

MAUL

LIGHTING

2022



www.maul.uk



Panels 38-41



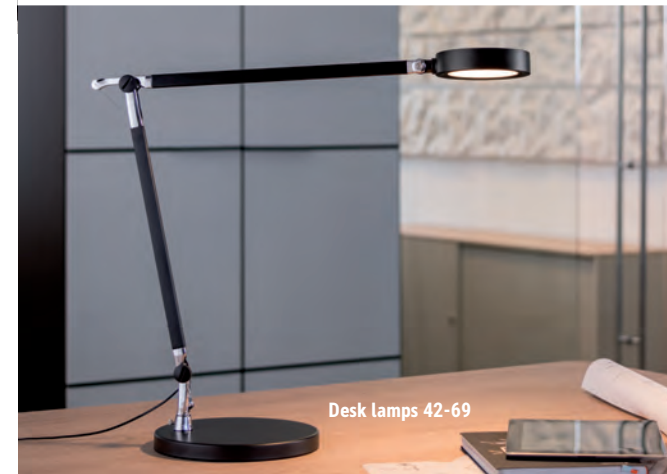
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Our lamps provide many illuminating moments and convince with their elegant design, state-of-the-art LED technology and reliable quality. We focus on sustainability, health and safety. We are also pioneers when it comes to energy management. Our lamps with motion and daylight sensors and adjustable colour temperature for dynamic lighting conditions are trend setting. A complete range with over 100 models: Everything for the best lighting quality at your workplace.

FURTHER CATALOGUES:



For further products from MAUL, see our „Office Supplies“ and „Visual communication/Workplace design“ catalogues. Simply order them at export@maul.de or download them from www.maul.uk

»WHY WE THINK SUSTAINABLY

We have the privilege of living and working in a place surrounded by nature. For over a hundred years, we have been based in the Odenwald and Westerwald. Consequently, we are well aware of what we owe ourselves, our families, society and our partners. For us, appreciation of nature and respect for human beings is the key to responsible trading.

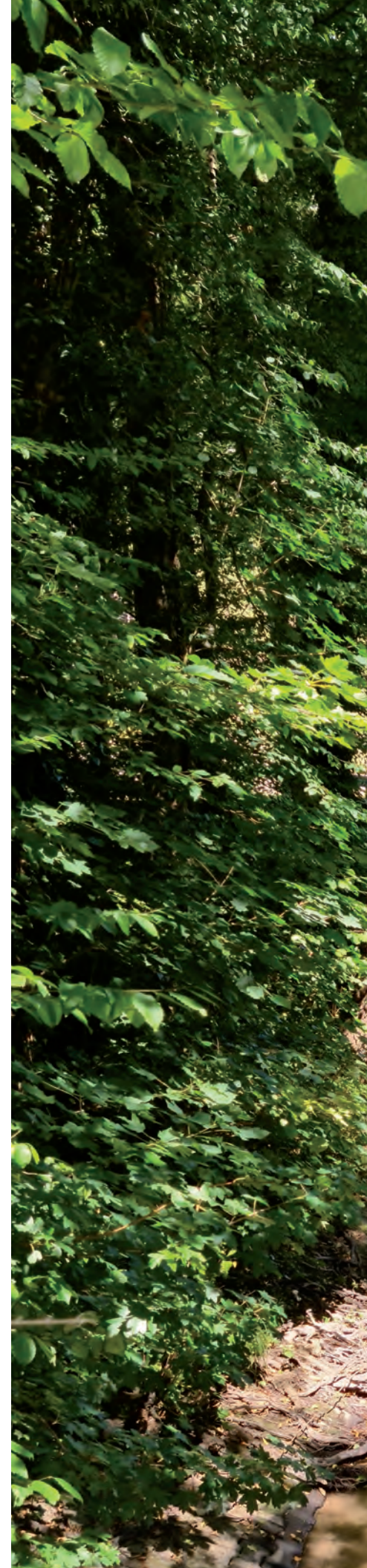
As a fourth-generation family business, we treat things with care and conduct our operations on a sustainable basis. We view the efficient use of resources throughout the entire product life cycle as a self-evident maxim. When you buy a MAUL product, you can rest assured that it was manufactured under socially responsible conditions with minimal environmental impact.

We firmly believe in Germany as a business location and have expanded our production facilities in Zell and Kirchen. We invest and pay taxes here, create and retain apprenticeships and jobs, and actively take responsibility for the future of our region.

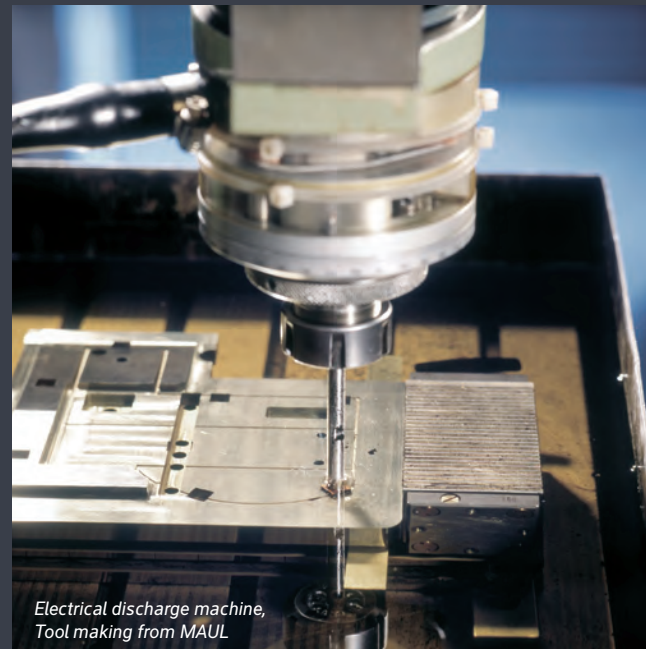
For further information, go to www.maul.uk and take a look at our Sustainability Brochure.



„We are certified for our environmental management system according to the international standard ISO 14001“.



The River Mümling flows through MAUL's site in Bad König-Zell.



Electrical discharge machine,
Tool making from MAUL

»WHY WE KNOW OUR TRADE

For generations, we have been manufacturing products in Bad König and Kirchen that simplify day-to-day office tasks – always with a keen eye for detail.

Our specialists in the fields of metal manufacturing, plastics production and electronics work with great care and precision on every single component. As we select the materials and develop the products ourselves, we can guarantee top quality and high-end design. Our intelligent testing processes ensure that all MAUL products conform with high safety standards and are of a consistently high quality.

To find out more, go to www.maul.de/en/company





»WHY WE LOVE WHAT WE DO



*MAUL employees from Sales and Marketing
with the mobile whiteboard easy2move*

MAUL is an international brand-name company with production facilities at two locations in Germany. Over one thousand innovative products made from plastic and metal are manufactured here. We draw on our ingenuity, experience and flexibility to design and produce a multitude of creative new products. As a result, we are able to add exciting new products to our product range year after year. This innovative capability is evident from our numerous utility models and patents.

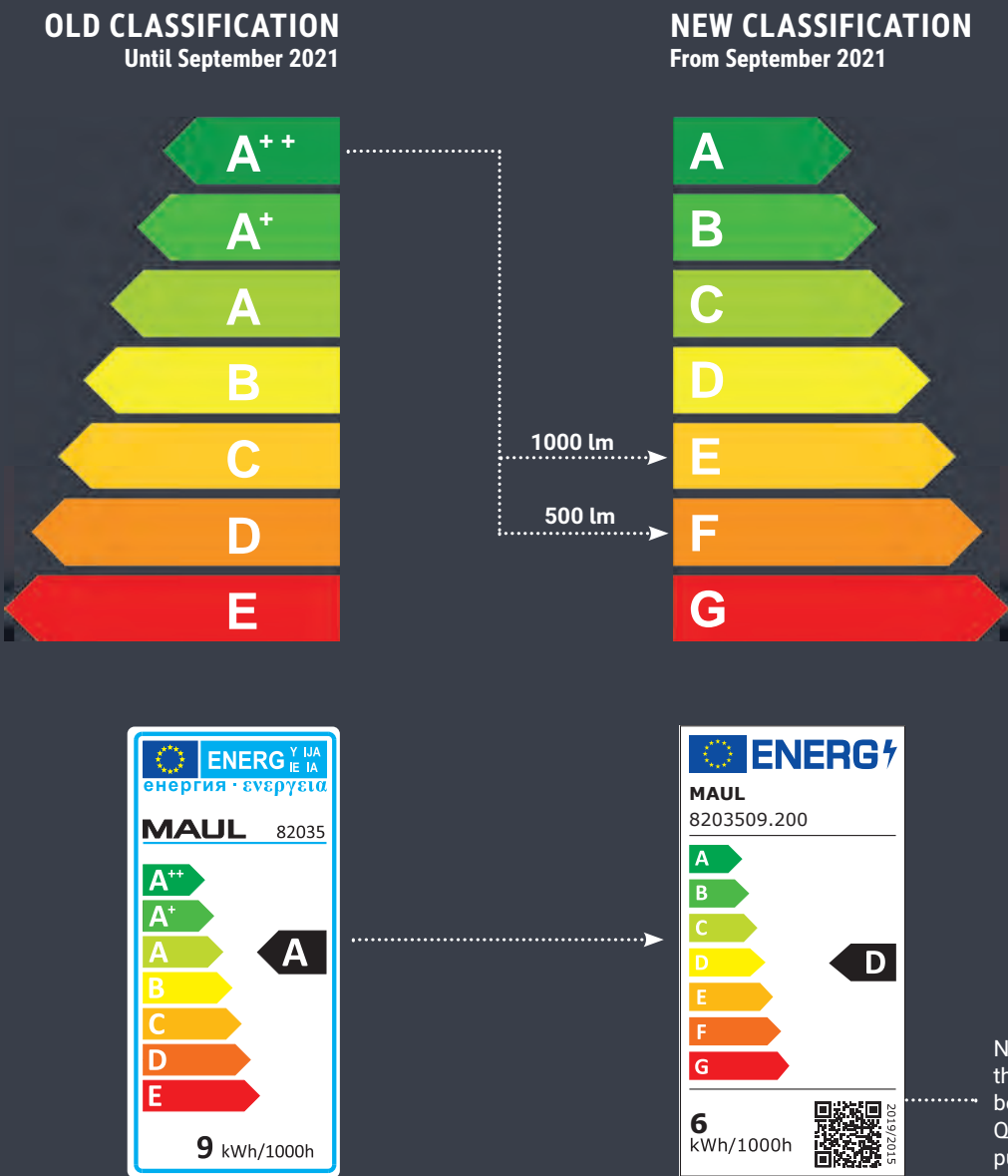
The skills of the 190-strong MAUL workforce combined with our enthusiasm for progress and our high-tech in-house production facility are what makes us so good at what we do. We act quickly and flexibly, with a high level of motivation and identification with our work. Our focus is not on short-term solutions, but on good, durable, creative products – in line with our company philosophy, which has proved successful for more than a hundred years.

To find out more, go to www.maul.de/en/company

»THE NEW REGULATIONS : ECODESIGN AND ENERGY LABEL



IN THIS INTERVIEW, DIPL.-ING. ELECTRICAL ENGINEER UWE HARTMANN TALKS ABOUT THE TWO NEW ECODESIGN AND ENERGY LABEL REGULATIONS*.



Why are there new “ecodesign” and “energy label” regulations?

The two regulations were announced in professional circles several years ago. While the Ecodesign Regulation aims at resource conservation, durability, reparability and dismantlability, the Energy Label Regulation adapts the gradation of efficiency classes to the state of the art. Ultimately, the aim is to create greater transparency for the end customer.

For example, the light label was already been removed for the benefit of customers at the end of 2019. In the past, lights on the market with permanently installed LEDs were often sold with only this uninformative light label. MAUL had handled this differently from the beginning: All our lights also received an energy efficiency label. This meant that our customers always knew what they were buying.

How are these goals achieved?

A distinction is made between light sources and the control gear that may be required to operate them. Separate requirements apply to both, and both should be replaceable and removable.

The most important parameters, such as power consumption, luminous flux, etc., must be entered into an EU database. This can be accessed by the end user via smartphone, with the help of a QR code, even before the purchase. By this means, the potential buyers can inform themselves in advance about the integrity of the provider. Light sources that cannot be found in the EU database may not be sold!

In terms of energy efficiency, today's light sources are approaching the realm of the physically possible. To enable a qualitative gradation, it was necessary to redefine the energy efficiency classes. In addition, the new classification provides incentives for manufacturers to further optimise their program.

To make assessment easier again, the “+” classes are abolished and the new classes A to G are established with more contemporary specifications. This applies to light fixtures, but – at another point in time – also to other appliances such as dishwashers, washing machines, dryers or refrigerators, as well as electronic displays including televisions and monitors.

What does this mean for MAUL lamps?

For MAUL, it was an opportunity to further expand its existing laboratory capacities. Plans for this had already been developed. We have built a new test room with equipment worth EUR 65.000 so that we can carry out the measurements in-house. In the process, we also review the existing quality assurance procedures and check all technical data for the EU database.

Together with our partners, we ensure that light sources and control gear can be replaced in the event of repairs and dismantled at the end of their service life. With the validity of the new regulations, initially, from September 2021, no appliances in efficiency class “A” will be found on the market. Light sources in desk lamps like those from MAUL are classified in the lower four energy efficiency classes D to G. In the near future, efficiency classes of C or even B are also to be expected. We are working on it!

Do the specifications apply to all lamps?

There is a clear answer to this: yes! All manufacturers and importers who import light sources into the European market must comply with these specifications!

Will all manufacturers and importers comply? As a buyer, how can you be sure that a light meets the specifications?

The aforementioned central database with the abbreviation EPREL, which was introduced with the new regulations, enables customers as well as supervisory authorities to check the integrity of a product and its provider in the quickest possible way. Black sheep will have a harder time hiding in the herd, provided customers and authorities take advantage of the new monitoring capabilities. I can only recommend this. Let the QR code guide you to the database. This way you avoid safety risks and energy guzzlers. Check the product before you buy it!

To find out more about the regulations:



* Delegated Regulation (EU) 2019/2015 of 11.03.19 supplementing Regulation (EU) 2017/1369 with regard to energy labelling of light sources and Regulation (EU) 2019/2020 of 01.10.2019 laying down ecodesign requirements for light sources and separate operating devices.



»GREATER SAFETY WITH LAMPS FROM MAUL

Lamps that fail to pass our strict testing criteria are not included in our product range. Our electronics, optics and metalwork specialists scrutinise every component of the light to ensure safety.

UP TO DATE WITH DIRECTIVES, LAWS, REGULATIONS AND STANDARDS

For each light, there are different specifications to protect the consumer from electric shock, harmful substances, electromagnetic radiation, fire, disturbing glare, permanent damage

to the eyes and unnecessary energy consumption. MAUL takes more than 26 of these legal requirements and standards into account in its lights. You can find out what these are in detail by requesting our Declaration of Conformity.

THE MAUL TEST LABORATORY



We subject our prototypes to various tests on a mandatory basis, either in-house or at various test laboratories, institutes or universities. This enables us to provide answers to the following questions:

MECHANICS / STRUCTURAL ANALYSIS: Is the base stable? Is the clamp fitting sufficient? Can the hinges withstand frequent movement?

ELECTRONICS / SAFETY: Is the insulation sufficient? How high is the electromagnetic radiation? Does the light pose a fire risk?

OPTICS / SAFETY: Does the lamp emit disturbing light? Does it lead to permanent eye damage? Is the light the right colour? Are colours of illuminated objects accurately reflected?

SERVICE LIFE: A durability test is performed on the light sources at our permanent testing laboratory. Performance data is determined in regular intervals e.g. the illuminance, light current or the temperature. Thanks to the durability tests, we are able to provide reliable information on the service life of our products.

Further tests carried out are the inspections of incoming goods in accordance with test procedures based on standards; spot checks, whereby lights are disassembled and checked for possible changes and uncertainties, alongside drop and packaging tests.

RULES AND REGULATIONS FOR YOUR READING

There are also many legal regulations for the application of lights. Here are two for you to read:

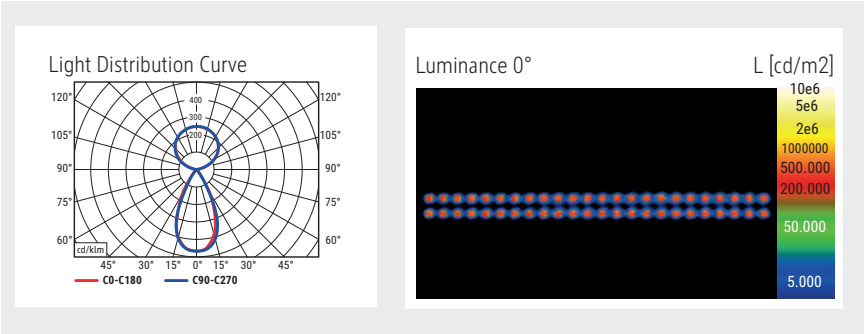
- **Technical Rules for Workplaces Lighting ASR A3.4**
- **DIN EN 12464-1, Light and lighting – Lighting of work places**
- **Part 1: Indoor work places**

» FACTORS FOR OPTIMAL ROOM LIGHTING

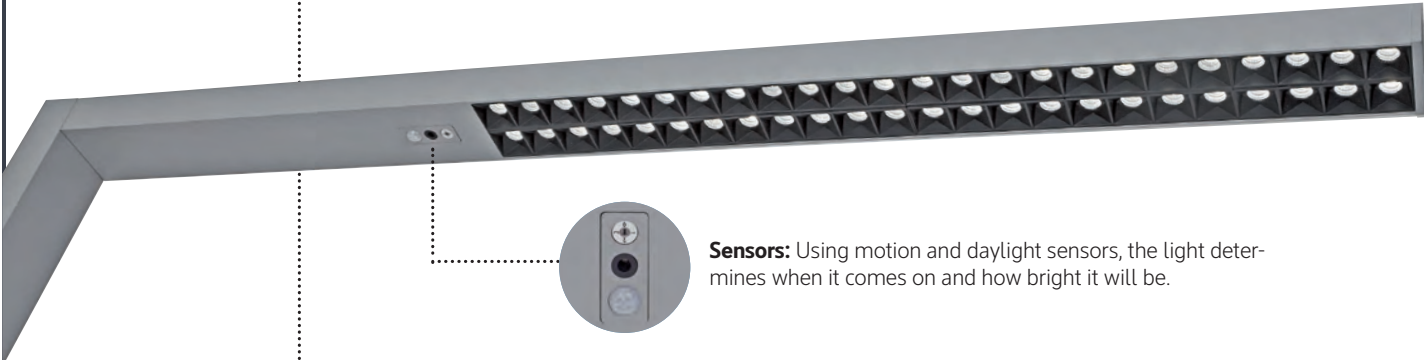


The basis for optimal lighting is a balanced, adjustable relationship between daylight, general basic lighting and individually controllable lighting at the workplace. It is adaptable to the respective visual tasks, guarantees visual performance as well as visual comfort while being adjustable to individual requirements. As the illustration on the left shows, besides visual tasks,

good lighting has other factors worth taking into account. Complementary in the planning of lighting is the role played by shading, light distribution and direction. The features of the room and surfaces should also be taken into consideration. All the components are dependent on each other and should be seen as an overall impression.



Precise planning data for every MAUL lamp



Sensors: Using motion and daylight sensors, the light determines when it comes on and how bright it will be.

