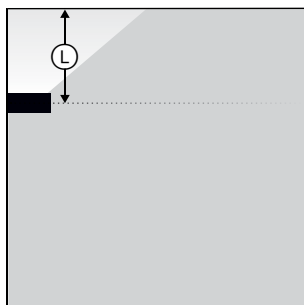




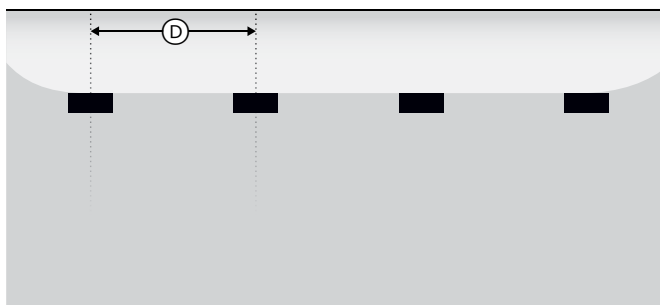
Product.

INDIRECT LIGHTING

WALL-MOUNTED



Ⓛ = distance to the ceiling



Ⓛ = luminaire interdistance



COVE LIGHTING



	GALA 215	SHELFLINE	CONNECT	FEMTOLINE	TAGLINE	SPLIT-IT PRO
<i>Unexpected functionality.</i>			●			●
<i>Architectural integration.</i>		●				●
<i>Powerful uplight.</i>	●			●		
<i>Perimeter lighting.</i>				●	●	
<i>Cove and Accent lighting combined.</i>						●
INDIRECT LIGHTING TYPE OPTICS						
COVE LIGHTING		●	●	●	●	●
WALL-MOUNTED	●					
COLOR TEMPERATURE						
2700K	●	●	●	●	●	●
3000K	●	●	●	●	●	●
3500K	●	●	●	●	●	●
4000K		●	●	●	●	●
SOFT DIM				●		●
TUNABLE WHITE				●		●
RGB(-TW)				●		●
CRI						
>90	●	●	●	●	●	●
INSTALLATION						
RECESSED TRIMLESS				●	●	●
RECESSED WITH TRIM		●		●	●	
SEMI-RECESSED						
SURFACE-MOUNTED	●	●	●	●	●	
SUSPENDED				●	●	
LOW / LINE VOLTAGE SYSTEM						
LOCATION						
INDOOR	●	●	●	●	●	●
OUTDOOR						

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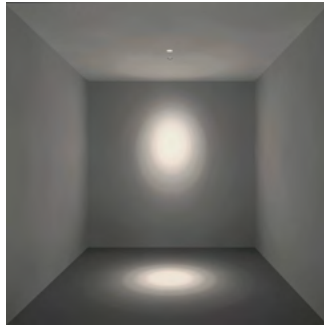
Product.

ACCENT LIGHTING



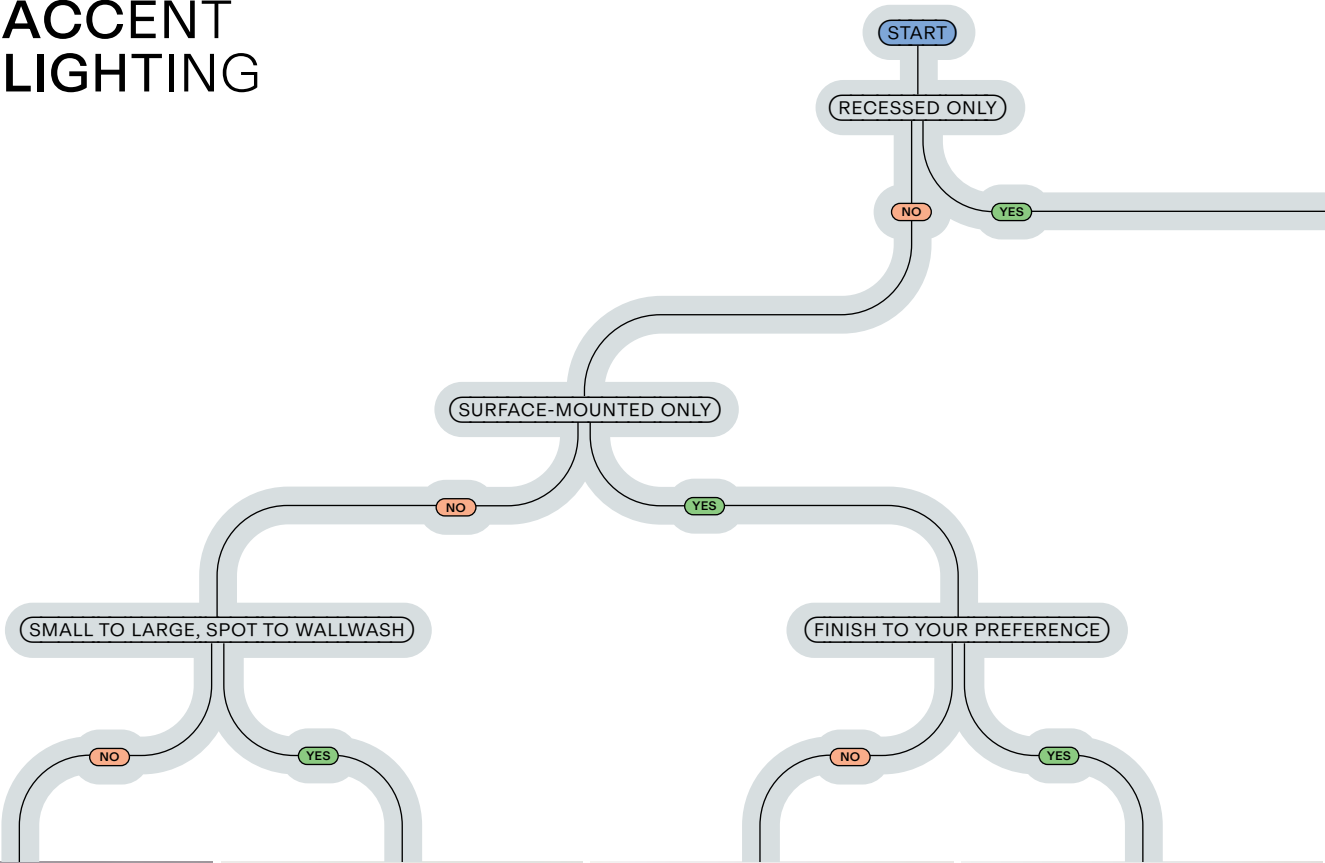
ACCENT LIGHTING

Accent lighting is used to **create visual interest by highlighting specific features within a space** such as works of art, architectural details, plants, or textured walls. It draws the eye towards focal points and adds depth to a room's lighting design. In residential spaces, it is often layered with general and ambient lighting to achieve a more dynamic, sophisticated look.

