

LAMP
Worktitude for light

reXel | LIGHTING
SOLUTIONS

Flexible lighting
systems in new
workspaces



Introduction

Flexible workspaces require flexible lighting systems.

LAMPTUB 60, one of the different solutions offered by **NOMADIC SYSTEM**, is the *most adaptable luminaire that meets the needs of constantly evolving spaces*, responding to the new work environment paradigm thanks to its lighting versatility and multiple installation options.



New workspaces

The **way in which employees relate to their workspaces has changed**. For some time now, more and more entrepreneurs have been aware of the work environment importance and of **how environmental factors influence the employees' productivity**.

The **impact of the pandemic** has boosted certain trends that have been on the rise in recent years and are definitely here to stay.

The increase in remote working during 2020, which, in Spain, rose from 5% to 34% during the pandemic, has led to **hybrid models** that combine remote with face-to-face work.

Offices are still considered as necessary spaces for socialising, which creates a sense of belonging, and for **fostering collaboration, the exchange of ideas and creativity**. Besides, they must provide the same feeling of **comfort and well-being** of remote work, like "being at home", so that going to the office is not a problem for employees.



Photo: Copernico / Unsplash

After a significant drop in 2020, physical offices are recovering, but there is a preference for more sustainable spaces that are easier to integrate into the environment. Social areas are watched and spaces that promote cross-sectional and collaborative work are promoted.

This has a direct impact on employees' well-being, which, in turn, leads to an increase in productivity and creativity.

These new workspaces **must be more versatile.**



New labour organisation models place a high value on the human aspect. They are highly collaborative and innovative models that require the encouragement and involvement of employees. Therefore, workspaces tend to be more cross-sectional, without hierarchies, **imitating the co-working model** in which the workspace becomes fluid and hybrid, breaking down communication barriers.

Another rising trend is the predominant orientation towards improving users' well-being and ensuring environmental comfort in terms of acoustic, thermal, lighting and air quality aspects.

In addition to sustainability criteria, these are the pillars that support environmental ergonomics for employees, thus reducing the impact on the environment, both in the building process and during the life cycle and use of buildings.

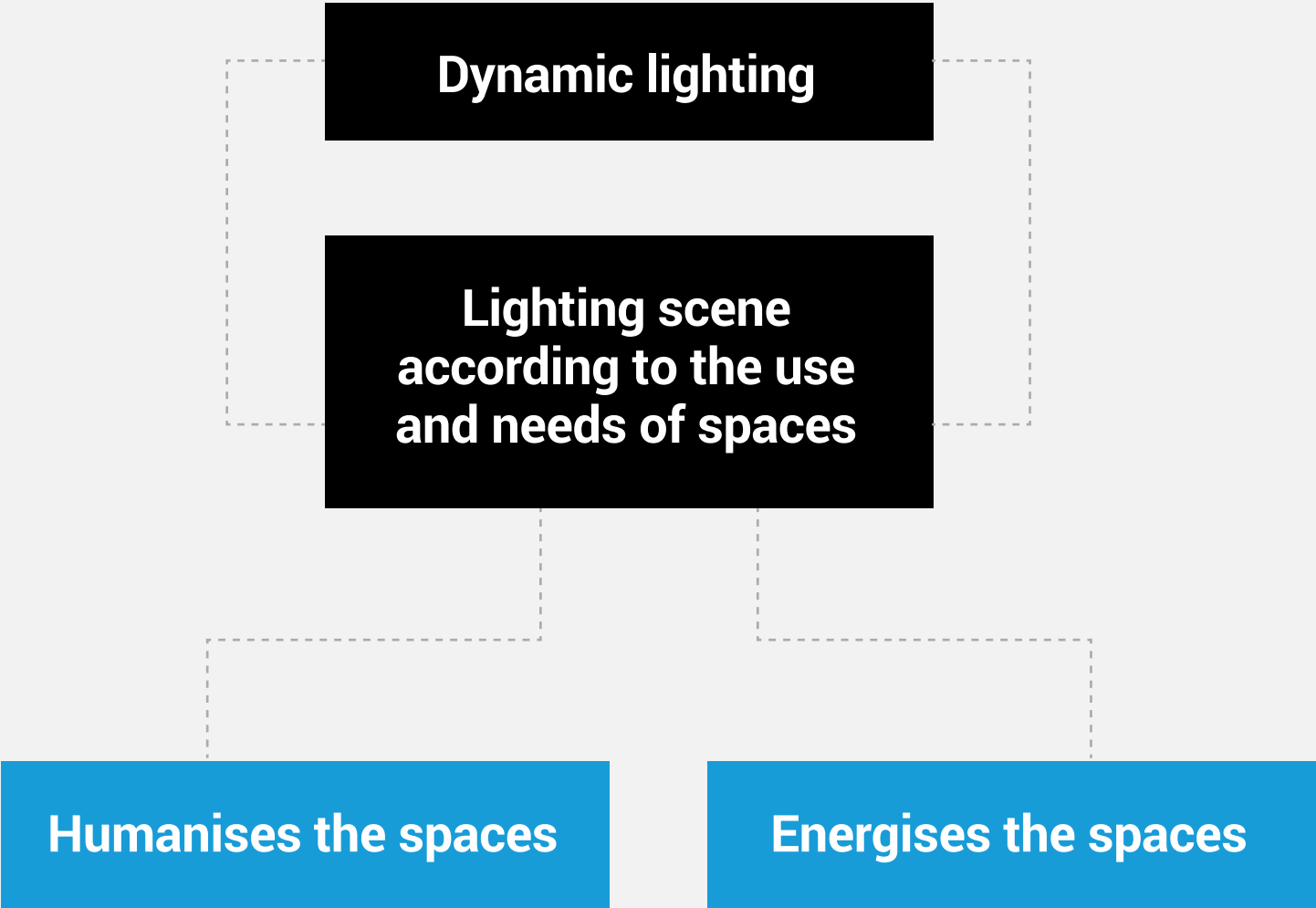
This paradigm shift is reflected in the **top 10 Global Commercial Real Estate Market Trends 2021** by JLL, the British consultancy company