THE NEXT GENERATION: DYNAMIC LIGHTING

Natural light changes its brightness and light colour in the course of the day and during the year. People have adapted to this in the course of evolution and their body clock adjusts automatically. Dynamic lighting is the adaption of artificial lighting to the changing light environment. Illumination intensity, colour and direction of the lighting changes, natural daylight sets the standard in this regard. The lighting of the whole room

should be included in this process. This is achieved for example by using a natural daylight sensor. This is the case with the constant light regulator for our LED floor lamps MAULjuvis und MAULsirius, where the lighting intensity is regulated on a constant basis at a pre-set value, dependent on natural daylight.

» BASICS FOR BUYING LAMPS

LUMINOUS FLUX IN LUMEN (lm)

is the sum of the light emitted by an illuminant. In the table you can see a comparison to incandescent bulbs as a guide, e.g. if you need to replace an illuminant.

The performance of conventional incandescent lamps compared with LED light sources

Power in Watt conventional incandes. bulbs	25 W	40 W	60 W	75 W	100 W
Luminous flux in Lumen LED	~249 lm	~470 lm	~806 lm	~1055 lm	~1521 lm

ILLUMINANCE IN LUX (lx)

The more difficult the visual task (and the older we get), the higher the illuminance needs to be. It describes the amount of light (lumens) that reaches a surface, depending among other things on the distance of the luminaire. There is a diagram* for every MAUL lamp, in which you can read how much light reaches your desk, for example.

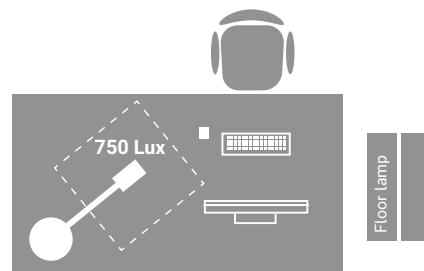
* For details see MAUL glossary of lighting terms on pages 96 + 97

WHAT ILLUMINANCE DO I NEED FOR WHICH ACTIVITY?

Here is a selection of values:

Important illuminance values according to DIN EN 12464-1 and ASR A3.4 for the office (excerpt)

- Filing, copying, traffic areas 300 lx
- Writing, reading, data processing 500 lx
- Technical drawing 750 lx
- Laboratories, measuring stations 500 lx
- At reception desk and counter 300 lx



COLOUR TEMPERATURE IN KELVIN (K)

describes the colour impression of the light. The higher the colour temperature, the whiter the colour. Choose between:



Warm white (2700-3300 K)
is perceived as cosy and homely



Neutral white (3300-5300 K)
Suitable for focused work at the desk,
in the hobby room or office



Daylight white (5300-7500 K)
promotes concentration and enhances
performance

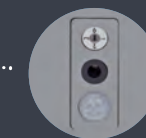
CLAMPING OR STANDING?

Lamps with clamp keep the desk surface free and retain their setting even with height-adjustable desks. Free standing desk lamps can be placed individually, depending on the task, how you feel and the amount of daylight. Make sure that the writing hand does not cast a shadow on the document. Floor lamps are independent of the table and can illuminate the workplace and/or the room.

MORE COMFORT AND PERFORMANCE

Lighting technology: Rely on LED as the most modern lighting technology. It is extremely energy-saving, flexible, comfortable and durable.

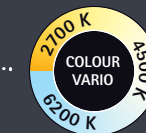
The more flexibly you can adjust the light to your needs, the better you can work. The following functions provide more comfort and well-being:



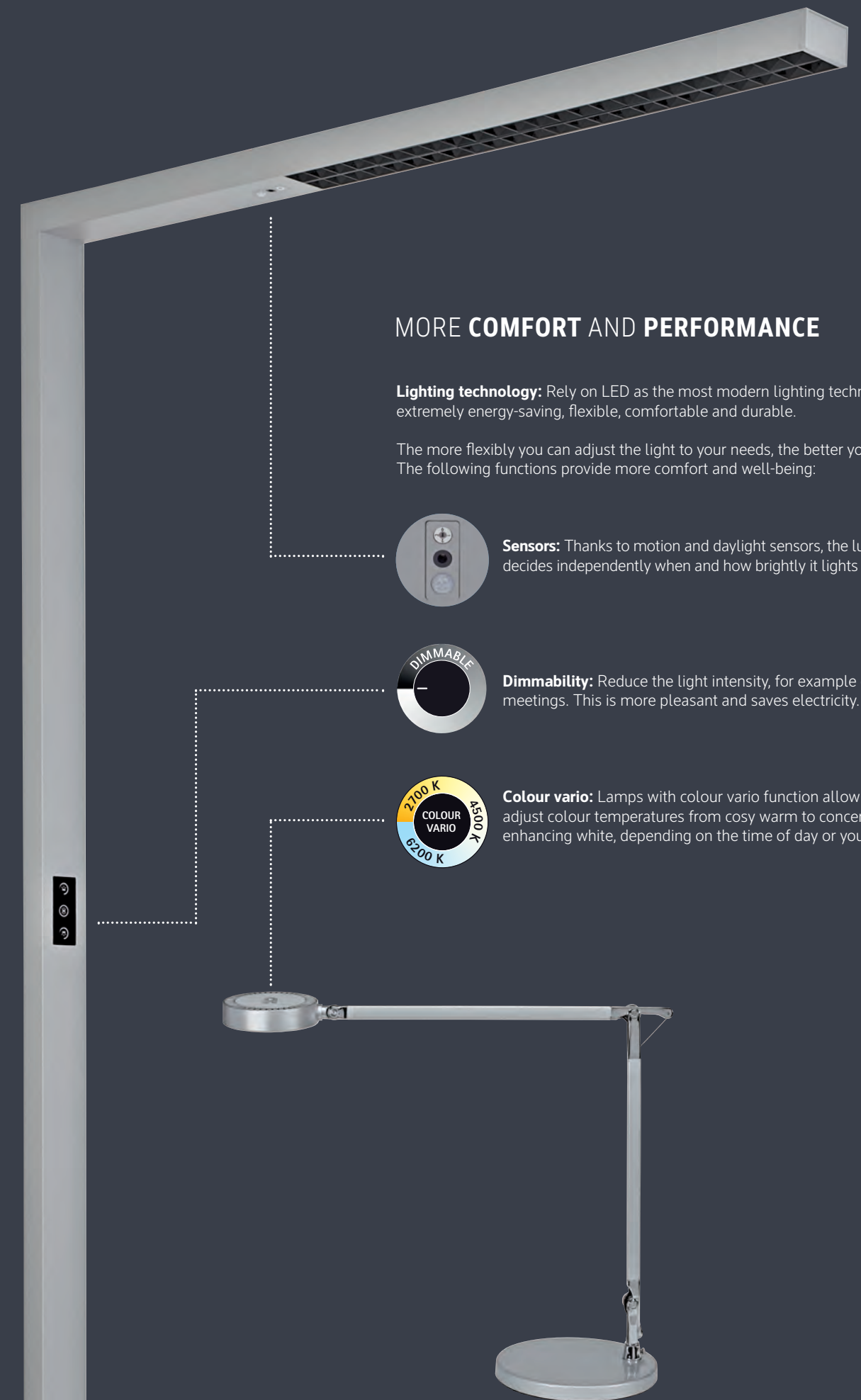
Sensors: Thanks to motion and daylight sensors, the luminaire decides independently when and how brightly it lights up.



Dimmability: Reduce the light intensity, for example during meetings. This is more pleasant and saves electricity.



Colour vario: Lamps with colour vario function allow you to adjust colour temperatures from cosy warm to concentration-enhancing white, depending on the time of day or your mood.

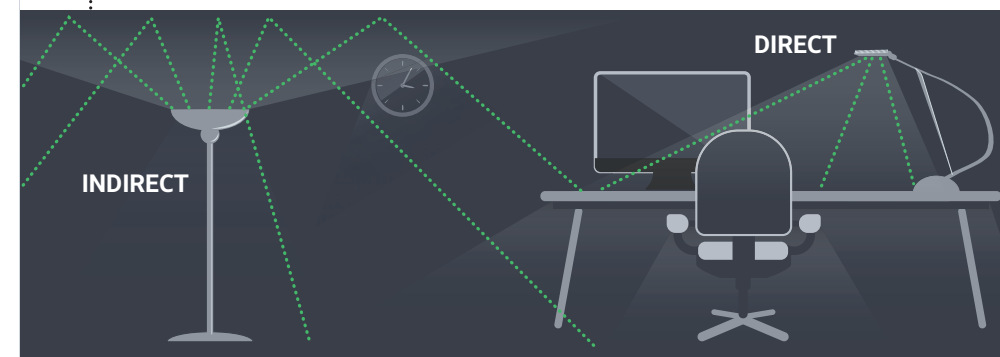




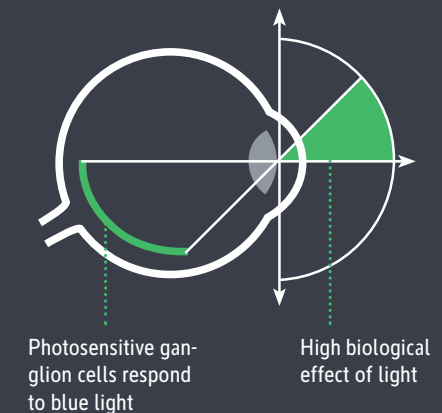
»HEALTHY LIGHT IN THE WORKPLACE MAKES A DIFFERENCE

The right lighting in the workplace creates the best conditions for healthy eyes. Too little light, glare, harsh contrasts or monotonous colour affect health and performance. This can result in problems such as fatigue, eyes burning, watering, flickering or headaches. Double dynamic light (change of brightness and colour) promotes motivation and performance.

The more closely you adapt the light to your workplace situation, the better the result. The requirements differ greatly, as different illuminance levels are needed depending on the visual task, age, time of day and season. In addition, factors such as colour temperature are relevant; warm white light colours tend to have a calming effect, while cool colours have a stimulating effect.



INCIDENCE OF LIGHT INTO THE EYE: FROM ABOVE AND FROM THE FRONT



The optimal solution is a balanced combination of daylight, general lighting and individually controllable lights at the workplace. By combining indirect general lighting with direct task lighting, an optimal lighting situation can be achieved.

THE ADVANTAGES:

- At each workstation, the illuminance can be individually adjusted depending on the person and activity
- Energy savings thanks to lower illuminance of unused areas, and through targeted workplace lighting only when needed
- High flexibility for spatial changes
- No reflections or glare on the screens

BIOLOGICALLY EFFECTIVE LIGHTING

Also called Human Centric Lighting (HCL), it is designed to enhance people's productivity, mood and health.

It is modelled after natural daylight. During the day, high intensities of daylight white light (colour temperature from 5300 K) can stimulate concentration and performance. In contrast, light without this proportion of blue (warm white light 2700 – 3300 Kelvin) has a low biological light effect. This can create a relaxing and calming illumination. In the evening, the natural increase in melatonin levels is additionally supported and it is easier to fall asleep.

Light that hits the eye from above and from the front, and thus the lower part of the retina, is particularly biologically effective (graphic above: green area). This is achieved by using large-area ceiling lamps or indirect light sources such as floor lamps that brighten the ceiling and upper wall areas. Desk or workstation lamps can be used to supplement the lighting conditions at the workplace in order to fulfil classic visual tasks.

» SUSTAINABLE LIGHTING

From the idea to production and application to disposal, we are constantly checking the entire life cycle of a light for ecological improvement potential.

We pay attention to sustainability factors as early as the development stage and the selection of materials and partners. We rely on LED technology as the current standard in energy management. Production in our German plants is carried out under high quality and safety standards. Our machinery is constantly serviced and optimised to ensure we more than satisfy the current environmental and safety guidelines and to improve our energy efficiency. Unmixed production scraps are fed into the recycling process. In application, all our lights must meet our demand for high quality – the best possible in every price range. This inherently also entails a comparably long product service life, which both saves resources and minimises CO2 emissions.



TIPS FOR ENERGY-SAVING LIGHTING

Using light wisely is good for the environment and your budget. Here are a few suggestions on how to reduce energy usage:

USE DAYLIGHT:

Utilise the daylight, it saves money and creates a good atmosphere. Avoid glare when doing so. With dimmable lamps you can adjust the brightness to the daylight.

CHECK THE EFFICIENCY RATING:

Check a high efficiency label when buying and choose lamps with higher energy efficiency ratings.

USE LED TECHNOLOGY:

Switch to LEDs. LEDs use more than 80 percent less energy than a conventional incandescent bulb.

TARGETED LIGHTING:

Switch off the light if daylight is adequate or you're away from the desk. Lamps with sensors will make this easy. Choose a model that does not use electricity in switched-off mode.

CHOOSE A LIGHT WALL COLOUR:

Light walls "absorb" less light and reflect more. But be aware: glossy surfaces can cause troublesome reflections.

NOTE QUALITY AND SAFETY:

The safety of lamps is not always a given. They can be wired poorly or have poor quality parts. The consequence can be a danger to life and limb or cause higher consumption. Make sure you have the complete address of a European supplier as well as labeling and certificates.

DO NOT USE LAMPS THAT HAVE PERMANENTLY FITTED LIGHT BULBS:

Bulbs (illuminants) do not last as long as lamps. Look for a model where you can replace the bulb.





»LIGHTING

FLOOR LAMPS

LED floor lamp MAULsirius colour vario sensor, dimmable NEW

- High-quality, powerful aluminium design lamp with modern light management
- Colour temperature and intensity adjustable depending e.g. on time of day
- Dimmer infinitely adjustable according to individual requirements
- Gentle on the eyes: Reduced glare to UGR<6 for fatigue-proof vision
- Control separately: Direct light for work surfaces and indirect for room lighting, beam direction upwards 70% and downwards 30%
- GS-symbol for checked quality, technical safety concept Made by MAUL

- Movement sensor: Dims the light automatically after 30 minutes without sensing movement, turns off after a further 30 minutes without sensing movement
- Daylight sensor: The light output of the lamp changes depending on the indoor illuminance level
- Art.-No. 825 92 90, 825 93 02, 825 93 90: available from June 2022

Illuminance of the lamp: Indirect: 2.560 lux illuminance at 85 cm distance, 1.440 lux illuminance at 110 cm distance - direct: 3.360 lux illuminance at 85 cm distance, 2.020 lux illuminance at 110 cm distance

Colour temperature per light source: 3.000 kelvins (warm white) to 5.700 kelvins (daylight white)

Number of light sources: 2

Energy efficiency class per light source: Indirect: E (spectrum A to G) & direct: F (spectrum A to G)

Weighted energy consumption per light source: 79 kwh/1.000 h (52 kwh/1.000 h & 27 kwh/1.000 h)

Life L70B50 per light source: 20.000 h

Useful luminous flux per light source: 9.884 lumens (6.951 lumens & 2.933 lumens)

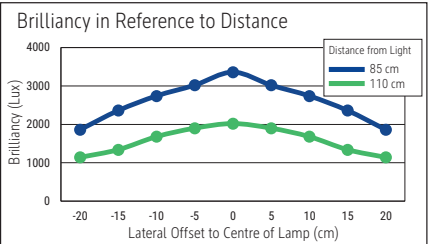
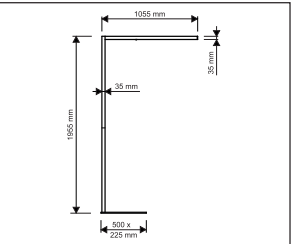
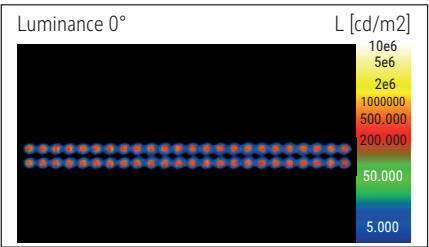
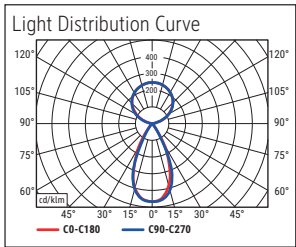
Material: Head: aluminium - column: aluminium

Dimensions: Head: 102 x 6,4 cm - column: 3,5 x 6,4 cm

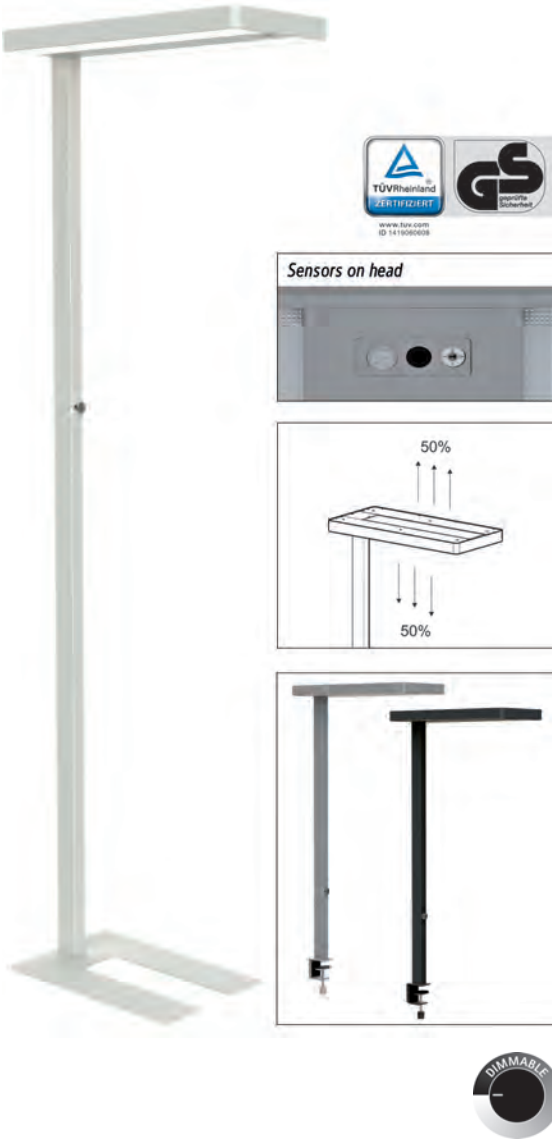
Position of the switch: Column

- 825 92: Heavy, solid foot made from steel, 50 x 22,5 cm. Height: 195,5 cm
- 825 93: Sturdy desk clamp made of steel, clamping width 1,5 to 9,5 cm. Felt desk protection. Height: 120 cm. Ideal for height-adjustable desks

Item	Colours	Base	Cable length (approx.)	Protection class	PU
825 92	02 white, 90 black, 95 silver	Base	2,50 m	I shock-proof plug	1 pc(s).
825 93	02 white, 90 black, 95 silver	Clamp	2,50 m	I shock-proof plug	1 pc(s).



