



SCAN ME

SUNLIGHT-LIKE  
CRI 97!



MOST MODERN,  
FLAT DESIGN!



ADDITIONALLY WITH  
INDIRECT LIGHT!



LIKE REAL SUNSHINE  
IN YOUR OFFICE.

# JetFlat



Industry and  
trade



Office  
building

 **LUDWIG**  
LEUCHTEN



# JetFlat Floor lamp

Product no: SL03-00001  
Light type: JET FLAT 60° LED /9401060 SUNLIKE DALI+SEN

The **JetFlat floor lamp** impresses with its reduction to the essentials. Its filigree, aesthetic design sets new standards and corresponds to the most modern and future architectural language. Technically, the **JetFlat** impresses with sun-like light, a direct and sun-like light, a direct and indirect light component, all-round glare control in accordance with DIN EN 12464 and a motion sensor. This comes into its own when the **JetFlat** is positioned in areas that do not need to be permanently illuminated but require the best light - such as printer and copier stations.

The **Jet-Flat** is a high-tech floor lamp: predestined for any

kind of screen work as well as for offices and demanding workplaces.

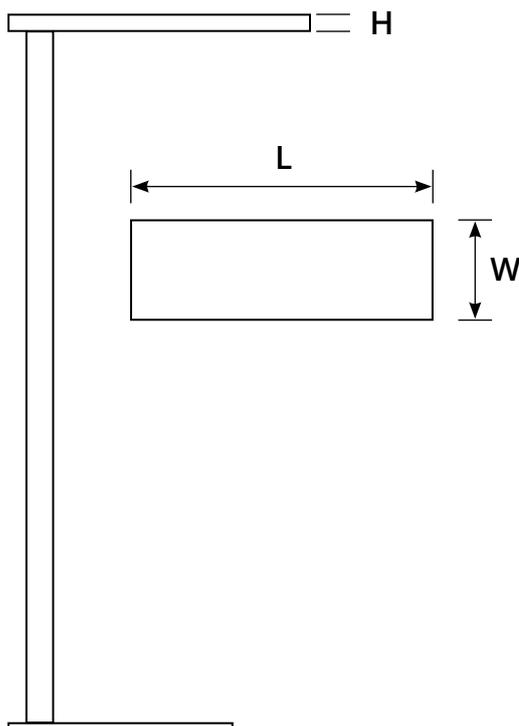
- ☞ sunlight-like LED CRI 97
- ☞ direct and indirect light
- ☞ especially flat design
- ☞ luminaire base flat and designed in U-shape
- ☞ with remote control for extra charge
- ☞ special colors are available on request at extra charge
- ☞ with motion and daylight sensor

## Technical data

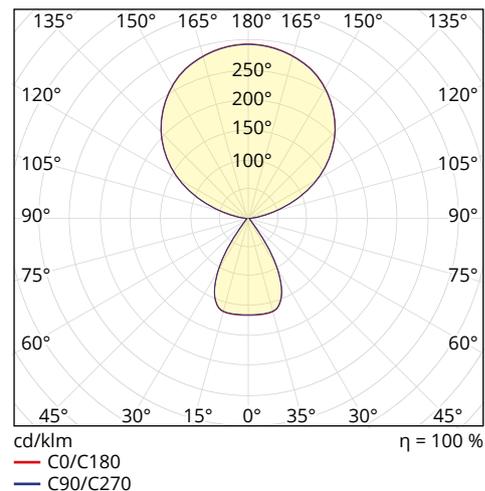
Luminaire luminous flux _____	9.116 lm
Luminaire luminous efficacy _____	98 lm/W
System performance _____	93 W
Operating efficiency _____	100 %
Color temperature _____	4000 K
Color tolerance (MacAdam) _____	3
Lifetime _____	50.000 h (L80B10)

Voltage _____	230 V / 50 Hz
Length-L / Head _____	651 mm
Width-W / Head _____	270 mm
Height-H / Head _____	20 mm
Total height _____	2031 mm
Housing color _____	RAL 9016