- 1 **Hybrid future** – the transformation of workspaces to allow for the combination of remote and face-to-face work
- 2 **More human spaces** – environments that facilitate performance and collaboration
- 3 **The importance of health** – 58% of employees prioritise companies that guarantee their mental and physical well-being
- 4 **Digitisation** – dynamic and interconnected ecosystems
- 5 **Zero Emissions** – decarbonisation and sustainability
- 6 **Responsible environments** – contribute to a better world by means of spaces and corporate commitment
- 7 **Diversified urbanism** – location strategy integrated into a sustainable urban model
- 8 **Flexibility** – a key strategic tool in the post-pandemic era
- 9 **New metrics** – components such as human performance or responsible real estate are valued
- 10 **Resilience** – 42% of employees want to be part of a company that can adapt and innovate in the face of changes

It is necessary to anticipate these trends and start **redesigning workspaces** to make them: more understandable, flexible and adaptable to their new usage needs. Made up of customisable components that promote collaboration and creativity.

The **most suitable lighting mode** for these new workspaces must consider this need for flexibility, debunking the rigidity of lighting facilities and implementing appropriate technology according to the needs to achieve adequate colour temperature as well as good spectral power distribution.

However, considering the great dynamism and adaptability that these workspaces require, **dynamic lighting**, which encourages symbiosis between people (moods, lifecycle) and architectural spaces (their function), can be considered as one of the most appropriate due to its high degree of adaptability and customisation.



More human spaces

New workspaces are considered as *spaces for residents*, implying the **domestication of work environments**, which poses a number of challenges.

Adaptation of the workspace

Lighting should be considered as a flexible component that adapts to the employees' preferences and their functions. It aims at creating **spaces to foster collaboration and creativity**. Lighting should be as dynamic as people's needs.



Lighting to boost productivity

Environmental factors in workspaces influence people's well-being, which directly affects certain capacities such as performance or creativity.

According to a study conducted by the Staples company and based on information compiled from a survey in which participated more than 7,000 employees in 10 different countries:

- **80%** of office workers consider that lighting is important
- **40%** face poor lighting on a daily basis
- **32%** believe that they would be happier at work with better lighting

Lighting that humanises spaces and promotes positive mood, as well as appropriate energy levels, contributes to the physical and emotional well-being of employees and to greater motivation.