FLOOR LAMPS

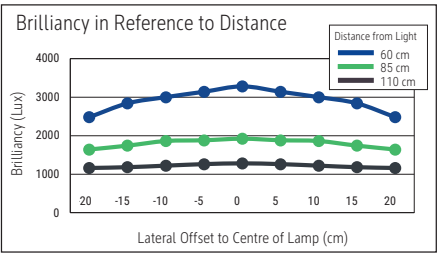
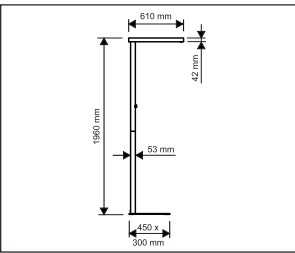
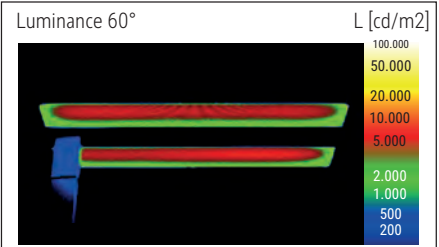
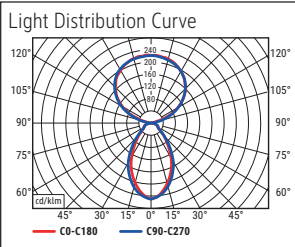


LED floor lamp MAULjuvis sensor, dimmable NEW

- Constant light control via movement and daylight sensors
 - Infinitely adjustable dimmer according to activity and individual preferences
 - Perceived as pleasant by everyone: Combined direct/indirect workplace lighting
 - Approx. 50% upward and approx. 50% downward light emission
 - Double use: Direct lighting of the desk and indirect lighting of the room
 - GS-symbol for checked safety, technical safety concept Made by MAUL
- Motion sensor: Reduces the emitted light automatically after a period of 30 minutes without detecting any movement and switches the lamp off after another period of 30 minutes without detecting any movement
 - Daylight sensor: The light output of the lamp changes depending on the indoor illuminance level
 - Convenient: Diffuser for reduction of shades
 - Art.-No. 825 86 90, 825 87 02, 825 87 90: available from June 2022

Illuminance of the lamp:	Indirect: 1.920 lux illuminance at 85 cm distance, 1.280 lux illuminance at 110 cm distance - direct: 1.920 lux illuminance at 85 cm distance, 1.280 lux illuminance at 110 cm distance
Colour temperature per light source:	4.000 kelvins (neutral white)
Number of light sources:	3
Energy efficiency class per light source:	D (spectrum A to G)
Weighted energy consumption per light source:	64 kwh/1.000 h (32 kwh/1.000 h & 2 x 16 kwh/1.000 h)
Life L ₇₀ B ₅₀ per light source:	20.000 h
Useful luminous flux per light source:	9.059 lumens (4.549 lumens & 2 x 2.255 lumens)
Material:	Head: aluminium - column: aluminium
Dimensions:	Head: 28 x 61 cm - column: 3,5 x 5,3 cm
Position of the switch:	Column
<ul style="list-style-type: none">• 825 86: Stable, massive steel base, 30 x 45 cm. Split base fits around table legs. Height: 196 cm• 825 87: Sturdy desk clamp made of steel, clamping width 1,5 to 9,5 cm. Felt desk protection. Height: 120 cm. Ideal for height-adjustable desks	

Item	Colours	Base	Cable length (approx.)	Protection class	PU
825 86	02 white, 90 black, 95 silver	Base	2,50 m	I shock-proof plug	1 pc(s).
825 87	02 white, 90 black, 95 silver	Clamp	2,50 m	I shock-proof plug	1 pc(s).



FLOOR LAMPS

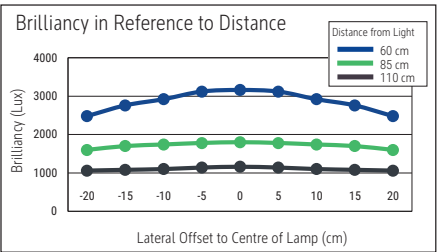
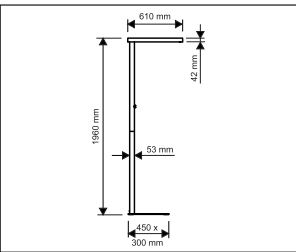
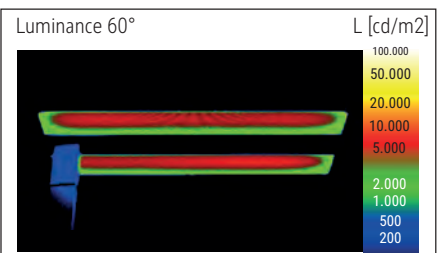
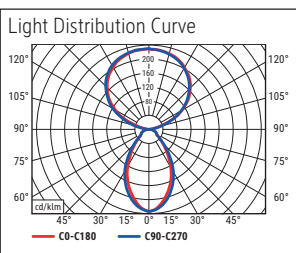


LED floor lamp MAULjava, dimmable NEW

- Stepless dimmer to adapt to the working conditions and personal needs
 - Approx. 50% upward and approx. 50% downward light emission
 - Double use: Direct lighting of the desk and indirect lighting of the room
 - High energy efficiency: Latest LED technology
 - Extremely economical
 - GS-symbol for checked security, technical safety concept Made by MAUL
- Closed lamp head
 - Guaranteed: No consumption in switch-off mode
 - Convenient: Diffuser for reduction of shades
 - Environmentally-friendly and safe shipping carton, recyclable
 - Art.-No. 825 84 90, 825 83 02, 825 83 90: available from June 2022

Illuminance of the lamp:	Indirect: 1.800 lux illuminance at 85 cm distance, 1.160 lux illuminance at 110 cm distance - direct: 1.800 lux illuminance at 85 cm distance, 1.160 lux illuminance at 110 cm distance
Colour temperature per light source:	4.000 kelvins (neutral white)
Number of light sources:	3
Energy efficiency class per light source:	D (spectrum A to G)
Weighted energy consumption per light source:	64 kwh/1.000 h (32 kwh/1.000 h & 2 x 16 kwh/1.000 h)
Life L _{70B50} per light source:	20.000 h
Useful luminous flux per light source:	9.059 lumens (4.549 lumens & 2 x 2.255 lumens)
Material:	Head: aluminium - column: aluminium
Dimensions:	Head: 28 x 61 cm - column: 3,5 x 5,3 cm
Position of the switch:	Column
<ul style="list-style-type: none">• 825 84: Stable, massive steel base, 30 x 45 cm. Split base fits around table legs. Hight: 196 cm• 825 83: Sturdy desk clamp made of steel, clamping width 1,5 to 9,5 cm. Felt desk protection. Height: 120 cm. Ideal for height-adjustable desks	

Item	Colours	Base	Cable length (approx.)	Protection class	PU
825 84	02 white, 90 black, 95 silver	Base	2,50 m	I shock-proof plug	1 pc(s).
825 83	02 white, 90 black, 95 silver	Clamp	2,50 m	I shock-proof plug	1 pc(s).



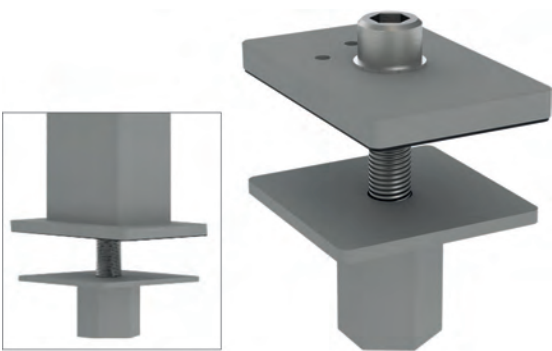
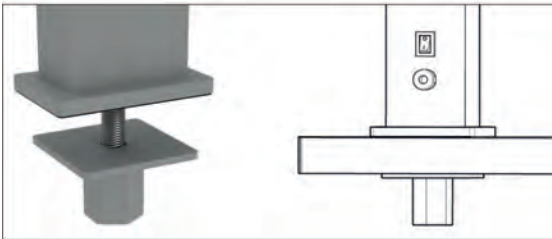
FLOOR LAMPS



Desk mounting adapter for LED lamp MAULsirius

- Suitable for LED lamp MAULsirius 825 93
- For mounting into the desk
- To be fixed directly into the worktop, Ø drill hole 12 mm
- Suitable for desktops of up to 45 mm
- Made from robust steel
- Assembly material included

Item	Colours	PU
825 94	95 silver	1 pc(s).



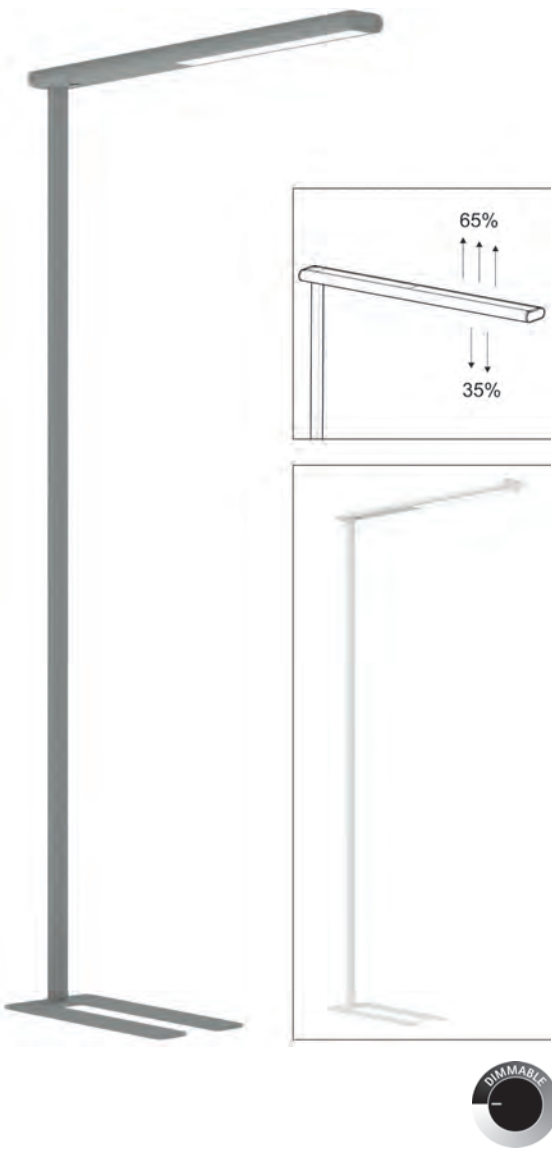
Desk mounting adapter for LED lamps MAULjava and MAULjuvis

- Suitable for the LED lamps MAULjuvis 825 87 and MAULjava 825 83
- For mounting into the desk
- To be fixed directly into the worktop, Ø drill hole 12 mm
- Suitable for desktops of up to 45 mm
- Made from robust steel
- Assembly material included

Item	Colours	PU
825 85	95 silver	1 pc(s).



FLOOR LAMPS



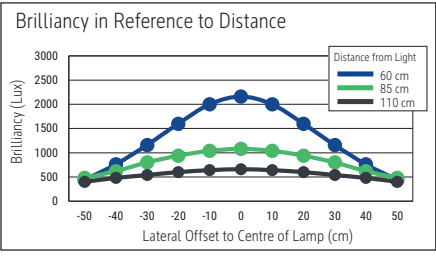
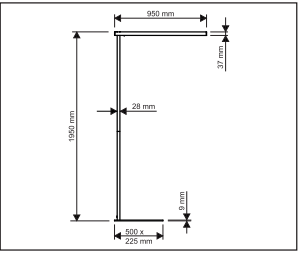
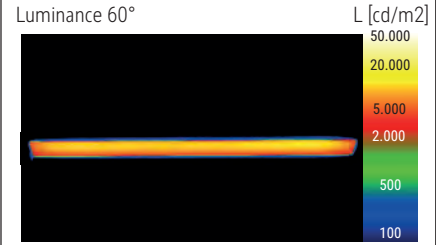
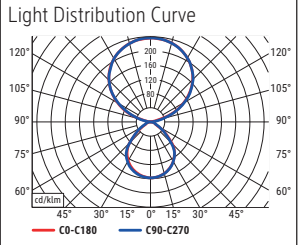
LED floor lamp MAULjet, dimmable

- Stepless dimmer to adapt to the working conditions and personal needs
- Powerful direct light for the work surface and indirect light for room lighting
- Unbeatable price/performance ratio
- Upward light dispersion 65 % and downward light dispersion 35 %
- Extremely economical: State-of-the-art LED technology
- Nothing is in the way: Cut-out foot plate can be positioned around a table leg
- Technical safety concept Made by MAUL
- Long aluminium lamp head for low-shadow light from above
- Sturdy: Aluminium column, steel stand with anti-slip protection pads
- Lamp head closed
- Convenient: Diffuser for soft dimming and reduction of shades
- Environmentally-friendly and safe shipping carton, recyclable

Illuminance of the lamp: Indirect: 1.540 lux illuminance at 85 cm distance, 940 lux illuminance at 110 cm distance - direct: 1.080 lux illuminance at 85 cm distance, 660 lux illuminance at 110 cm distance

Colour temperature per light source: 4.000 kelvins (neutral white)
Number of light sources: 2
Energy efficiency class per light source: Indirect: D (spectrum A to G) & direct: E (spectrum A to G)
Weighted energy consumption per light source: 42 kwh/1.000 h (21 kwh/1.000 h & 21 kwh/1.000 h)
Life L₇₀B₅₀ per light source: 50.000 h
Useful luminous flux per light source: 5.835 lumens (3.218 lumens & 2.617 lumens)
Base: Base
Material: Head: aluminium - column: aluminium - foot: steel - base: anti-slip protection pads
Dimensions: Height: 195 cm - head: 95 x 9,8 x 3,7 cm - column: 2,8 x 4,7 cm - base: 50 x 22,5 cm
Position of the switch: Lamp head

Item	Colours	Cable length (approx.)	Protection class	PU
825 75	02 white, 95 silver	1,80 m	I shock-proof plug	1 pc(s).



FLOOR LAMPS



LED floor lamp MAULjet

- Powerful direct light for the work surface and indirect light for room lighting
 - Unbeatable price/performance ratio
 - Upward light dispersion 65 % and downward light dispersion 35 %
 - Long aluminium lamp head for low-shadow light from above, soft dimming of light through diffuser material
 - Extremely economical: State-of-the-art LED technology
 - Nothing is in the way: Cut-out foot plate can be positioned around a table leg
 - Technical safety concept Made by MAUL
- Sturdy: Aluminium column, steel base
 - Convenient: Diffuser for reduction of shades
 - Environmentally-friendly and safe shipping carton, recyclable

Illuminance of the lamp: Indirect: 1.520 lux illuminance at 85 cm distance, 920 lux illuminance at 110 cm distance - direct: 1.280 lux illuminance at 85 cm distance, 780 lux illuminance at 110 cm distance

Colour temperature per light source: 4.000 kelvins (neutral white)

Number of light sources: 2

Energy efficiency class per light source: Indirect: D (spectrum A to G) & direct: E (spectrum A to G)

Weighted energy consumption per light source: 42 kwh/1.000 h (21 kwh/1.000 h & 21 kwh/1.000 h)

Life L_{70B50} per light source: 50.000 h

Useful luminous flux per light source: 5.835 lumens (3.218 lumens & 2.617 lumens)

Base: Base

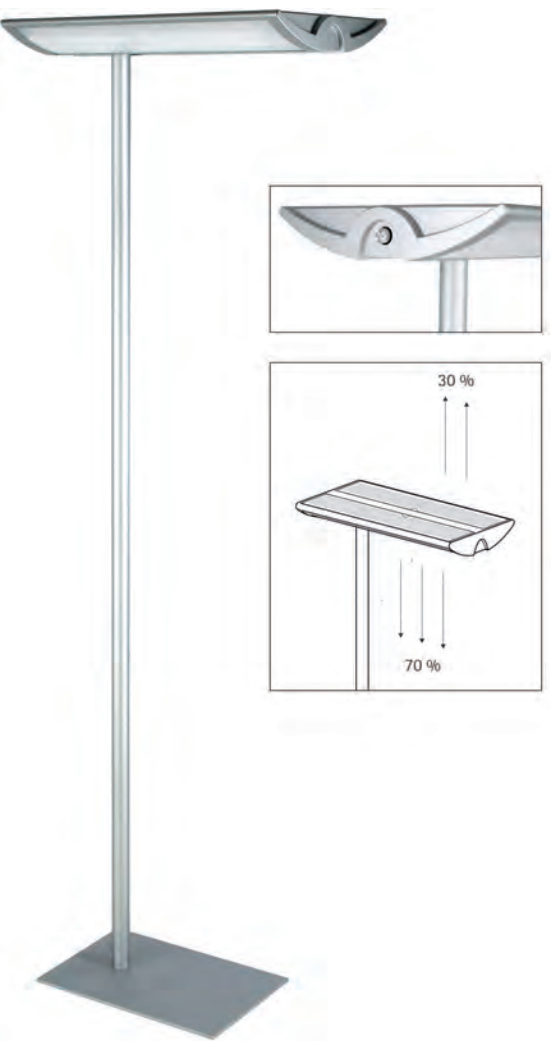
Material: Head: aluminium - column: aluminium - foot: steel - base: anti-slip protection pads

Dimensions: Height: 195 cm - head: 95 x 9,8 x 3,7 cm - column: 2,8 x 4,7 cm - base: 50 x 22,5 cm

Position of the switch: Lamp head

Item	Colours	Cable length (approx.)	Protection class	PU
825 74	02 white, 95 silver	1,80 m	I shock-proof plug	1 pc(s).

FLOOR LAMPS



Energy-saving floor lamp MAULcentauri, dimmable

- Your choice: Light intensity continuously dimmable to adapt to the working conditions or the required consumption
 - 30% upward and 70% downward light emission
 - Double use: Direct lighting of the desk and indirect lighting of the room
 - High luminous intensity
 - Does not stand in the way: Asymmetric base fits under the table
 - Technical safety concept Made by MAUL
- Stepless dimmer
 - Sturdy: Aluminium column, steel base
 - Lamp head with upward perforated shade and downward diffusion screen
 - Lamp holder: Socket 2G11
 - Environmentally-friendly and safe shipping carton, recyclable

Illuminance of the lamp: Indirect: 800 lux illuminance at 85 cm distance - direct: 1.900 lux illuminance at 85 cm distance, 1.300 lux illuminance at 110 cm distance

Colour temperature per light source: 4.000 kelvins (neutral white)

Number of light sources: 4

Energy efficiency class per light source: G (spectrum A to G)

Weighted energy consumption per light source: 220 kwh/1.000 h (4 x 55 kwh/1.000 h)

Life L_{70B50} per light source: 8.000 h

Useful luminous flux per light source: 14.920 lumens (4 x 3.730 lumens)

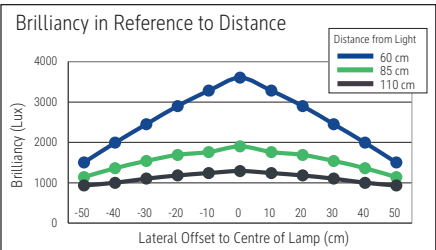
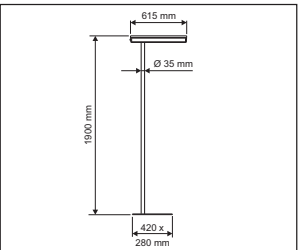
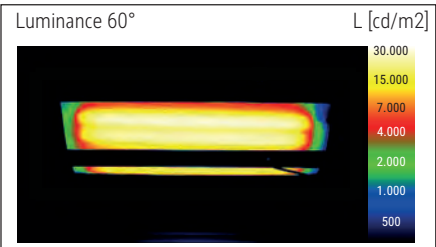
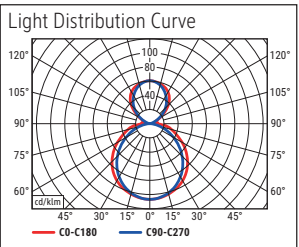
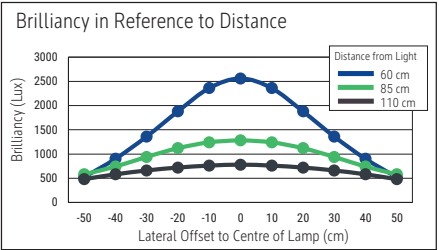
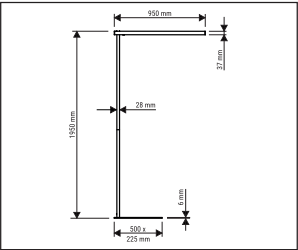
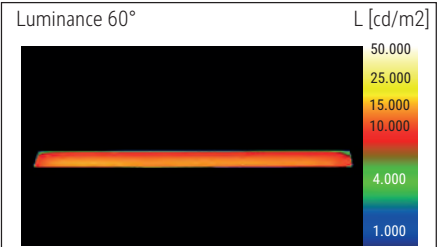
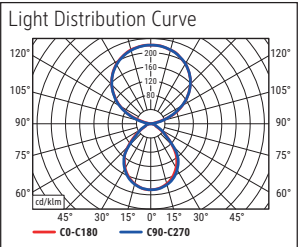
Base: Base

Material: Head: aluminium - column: aluminium - foot: steel - base: protecting rubber feet

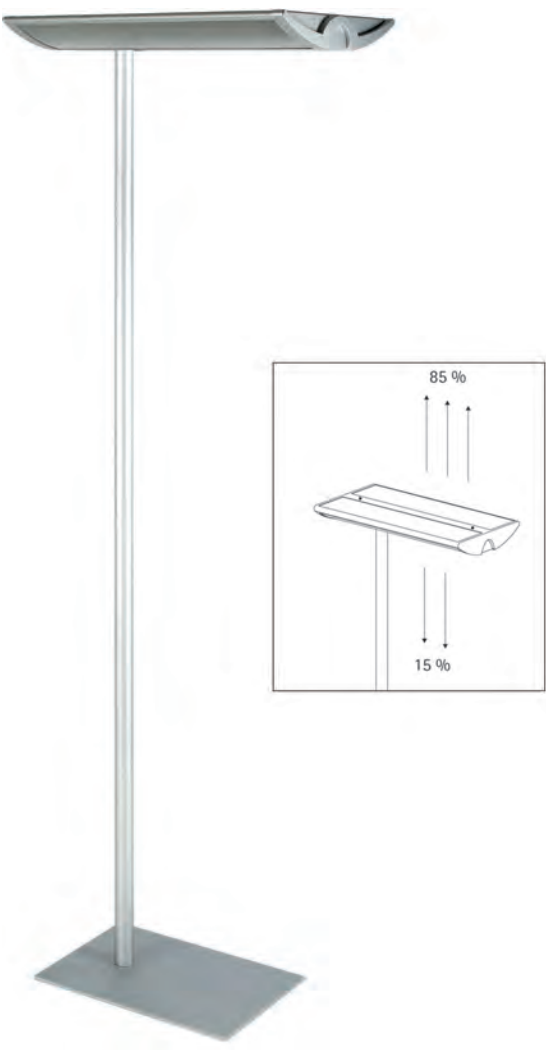
Dimensions: Height: 190 cm - head: 33 x 61,5 cm - column: ø 3,5 cm - base: 42 x 28 cm

Position of the switch: Lamp head

Item	Colours	Replacement bulb	Cable length (approx.)	Protection class	PU
825 70	95 silver	828 55 05	2,00 m	I shock-proof plug	1 pc(s).