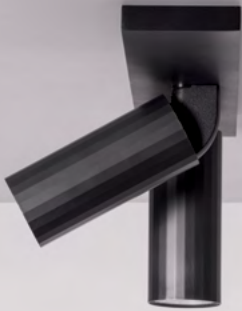


Product.

ACCENT LIGHTING



HEDRA



Unexpected design.



SPY



The all-around adjustable spotlight.



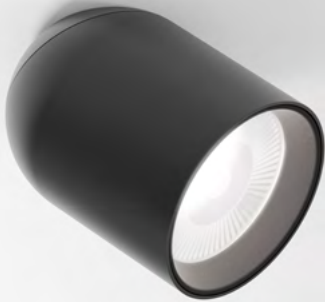
QOBY



Essential value, no extras.

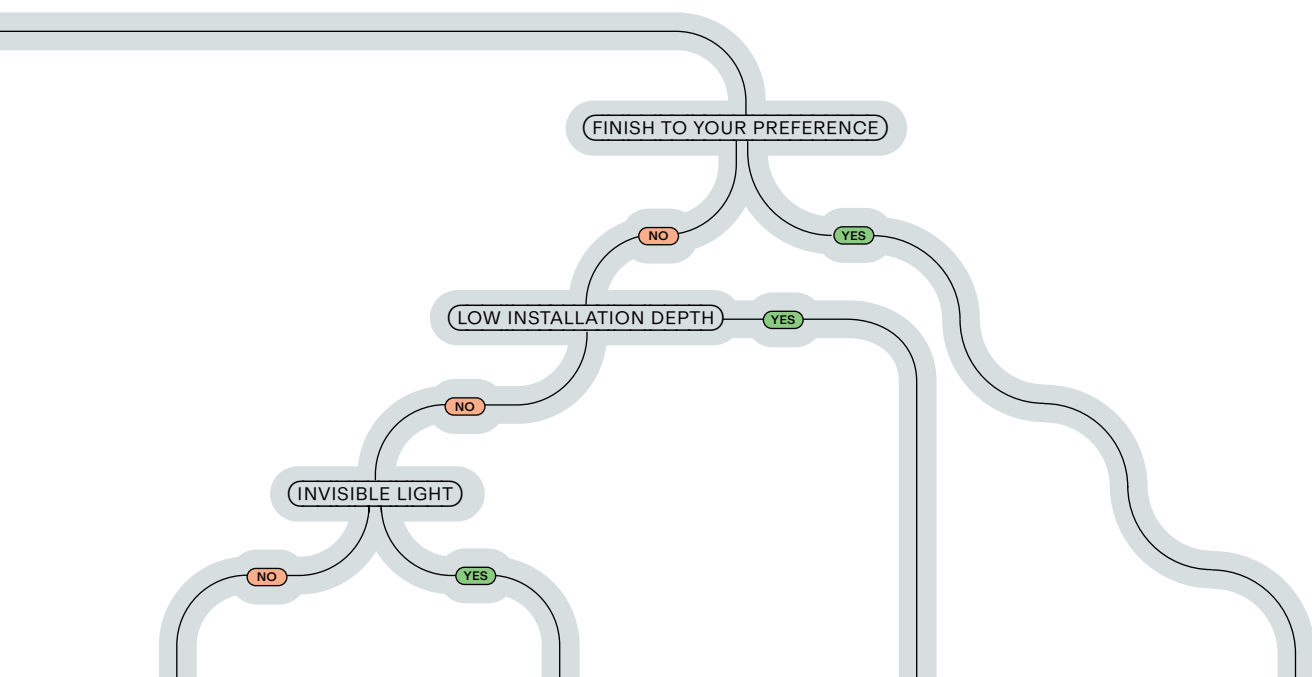


OBIN

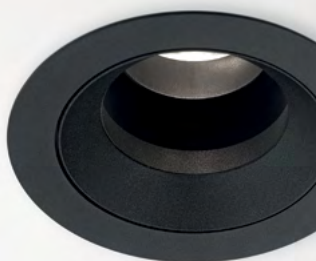


Unexpected functionality.





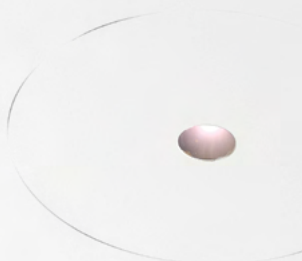
IMAX



*Ultimate
visual comfort.*



NIME



*Architectural
integration.*



PLAT-OH!
COMING SOON



*Accent light
from shallow ceilings.*



DEEP RINGO



*Refined design
in a range of finishes.*



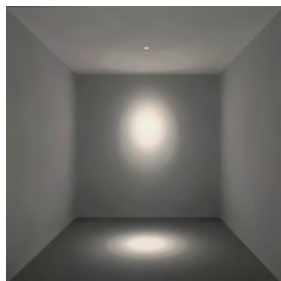
Product.

ACCENT LIGHTING

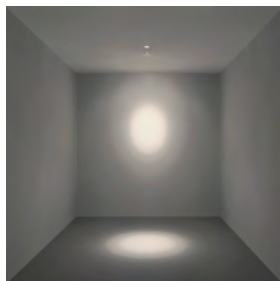
FIXED BEAM

A fixed beam spotlight provides a **steady, well-defined light spread**, perfect for highlighting specific elements in the home, like artwork or architectural details. It can also be used to illuminate a room with consistent, even light, making it ideal for creating a balanced ambiance within living spaces, dining rooms, or hallways. With no need for adjustment, it delivers reliable performance and a clean, intentional look.

