

HIGH WATTAGE MULTI-WHITE STRIP LIGHTS

LOOX5 LED 3014 & 3016



LOOX5

There was a time when daily human habits exclusively relied on nature. The position of the sun in the sky and the amount of sunlight was the determining factor for eating, working and sleeping cycles. As time passed, we began to spend more time indoors and gained flexibility as well as complete control over our routines. But this brought with it erratic sleeping and waking patterns. Over time, exposure to artificial light sources throughout the duration of the day caused an array of physical and cognitive ailments.

To help recreate the natural light pattern and get you functioning at your most optimal level while enjoying the comfort and convenience of the indoors, Häfele brings to you **High Wattage Multi-white Strip Lights**. These strip lights in combination with the Häfele Connect Mesh System enable you to replicate light cycles in nature by selecting the required colour temperature between 2700 Kelvin (warm white light) and 5000 Kelvin (cool white light). With multi-white lights, bright and invigorating cool light can illuminate the work surface in the morning; in the afternoon the colour can be adjusted to natural white and in the evening, it can be dimmed to a warm white for a relaxing ambience.

Equipped with a higher wattage and compatibility with Loox5 24 V drivers, these lights provide more luminous output over longer lengths. Furthermore, they give you the freedom of customization since you can cut them as per your convenient size and requirement.

FEATURES

- The new High Wattage Multi-white Lights compatible with the Loox5 24 V driver system deliver light with minimal loss over a longer distance
- Easily controlled via Häfele Connect Mesh through the smartphone application, remote or a wall switch
- Seamless colour change from warm to cool white and vice versa
- Dimmable function to change the light intensity as desired

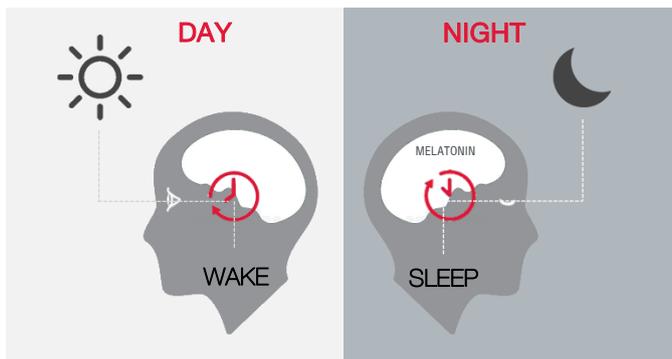


* Terms and Conditions Apply

HUMAN CENTRIC LIGHTING

WHAT IS HUMAN CENTRIC LIGHTING?

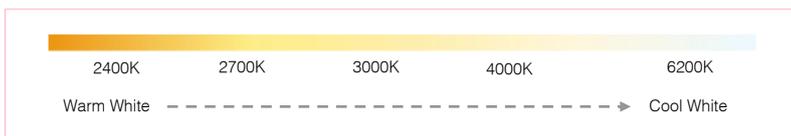
Naturally, our body is supposed to have a rhythm that guides our alertness, sleeping, and eating pattern; this is known as circadian rhythm. Light is the most important factor that helps align this internal clock with the natural cycle of the world. The intensity, timing, duration, and temperature of light we are exposed to has a significant effect on our biological clock.



Staying indoors with more exposure to artificial lighting in an improper pattern can disrupt this rhythm and can result in health concerns such as obesity, cardiovascular issues and neurological problems like sleep disorders.

What is the solution?

To avoid the problems that arise from the constant exposure to artificial light, human centric lighting is introduced where natural light is recreated indoors. This essentially means we can control a light source's correlated colour temperature (CCT)* output which determines the colour of light. This ranges from warm white (2700K – 3000K) to natural white (3000K – 4000K) to cool white (4000K – 5000K).



- Warm white light is ideal for all areas of the house, especially for areas where you relax i.e. living areas and bedrooms. It can also be used to create a pleasant ambience in restaurants or a cozy atmosphere in the hall/ dining room during a gathering or party.
- Natural white light imitates sun/ daylight and is the purest white light. It can be used anywhere in home based on your functional and aesthetic needs.
- Cool white light is sharp and is used in areas where you need bright lighting like task areas and counter tops in kitchens or in workspaces where you need detail focused light.

With **Human Centric Lighting**, you can change the light setting as and when you want and the way you desire. With Häfele's High Wattage Multi-white Strip Lights, you can help your body function at its best during the day with natural/ cool white light and then start winding down in preparation for sleep at night with warm white light. This entire adjustment and set-up can be easily done with the help of the new Häfele Connect Mesh System through the mobile application.