FLOOR LAMPS



Energy-saving floor lamp MAULmaioris

- Professional indirect room lighting
 - 85% upward and 15% downward light emission
 - Provides for a pleasant atmosphere
 - Does not stand in the way: Asymmetric base fits under the desk
 - Technical safety concept Made by MAUL
- Guaranteed: No consumption in switch-off mode
 - Sturdy: Aluminium column, steel base
 - Lamp head with upward perforated acrylic shade and downward diffusion screen
 - Lamp holder: Socket 2G11
 - Environmentally-friendly and safe packaging, recyclable

Illuminance of the lamp: Indirect: 1.670 lux illuminance at 85 cm distance, 1.100 lux illuminance at 110 cm distance - direct: 300 lux illuminance at 85 cm distance

Colour temperature per light source: 4.000 kelvins (neutral white)

Number of light sources: 2

Energy efficiency class per light source: G (spectrum A to G)

Weighted energy consumption per light source: 110 kwh/1.000 h (2 x 55 kwh/1.000 h)

Life L_{70B50} per light source: 8.000 h

Useful luminous flux per light source: 7.460 lumens (2 x 3.730 lumens)

Base: Base

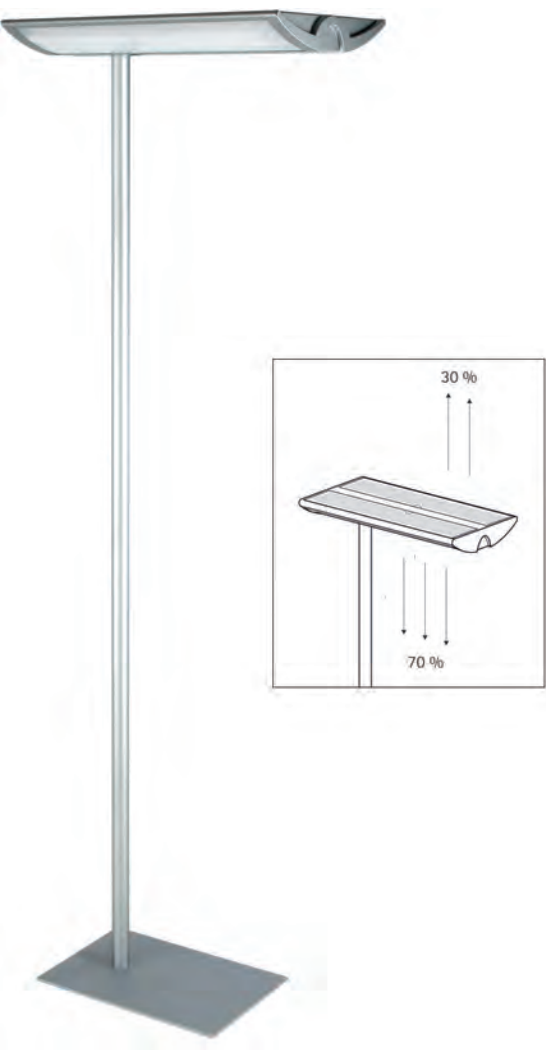
Material: Head: aluminium - column: aluminium - foot: steel - base: protecting rubber feet

Dimensions: Height: 190 cm - head: 33 x 61,5 cm - column: ø 3,5 cm - base: 42 x 28 cm

Position of the switch: Lamp head

Item	Colours	Replacement bulb	Cable length (approx.)	Protection class	PU
825 18	95 silver	828 55 05	2,00 m	I shock-proof plug	1 pc(s).

FLOOR LAMPS



Energy-saving floor lamp MAULnaos

- Double use: Direct lighting of the desk and indirect lighting of the room
 - 30% upward and 70% downward light emission
 - Does not stand in the way: Asymmetric base fits under the desk
 - Technical safety concept Made by MAUL
- Guaranteed: No consumption in switch-off mode
 - Stable aluminium column, stable steel base
 - Lamp head with upward perforated shade and downward diffusion screen
 - Lamp holder: Socket 2G11
 - Environmentally-friendly and safe shipping carton, recyclable

Illuminance of the lamp: Indirect: 1.250 lux illuminance at 85 cm distance, 800 lux illuminance at 110 cm distance - direct: 520 lux illuminance at 85 cm distance

Colour temperature per light source: 4.000 kelvins (neutral white)

Number of light sources: 2

Energy efficiency class per light source: G (spectrum A to G)

Weighted energy consumption per light source: 110 kwh/1.000 h (2 x 55 kwh/1.000 h)

Life L_{70B50} per light source: 8.000 h

Useful luminous flux per light source: 7.460 lumens (2 x 3.730 lumens)

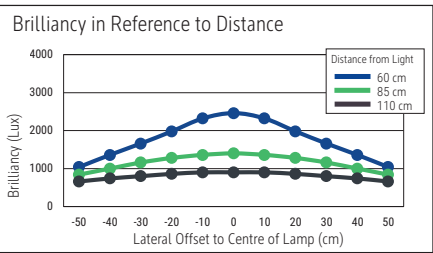
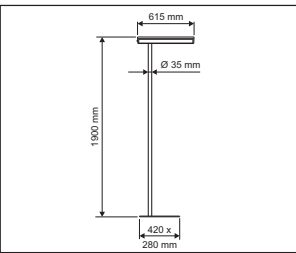
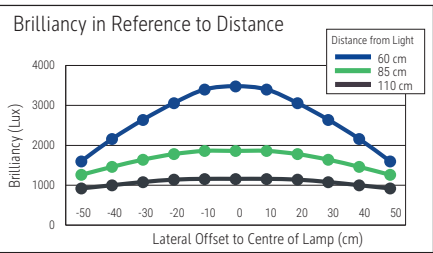
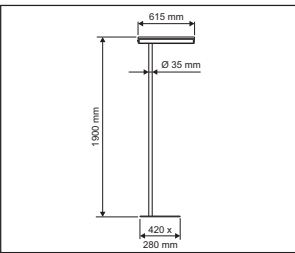
Base: Base

Material: Head: aluminium - column: aluminium - foot: steel - base: protecting rubber feet

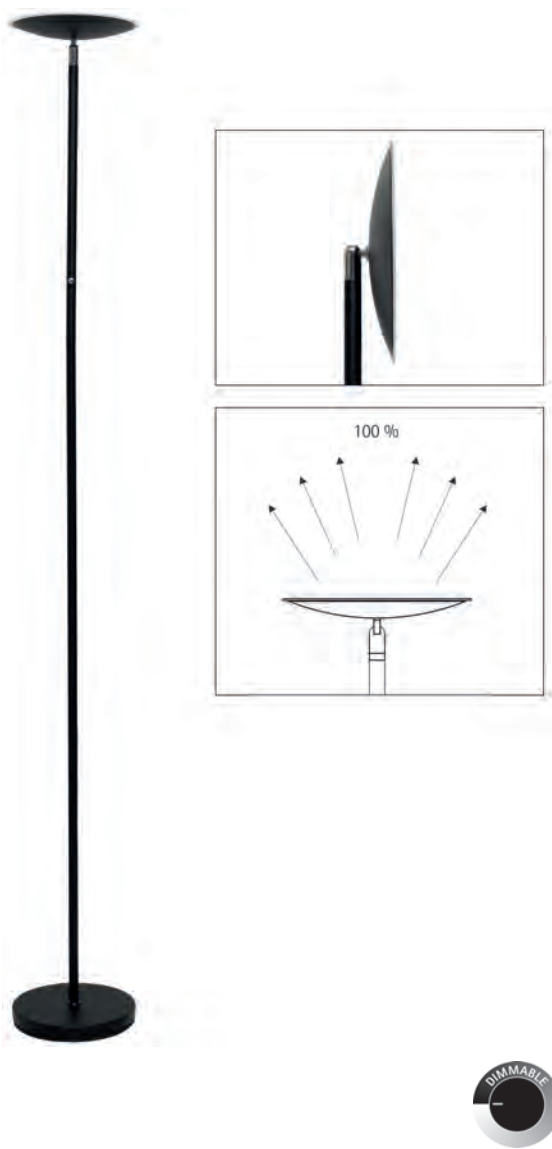
Dimensions: Height: 190 cm - head: 33 x 61,5 cm - column: ø 3,5 cm - base: 42 x 28 cm

Position of the switch: Lamp head

Item	Colours	Replacement bulb	Cable length (approx.)	Protection class	PU
825 14	95 silver	828 55 05	2,00 m	I shock-proof plug	1 pc(s).



FLOOR LAMPS

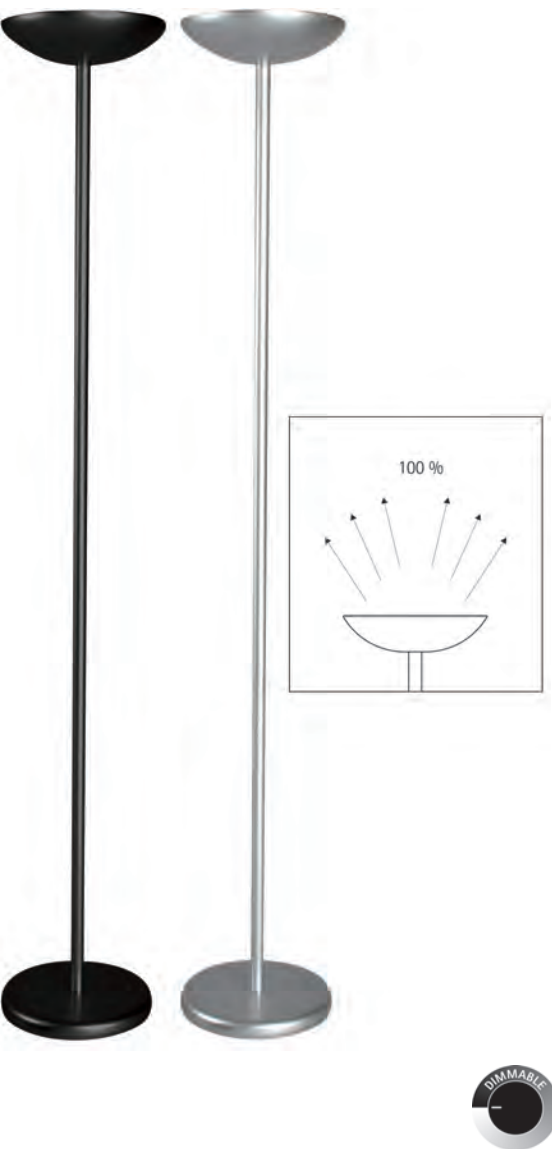


LED floor lamp MAULsphere, dimmable

- **Elegant ceiling floodlight in matt black**
 - **Also available as dimmable version**
 - **For indirect, glare-free room lighting and a pleasant work environment**
 - **Pleasant light thanks to a matte-transparent panel made from high-quality plastic**
 - **Panel simultaneously protects against insects, easy to clean**
 - **Extremely economical: Latest LED technology**
 - **Technical safety concept Made by MAUL**
- Stable metal base
Environmentally-friendly and safe packaging, recyclable
- Illuminance of the lamp: 900 lux illuminance at 85 cm distance
Colour temperature per light source: 3.000 kelvins (warm white)
Number of light sources: 1
Energy efficiency class per light source: E (spectrum A to G)
Weighted energy consumption per light source: 22 kwh/1.000 h
Life L₇₀B₅₀ per light source: 10.000 h
Useful luminous flux per light source: 2.570 lumens
Material: Head: steel - column: metal
Dimensions: Head: ø 23,5 cm - column: ø 1,95 cm
Movement: Head: inclinable
Position of the switch: Column
- 825 51: Height 183 cm. Base ø 23 cm
• 825 52: Dimmable model: Comfortably adjustable output, depending on activity or desired power consumption. Height 183 cm. Base ø 23 cm

Item	Colours	Dimmable	Cable length (approx.)	Protection class	PU
825 51	90 black	no	1,70 m	II wall power adapter EU plug	1 pc(s).
825 52	90 black	yes	1,70 m	II wall power adapter EU plug	1 pc(s).

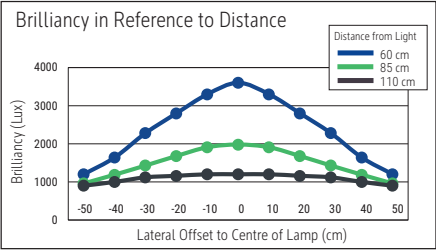
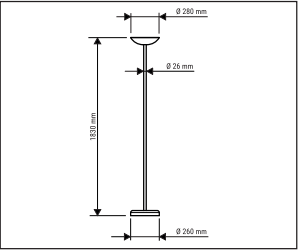
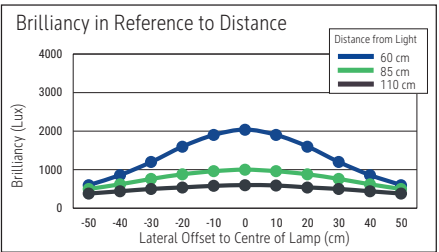
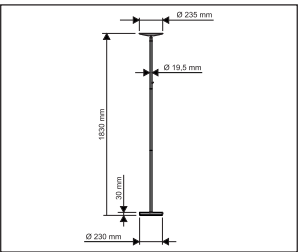
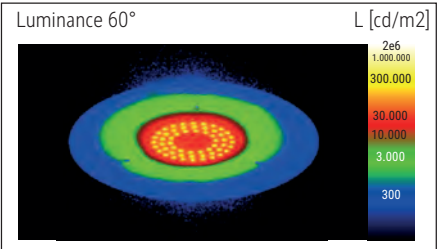
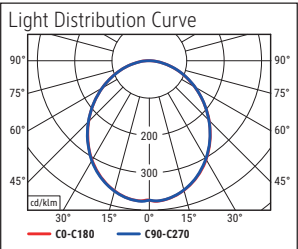
FLOOR LAMPS



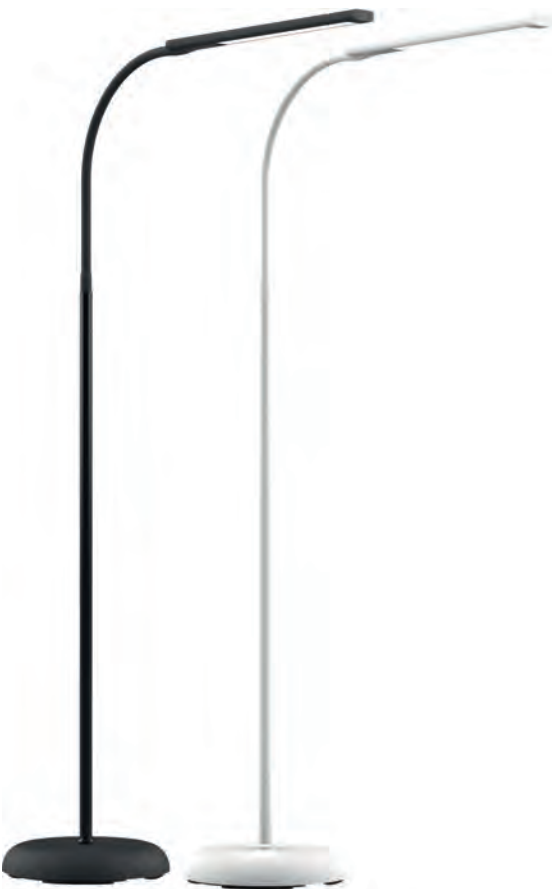
Halogen floor lamp MAULsky, dimmable

- **Comfortable: Stepless dimmer to adapt to working conditions or required energy consumption**
 - **For an indirect room lighting and a pleasant atmosphere**
 - **Natural colour rendering (like sun light at midday), CRI index 100**
 - **Technical safety concept Made by MAUL**
 - **Stepless dimmer**
- Lamp head with protective glass and reflector for optimal light distribution
Lamp holder: socket R7s
Stable column
Base switch with dimmer
Environmentally-friendly and safe packaging, recyclable
- Illuminance of the lamp: 1.980 lux illuminance at 85 cm distance, 1.200 lux illuminance at 110 cm distance
Colour temperature per light source: 2.950 kelvins (warm white)
Number of light sources: 1
Energy efficiency class per light source: G (spectrum A to G)
Weighted energy consumption per light source: 120 kwh/1.000 h
Life L₇₀B₅₀ per light source: 2.000 h
Useful luminous flux per light source: 2.250 lumens
Base: Base
Material: Head: steel - column: metal - foot: steel
Dimensions: Height: 183 cm - head: ø 28 cm - column: ø 2,6 cm - base: ø 26 cm
Position of the switch: Cable

Item	Colours	Replacement bulb	Cable length (approx.)	Protection class	PU
825 40	90 black, 95 silver	829 92 05	1,80 m	I shock-proof plug	1 pc(s).