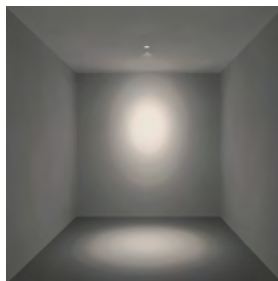
SUPER SPOT <11°



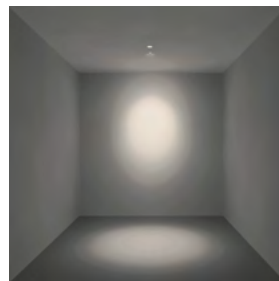
NARROW SPOT 11°–19°



MEDIUM NARROW SPOT 20°–29°



MEDIUM SPOT 30°–41°

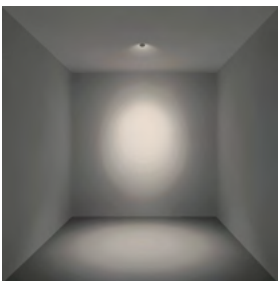


FOCUSABLE BEAM

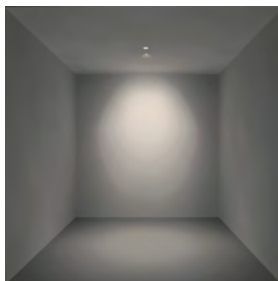
A focusable beam spotlight offers **adjustable light spread**, allowing you to fine-tune the beam from narrow to wide depending on what is being highlighted.

It is perfect for dynamic residential spaces, adapting easily to changing furniture layouts, seasonal decor, or evolving lighting needs.

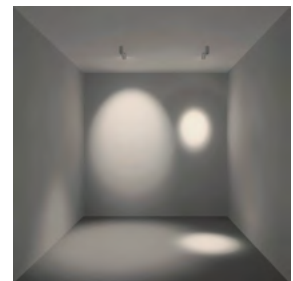
MEDIUM WIDE SPOT
42°–53°



FLOOD
>53°



FOCUS



Product.

ACCENT LIGHTING

ACCESSORIES

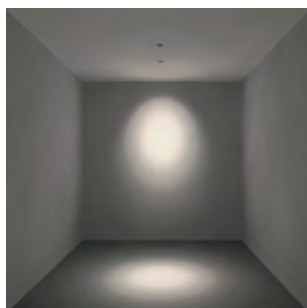
The accessories play a crucial role in **optimizing the performance** and aesthetic impact of spotlights in a residential environment.

Accessories for accent lighting, highlighting a work of art or creating a specific atmosphere can enhance the functionality and flexibility of the luminaire, allowing precise control over the direction, intensity, and spread of light.

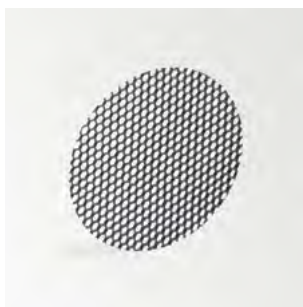
Accessories are essential to achieve the desired lighting effects, ensuring that the light blends seamlessly with the home's decor, enhances the atmosphere, and meets the specific needs of the space.

These accessories include honeycomb grids, softening lenses, elliptical lenses, and more.

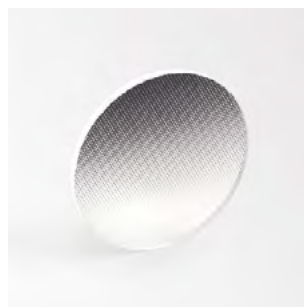
LENS - NO ACCESSORIES
BEAM ANGLE: 12°



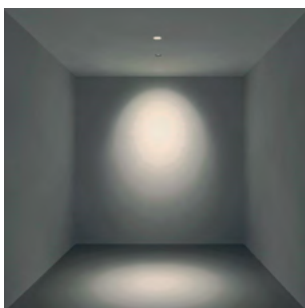
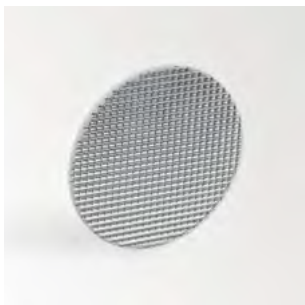
LENS 12° + HONEYCOMB
BEAM ANGLE: 12°



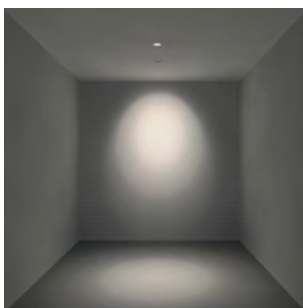
LENS 12° + SOFTENING LENS
BEAM ANGLE: 17°



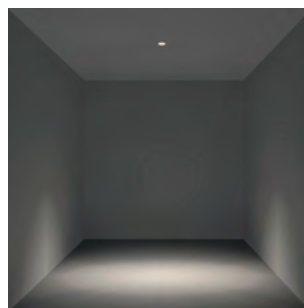
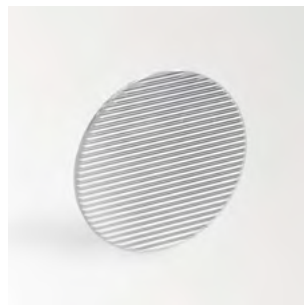
SPREAD LENS
BEAM ANGLE: 19°



LENS 12° + SBL LENS
BEAM ANGLE: 21°



LINEAR SPREAD LENS
BEAM ANGLE: 13° x 30°



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Product.

ACCENT LIGHTING



ACCENT LIGHT WITH FRAMER



STANDARD ACCENT LIGHT

FRAMER

When a space calls for focused, precise illumination to highlight specific features, a more advanced lighting solution is the perfect answer.

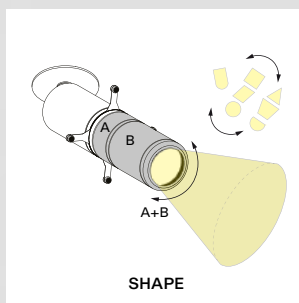
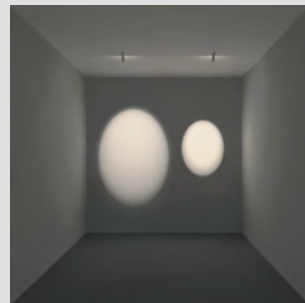
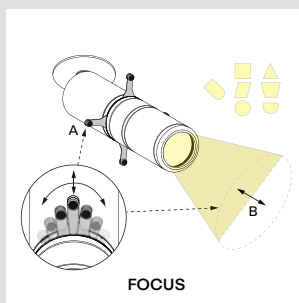
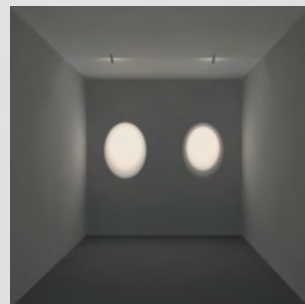
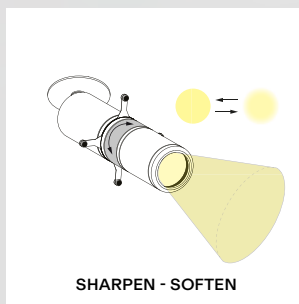
In these situations, a luminaire with precise beam control becomes essential. The Spy 39 Framer spotlight is designed for exactly this purpose, delivering targeted illumination to enhance the functional and aesthetic appeal of residential spaces.