Quantitatively, studies have revealed the benefits of good lighting:

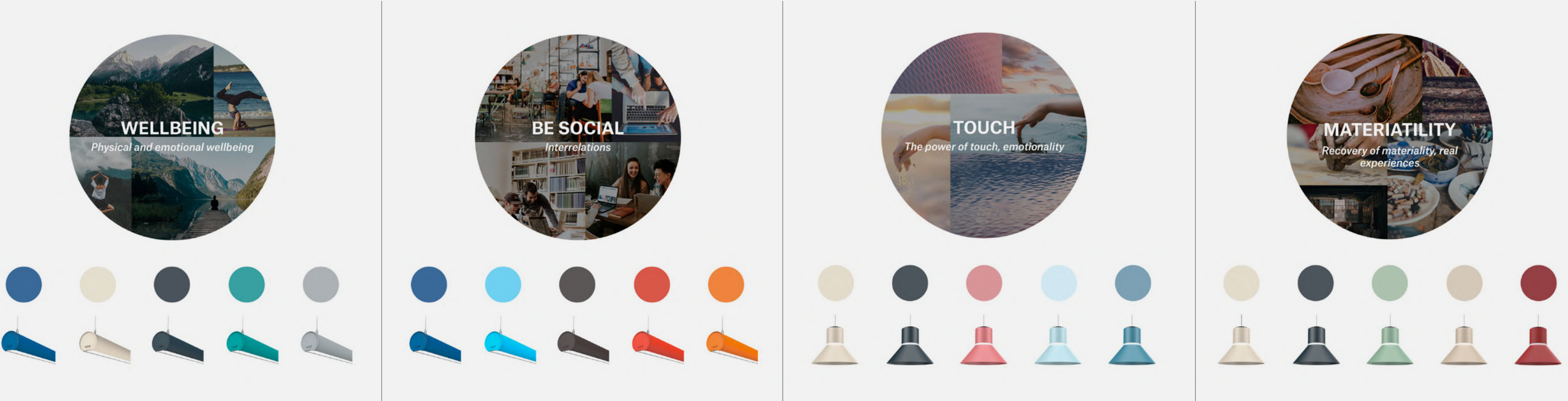
- Reduces the feeling of drowsiness during the first hours of the work day by 33%*
- Increases productivity by 4.5%**
- Decreases the accident and error rate by 2% due to an increased alert state**
- Increases the average employee tenure by up to 2 years due to improved commitment to the company**

The purpose is to create workspaces where people want to be.

*Choi, K., Shin, C., Kim, T. et al. Awakening effects of blue-enriched morning light exposure on university students' physiological and subjective responses. Sci Rep 9, 345 (2019).