FLOOR LAMPS



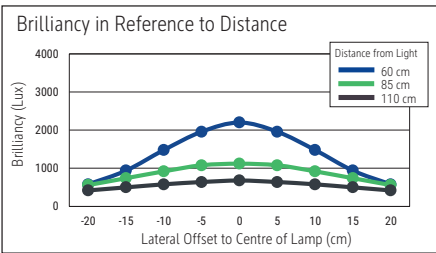
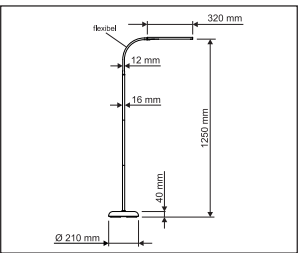
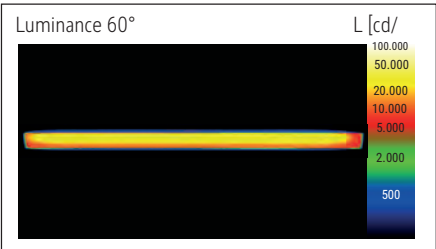
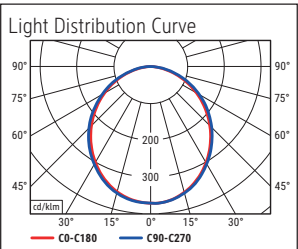
LED floor lamp MAULpirro, dimmable

- Dimmable floor model at a favourable price
- Functional: Excellent illumination of a limited space
- Flex area for the precise adjustment of the light angle
- Useful: Can be used as a reading light on the couch or bed, point-by-point light source for handicraft, for crafts or for reading areas in the office
- Extremely economical : Latest LED technology
- Also available as desk lamp with base or clamp (art. no. 820 26, 820 27)
- Technical safety concept Made by MAUL

- Muted: Understated design, harmoniously fits into any environment
- 4-level dimmer
- Sturdy: Metal column
- Convenient: Diffuser for reduction of shades
- Environmentally-friendly and safe packaging, recyclable

Illuminance of the lamp:	1.120 lux illuminance at 35 cm distance
Colour temperature per light source:	3.000 kelvins (warm white)
Number of light sources:	1
Energy efficiency class per light source:	E (spectrum A to G)
Weighted energy consumption per light source:	6 kwh/1.000 h
Life L70B50 per light source:	50.000 h
Useful luminous flux per light source:	726 lumens
Base:	Base
Material:	Head: aluminium - column: metal - arm: metal, rubberized surface - foot: steel - base: plastic encased, weight inlay
Dimensions:	Height: 126,3 cm - head: 32 cm - column: ø 1,6 cm - arm: length 38 cm - base: ø 21 cm
Movement:	Head: rotatable, inclinable - arm: rotatable, inclinable
Position of the switch:	Lamp head

Item	Colours	Cable length (approx.)	Protection class	PU
823 48	02 white, 90 black	2,00 m	II wall power adapter EU plug	1 pc(s).



FLOOR LAMPS



Floor lamp MAULfinja, excl. bulb

- Sophisticated matt black and silver metallic design
- Shapely floor lamp, attractive price/performance ratio
- Stable: Base made of robust steel with weight inlay
- Flexible: Lamp head adjustable in all directions
- Suitable both as reading and workplace lamp
- Also available as desk lamp (art. no. 823 44)
- Technical safety concept Made by MAUL

- Elegant design: Creates a harmonious work environment in offices, at home, at hotels
- Suitable for smart home if used with an additional device or an appropriate bulb
- Guaranteed: No consumption in switch-off mode
- Solid: Robust steel arm and column
- Matt white reflector for optimal light output
- Suitable for 9,5 watt LED bulb (E27 base) MAUL art. no. 829 12 05
- On/off switch is easy to reach
- Environmentally-friendly and safe packaging, recyclable

Base:	Base
Material:	Head: metal - column: steel - arm: steel - foot: metal - base: weight inlay
Dimensions:	Height: 138 cm - head: ø 13 cm - column: 130 cm, ø 19 cm - arm: length 30 cm - base: ø 25 cm
Movement:	Head: inclinable, rotatable - arm: inclinable
Position of the switch:	Cable

Item	Colours	Cable length (approx.)	Protection class	PU
823 46	90 black	2,50 m	II europlug	1 pc(s).

			Data per light source:									Data per lamp:			
Art. No.	Article description	Type	Number	Energy efficiency class	Luminous efficacy (Lm/W)	Useful luminous flux (Lumen)	Colour rendering index (Ra)	Colour temperature (Kelvin)	Weighted energy consumption (kWh/1000h)	Life (L ₇₀ B ₅₀)	Socket	Illuminance (Lux at X cm)	Voltage (Volt)	Protection Class	Page
825 92	MAULsirius colour vario, dimmable, foot	LED	2	F & E	102 & 125	2.933 & 6.951	84 & 82	3.000 - 5.700	27 & 52	20.000		3.360 85	200-240	I	23
825 93	MAULsirius colour vario, dimmable, clamp	LED	2	F & E	102 & 125	2.933 & 6.951	84 & 82	3.000 - 5.700	27 & 52	20.000		3.360 85	200-240	I	23
825 86	MAULjuvis, dimmable, foot	LED	3	D	136 & 135	2 x 2.255 & 1 x 4.549	2 x 82 & 1 x 81	4.000	2 x 16 & 1 x 32	20.000		1.920 85	200-240	I	24
825 87	MAULjuvis, dimmable, clamp	LED	3	D	136 & 135	2 x 2.255 & 1 x 4.549	2 x 82 & 1 x 81	4.000	2 x 16 & 1 x 32	20.000		1.920 85	200-240	I	24
825 84	MAULjaval, dimmable, foot	LED	3	D	136 & 135	2 x 2.255 & 1 x 4.549	2 x 82 & 1 x 81	4.000	2 x 16 & 1 x 32	20.000		1.800 85	200-240	I	25
825 83	MAULjaval, dimmable, clamp	LED	3	D	136 & 135	2 x 2.255 & 1 x 4.549	2 x 82 & 1 x 81	4.000	2 x 16 & 1 x 32	20.000		1.800 85	200-240	I	25
825 75	MAULjet, dimmable	LED	2	E & D	119 & 146	2.617 & 3.218	82	4.000	21	50.000		1.540 85	200-240	I	27
825 74	MAULjet	LED	2	E & D	119 & 146	2.617 & 3.218	82	4.000	21	50.000		1.520 85	220-240	I	28
825 70	MAULcentauri, dimmable	ESL	4	G	62	3.730	80	4.000	55	8.000	2G11	1.900 85	220-240	I	29
825 18	MAULmaioris	ESL	2	G	62	3.730	80	4.000	55	8.000	2G11	1.670 85	220-240	I	30
825 14	MAULnaos	ESL	2	G	62	3.730	80	4.000	55	8.000	2G11	1.250 85	220-240	I	31
825 51	MAULsphere	LED	1	E	118	2.570	82	3.000	22	10.000		900 85	220-240	II	32
825 52	MAULsphere, dimmable	LED	1	E	118	2.570	82	3.000	22	10.000		900 85	220-240	II	32
825 40	MAULsky, dimmable	HAL	1	G	19	2.250	100	2.950	120	2.000	R7s	1.980 85	220-240	I	33
823 48	MAULpirro, dimmable	LED	1	E	122	726	81	3.000	6	50.000		1.120 35	220-240	II	34
823 46	MAULfinja										E27		220-240	II	35

Protection class explanation on page 85

»LIGHTING

CEILING AND PENDANT LAMPS

LED ceiling and pendant lamp MAULstart

- **LED ceiling and pendant lamp for perfect interior lighting**
- **For price-conscious people**
- **Clever: Ceiling installation or pendant version, 100 % downward light emission**
- **Glare protection: Homogeneous light distribution, diffuser for reduction of shades**
- **For office, administration, workshops, classrooms, home office**
- **Technical safety concept Made by MAUL**

- Functional design: Flat, compact construction
- Extremely economical: Latest LED technology
- Sturdy: Metal housing white powder-coated
- Environmentally-friendly and safe shipping carton, recyclable
- Technical data upon request
- Available from summer 2022
- 827 37: Including steel cord suspension (1,5 m) and cable (length 2,5 m)

Item	Colours	Version	Width	Length	PU
827 37	02 white	steel cord and cable incl.	8 cm	120 cm	1 pc(s).
827 38	02 white	steel cord and cable excl.	8 cm	120 cm	1 pc(s).

Pendant and ceiling lamps from MAUL for efficient, glare-free general lighting.

LED ceiling and pendant lamp MAULeco

- **LED ceiling lamp for perfect interior lighting**
- **Powerful basic model for energy-conscious people**
- **Clever: Ceiling installation or pendant version, 100 % downward light emission**
- **Glare protection: Homogeneous light distribution, diffuser for reduction of shades**
- **For office, administration, workshops, classrooms, home office**
- **Technical safety concept Made by MAUL**

- Compact construction, functional design
- Extremely economical: Latest LED technology
- Sturdy metal housing white powder-coated
- Environmentally-friendly and safe shipping carton, recyclable
- Technical data upon request
- Available from summer 2022
- 827 47: Including steel cord suspension (1,5 m) and cable (length 2,5 m)

Item	Colours	Version	Width	Length	PU
827 47	02 white	steel cord and cable incl.	13,5 cm	119,5 cm	1 pc(s).
827 48	02 white	steel cord and cable excl.	13,5 cm	119,5 cm	1 pc(s).



»LIGHTING



LED PANELS AND ACCESSORIES



LED panel MAULrise, 59,5 cm x 59,5 cm

- **Dimensions 59,5 cm x 59,5 cm, optimal LED solution for flat & uniform general lighting**
- **Economical: Up to 50% energy consumption reduction compared to fluorescent bulbs**
- **Efficient: Low energy and maintenance costs, long lifespan**
- **Comfortable: Ceiling position freely selectable, adjustable, and easy to maintain**
- **For all parts of the building technology sector: Industry, trade, hotels and restaurants, shops**
- **With plastic diffuser for optimum light distribution**
- **Technical safety concept "Made by MAUL"**



Art. No. 832 27, 832 29, 832 31: Included suspension kit

- State-of-the-art LED technology
- Particularly flat: Frame, 1 cm in height, made of aluminium, fits perfectly into any ceiling
- Built to last: The heat dissipation required by the LEDs takes place through the frame
- From a brand name company with more than 20 years' experience in the light manufacturing industry
- Suitable for monitor-based workstations

Illuminance of the lamp:	420 lux illuminance at 175 cm distance, 210 lux illuminance at 250 cm distance
Colour temperature per light source:	4.000 kelvins (neutral white)
Energy efficiency class per light source:	F (spectrum A to G)
Weighted energy consumption per light source:	36 kwh/1.000 h
Number of light sources:	1
Life L70B50 per light source:	20.000 h
Useful luminous flux per light source:	3.333 lumens
Luminous efficacy:	101 lm/w
Glare rating:	UGR <19
Half-value angle:	92 °
IP rating:	Ip 20
Colour rendering index:	83 Ra
Colour:	Similar to RAL 9010
Dimensions:	Frame: 59,5 x 59,5 cm

- 832 25: For easy installation in grid ceilings. Quick assembly, simple cabling above the ceiling
- 832 27: For suspended mounting from the ceiling, or insertion into grid ceilings. Included suspension kit, consisting of 4 steel cables – 120 cm in length (can be individually cut to size) – and fitting material. Easy panel adjustment
- 832 28: For easy installation in grid ceilings. Dimmable, LED driver with analogue 0-10 V Control. Quick assembly, simple cabling above the ceiling
- 832 29: For suspended mounting from the ceiling, or insertion into grid ceilings. Dimmable, LED driver with analogue 0-10 V Control. Included suspension kit, consisting of 4 steel cables 120 cm in length (can be individually cut to size) – and fitting material. Easy panel adjustment
- 832 30: For easy installation in grid ceilings. Dimmable, DALI compatible LED Driver. Quick assembly, simple cabling above the ceiling
- 832 31: For suspended mounting from the ceiling, or insertion into grid ceilings. Dimmable, DALI compatible LED Driver. Included suspension kit, consisting of 4 steel cables – 120 cm in length (can be individually cut to size) – and fitting material. Easy panel adjustment

Item	Colours	Version	PU
832 25	02 white	Driver On/Off	1 pc(s).
832 27	02 white	On/Off driver, suspension kit	1 pc(s)..
832 28	02 white	0-10 V driver	1 pc(s)..
832 29	02 white	0-10 V driver, suspension kit	1 pc(s)..
832 30	02 white	DALI driver	1 pc(s)..
832 31	02 white	DALI driver, suspension kit	1 pc(s)..

LED PANELS AND ACCESSORIES



Art. No. 832 46, 832 49, 832 51: Included suspension kit

LED panel MAULrise, 62 cm x 62 cm

- **Dimensions 62 cm x 62 cm, optimal LED solution for flat & uniform general lighting**
- **Economical: Up to 50% energy consumption reduction compared to fluorescent bulbs**
- **Efficient: Low energy and maintenance costs, long lifespan**
- **Comfortable: Ceiling position freely selectable, adjustable, and easy to maintain**
- **For all parts of the building technology sector: Industry, trade, hotels and restaurants, shops**
- **With plastic diffuser for optimum light distribution**
- **Technical safety concept "Made by MAUL"**

- State-of-the-art LED technology
- Particularly flat: frame, 1 cm in height, made of aluminium, fits perfectly into any ceiling
- Built to last: The heat dissipation required by the LEDs takes place through the frame
- From a brand name company with more than 20 years' experience in the light manufacturing industry
- Suitable for monitor-based workstations

Illuminance of the lamp:	450 lux illuminance at 175 cm distance, 220 lux illuminance at 250 cm distance
Colour temperature per light source:	4.000 kelvins (neutral white)
Energy efficiency class per light source:	F (spectrum A to G)
Weighted energy consumption per light source:	36 kwh/1.000 h
Number of light sources:	1
Life L ₇₀ B ₅₀ per light source:	20.000 h
Useful luminous flux per light source:	3.351 lumens
Luminous efficacy:	101 lm/w
Glare rating:	UGR <19
Half-value angle:	92 °
IP rating:	Ip 20
Colour rendering index:	83 Ra
Colour:	Similar to RAL 9010
Dimensions:	Frame: 62 x 62 cm

- 832 45: For easy installation in grid ceilings. Quick assembly, simple cabling above the ceiling
- 832 46: For suspended mounting from the ceiling, or insertion into grid ceilings. Included suspension kit, consisting of 4 steel cables – 120 cm in length (can be individually cut to size) – and fitting material. Easy panel adjustment
- 832 48: For easy installation in grid ceilings. Dimmable, LED driver with analogue 0-10 V Control. Quick assembly, simple cabling above the ceiling
- 832 49: For suspended mounting from the ceiling, or insertion into grid ceilings. Dimmable, LED driver with analogue 0-10 V Control. Included suspension kit, consisting of 4 steel cables 120 cm in length (can be individually cut to size) – and fitting material. Easy panel adjustment
- 832 50: For easy installation in grid ceilings. Dimmable, DALI compatible LED Driver. Quick assembly, simple cabling above the ceiling
- 832 51: For suspended mounting from the ceiling, or insertion into grid ceilings. Dimmable, DALI compatible LED Driver. Included suspension kit, consisting of 4 steel cables – 120 cm in length (can be individually cut to size) – and fitting material. Easy panel adjustment

Item	Colours	Version	PU
832 45	02 white	Driver On/Off	1 pc(s).
832 46	02 white	On/Off driver, suspension kit	1 pc(s)..
832 48	02 white	0-10 V driver	1 pc(s)..
832 49	02 white	0-10 V driver, suspension kit	1 pc(s)..
832 50	02 white	DALI driver	1 pc(s)..
832 51	02 white	DALI driver, suspension kit	1 pc(s)..

LED PANELS AND ACCESSORIES



Suspension kit

- Suitable for all MAUL LED panels
- Elegant: Panel can be freely suspended
- For suspended mounting from the ceiling
- Resilient: 4 steel cables - 120 cm in length (can be individually cut to size)
- Included fitting material
- Easy panel adjustment

Item	Colours	PU
832 66	96 light silver	1 set(s)



Spring installation kit

- Accessory kit for attaching the panel to suspended ceilings and walls
- Suitable for all MAUL LED panels
- Consists of 4 spring elements, which are screwed onto the panel
- Sturdy steel springs

Item	Colours	PU
832 65	96 light silver	1 set(s)



Installation frame

- Aluminium frame for installation on ceilings
- Height 4,3 cm
- Included fitting material
- Discreetly blends into any environment
- Offers enough room for the driver above the panel
- 832 63: Suitable for a MAULrise 59,5 cm x 59,5 cm LED panel
- 832 64: Suitable for a MAULrise 62 cm x 62 cm LED panel

Item	Colours	PU
832 63	02 white	1 pc(s).
832 64	02 white	1 pc(s).



Art. No.	Size (cm)	Data per light source:								Data per lamp:				
		Number	Energy efficiency class	Luminous efficacy (Lm/W)	Useful luminous flux (Lumen)	Colour rendering index (Ra)	Colour temperature (Kelvin)	Weighted energy consumption (kWh/1000h)	Life (L ₇₀ B ₅₀)	Illuminance (Lux at X cm)	Voltage (Volt)	Driver 0-10 V	Driver DALI	Suspension kit included
832 25	59,5 x 59,5	1	F	101	3.333	83	4.000	36	20.000	420 175	220-240			
832 27	59,5 x 59,5	1	F	101	3.333	83	4.000	36	20.000	420 175	220-240			x
832 28	59,5 x 59,5	1	F	101	3.333	83	4.000	36	20.000	420 175	220-240	x		
832 29	59,5 x 59,5	1	F	101	3.333	83	4.000	36	20.000	420 175	220-240	x		x
832 30	59,5 x 59,5	1	F	101	3.333	83	4.000	36	20.000	420 175	220-240		x	
832 31	59,5 x 59,5	1	F	101	3.333	83	4.000	36	20.000	420 175	220-240		x	x
832 45	62,0 x 62,0	1	F	101	3.351	83	4.000	36	20.000	450 175	220-240			
832 46	62,0 x 62,0	1	F	101	3.351	83	4.000	36	20.000	450 175	220-240			x
832 48	62,0 x 62,0	1	F	101	3.351	83	4.000	36	20.000	450 175	220-240	x		
832 49	62,0 x 62,0	1	F	101	3.351	83	4.000	36	20.000	450 175	220-240	x		x
832 50	62,0 x 62,0	1	F	101	3.351	83	4.000	36	20.000	450 175	220-240		x	
832 51	62,0 x 62,0	1	F	101	3.351	83	4.000	36	20.000	450 175	220-240		x	x



»LIGHTING



DESK LAMPS



LED desk lamp MAULprimus colour vario, dimmable

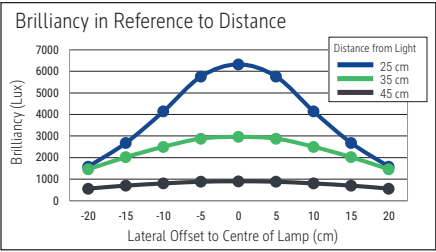
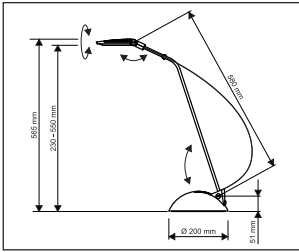
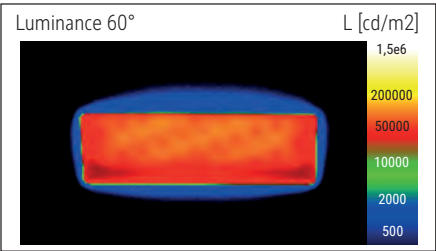
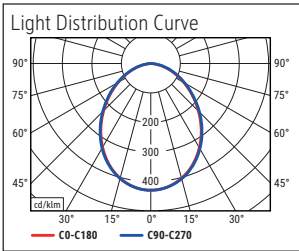
- The best in terms of quality, design and sustainability
- Individually adjustable colour temperature and illuminance
- Homogeneous light distribution & optimized glare protection due to high-quality diffuser made of PMMA
- More powerful thanks to higher illuminance
- Made in Germany: Developed and produced in our national plants, 3 years guarantee
- Supporting biological effective lighting solutions: Colour temperature adjustable depending on the time of the day and personal needs, e.g. for increasing concentration or efficiency

- Memory function: All settings are automatically saved when the lamp is switched off, also ideal for plug connectors with main switch
- Extremely economical: Latest LED technology, long service life
- Double-checked in the MAUL test laboratory
- Design "Made by Reutershahn"
- Elliptic-formed stainless steel spring



Illuminance of the lamp:	5.000 lux illuminance at 23 cm distance, 2.960 lux illuminance at 35 cm distance
Colour temperature per light source:	2.700 kelvins (warm white) to 6.500 kelvins (daylight white)
Number of light sources:	1
Energy efficiency class per light source:	E (spectrum A to G)
Weighted energy consumption per light source:	4 kwh/1.000 h
Life L ₇₀ B ₅₀ per light source:	20.000 h
Useful luminous flux per light source:	427 lumens
Base:	Base
Material:	Head: anodised aluminium - arm: steel, chromed - foot: plastic - base: velvety pad underneath, steel inlay
Dimensions:	Height: 56,5 cm - head: 12 x 5,5 cm - arm: length 58 cm - base: ø 20 cm
Movement:	Head: inclinable, rotatable - arm: inclinable
Position of the switch:	Base

Item	Colours	Cable length (approx.)	Protection class	PU
820 70	95 silver	1,90 m	I shock-proof plug	1 pc(s).