Perfect for accenting artwork or architectural elements, the Spy 39 Framer enables you to shape the light beam with clean, defined edges, avoiding unwanted spill onto surrounding areas.

This level of precision brings depth, focus, and a refined sense of design to living rooms, hallways, and home galleries, creating a carefully curated and visually engaging atmosphere.

The Spy 39 Framer combines three powerful features in a single, visually attractive unit:

- ① **Sharpen or soften the light beam**
- ② **Focus** the light beam (15°–36°)
- ③ **Shape** the light beam



Product.

ACCENT LIGHTING

NIME



IMAX



CARREE



REO



PLAT-OH!
COMING SOON



DEEP RINGO



ENTERO



PARTOU



GRID



DOT.COM



BOXY



QOBY



NEEDLE



SPY



OBIN



HALOSCAN



ODRON



OCTAV



HEDRA



	NIME	IMAX	CARREE	REO	PLAT-OH	DEEP RINGO	ENTERO	PARTOU	GRID	DOT.COM	BOXY	QOBY	NEEDLE	SPY	OBIN	HALOSCAN	ODRON	OCTAV	HEDRA
<i>Ultimate visual comfort.</i>		•				•				•									
<i>Unexpected design.</i>				•											•	•	•	•	•
<i>Unexpected functionality.</i>	•								•				•		•				
<i>Architectural integration.</i>	•	•		•		•	•			•				•					
<i>Refined design in a range of finishes.</i>						•								•					•
<i>The all-around adjustable spotlight.</i>														•					
<i>Accent light from shallow ceilings.</i>					•														
<i>Essential value, no extras.</i>								•				•							
OPTICS																			
SUPER SPOT <11°							•												
NARROW SPOT 11°–19°		•		•		•			•	•			•	•		•			
MEDIUM NARROW SPOT 20°–29°		•		•	•	•	•	•	•		•			•	•	•	•	•	
MEDIUM SPOT 30°–41°	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•
MEDIUM WIDE SPOT 42°–53°	•		•	•		•	•		•	•									•
FOCUSABLE BEAM	•													•					
WALLWASHING	•						•			•				•					
FRAMER														•					
ACCESSORIES																			
HONEYCOMB / VISOR		•					•							•	•	•			•
GLASS SBL		•					•							•					
SPREAD LENS		•					•							•					
LINEAR SPREAD LENS		•					•							•		•			
SOFTENING LENS		•					•							•					•
COLOR TEMPERATURE																			
2700K	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3000K	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3500K	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4000K																			
SOFT DIM		•	•	•	•	•	•							•		•			
TUNABLE WHITE							•							•					
RGB(-TW)																			
CRI																			
>90	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
INSTALLATION																			
RECESSED TRIMLESS	•	•	•		•	•	•		•	•				•					
RECESSED WITH TRIM	•	•	•	•	•	•	•	•	•	•				•		•			
SEMI-RECESSED													•	•		•	•		•
SURFACE-MOUNTED									•	•	•	•	•	•	•		•		•
SUSPENDED											•			•					•
LOW / LINE VOLTAGE SYSTEM										•	•		•	•	•	•	•	•	•
LOCATION																			
INDOOR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
OUTDOOR			•	•		•	•				•								

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Product.

WALLWASHING WALLGRAZING

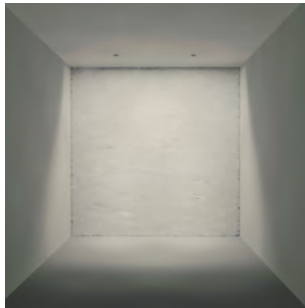


WALLWASHING and WALLGRAZING

These techniques emphasize vertical surfaces.

Wallwashing is used to **evenly illuminate vertical surfaces** with a soft and uniform light that reduces shadows and enhances the perception of space.

Wallgrazing is used to **highlight the structure of a wall** by grazing the light across its surface creating depth and visual interest.



WALLWASHING

Soft, even light to flatten and brighten walls.