## Dimensioned drawing



## Light distribution curve





# JetFlat Pendant light

Product no: PE20-00001  
Light type: Jet Flat Pendelleuchte CRI97/9401005

The **JetFlat pendant luminaire** is made of sheet steel and powder-coated white (RAL 9016). The flat design of only 20 mm makes it almost float above desks. With recessed lenses in an elegant perforated pattern, the **JetFlat** is completely glare-free (fully glare-free according to DIN 12464-1). The sunlight-like CRI 97 LEDs produce a pleasant light. Infinitely height-adjustable fixtures allow the luminaire to be mounted

at the desired height. The **JetFlat** pendant luminaire is also available with indirect lighting.

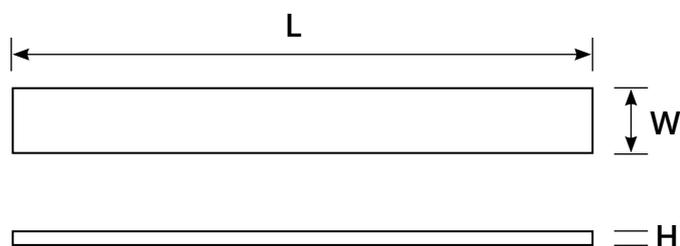
- ☞ higher concentration and motivation
- ☞ excellent legibility of documents
- ☞ also available with indirect light
- ☞ almost lifelike color rendering

## Technical data

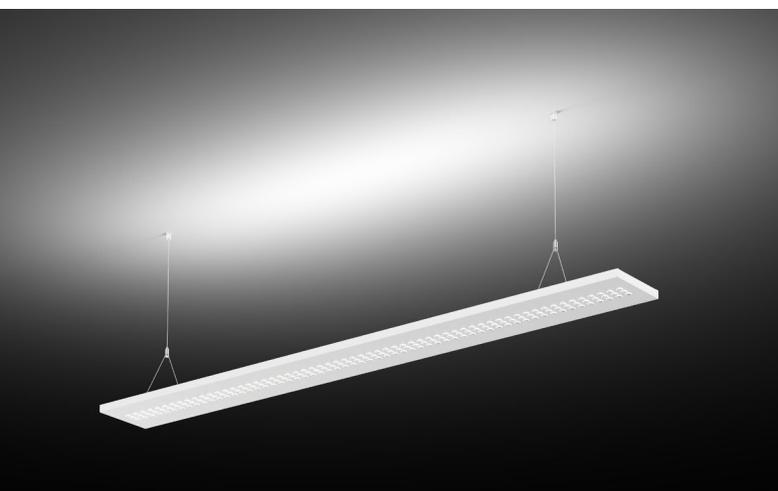
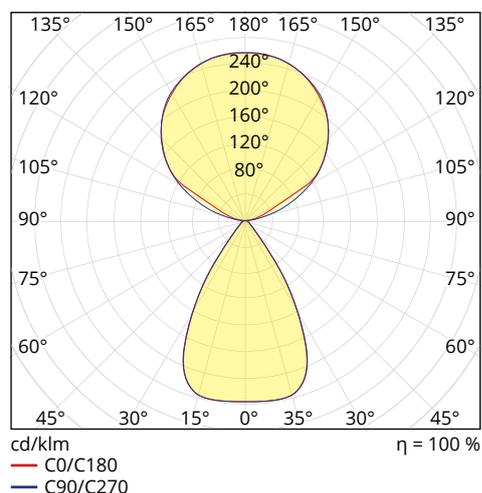
Luminaire luminous flux _____	7.668 lm
Luminaire luminous efficacy _____	96 lm/W
System performance _____	80 W
Operating efficiency _____	100 %
Color temperature _____	4000 K
Color tolerance (MacAdam) _____	3

Lifetime _____	50.000 h (L80B10)
Voltage _____	230 V / 50 Hz
Length-L _____	1540 mm
Width-W _____	165 mm
Height-H _____	20 mm
Housing color _____	RAL 9016

## Dimensioned drawing



## Light distribution curve





# JetFlat Surface-mounted light

Product no: AL21-00001  
Light type: JET FLAT AL 60°1LED5 /940 SUNLIKE

The **JetFlat surface-mounted luminaire** is made of sheet steel and powder-coated white (RAL 9016). Very flat design due to housing only 20 mm high. Fully glare-free according to DIN 12464-1 due to recessed lenses that produce a completely glare-free light image. The sunlight-like LED CRI 97 produce a pleasant light.