** Quantified benefits of Human Centric Lighting.





Biophilia

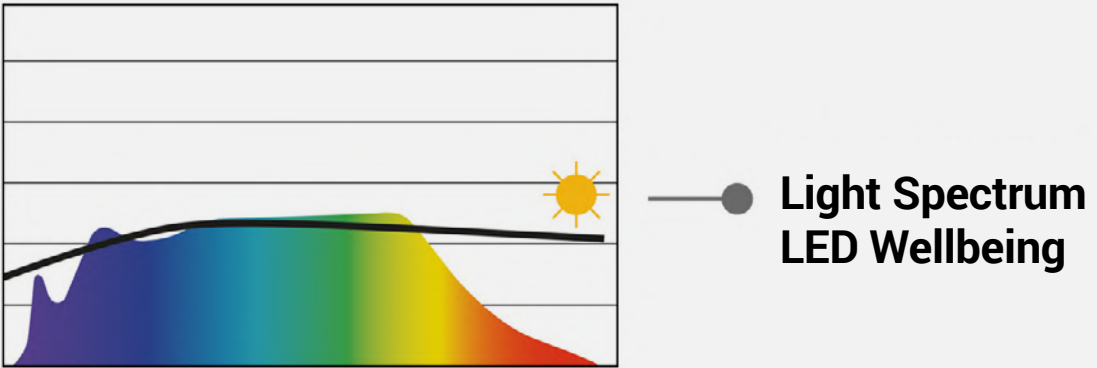
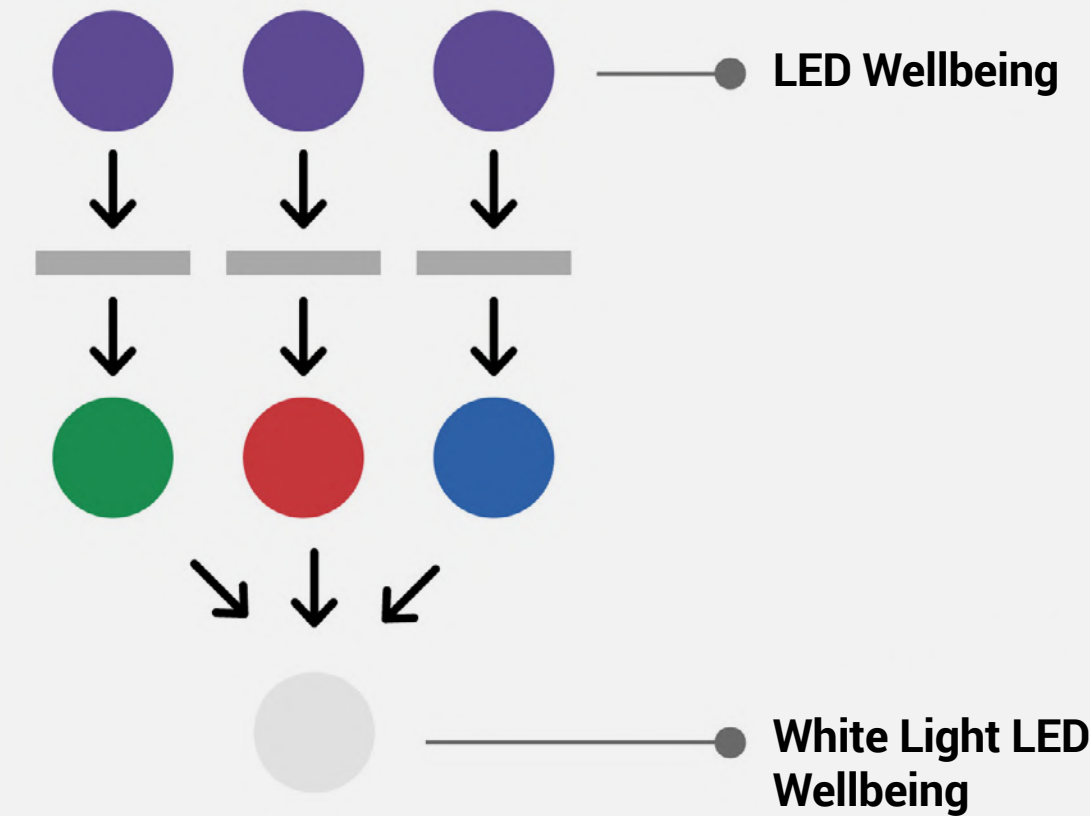
Another way to humanise spaces is the introduction of elements that are natural in terms of colour, materials, and composition.

Since the eighteenth century, the way in which colours influence the mood has been studied. For example, red is related to energy and vitality, orange is related to optimism, blue is related to confidence and safety, and pastel shades are related to order and balance.

For this reason, Lamp has introduced the new **Well-being, BeSocial, Touch, and Materiality** palettes of finishes **that promote sociability, well-being, excitement and connection with nature.**

The lighting technology can also bring everyone closer to nature indoors, providing light spectra that make artificial lighting more similar to sunlight in terms of composition and dynamism of the intensity and colour temperature, as is the case with **Well-being** technology.

WHITE LIGHT FORMATION



Nomadic System

In order to respond to new lighting challenges, at Lamp we have conceptualised and designed the **Nomadic System**, creating a modular lighting concept that provides the space with an integrated infrastructure that makes it possible to adopt a multitude of lighting configurations.

It is a simple but very versatile and effective concept thanks to its multiple installation possibilities with different types of luminaires. Based on a track that is available in different colours and easy to install, different luminaires can be coupled and even combined with each other in both the suspended and surface-mounted modes.