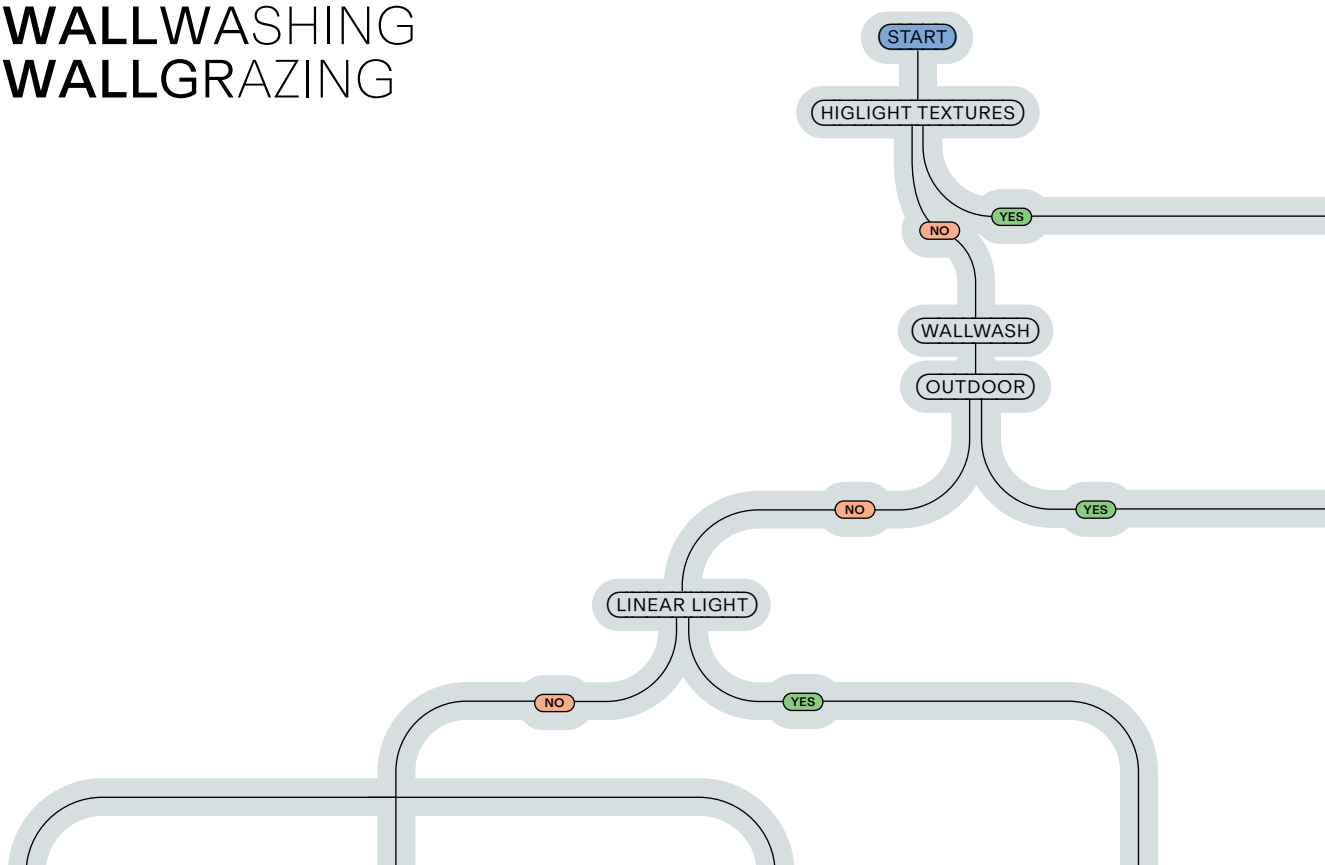


WALLGRAZING

Sharp, directional light to reveal texture and create visual interest.

Product.

WALLWASHING WALLGRAZING



NIME
COMING SOON



*Architectural
integration.*



ENTERO



*From small to large,
one for all.*



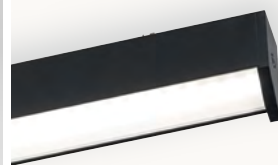
SPY



*Wallwashing
from an adjustable spotlight.*



DOT.COM



*Linear wall-
& floorwashing.*





LOGIC



*Wallwashing from
an in-ground uplight.*



FRAX



*The projector
for an evenly lit façade.*



FEMTOLINE



*Linear
wallgrazing.*



LOGIC LINEAR



*Vertical illuminance
from an in-ground uplight.*

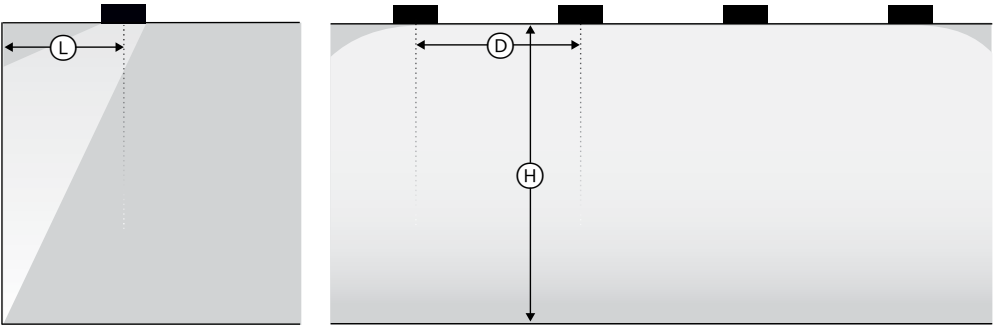


Product.

WALLWASHING

WALLGRAZING

WALLWASHING



Ⓛ = distance to the wall ⓓ = luminaire interdistance Ⓜ = installation height

NIME COMING SOON	ENTERO	SPY	DOT.COM	LOGIC	FRAX
					
$\text{Ⓛ} = \text{Ⓜ} \times 0.33$ $\text{ⓓ} = \text{Ⓜ} \times 0.33$	$\text{Ⓛ} = \text{Ⓜ} \times 0.30$ $\text{ⓓ} = \text{Ⓜ} \times 0.40$	$\text{Ⓛ} = \text{Ⓜ} \times 0.33$ $\text{ⓓ} = \text{Ⓜ} \times 0.40$	$\text{Ⓛ} = \text{Ⓜ} \times 0.40$ $\text{ⓓ} = \text{Ⓜ} \times *$	$\text{Ⓛ} = \text{Ⓜ} \times 0.33$ $\text{ⓓ} = \text{Ⓜ} \times 0.33$	$\text{Ⓛ} = \text{Ⓜ} \times 0.33$ $\text{ⓓ} = \text{Ⓜ} \times 0.33$
		TILTING 20°	* DEPENDING ON PRODUCT LENGTH, REFER TO SPEC SHEET		TILTING 30°

WALLGRAZING



	NIME	ENTERO	SPY	DOT.COM	LOGIC	FRAX	FEMTO LINE WG	LOGIC LINEAR
<i>Architectural integration.</i>	•							
<i>From small to large, one for all.</i>		•						
<i>Wallwashing from an adjustable spotlight.</i>			•					
<i>Linear wall- & floorwashing.</i>				•				
<i>Wallwashing from an in-ground uplight.</i>					•			
<i>The projector for an evenly lit façade.</i>						•		
<i>Linear wallgrazing.</i>							•	
<i>Vertical illuminance from an in-ground uplight.</i>								•
OPTICS								
WALLWASHING	•	•	•	•	•	•		
WALLGRAZING					•	•	•	•
COLOR TEMPERATURE								
2700K	•	•	•	•	•	•	•	•
3000K	•	•	•	•	•	•	•	•
3500K	•	•	•	•	•		•	•
4000K					•		•	•
SOFT DIM		•	•				•	
TUNABLE WHITE		•					•	
RGB(-TW)							•	
CRI								
>90	•	•	•	•	•	•	•	•
INSTALLATION								
RECESSED TRIMLESS	•	•		•				
RECESSED WITH TRIM	•	•		•	•			•
SEMI-RECESSED			•					
SURFACE-MOUNTED				•		•	•	•
SUSPENDED								
LOW / LINE VOLTAGE SYSTEM			•	•				
LOCATION								
INDOOR	•	•	•	•			•	
OUTDOOR		•			•	•		•

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Product.

TASK LIGHTING



TASK LIGHTING

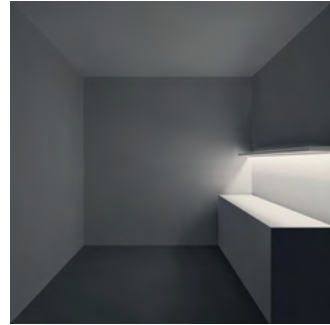
Task lighting provides **focused illumination for specific activities** or areas that require enhanced visibility. It ensures both safety and subtle style without overwhelming the space.