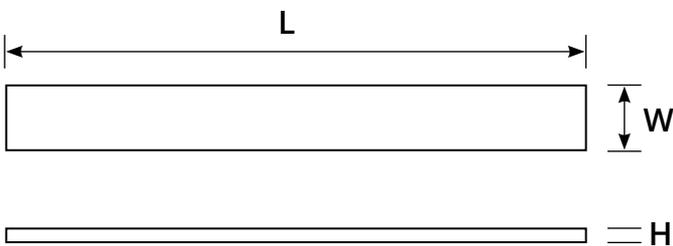
- ☞ higher concentration and motivation
- ☞ excellent readability of documents
- ☞ also available with indirect light
- ☞ almost lifelike color rendering
- ☞ particularly flat design
- ☞ low glare effect

## Technical data

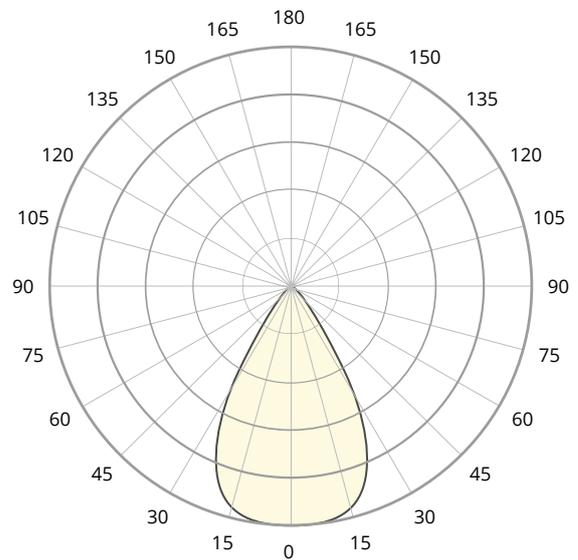
Luminaire luminous flux _____	7.800 lm
Luminaire luminous efficacy _____	107 lm/W
System performance _____	73 W
Operating efficiency _____	100 %
Color temperature _____	4000 K
Color tolerance (MacAdam) _____	3

Lifetime _____	50.000 h (L80B10)
Voltage _____	230 V / 50 Hz
Length-L _____	1540 mm
Width-W _____	165 mm
Height-H _____	20 mm
Housing color _____	RAL 9016

## Dimensioned drawing



## Light distribution curve



technical changes and errors excepted



# JetFlat Surface-mounted luminaire with indirect light

Product no: AL21-00002  
Light type: JET FLAT AL-ID 60°1LED5 /940 SUNLIKE

The **JetFlat surface-mounted luminaire** is made of sheet steel and powder-coated white (RAL 9016). Very flat design due to housing only 20 mm high. Fully glare-free according to DIN 12464-1 due to recessed lenses that create a completely glare-free light pattern. The sunlight-like LED CRI 97 produce a pleasant light.  
In the version with indirect light, a spacer is additionally mounted to thus achieve the best reflection from the ceiling.

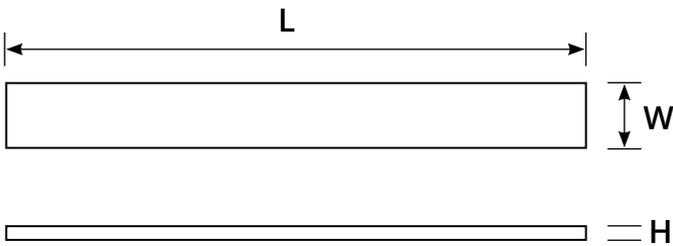
- ☞ sunlight-like LED CRI 97
- ☞ low glare
- ☞ higher concentration and motivation
- ☞ almost natural color rendering
- ☞ excellent readability of documents
- ☞ avoidance of health risks
- ☞ particularly flat design