BENEFITS

Human Centric Lighting can be achieved in your homes when Häfele's multi-white strip lights are used along with the Häfele Connect Mesh System. Exposure to the right type of light for proper durations has positive effects on your mind and body, namely:



Better and deeper sleep as the body is exposed to warm light while relaxing and cool light while working



Increased productivity and focus due to proper rest and use of cool light during work



Improved metabolism, overall body health and decreased risk of cardio-vascular problems



Longer lasting energy owing to healthier wake-sleep patterns

The different shades of white light made available because of multi-white strip lights also help in conjuring up new designs and lighting patterns as desired.

APPLICATIONS

Human Centric Lighting finds applications in various areas such as:

- Residential spaces
- Hotels and service apartments
- Healthcare facilities
- Classrooms
- Offices and workspaces

* CCT (Correlated Color Temperature) refers to the colour temperature of light, measured in degrees Kelvin (K), in correlation with what white light will look like to humans

REPLICATE LIGHT CYCLES IN NATURE WITH MULTI-WHITE STRIP LIGHTS

The lighting in your home needs to change based on the application, functionality, time of the day and area of your house.



Colour temperature: 2700 K
Calming sunrise white to kickstart your day



Colour temperature: 3000 K
Relaxing warm white for creating a tranquil ambiance in the evening

REPLICATE LIGHT CYCLES IN NATURE WITH MULTI-WHITE STRIP LIGHTS



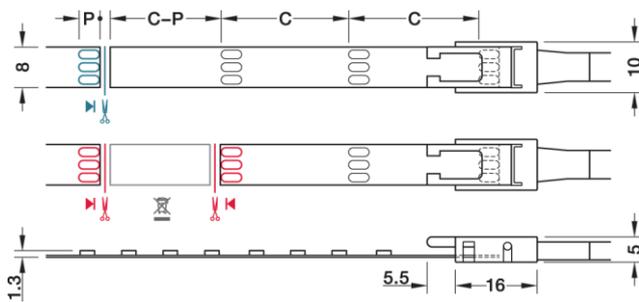
Colour temperature: 4000 K
Soothing daylight white for the busy afternoon hours



Colour temperature: 5000 K
Invigorating and bright cool white to illuminate the work surface in the morning

PRODUCT SPECIFICATIONS

Finish/ colour:	White
Dimmable:	Yes
Length:	5000 mm / 50000 mm
Width:	8 mm
Height:	1.3 mm
Lifetime L80/B10:	> 30,000 hours
Energy efficiency class:	A+
Degree of protection:	IP20
Mounting:	Self-adhesive



C = section length ; P = length of contact surface

The LED strip light is cut to length i.e. one contact side remains on the remainder piece so that it can be used elsewhere

Two LED strip lights can be connected via their contact sides with the help of different connectors from Häfele's Range



LED 3014

2700 K		5000 K		
2130 lx	2390 lx		250 mm	
872 lx	976 lx		500 mm	
467 lx	523 lx		750 mm	
289 lx	322 lx		1000 mm	



LED 3016

2700 K		5000 K		
3150 lx	3422 lx		250 mm	
1298 lx	1403 lx		500 mm	
697 lx	754 lx		750 mm	
430 lx	462 lx		1000 mm	

TECHNICAL SPECIFICATIONS

Voltage (V)	Quantity (LEDs/m)	Colour Temperature (K)	Luminous Flux (lm/m)	Luminous Efficacy (lm/W)	Wattage (W/m)	Colour Rendering index CRI		Weight Energy Consumption per m in (kWh/ 1000 h)	Section Length C (mm)	Contact Surface Length P (mm)
						R _a	R ₉			
5 24 V	Häfele Loox5 LED 3014									
	2 × 120	2700	866	88	9.6	90	> 50	5.28	50	4
		5000	950	96						
	Häfele Loox5 LED 3016									
2 × 120	2700	1296	91	14.4	90	> 50	10.56	50	3.5	
	5000	1409	97							

ORDERING INFORMATION

Article No.	Description
833.72.270	Loox5 LED 3014, 24 V, 9.6 W/m, 2700-5000K, CRI 90, Length: 5000 mm
833.72.271	Loox5 LED 3014, 24 V, 9.6 W/m, 2700-5000K, CRI 90, Length: 50000 mm
833.77.280	Loox5 LED 3016, 24 V, 14.4 W/m, 2700-5000K, CRI 90, Length: 5000 mm
833.77.281	Loox5 LED 3016, 24 V, 14.4 W/m, 2700-5000K, CRI 90, Length: 50000 mm
833.95.708	Multi-white Strip Light to Driver Connector, 8 mm, 24 V