STUDIO LIGHTS are optimized for **visual performance and comfort**, making them ideal for environments where people need to focus for extended periods. These luminaires typically offer **low UGR** to minimize discomfort and **high-quality optics** to spread the light exactly where it's needed and support clarity and visual acuity.



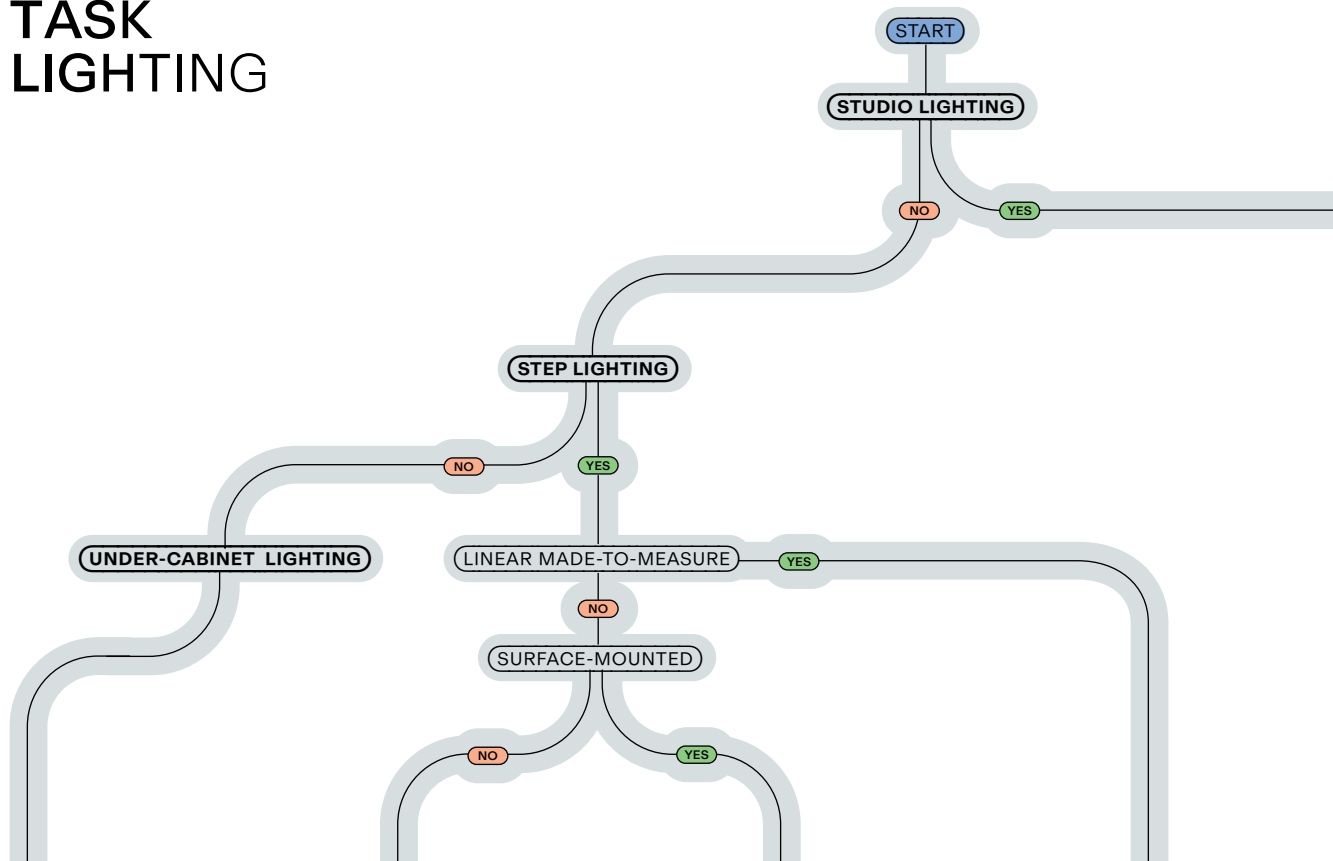
STEP LIGHTS are low-level luminaires integrated into vertical or horizontal surfaces to **guide movement** and enhance safety, especially in low-light conditions. Rather than illuminating a workspace, their role is to provide subtle, directional cues that help users orient themselves.



UNDER-CABINET/COUNTERTOP LIGHTING are luminaires mounted beneath cabinets, shelves, or overhead cupboards to provide **focused illumination on work surfaces**. Often hidden from view, they deliver practical, shadow-free light exactly where hands and eyes meet.

Product.