This type of flexible, adaptable, and dynamic lighting makes it possible to customise the environmental options depending on the user's preference and the needs of the task to be performed, as well as to adapt to spatial transformations. This is a break from the traditional paradigm of lighting based on rigid matrices of luminaires incapable of adapting to different spatial configurations.





These are some of the benefits of **Nomadic System**:

- **Versatile design** – Lighting that adapts to the needs of architectural and lighting design
- **Technological variety** – Multiple options to cover any need
- **Integration in space** – Modular system that facilitates any composition and is easily integrated into multiple ceiling types
- **Easy installation** – Simplification in the coordination of MEP (Mechanical, Electrical, Plumbing) installations and assembly
- **Dynamism** – Lighting system that easily adapts to special configuration changes
- **Sustainability** – Designed within a circular economy concept that facilitates the recovery and reuse of luminaires. In addition, it is a highly efficient system from an energy perspective, giving priority to the use of sustainable materials

Nomadic System is compatible with the Hance, Kombic Surface, Lamptub 60 y Stormbell 80, luminaires, another of LAMP's upcoming new launches.



HANCE

A family of **accent lighting spotlights** in which luminaire is manufactured in a single injection body (aluminium and LED) with three different installation possibilities (track, surface-mounted, or semi-recessed). Available in different sizes and powers, it offers several colour temperatures, opening angles, and finishes, as well as different lighting accessories that allow for more customisation possibilities.



KOMBIC 100

The KOMBIC family includes recessed and surface-mounted **downlights** for indoor general lighting. There are different ranges according to the size and luminous flux. They offer two lighting distributions: opal diffuser for maximum efficiency and wide flood optics for greater lighting control and well-being. New compact design that offers greater lighting versatility and high visual comfort.




STORMBELL 80

This new LAMP product is the result of a collaboration with the renowned artec3 Studio, which was in charge of the design, and OiKo Design Office, which worked on the use of more sustainable and sound-absorbent materials. It retains the rationalist inspiration of its predecessor but includes a miniaturised light body that is combined with four different hood models in different colours. Rational use of materials with a touch of emotion.

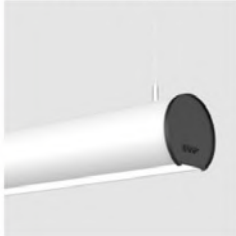
Available soon.