## Technical data

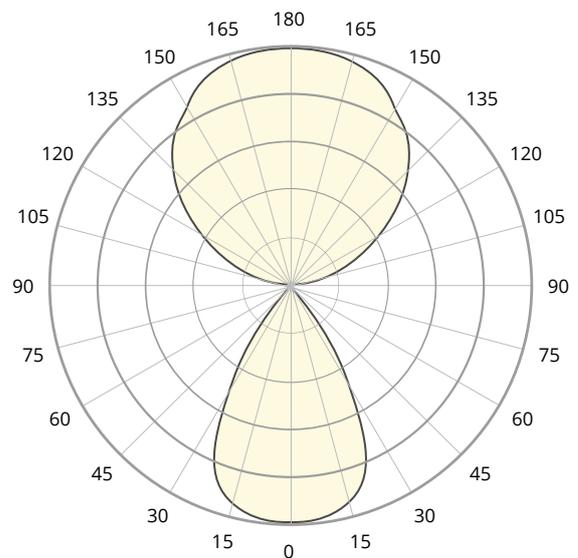
Luminaire luminous flux	7.800 lm
Luminaire luminous efficacy	107 lm/W
System performance	73 W
Operating efficiency	100 %
Color temperature	4000 K
Color tolerance (MacAdam)	3

Lifetime	50.000 h (L80B10)
Voltage	230 V / 50 Hz
Length-L	1540 mm
Width-W	165 mm
Height-H	20 mm
Housing color	RAL 9016

## Dimensioned drawing



## Light distribution curve



# CRI 97 Sunlight-like lighting

*Finally healthy light*

## Good light for more well-being

Whether you are active and full of beans or feel tired, restless and sleepy depends to a very large extent on the lighting conditions to which you are exposed.

Optimal lighting causes people to be awake, receptive and active during the day and to rest better at night. This increases well-being and performance. So with the right light, we ourselves create perfect conditions for our eyes and at the same time increase our sense of well-being.

With our unique LED lighting technology, we have succeeded in almost perfectly replicating sunlight and thus creating the quality of life you deserve.



### THE INITIAL SITUATION

The human organism has been accustomed to daylight for many thousands of years. The perception of the environment essentially depends on how detailed the shapes and colors can be represented. Colors in particular can only be recognized in their natural range if the light has exactly these wavelengths. Artificial light sources always provide only a part of the extensive spectrum of the sun.

### THE PROBLEM

It is not possible to perfectly reproduce the spectrum of sunlight in a luminaire. Many people express discomfort due to poor lighting conditions. It is now known that unfavorable lighting conditions - especially at workplaces - have a significant negative impact on concentration and performance.

### THE SOLUTION

Our latest LED technology uses the sun as a reference. This makes it possible to achieve a spectrum almost identical to sunlight. The simulation of the sun's course over the day is possible.

### POSITIVE EFFECTS

**+ BETTER CONCENTRATION + BETTER ATTENTION + BETTER MEMORY PERFORMANCE**



## Healthy light explained

### LED light in the highest quality

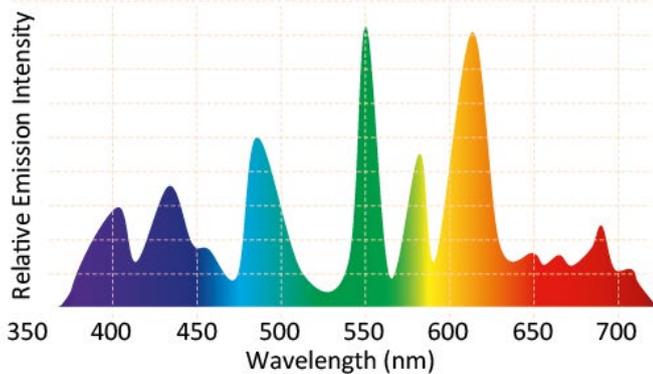
The quality of an artificial light source - i.e. a luminaire - can be recognized and explained very well on the basis of the light spectra shown.