TASK LIGHTING



SHELFLINE



*Integrated
cupboard lighting.*



INLET



*Architectural
integration.*



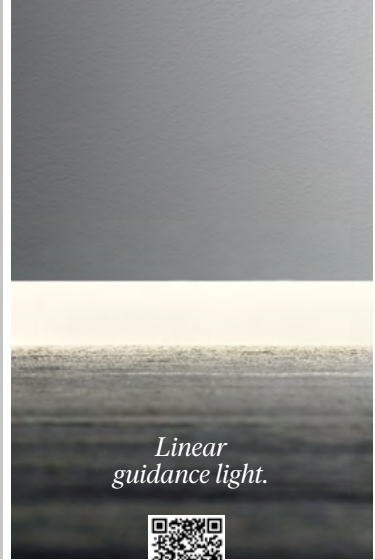
SKIX S



*Surface-mounted
steplight.*

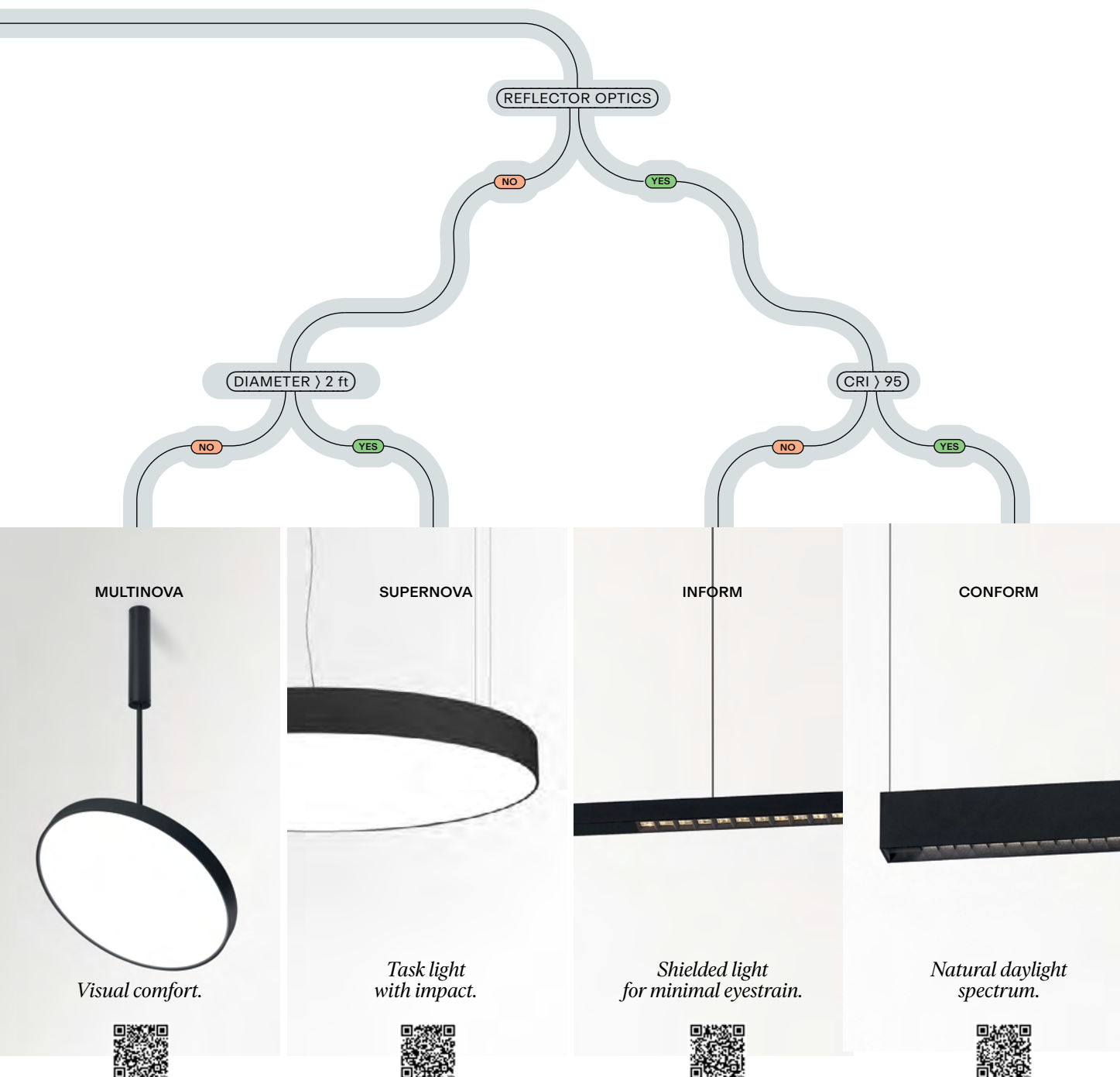


BORDERLINE



*Linear
guidance light.*





Product.

TASK LIGHTING

UNDER-CABINET / COUNTERTOP

SHELFLINE



STUDIO LIGHTING

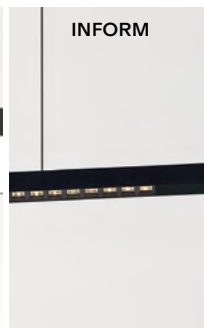
MULTINOVA



SUPERNOVA



INFORM



CONFORM



STEP LIGHTING

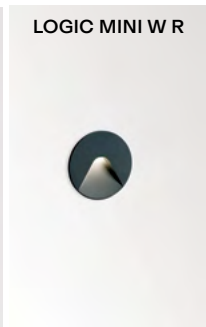
SKIX S



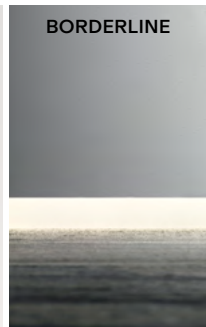
LEDS C / GO



LOGIC MINI W R



BORDERLINE



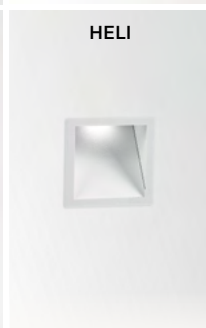
INLET



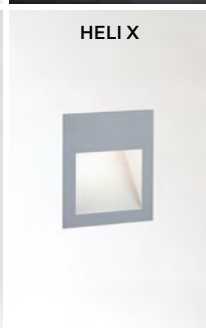
LOGIC W S



HELI



HELI X



	SHELF LINE	MULTINOVA	SUPERNOVA	INFORM	CONFORM	SKIX S	LEDSC / GO	LOGIC W R	BORDERLINE	INLET	LOGIC MINI W R	HELI	HELI X
<i>Visual comfort.</i>		•	•	•	•		•	•	•	•	•	•	•
<i>Shielded light for minimal eyestrain.</i>				•	•			•	•	•	•	•	•
<i>Architectural integration.</i>							•	•	•	•		•	
<i>Integrated cupboard lighting.</i>	•					•							
<i>Surface-mounted steplight.</i>													
<i>Linear guidance light.</i>	•								•				
<i>Task light with impact.</i>		•	•	•	•								
<i>Natural daylight spectrum.</i>													
TASK LIGHT TYPE													
UNDER-CABINET / COUNTERTOP	•												
STEP LIGHTING						•	•	•	•	•	•	•	•
STUDIO LIGHTING		•	•	•	•								
COLOR TEMPERATURE													
2700K	•			•			•		•	•			
3000K	•	•	•	•	•		•	•	•	•	•	•	•
3500K	•		•	•	•				•				
4000K	•						•		•				
SOFT DIM		•							•				
TUNABLE WHITE			•	•					•		•		
RGB(-TW)									•				
CRI													
>90	•	•	•	•	•		•		•		•		•
>80								•		•		•	
INSTALLATION													
RECESSED TRIMLESS		•	•						•				
RECESSED WITH TRIM	•			•				•		•	•	•	•
SEMI-RECESSED													
SURFACE-MOUNTED	•	•	•	•									
SUSPENDED		•	•	•	•								
FLOOR STANDALONE				•									
LOW / LINE VOLTAGE SYSTEM		•		•									
LOCATION													
INDOOR	•	•	•	•	•	•	•	•	•	•	•	•	
OUTDOOR						•	•	•			•		•

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Product.