DESK LAMPS

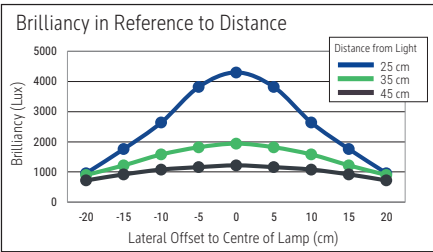
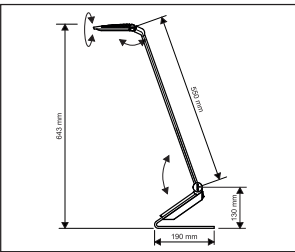
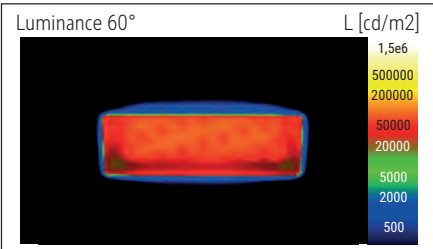
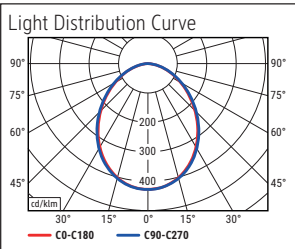


LED desk lamp MAULsolaris

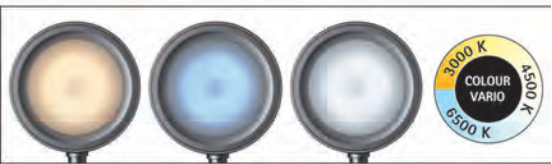
- The best in terms of quality, design and sustainability
 - Made in Germany: Developed and produced in our national plants, 3 years guarantee
 - Long-life: Better thermic management thanks to larger cooling area
 - More power thanks to higher illuminance
 - High energy efficiency
 - More secure: Homogeneous light distribution and optimized glare protection due to high-quality diffuser made of PMMA, reduced maximum luminance protects the eyes
- Design "Made by Reutershahn"
 - Extremely economical: Latest LED Technology
 - Long service life
 - Guaranteed: No consumption in switch-off mode
 - Double-checked in the MAUL test laboratory
 - Integrated power supply in base

Illuminance of the lamp:	4.300 lux illuminance at 25 cm distance
Colour temperature per light source:	4.000 kelvins (neutral white)
Number of light sources:	1
Energy efficiency class per light source:	E (spectrum A to G)
Weighted energy consumption per light source:	5 kwh/1.000 h
Life L70B50 per light source:	50.000 h
Useful luminous flux per light source:	604 lumens
Base:	Base
Material:	Head: anodised aluminium - arm: anodised aluminium - foot: metal - base: desk protection pad
Dimensions:	Height: 64,3 cm, height adjustable from 25 to 62 cm - head: 12 x 5,5 cm - arm: length 55 cm - base: 19 x 16 cm
Movement:	Head: inclinable, rotatable - arm: inclinable
Position of the switch:	Base

Item	Colours	Cable length (approx.)	Protection class	PU
820 60	95 silver	1,90 m	II europlug	1 pc(s).



DESK LAMPS

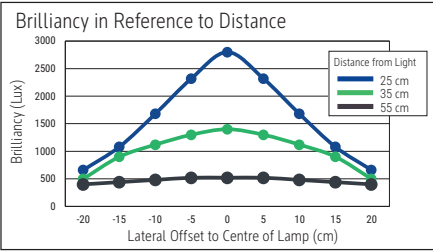
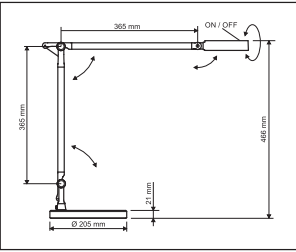
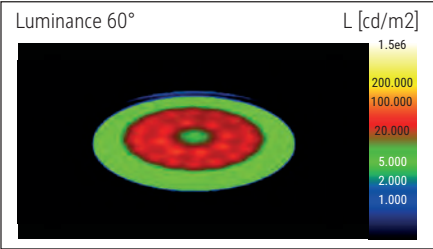
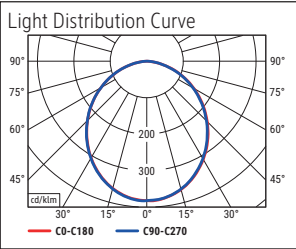


LED desk lamp MAULgrace colour vario, dimmable

- High-quality design desk lamp with double arm
 - Flexible: Stepless adjustment of the colour temperature, the illuminance can be adjusted via a 4 step dimmer depending on the time of the day and personal needs
 - Modern design: Clear lines, reduced to the simple elegance
 - Exquisite: Arms made of aluminium, brushed and anodised
 - Large illumination radius due to long double arm, shadow-free illumination from above
 - Extremely economical: Latest LED technology
 - Technical safety concept Made by MAUL
- Supporting biological effective lighting solutions: Colour temperature adjustable, e.g. to increase concentration or efficiency
 - Comfortable: Control buttons with touch function on the lamp head
 - Convenient: Diffuser for reduction of shades

Illuminance of the lamp:	1.400 lux illuminance at 35 cm distance
Colour temperature per light source:	3.000 kelvins (warm white) to 6.500 kelvins (daylight white)
Number of light sources:	1
Energy efficiency class per light source:	F (spectrum A to G)
Weighted energy consumption per light source:	6 kwh/1.000 h
Life L70B50 per light source:	20.000 h
Useful luminous flux per light source:	618 lumens
Base:	Base
Material:	Head: aluminium - arm: anodised aluminium, brushed - foot: metal - base: weight inlay, desk protection pad
Dimensions:	Height: 46,6 cm - head: ø 11,6 cm - arm: lower arm length 36,5 cm, upper arm length 36,5 cm - base: ø 20,5 cm
Movement:	Head: inclinable, rotatable - arm: rotatable, inclinable
Position of the switch:	Lamp head

Item	Colours	Cable length (approx.)	Protection class	PU
820 50	90 black, 95 silver	2,00 m	II wall power adapter EU plug	1 pc(s).



DESK LAMPS



LED desk lamp MAULspace, dimmable

- Affordable, dimmable model
- Special design element: Slightly convex arm shape
- Extremely economical: Latest LED technology
- Very energy efficient
- Sturdy: Arm with delicate appearance made of anodised aluminium
- Technical safety concept Made by MAUL

- 5-level dimmer with touch field control on the lamp base
- Convenient: Diffuser for reduction of shades

Illuminance of the lamp: 2.160 lux illuminance at 35 cm distance
Colour temperature per light source: 4.000 kelvins (neutral white)
Number of light sources: 1
Energy efficiency class per light source: E (spectrum A to G)
Weighted energy consumption per light source: 6 kwh/1.000 h
Life L70B50 per light source: 20.000 h
Useful luminous flux per light source: 691 lumens
Base: Base
Material: Head: plastic - arm: anodised aluminium - foot: plastic - base: weight inlay, desk protection pad
Dimensions: Height: 48,5 cm - head: 12,7 x 10,8 cm - arm: lower arm length 40 cm, upper arm length 40 cm - base: 21 x 16,5 cm
Movement: Head: inclinable, rotatable - arm: inclinable
Position of the switch: Base

Item	Colours	Cable length (approx.)	Protection class	PU
820 21	95 silver	1,80 m	II wall power adapter EU plug	1 pc(s).



DESK LAMPS



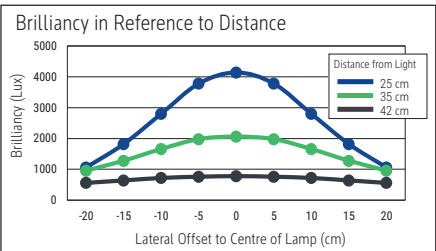
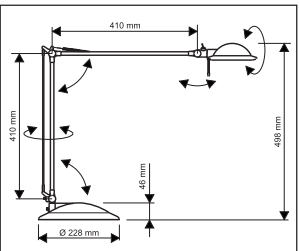
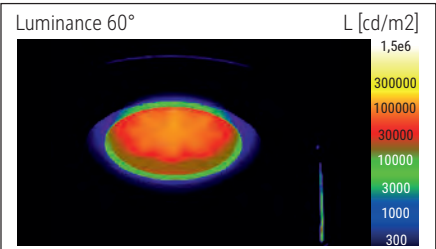
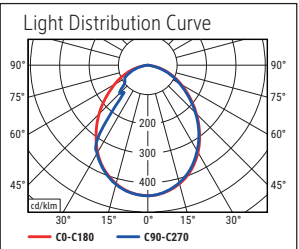
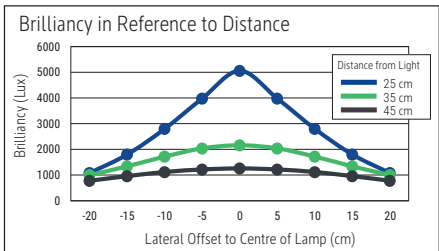
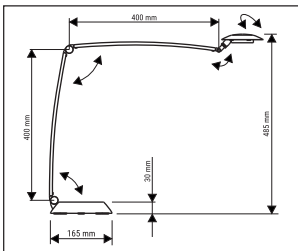
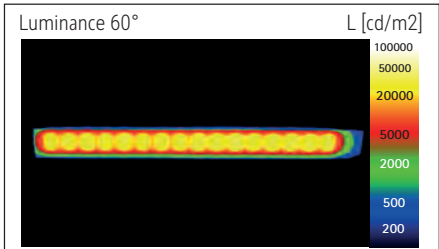
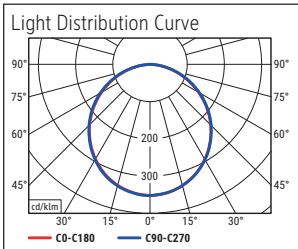
LED desk lamp MAULbusiness

- The design classic now with LED technology
- Illuminates everywhere: The long double arm provides an extremely large illumination radius
- Interference-free writing: Shadowless lighting from the top
- Extremely economical: Latest LED technology
- Variable: Metal desk clamp included as an alternative to the foot
- Technical safety concept Made by MAUL

- Convenient: Diffuser for reduction of shades

Illuminance of the lamp: 2.060 lux illuminance at 35 cm distance
Colour temperature per light source: 4.000 kelvins (neutral white)
Number of light sources: 1
Energy efficiency class per light source: E (spectrum A to G)
Weighted energy consumption per light source: 9 kwh/1.000 h
Life L70B50 per light source: 10.000 h
Useful luminous flux per light source: 1.178 lumens
Base: Base
Material: Head: plastic - arm: aluminium - foot: plastic - desk clamp: metal - base: matt anthracite surface
Dimensions: Height: 49,8 cm - head: ø 14,2 cm - arm: lower arm length 41 cm, upper arm length 41 cm - base: ø 22,8 cm, clamping width: 0 - 5,5 cm
Movement: Head: inclinable, rotatable - arm: rotatable, inclinable
Position of the switch: Lamp head

Item	Colours	Cable length (approx.)	Protection class	PU
820 40	95 silver	1,80 m	II wall power adapter EU plug	1 pc(s).



DESK LAMPS



LED desk lamp MAULoffice

NEW

- Matured design, trendy material combination, now with LED technology
- Professional lamp for the workplace, high lighting quality
- Extremely economical: Latest LED-technology
- The arm is held by means of a filigree-designed steel bar with spring
- Anti-glare lamp head and reflector for optimal light distribution
- Space-saving and stable: Both base and metal clamp are included
- Technical safety concept Made by MAUL

- Guaranteed: No consumption in switch-off mode
- Lamp holder: socket E27
- Stable metal base, elegant anthracite surface

Illuminance of the lamp:	1.620 lux illuminance at 35 cm distance
Colour temperature per light source:	3.000 kelvins (warm white)
Number of light sources:	1
Energy efficiency class per light source:	F (spectrum A to G)
Weighted energy consumption per light source:	10 kwh/1.000 h
Life L70B50 per light source:	15.000 h
Useful luminous flux per light source:	950 lumens
Base:	Base
Material:	Head: plastic - arm: aluminium - foot: plastic - desk clamp: metal - base: matt anthracite surface
Dimensions:	Height: 55,5 cm - head: 21,5 x 9,2 cm - arm: lower arm length 41 cm, upper arm length 41 cm - base: ø 22,8 cm, clamping width: 0 - 5,5 cm
Movement:	Head: inclinable, rotatable - arm: rotatable, inclinable
Position of the switch:	Lamp head

Item	Colours	Replacement bulb	Cable length (approx.)	Protection class	PU
821 50	95 silver	829 12 05	2,00 m	II europlug	1 pc(s).

DESK LAMPS



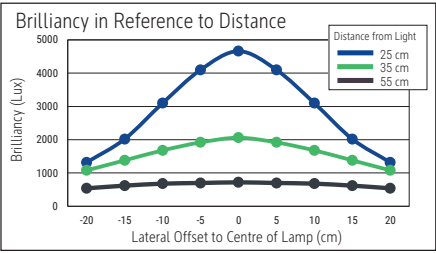
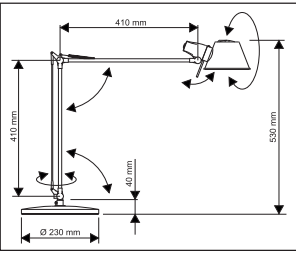
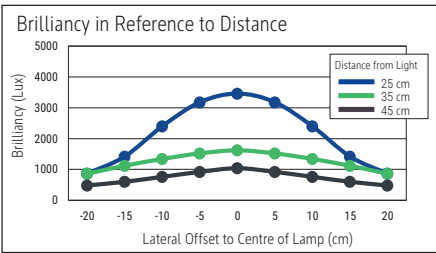
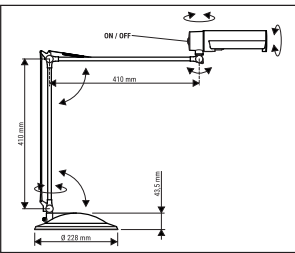
LED desk lamp MAULrock

- High energy efficiency
- Extremely economical: Latest LED technology
- High quality design: Pure shape, restrained colouring
- Professional lamp for the workplace, high lighting quality
- Elegant: Metallic look
- Technical safety concept Made by MAUL

- Suitable for smart home if used with an appropriate bulb
- Reflector for optimal light distribution
- Lamp holder: socket E27
- No consumption in switch-off mode
- Stable base

Illuminance of the lamp:	2.300 lux illuminance at 35 cm distance
Colour temperature per light source:	3.000 kelvins (warm white)
Number of light sources:	1
Energy efficiency class per light source:	F (spectrum A to G)
Weighted energy consumption per light source:	10 kwh/1.000 h
Life L70B50 per light source:	15.000 h
Useful luminous flux per light source:	950 lumens
Base:	Base
Material:	Head: aluminium - arm: aluminium - foot: metal - base: desk protection pad
Dimensions:	Height: 53 cm - head: ø 13,7 cm - arm: lower arm length 41 cm, upper arm length 41 cm - base: ø 23 cm
Movement:	Head: inclinable, rotatable - arm: rotatable, inclinable
Position of the switch:	Lamp head

Item	Colours	Replacement bulb	Cable length (approx.)	Protection class	PU
823 41	95 silver	829 12 05	1,80 m	II europlug	1 pc(s).



DESK LAMPS



LED desk lamp MAULatlantic

- Head and cooling element specially adapted to the LED operation
 - Intertek GS-label for checked safety
 - Extremely economical: Latest LED technology
 - Discreet: Long head and filigree designed parallelogram arm fit discreetly in any office environment
 - Technical safety concept Made by MAUL
- Reflector for optimal light distribution
 - Three dimensional adjustment of the lamp head
- Illuminance of the lamp: 2.140 lux illuminance at 35 cm distance
Colour temperature per light source: 6.500 kelvins (daylight white)
Number of light sources: 1
Energy efficiency class per light source: D (spectrum A to G)
Weighted energy consumption per light source: 6 kwh/1.000 h
Life L₇₀B₅₀ per light source: 10.000 h
Useful luminous flux per light source: 860 lumens
Material: Head: plastic - arm: metal
Dimensions: Head: 33 x 7 cm
Movement: Head: inclinable, rotatable
Position of the switch: Lamp head
- 820 35: Metal clamp with desk protection (max. clamping width 5,5 cm). Lower arm length: 33 cm, upper arm length: 34 cm. Height 38 cm. Arm: Inclinalable, rotatable
 - 820 36: Stable base, approx. 20 x 14 cm, with weight inlay. Lower arm length: 33 cm, upper arm length: 34 cm. Height: 41 cm. Arm: inclinable, rotatable

Item	Colours	Base	Cable length (approx.)	Protection class	PU
820 35	02 white, 90 black, 95 silver	Clamp	1,80 m	II europlug	1 pc(s).
820 36	02 white, 90 black, 95 silver	Base	1,80 m	II europlug	1 pc(s).