The light spectrum of the fluorescent tube shows an uneven curve with almost monochromatic peaks. The conventional LED, on the other hand, shows an accentuated curve with a problematic peak in the blue range.

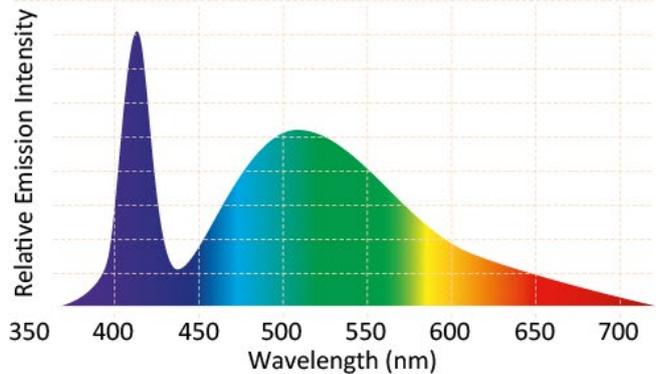
The spectrum of sunlight, on the other hand, is almost linear across its entire width. That is, all color ranges of the entire light spectrum are displayed almost equally. As a result, we humans can read particularly well in daylight, recognize colors very well and also distinguish color nuances very well.

The spectrum of the sunlight-like CRI 97 is almost congruent with the level of real sunlight. This makes it the best artificial light available to us humans to date. It enables us to work much better and more concentrated, to tire less and thus to avoid accidents. The associated true-to-life recognition of colors also offers new prospects in relevant industries such as medical laboratories, printing shops, etc.

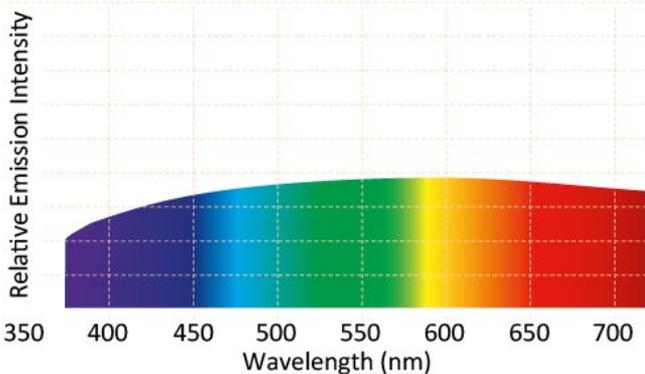
#### FLUORESCENT TUBE



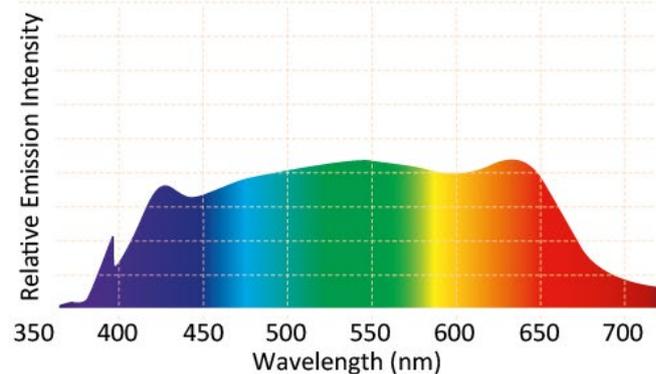
#### CONVENTIONAL LED



#### SUNLIGHT



#### SUNLIGHT-LIKE LED CRI 97



## LIGHTING FOR 70 YEARS



Industry &  
trade



Office  
building



Public  
buildings



Special  
solutions



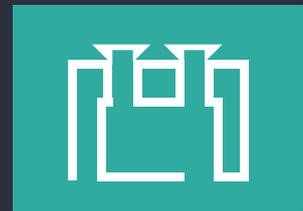
Future-  
products



Plant-  
lighting



Surface  
control



Cleanroom  
lighting



## MORE THAN LIGHT

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