TRACK




+


LAMPTUB 60




STORMBELL 80

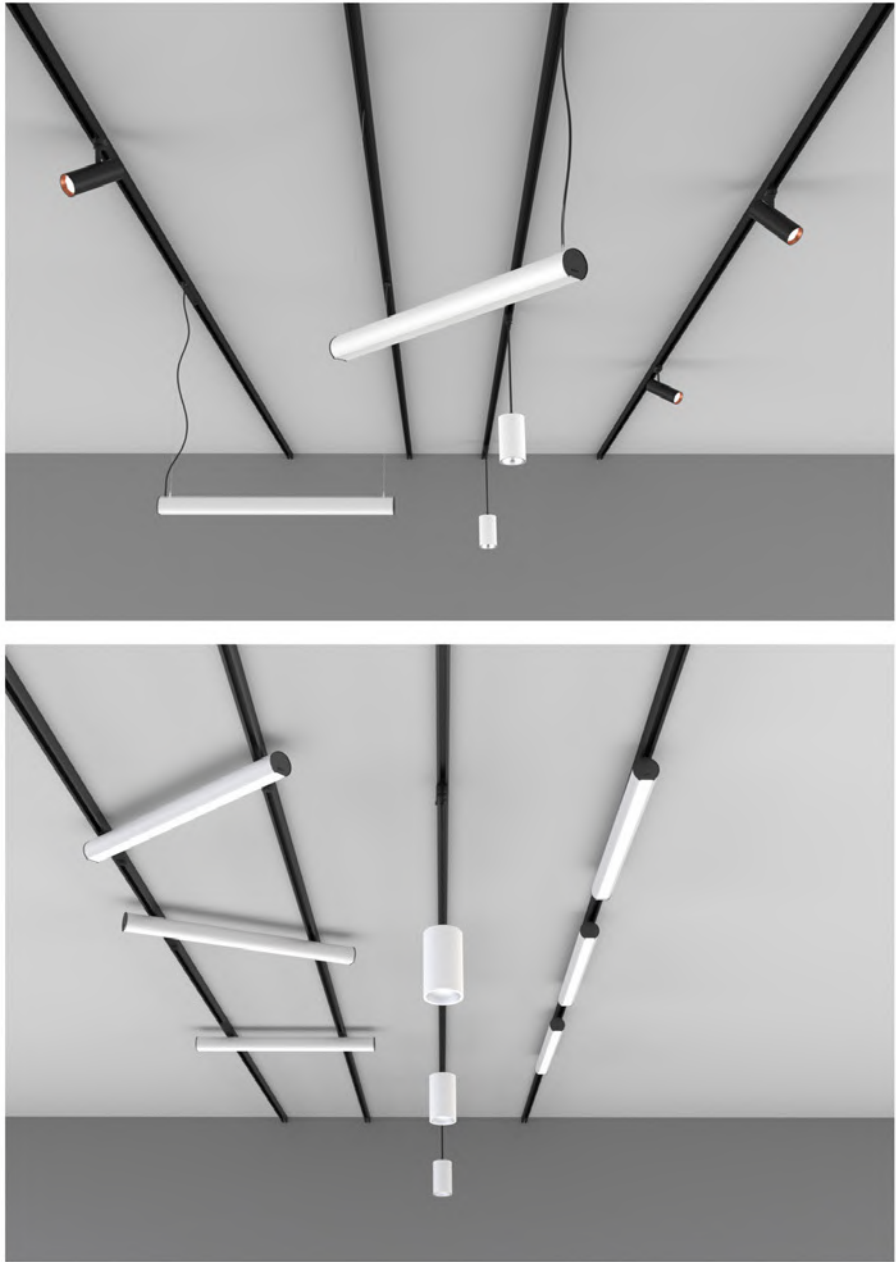


KOMBIC 100



HANCE





Lamptub 60

The renewed expression of a classic that adapts to the needs of constantly evolving and demanding spaces