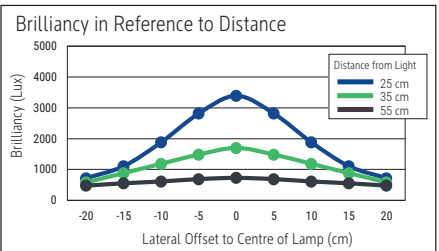
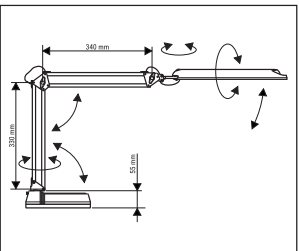
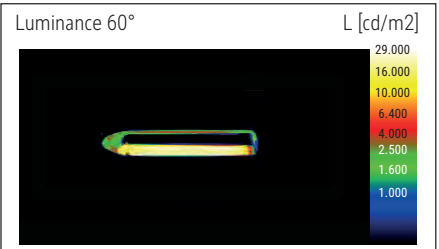
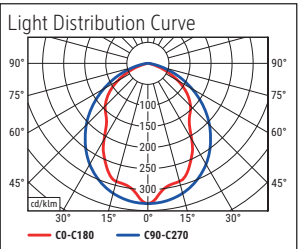
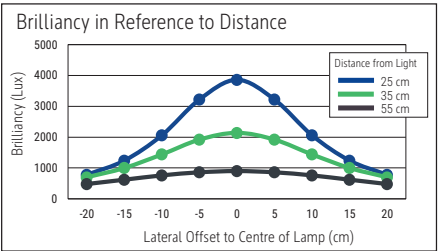
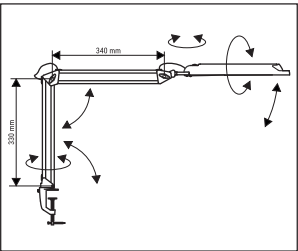
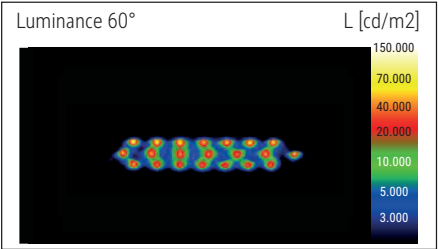
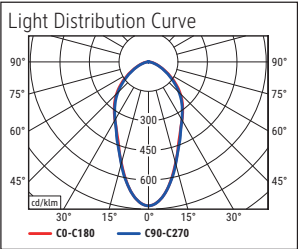
DESK LAMPS



Energy-saving desk lamp MAULatlantic

- The best price/light emitting efficiency ratio
 - Intertek GS-label for checked safety
 - Professional lamp for the workplace, high lighting quality
 - Discreet: Long head and filigree designed parallelogram arm fit discreetly in any office environment
 - A choice of 3 colours: White, black or silver
 - Technical safety concept Made by MAUL
- Reflector for optimal light distribution
 - Lamp holder: Socket G23
 - Three dimensional adjustment of the lamp head
- Illuminance of the lamp: 1.700 lux illuminance at 35 cm distance
Colour temperature per light source: 6.500 kelvins (daylight white)
Number of light sources: 1
Energy efficiency class per light source: G (spectrum A to G)
Weighted energy consumption per light source: 12 kwh/1.000 h
Life L₇₀B₅₀ per light source: 8.000 h
Useful luminous flux per light source: 791 lumens
Material: Head: plastic - arm: metal
Dimensions: Head: 36 x 7,2 cm
Movement: Head: inclinable, rotatable
Position of the switch: Lamp head
- 821 35: Metal clamp version with desk protection (max. clamping width 5,5 cm). Lower arm length: 33 cm, upper arm length: 34 cm. Height: 38 cm. Arm: inclinable, rotatable
 - 821 36: Stable base, 20 x 14 cm, with weight inlay. Lower arm length: 33 cm, upper arm length: 34 cm. Height: 41 cm. Arm: inclinable, rotatable

Item	Colours	Replacement bulb	Base	Cable length (approx.)	Protection class	PU
821 35	02 white, 90 black, 95 silver	828 12 05	Clamp	1,80 m	II europlug	1 pc(s).
821 36	02 white, 90 black, 95 silver	828 12 05	Base	1,80 m	II europlug	1 pc(s).



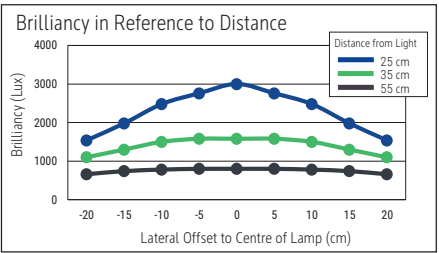
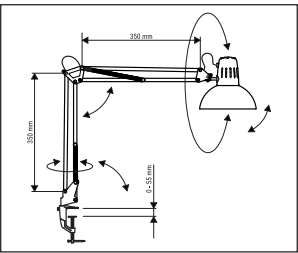
DESK LAMPS



LED desk lamp MAULstudy, bulb included

- High energy efficiency
 - Extremely economical: Latest LED technology
 - Proven in use, powerful, variable adjustment in each direction
 - Suitable for smart home if used with an appropriate bulb
 - Guaranteed: No consumption in switch-off mode
 - Technical safety concept Made by MAUL
- Reflector for optimal light distribution
 - Lamp holder: Socket E27
 - Sturdy desk clamp
- Illuminance of the lamp: 1.580 lux illuminance at 35 cm distance
- Colour temperature per light source: 3.000 kelvins (warm white)
- Number of light sources: 1
- Energy efficiency class per light source: F (spectrum A to G)
- Weighted energy consumption per light source: 10 kwh/1.000 h
- Life L_{70B50} per light source: 15.000 h
- Useful luminous flux per light source: 950 lumens
- Base: Clamp
- Material: Head: metal - arm: metal - desk clamp: metal
- Dimensions: Height: 44 cm - head: ø 17 cm - arm: lower arm length 35 cm, upper arm length 35 cm - base: clamping width: 0 - 5,5 cm
- Movement: Head: inclinable, rotatable - arm: rotatable, inclinable
- Position of the switch: Cable

Item	Colours	Replacement bulb	Cable length (approx.)	Protection class	PU
820 11	90 black	829 12 05	1,80 m	II europlug	1 pc(s).



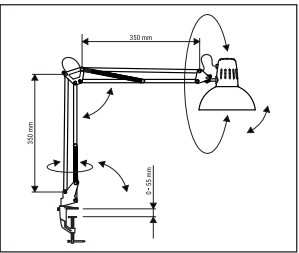
DESK LAMPS



Desk lamp MAULstudy chrome, without bulb

- Successful lamp in classic design, convincing price/performance ratio
 - Proven in use and powerful, variable adjustment in each direction
 - Professional lamp for the workplace, high lighting quality
 - Suitable for smart home if used with an appropriate bulb
 - Technical safety concept Made by MAUL
- Suitable for 9,5 watt LED bulb (E27 base) MAUL art.no. 829 12 05
 - Reflector for optimal light distribution
 - Sturdy desk clamp
- Base: Clamp
- Material: Head: chrome-plated metal - arm: chrome-plated metal - desk clamp: metal
- Dimensions: Height: 44 cm - head: ø 17 cm - arm: lower arm length 35 cm, upper arm length 35 cm - base: clamping width: 0 - 5,5 cm
- Movement: Head: inclinable, rotatable - arm: rotatable, inclinable
- Position of the switch: Cable

Item	Colours	Cable length (approx.)	Protection class	PU
823 07	96 light silver	1,80 m	II europlug	1 pc(s).



DESK LAMPS



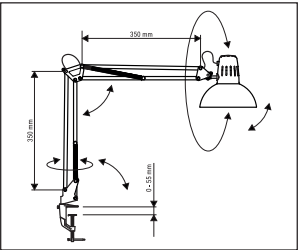
Desk lamp MAULstudy, without bulb NEW

- Successful lamp in classic design, convincing price/performance ratio
- Proven in use and powerful, variable adjustment in each direction
- Professional lamp for the workplace, high lighting quality
- Suitable for smart home if used with an appropriate bulb
- Technical safety concept Made by MAUL

- Suitable for 9,5 watt LED bulb (E27 base) MAUL art. no. 829 12 05
- Reflector for optimal light distribution
- Sturdy desk clamp

Base:	Clamp
Material:	Head: metal - arm: metal - desk clamp: metal
Dimensions:	Height: 44 cm - head: ø 17 cm - arm: lower arm length 35 cm, upper arm length 35 cm - base: clamping width: 0 - 5,5 cm
Movement:	Head: inclinable, rotatable - arm: rotatable, inclinable
Position of the switch:	Cable

Item	Colours	Cable length (approx.)	Protection class	PU
823 05	02 white, 25 red, 90 black, 95 silver	1,80 m	II europlug	1 pc(s).



DESK LAMPS



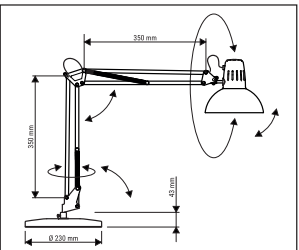
Desk lamp MAULstudy, without bulb NEW

- Successful lamp in classic design, convincing price/performance ratio
- Proven in use and powerful, variable adjustment in each direction
- Particularly stable: Heavy base allows wide extension of the arm
- Professional lamp for the workplace, high lighting quality
- Suitable for smart home if used with an appropriate bulb
- Technical safety concept Made by MAUL

- Suitable for 9,5 watt LED bulb (E27 base) MAUL art. no. 829 12 05
- Reflector for optimal light distribution
- Without arm extension limit
- Sturdy base
- Available from May 2022

Base:	Base
Material:	Head: metal - arm: metal - base: weight inlay, desk protection pad
Dimensions:	Height: 47 cm - head: ø 17 cm - arm: lower arm length 35 cm, upper arm length 35 cm - base: ø 23 cm
Movement:	Head: rotatable, inclinable - arm: rotatable, inclinable
Position of the switch:	Cable

Item	Colours	Cable length (approx.)	Protection class	PU
823 04	90 black, 95 silver	1,80 m	II europlug	1 pc(s).





»LIGHTING

DESK LAMPS



LED desk lamp MAULstella colour vario, dimmable

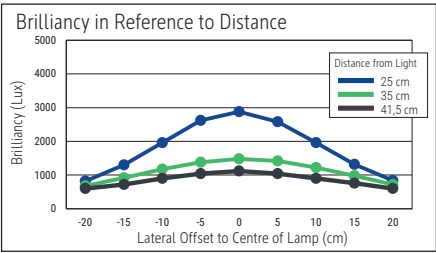
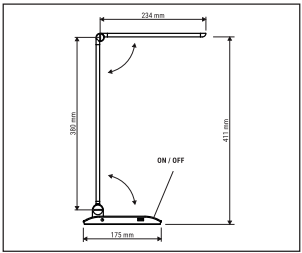
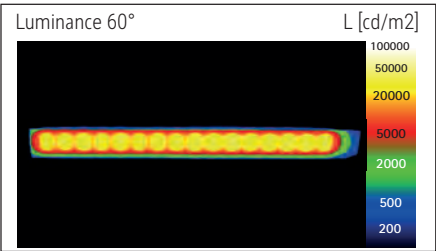
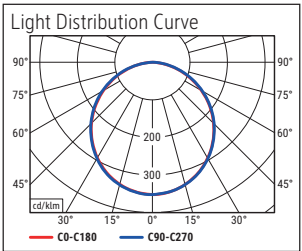
- **Powerful:** Colour temperature and illuminance adjustable
- **Simply put the smartphone on:** With integrated wireless charger, Qi certified
- **Additional:** 5V, max. 500 mA USB type A connection
- **Charge two devices simultaneously:** One wirelessly and the other via the USB connection
- **Noble:** Arm made of anodised aluminium
- **Extremely economical:** Modern LED technology
- **Convenient:** Illuminance dimmable in 3 levels, colour temperature adjustable in 3 levels

- For charging mobile devices such as smartphones or smartwatches
- Qi-certified, inductive charging function, type Class 0, version 1.2 4, registration number 9009, compatible with all Qi-certified end devices
- Automatic start of the charging process when placed on the charging surface
- No cable mess, no need to search for the correct charging socket, less wear and tear on the plug contacts
- Convenient: Diffuser for reduction of shades
- Touch field operation on the lamp base for convenient light adjustment

Illuminance of the lamp:	1.480 lux illuminance at 35 cm distance
Colour temperature per light source:	3.000 kelvins (warm white) to 6.500 kelvins (daylight white)
Number of light sources:	1
Energy efficiency class per light source:	D (spectrum A to G)
Weighted energy consumption per light source:	5 kwh/1.000 h
Life L70B50 per light source:	20.000 h
Useful luminous flux per light source:	733 lumens
Base:	Base
Material:	Head: anodised aluminium - arm: anodised aluminium - base: weight inlay, desk protection pad
Dimensions:	Height: 42 cm - head: 23 x 4,2 cm - arm: length 38 cm - base: 17,5 x 10,4 cm
Movement:	Head: inclinable - arm: inclinable
Position of the switch:	Base



Item	Colours	Cable length (approx.)	Protection class	PU
820 20	89 anthracite	1,70 m	II wall power adapter EU plug	1 pc(s).



DESK LAMPS



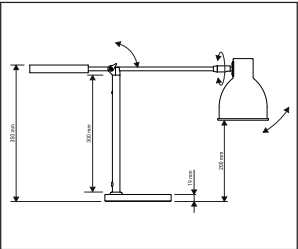
Desk lamp MAULfinja, excl. bulb

- Sophisticated matt black and silver metallic design
- Elegant work place light, attractive price/performance ratio
- Flexible: Head can be adjusted in all directions
- Elegant design: Creates a harmonious work environment in offices, at home, at hotels
- Suitable for smart home if used with an appropriate bulb
- Also available as floor lamp (art. no. 823 46)
- Technical safety concept Made by MAUL

- Guaranteed: No consumption in switch-off mode
- Solid: Robust steel arm and base
- Matt white reflector for optimal light output
- Suitable for 9,5 watt LED bulb (E27 base) MAUL art. no. 829 12 05

Base:	Base
Material:	Head: metal - arm: steel - foot: metal - base: weight inlay, desk protection pad
Dimensions:	Height: 36 cm - head: ø 13 cm - arm: lower arm length 30 cm, upper arm length 30 cm - base: ø 17 cm
Movement:	Head: inclinable, rotatable - arm: inclinable
Position of the switch:	Cable

Item	Colours	Cable length (approx.)	Protection class	PU
823 44	90 black	1,80 m	II europlug	1 pc(s).



DESK LAMPS



LED desk lamp MAULrubia colour vario, dimmable

- High-performance: Adjustable colour temperature and brightness
- Promotes biologically effective lighting concepts: Colour temperature adjustable based on time of day and needs, e.g. for enhanced attention and performance
- With built-in USB type A connector as a power source for charging mobile devices
- Convenient: Brightness can be dimmed in 4 levels, colour temperature can be adjusted steplessly
- High-quality design: Reduced, clear shape
- Extremely economical: Latest LED technology
- Technical safety concept Made by MAUL

- Homogeneous light distribution and optimised glare-protection thanks to diffusing lens

Illuminance of the lamp: 1.520 lux illuminance at 35 cm distance
Colour temperature per light source: 3.000 kelvins (warm white) to 6.500 kelvins (daylight white)

Number of light sources: 1
Energy efficiency class per light source: F (spectrum A to G)

Weighted energy consumption per light source: 6 kwh/1.000 h

Life L₇₀B₅₀ per light source: 20.000 h

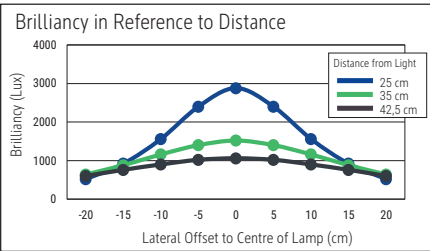
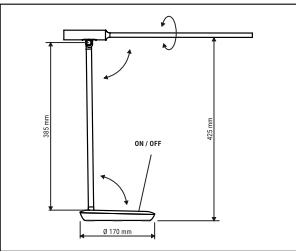
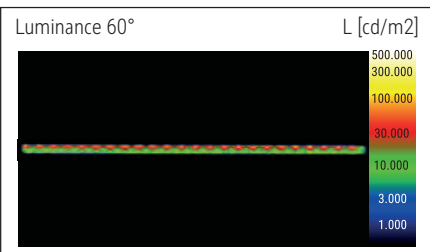
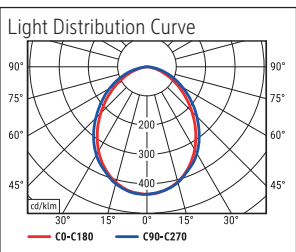
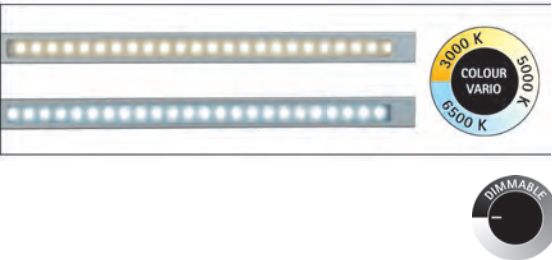
Useful luminous flux per light source: 594 lumens
Material: Arm: anodised aluminium - foot: plastic - base: weight inlay, desk protecting foam rubber pads

Dimensions: Height: 44 cm - head: 32,5 x 2,1 cm - arm: length 38,5 cm - base: ø 17 cm

Movement: Head: inclinable, rotatable - arm: inclinable

Position of the switch: Base

Item	Colours	Cable length (approx.)	Protection class	PU
820 15	95 silver	1,80 m	II wall power adapter EU plug	1 pc(s).



DESK LAMPS



LED desk lamp MAULpure, dimmable

- Attractively priced dimmable product
- With integrated 5V, max. 500 mA USB type A connection for charging e.g. smartphones
- Clever: Illumination on the base indicates the dimming level
- Extremely economical: Latest LED technology
- Elegant: Arm and luminaire head made of aluminium
- Technical safety concept Made by MAUL

- 7 step dimmer with touch function on the lamp base
- Convenient: Diffuser for reduction of shades

Illuminance of the lamp:	1.800 lux illuminance at 35 cm distance
Colour temperature per light source:	6.500 kelvins (daylight white)
Number of light sources:	1
Energy efficiency class per light source:	E (spectrum A to G)
Weighted energy consumption per light source:	6 kwh/1.000 h
Life L _{70B50} per light source:	20.000 h
Useful luminous flux per light source:	728 lumens
Base:	Base
Material:	Head: anodised aluminium - arm: anodised aluminium - foot: plastic - base: weight inlay, desk protection pad
Dimensions:	Height: 46,5 cm - head: 23 x 5 cm - arm: length 41 cm - base: 19 x 13 cm
Movement:	Head: inclinable, rotatable - arm: inclinable
Position of the switch:	Base

Item	Colours	Cable length (approx.)	Protection class	PU
820 22	95 silver	1,80 m	II wall power adapter EU plug	1 pc(s).