DECORATIVE LIGHTING



DECORATIVE LIGHTING

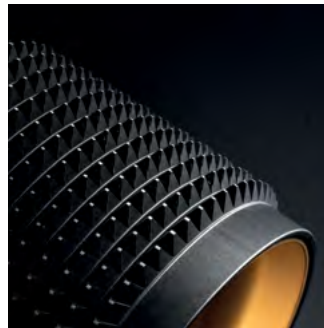
Decorative lighting **elevates residential interiors by combining functional illumination with aesthetic appeal.**

Luminaires like pendants, wall sconces, and floor lamps act as focal points, enhancing spatial hierarchy and adding visual interest throughout the space.

FINISHES



UNEXPECTED DETAIL



MATERIALS



LIGHTING EFFECT

Product.

DECORATIVE LIGHTING

Decorative lighting goes beyond function — it introduces **character, emotion,** and **visual identity** to a space. These luminaires serve as design statements, enhancing the overall atmosphere while complementing architectural elements and interior styling.

Unlike general or task lighting, the primary role of decorative lighting is **to attract the eye, set a mood, or define focal points.** Whether bold and sculptural or minimal and refined, these luminaires contribute to the personality of a room just as much as furniture or art.

HIGH PROFILE



XY180



HEDRA C



MILES





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GLOSSARY.

Luminous Intensity

Amount of luminous flux radiating in each direction
Unit: Candela (cd)

Luminous Flux

Total amount of light emitted by a light source or luminaire
Unit: Lumen (lm)

Luminance

Brightness of an illuminated or luminous surface
Unit: Candela/ft (cd/ft)

Illuminance

Total luminous flux incident on a surface
Unit: Lux (lx) -or- Footcandle (fc)

Task Area

Area where visual tasks are performed

CCT

(Correlated Color Temperature)
Body temperature of a thermal radiator which serves to describe its light color.
Unit: Kelvin [K].
The lesser the numerical value the redder; the greater the numerical value the bluer the light color.

Soft Dim technology

Warms the color temperature as light dims, simulating incandescent behavior (3000-1800K).

Tunable White

Lighting systems can replicate the body's natural cycle by adjusting the color temperature of the light emitted (1800-4000K or 2700-6500K).

Color Rendering

This refers to the light source's ability of the light source to show the color of an object 'realistically' compared to a reference source.
The two methods used to assess the color rendering abilities of light sources are CRI and TM-30.

CRI

(Color Rendering Index)
The CRI is a single numerical value (Ra) representing the average color rendering across eight standard color samples (R1-R8). Although the R9 to R14 values are measured, they have no impact on a product's CRI rating.
CRI has been the standard method for many years, but it has limitations, including its reliance on outdated color samples and its inability to represent the color rendering of LED light sources accurately.

TM-30

TM-30 is a newer method that provides more comprehensive and detailed information than CRI. It comprises three primary components: fidelity index (Rf), gamut index (Rg) and the color vector graphic.

SDCM

(Standard Deviation of Color Matching)
It is a measure used to describe the color consistency of light sources.
SDCM is represented in MacAdam ellipses, which describe the boundaries within which the color variation is considered acceptable. The smaller the number of steps, the tighter the color consistency.

Flicker

Flicker in lighting refers to rapid and often unintentional variations in the intensity of light output. It can be visible (perceptible to the human eye) or invisible (not directly noticeable but potentially affecting health).
Flicker can be caused by fluctuations in the power supply, the type of light source, or the method used to control the light intensity. The two main methods of controlling light intensity are Pulse Width Modulation (PWM) and Constant Current Reduction (CCR).

PWM

(Pulse Width Modulation)
PWM is a technique used to control the brightness of a light source by rapidly switching it on and off at a high frequency to prevent the eye from seeing this flicker. However, invisible flicker can have a subconscious impact on well-being.

CCR

(Constant Current Reduction)
CCR, also known as analog dimming, involves reducing the current supplied to the light source to control its brightness. This method provides a continuous and steady flow of current, which directly reduces the light output without switching it on and off.
This dimming typology is completely flicker-free.

U_o

(Uniformity)
It is defined as the ratio of minimum to average illuminance (E_{min}/E_{avg}).

Reverberation

Reverberation in acoustics refers to the persistence of sound in an enclosed space after the original sound source has stopped.
This phenomenon occurs due to the multiple reflections of sound waves off surfaces such as walls, ceilings, and floors.

Luminaire Efficiency

(LOR - Light Output Ratio)

This typically refers to the overall performance of a luminaire in converting electrical energy into visible light. It's a measure of how effectively a lighting system utilizes energy to produce light.

The efficiency is usually expressed as a percentage, with higher percentages indicating a more efficient use of energy.

Luminaire Efficacy

This measures the amount of visible light produced by a luminaire for a given amount of electrical power input. It's a measure of how efficiently a light system converts electrical energy into visible light output.

Lighting efficacy is typically expressed in units of lumens per watt (lm/W), where lumens represent the amount of visible light produced, and watts represent the electrical power input.

Higher efficacy values indicate that a lighting system produces more light output per unit of electrical power consumed, making it more energy efficient.

LPD

(Lighting Power Density)

This is a measure of the electrical power used by a lighting system per unit area. It is an important parameter for the design and evaluation of lighting systems in a building because it is directly related to energy consumption and efficiency.

It is usually expressed in watts per square meter (W/m²) or watts per square foot (W/ft²). Lower LPD values indicate more energy-efficient lighting systems.

BIBLIOGRAPHY - NORMS

NFPA 70 (National Electrical Code) - Article 410 luminaires

ANSI/IES TM-30-20, IES Method for Evaluating Light Source Color Rendition

CIE 013.3-1995, Method of measuring and specifying color rendering properties of light sources

NFPA 101 (Life Safety Code) - Emergency lighting requirements

ANSI/IES RP-10-20+E1: Lighting common applications

ANSI/IES RP-1-22: Lighting office spaces

ANSI/IES RP-27-20 - Photobiographical safety for lighting systems

ASTM C634 – Standard classification for NRC

ASTM C423 – Sound absorption in reverberation

ASTM E795 – Mounting of sound absorptive materials for testing

*Thesaurus from the Greek Thesauros,
a dictionary or encyclopaedia but also a treasury.*



This is our Thesaurus, our treasure, our guide to the use of light to enhance comfort. It is intended to serve as your reference guide, providing detailed information and insights into all aspects of lighting. **RESIDENTIAL** is the second of five books that will be released in the coming months, in which we will cover different fields and industries and how they use light in architecture for optimal results. Explore our Thesaurus collection to discover the perfect lighting solutions that align with your aesthetic needs and preferences. Together we will ensure that every corner of your space is perfectly lit.

Thesaurus was brought to life through the collaboration of the following contributors, whose expertise, creativity, and dedication enriched every page:

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