Description and specifications

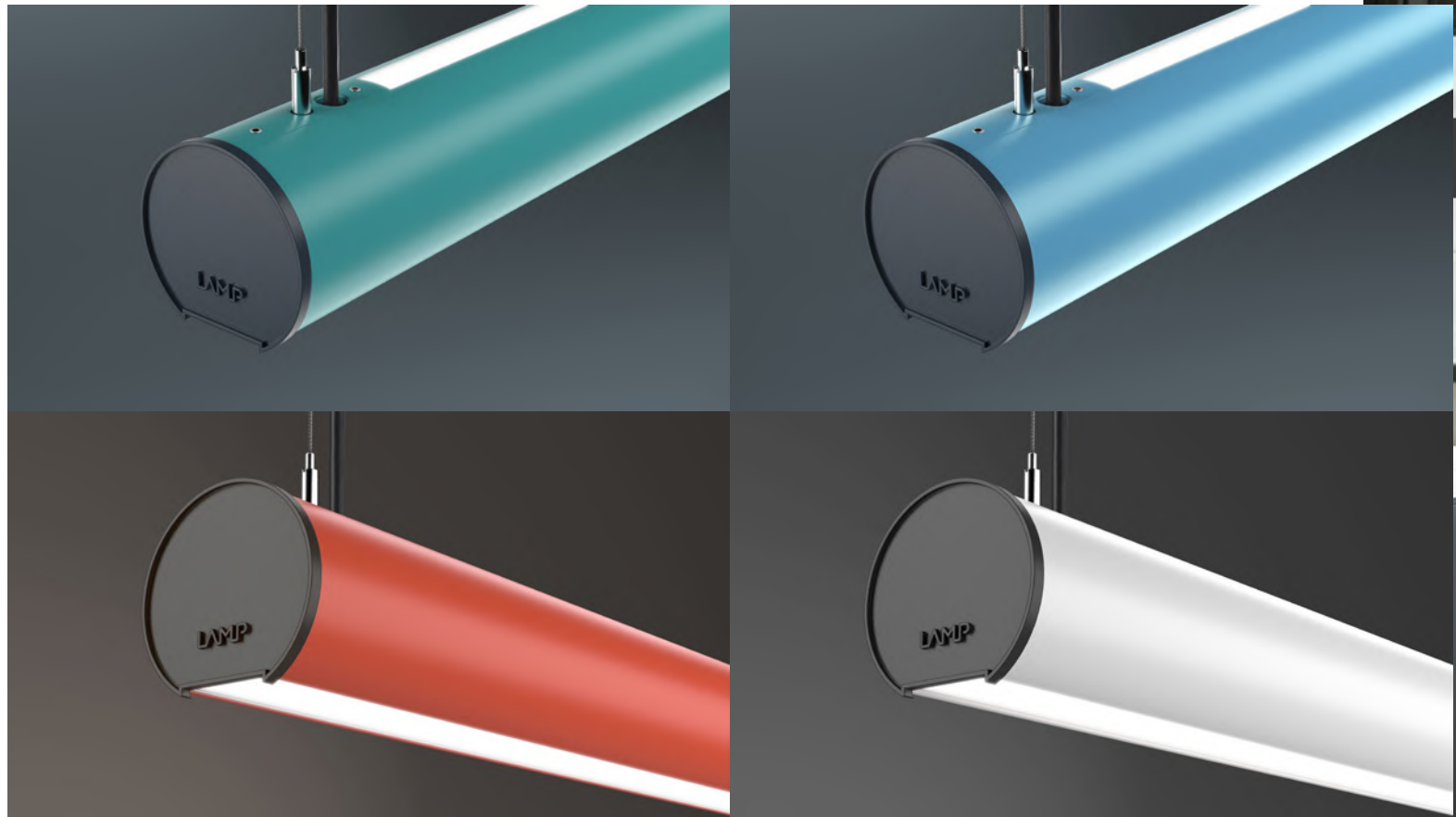
Lamptub 60 is the redesign of its predecessor, the classic Lamptub 80 luminaire with a circular area, which came into being more than 25 years ago.







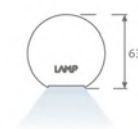
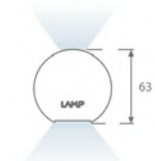
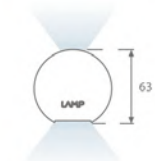








This new family of **Lamptub 60** linear luminaires not only represents an aesthetic and technological update, its essence has been reinvented to respond to the new needs of constantly evolving demanding spaces, thanks to its lighting versatility and its multiple installation options.

Some of the aspects of this large family to be highlighted are:

- **Visual comfort** – With Opal and Opal Confort diffuser options for better lighting control and glare reduction
- **Photobiological safety** – Luminaire classified as 'risk-free' (RG0) according to the Photobiological Risk standard UNE 62471
- **Technological variety** – Different levels of Lamp's technology gradient in different colour temperatures (2,700, 3,000 and 4,000K) and tunable whites
- **Versatility** – Multiple installation possibilities such as surface or suspended track for integration into Nomadic System, or suspended track with recessed or surface-mounted rose
- **Sustainability** – Manufactured from recycled extrusion aluminium

The LAMPTUB 60 luminaire, in addition to the black and white finish options, is available in two new palettes of finishes, **Well-being** and **Be Social**. It allows for two-tone configurations thanks to the combination of its end covers.



Models	SUS. DIR. REC	SUSP. DIR. SUR	SUS. DIR/IND. REC	TRACK DIR. SUR	TRACK DIR. SUS	TRACK DIR/IND. SUS
						
Dimensions	DIRECT		DIRECT / INDIRECT		DIRECT / INDIRECT	
						
Lenghts	840mm	1120mm	1680mm			
Lm LED	1500lm	3000lm				
CRI	90					
Beam angle	 Opal  Opal Comfort		 Dir/Ind Opal  Dir/Ind Opal Comfort		 Opal  Opal Comfort	
			 Dir/Ind Opal  Dir/Ind Opal Comfort			
Color temp.	2700 / 3000 / 4000 K					
Gear	ON/OFF - DALI					
Power						
Finishes	○ White	● Black				
Wellbeing Palettes	● RAL 5005	○ RAL 1013	● RAL 5008	● RAL 5018	● RAL 7040	
Be Social Palettes	● RAL 5005	● S1050-B	● RAL 8019	● RAL 2002	● RAL 2000	



ADI-FAD Delta Awards

LAMPTUB 60 was one of the **products selected for the 2020 Delta Awards** granted by the Industrial Design Association Fostering Arts and Design (ADI-FAD).

Such awards promote innovative environmentally friendly products that have a social impact, high-quality manufacturing processes, and formal, functional, and aesthetic validity, as well as products that appropriately use technologies and materials.



LAMP. Worktitude for light

We advise, design, produce, market and implement technical lighting projects. Lamp's hallmark is the commitment we have maintained for over 45 years: to turn our clients' lighting challenges into reality, providing significant and tailor-made

responses to any architectural project in the world. Lamp is work and attitude, *Worktitude for Light*.

#WorktitudeForLight. The value of lighting.

Efficiency and attitude.



The value of lighting in improving well-being, taking into account the **visual and non-visual effects of light**.



The value of lighting in the cross-sectional promotion of innovation projects, creating lighting solutions that **adapt to new ways of living**.



The value of lighting in boosting projects that have a **positive impact on the environment** and in promoting a more sustainable industry.

FLEXIBLE LIGHTING SYSTEMS IN NEW WORKSPACES

LAMP Worktitude for light

#WorktitudeForLife

It is a project focused on the use of materials and processes that are environmentally friendly from the perspective of a circular economy that involves recycling and reducing waste as much as possible. This viewpoint results in added value for both the product and the business.

Photo: Michael Block / Pexels

Sustainability

LAMP is a company committed to **reducing the carbon footprint**. A commitment that is carried out by means of actions such as the #WorktitudeForLife project or the use of recycled aluminium.



#WorktitudeForLife is developed according to three lines of work:

- **Materials** – a review of production processes with the aim of making them more sustainable through the use of recycled, non-toxic, and environmentally friendly materials.
- **Ecodesign** – the implementation of eco-design criteria (eco-efficiency and use of materials) in the product development, considering luminaires as components of the circular economy.
- **Living Centric Lighting** – this philosophy goes one step further than Human Centric Lighting by considering how lighting affects people's lives and can improve them. In this case, the aim is to see how lighting can contribute to a better world, taking into account certain components such as light pollution, colour temperature or wavelength suitability with respect to animals and vegetation, among others.



Recycled Aluminium

LAMP uses **80-85% recycled extrusion aluminium** that was awarded the **ASI certification** (*Aluminium Stewardship Initiative*), which defines the environmental and social responsibility requirements applicable to the aluminium value chain.



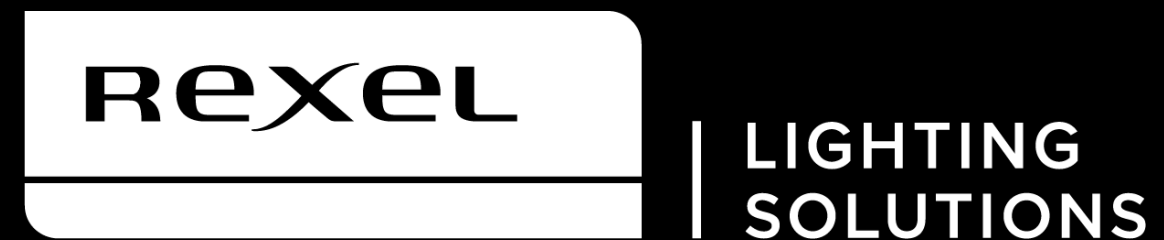
This kind of aluminium is used not only in the Lamptub family but also in other indoor luminaires, such as Fil 35, Fil 45, Fil 50, Fil 70, Ocult and Clinic, as well as in some outdoor luminaires, such as Seti, Bazz, Lup, Iron y B-Side. Advantages of using this material:

- **70%** reduction in direct carbon emissions.
- Use of only **5%** of the amount of energy required in the original process.





www.lamp.es/en



www.rexellighting.co.nz/products