DESK LAMPS



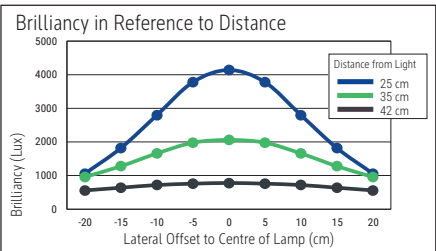
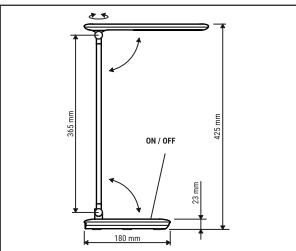
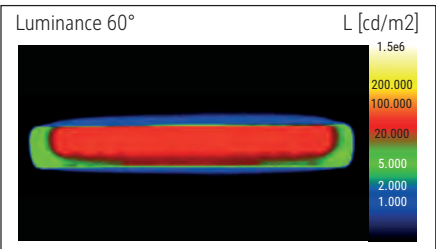
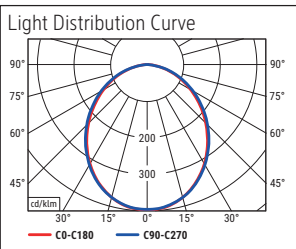
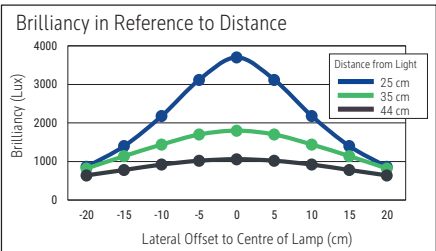
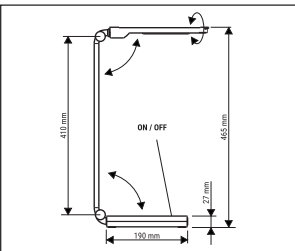
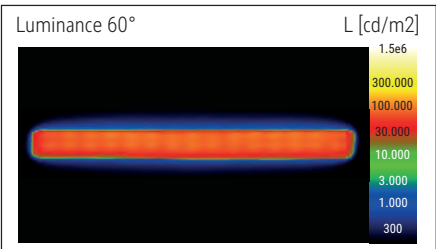
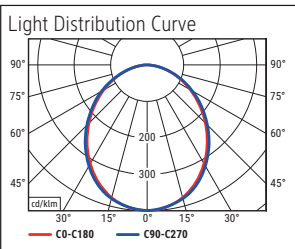
LED desk lamp MAULjazzy, dimmable

- Compact dimmable LED model for price-conscious customers
- With integrated 5V, max. 500 mA USB type A connection for charging e.g. smartphones
- Elegant: Arm made of anodised aluminium
- Extremely economical: Latest LED technology
- Space-saving and handy
- Technical safety concept Made by MAUL

- 5 step dimmer with touch function on the luminaire base
- Convenient: Diffuser for reduction of shades
- Colour white: Illumination on the base indicates the dimming level

Illuminance of the lamp:	2.060 lux illuminance at 35 cm distance
Colour temperature per light source:	4.000 kelvins (neutral white)
Number of light sources:	1
Energy efficiency class per light source:	E (spectrum A to G)
Weighted energy consumption per light source:	6 kwh/1.000 h
Life L _{70B50} per light source:	20.000 h
Useful luminous flux per light source:	716 lumens
Material:	Head: plastic - arm: anodised aluminium - foot: plastic - base: weight inlay, desk protection pad
Dimensions:	Height: 42,5 cm - head: 26 x 5 cm - arm: length 36,5 cm - base: 18 x 13 cm
Movement:	Head: inclinable, rotatable - arm: inclinable
Position of the switch:	Base

Item	Colours	Cable length (approx.)	Protection class	PU
820 18	02 white, 90 black	1,80 m	II wall power adapter EU plug	1 pc(s).



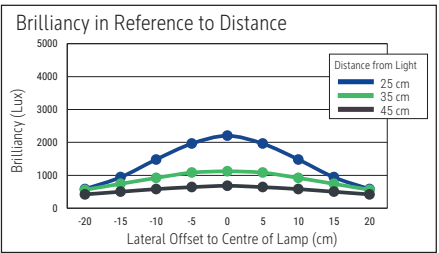
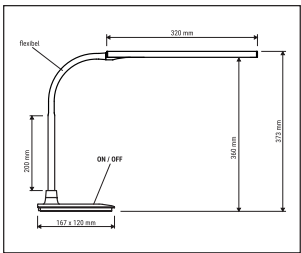
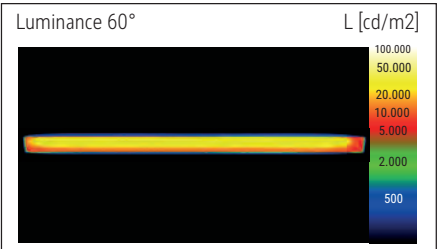
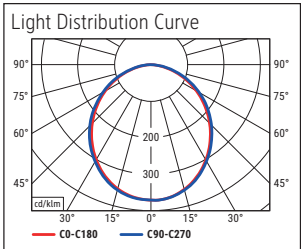
DESK LAMPS



LED desk lamp MAULpirro, dimmable

- Affordable, dimmable LED lamp
 - To choose from: Desk lamp with base or clamp or floor lamp (art. no. 823 48)
 - Flex area for the precise adjustment of the light angle
 - Muted: Understated design, harmoniously fits into any space
 - Extremely economical: Latest LED technology
 - Technical safety concept Made by MAUL
- 4-level dimmer
• Convenient: Diffuser for reduction of shades
- Illuminance of the lamp: 1.120 lux illuminance at 35 cm distance
Colour temperature per light source: 3.000 kelvins (warm white)
Number of light sources: 1
Energy efficiency class per light source: E (spectrum A to G)
Weighted energy consumption per light source: 6 kwh/1.000 h
Life L₇₀B₅₀ per light source: 50.000 h
Useful luminous flux per light source: 726 lumens
Material: Head: aluminium - arm: metal, rubberized surface
Dimensions: Head: 32 cm
Movement: Head: inclinable, rotatable
- 820 26: Arm length 38 cm, metal clamp (max. clamping width 4,5 cm), convenient touch function: switch on lamp head. Height: 37,3 cm. Arm: inclinable, rotatable
 - 820 27: Arm length 36,5 cm, sturdy plastic base with weight insert 16,7 x 12 cm, switch on base. Height: 37,3 cm. Arm: inclinable, rotatable

Item	Colours	Base	Cable length (approx.)	Protection class	PU
820 26	90 black	Clamp	1,50 m	II wall power adapter EU plug	1 pc(s).
820 27	90 black	Base	1,50 m	II wall power adapter EU plug	1 pc(s).



DESK LAMPS



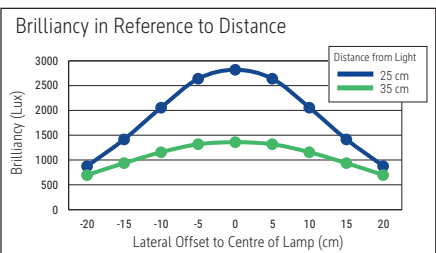
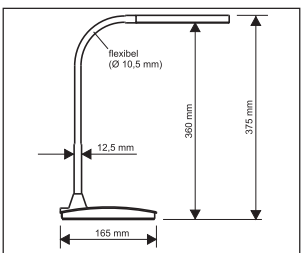
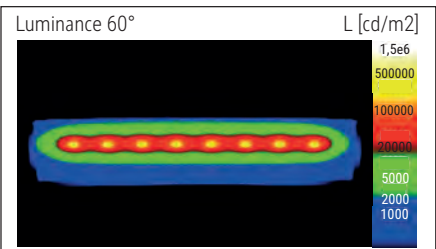
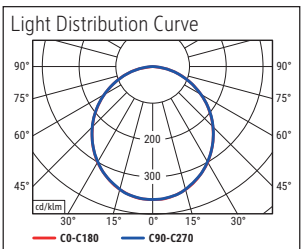
LED desk lamp MAULpearly colour vario, dimmable NEW

- The powerful compact lamp
- Flexible: Colour temperature and illuminance can be adjusted in 3 steps depending on the time of the day and personal needs
- Good illumination of a limited area with strong light need
- Extremely economical: Latest LED technology
- Convenient: Stable arm with flexible range for adjustment of the angle
- Technical safety concept Made by MAUL

- Comfortable control buttons with touch function on the lamp base
- Convenient: Diffuser for reduction of shades

Illuminance of the lamp: 1.360 lux illuminance at 35 cm distance
Colour temperature per light source: 3.000 kelvins (warm white) to 6.500 kelvins (daylight white)
Number of light sources: 1
Energy efficiency class per light source: D (spectrum A to G)
Weighted energy consumption per light source: 5 kwh/1.000 h
Life L₇₀B₅₀ per light source: 50.000 h
Useful luminous flux per light source: 616 lumens
Base: Base
Material: Head: plastic - arm: steel - foot: plastic - base: weight inlay, desk protection pad
Dimensions: Height: 37,5 cm - head: 16 x 6 cm - arm: length 35,7 cm - base: 16,5 x 10,6 cm
Movement: Head: inclinable, rotatable - arm: rotatable, inclinable
Position of the switch: Base

Item	Colours	Cable length (approx.)	Protection class	PU
820 17	02 white, 32 atlantic blue, 52 lime, 90 black, 95 silver	1,70 m	II wall power adapter EU plug	1 pc(s).



DESK LAMPS

LED desk lamp MAULjoy

- Joyful desk lamp in the latest colour trends
- A splash of colour for anyone with a love for colours, also ideal for student desks
- Cool: Matt surface
- Extremely low consumption: Latest LED technology, high energy efficiency
- Small but strong: Very suitable for small working areas, high luminous intensity
- Technical safety concept Made by MAUL
- Compact shape: Space-saving and handy, very good price/performance ratio

- Sturdy flex-arm for adjustment of the angle
- Convenient: Diffuser for reduction of shades
- Base and head made of strong plastic material, rubber-coated metal arm

Illuminance of the lamp: 1.880 lux illuminance at 33 cm distance

Colour temperature per light source: 3.000 kelvins (warm white)

Number of light sources: 1

Energy efficiency class per light source: D (spectrum A to G)

Weighted energy consumption per light source: 5 kwh/1.000 h

Life L70B50 per light source: 15.000 h

Useful luminous flux per light source: 769 lumens

Material: Head: plastic - arm: metal, rubberized surface - foot: plastic - base: weight inlay

Dimensions: Height: 33,5 cm - head: ø 11,8 cm - arm: length 35,8 cm - base: ø 13,7 cm

Movement: Head: inclinable, rotatable - arm: rotatable, inclinable

Position of the switch: Lamp head

Item	Colours	Cable length (approx.)	Protection class	PU
820 06	23 touch of rose, 32 atlantic blue, 52 lime, 90 black	1,80 m	II wall power adapter EU plug	1 pc(s).

COLOUR MY WORK

Discover more ideas about the Colour My Work products here:



The new trend colours from the #colourmywork range

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Lime

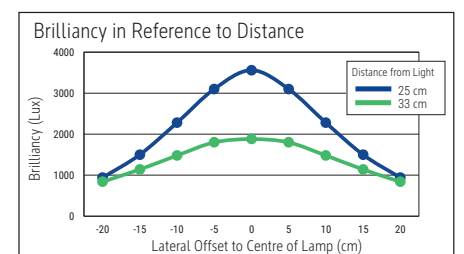
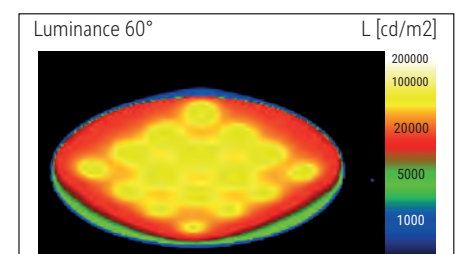
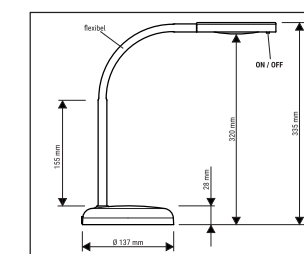
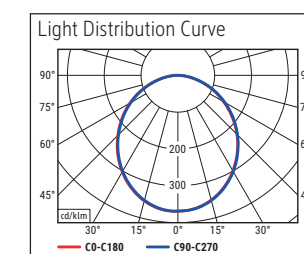
Touch of Rose

Atlantic Blue

Sahara



COLOUR MY WORK



DESK LAMPS



LED desk lamp MAULarc

NEW

- **For price-conscious people: Very good price/performance ratio**
 - **High energy efficiency**
 - **Extremely low consumption: State of the art LED technology**
 - **Small but strong: Very suitable for small working areas with strong light need**
 - **Technical safety concept Made by MAUL**
 - **Compact shape: Space-saving and handy**
- Guaranteed: No consumption in switch-off mode
 - Sturdy flex arm can be rotated and tilted in all directions
 - Convenient: Diffuser for reduction of shades
 - Stable plastic lamp head and plastic base, sturdy metal arm
- Illuminance of the lamp: 1.340 lux illuminance at 34 cm distance
Colour temperature per light source: 3.000 kelvins (warm white)
Number of light sources: 1
Energy efficiency class per light source: D (spectrum A to G)
Weighted energy consumption per light source: 4 kwh/1.000 h
Life L70B50 per light source: 50.000 h
Useful luminous flux per light source: 542 lumens
Base: Base
Material: Head: plastic - arm: metal - foot: plastic - base: weight inlay, desk protection pad
Dimensions: Height: 38 cm - head: ø 9,3 cm - arm: length 37 cm - base: ø 13,5 cm
Movement: Head: inclinable, rotatable - arm: rotatable, inclinable
Position of the switch: Base

Item	Colours	Cable length (approx.)	Protection class	PU
820 04	02 white, 90 black, 95 silver	1,50 m	II europlug	1 pc(s).

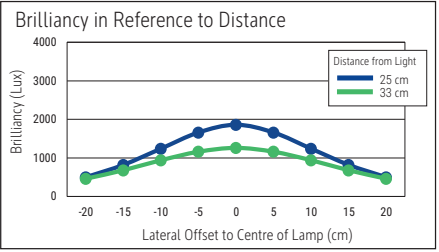
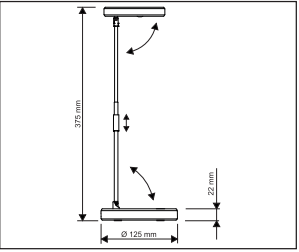
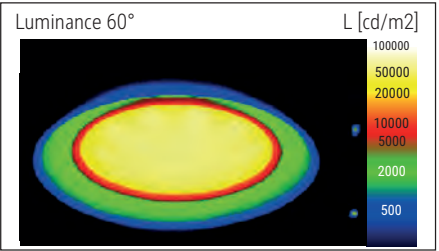
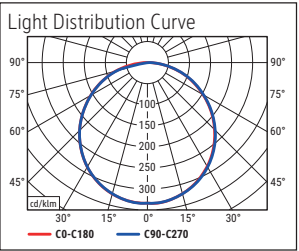
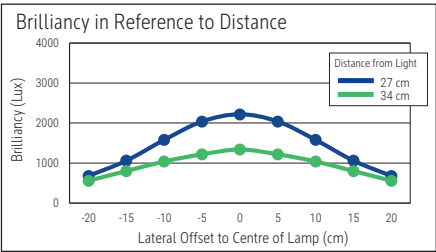
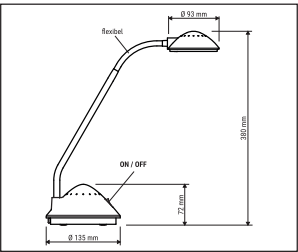
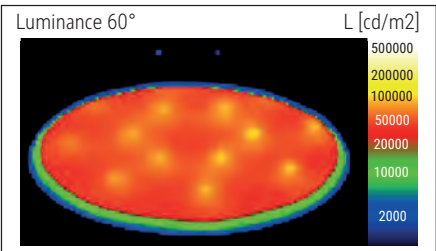
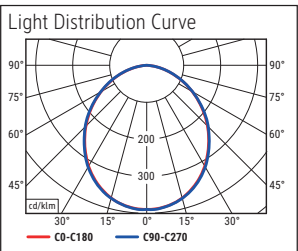
DESK LAMPS



LED desk lamp MAULpuck

- **Smart colours, trendy design**
 - **Adjustable: Twin telescopic arm made of steel, variable length 18,5 to approx. 33 cm**
 - **Can be clapped together saving space: Fits in drawers or in the suitcase**
 - **Particularly bright, daylight white light, extremely economical: Latest LED technology**
 - **Technical safety concept Made by MAUL**
- Compact design: Space-saving and handy
 - Convenient: Diffuser for reduction of shades
- Illuminance of the lamp: 1.260 lux illuminance at 30 cm distance
Colour temperature per light source: 6.500 kelvins (daylight white)
Number of light sources: 1
Energy efficiency class per light source: E (spectrum A to G)
Weighted energy consumption per light source: 3 kwh/1.000 h
Life L70B50 per light source: 50.000 h
Useful luminous flux per light source: 367 lumens
Base: Base
Material: Head: plastic - arm: metal - foot: plastic - base: weight inlay, desk protection pad
Dimensions: Height: 37,5 cm - head: ø 10 cm - arm: length 33 cm - base: ø 12,5 cm
Movement: Head: inclinable - arm: inclinable
Position of the switch: Base

Item	Colours	Cable length (approx.)	Protection class	PU
820 12	02 white, 22 pink, 54 light green, 90 black	1,80 m	II wall power adapter EU plug	1 pc(s).



DESK LAMPS



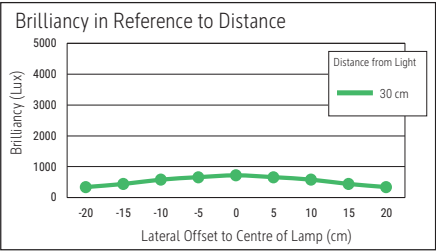
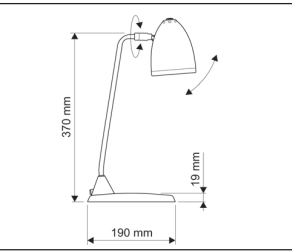
LED desk lamp MAULstarlet

- **Design lamp:** Each colour an eye-catcher
- **Extremely economical:** Latest LED technology, high energy efficiency
- **Long living bulb**
- **Technical safety concept** Made by MAUL
- **Compact design:** Space-saving and handy

- Suitable for smart home if used with an appropriate bulb
- Lamp holder: Socket E27, sturdy lacquered base

Illuminance of the lamp:	720 lux illuminance at 30 cm distance
Colour temperature per light source:	3.000 kelvins (warm white)
Number of light sources:	1
Energy efficiency class per light source:	G (spectrum A to G)
Weighted energy consumption per light source:	3 kwh/1.000 h
Life L ₇₀ B ₅₀ per light source:	20.000 h
Useful luminous flux per light source:	250 lumens
Base:	Base
Material:	Head: metal - arm: metal - foot: metal
Dimensions:	Height: 41 cm - head: ø 9,5 x 12 cm - arm: length 31 cm - base: 19 x 15,6 cm
Movement:	Head: inclinable, rotatable
Position of the switch:	Cable

Item	Colours	Replacement bulb	Cable length (approx.)	Protection class	PU
823 10	02 white, 25 red, 90 black	829 03 05	1,70 m	II europlug	1 pc(s).



DESK LAMPS

Art. No.	Article description	Type	Data per light source:									Data per lamp:			Page
			Number	Energy efficiency class	Lumi-nous efficacy (Lm/W)	Useful lu-minous flux (Lumen)	Colour rendering index (Ra)	Colour temperature (Kelvin)	Weighted energy consumption (kWh/1000h)	Life (L ₇₀ B ₅₀)	Socket	Illuminance (Lux at X cm)	Voltage (Volt)	Protec-tion Class	
820 70	MAULprimus colour vario, dimmable	LED	1	E	123	427	83	2.700 - 6.500	4	20.000		2.960 35	100-240	I	43
820 60	MAULsolaris	LED	1	E	133	604	86	4.000	5	50.000		4.300 25	100-240	II	44
820 50	MAULgrace colour vario, dimmable	LED	1	F	112	618	84	3.000 - 6.500	6	20.000		1.400 35	220-240	II*	45
820 21	MAULspace, dimmable	LED	1	E	114	691	84	4.000	6	20.000		2.160 35	220-240	II*	46
820 40	MAULbusiness	LED	1	E	126	1.178	83	4.000	9	10.000		2.060 35	220-240	II*	47
821 50	MAULoffice	LED	1	F	87	950	80	3.000	10	15.000	E27	1.620 35	220-240	II	48
823 41	MAULrock	LED	1	F	87	950	80	3.000	10	15.000	E27	2.300 35	220-240	II	49
820 35	MAULatlantic, clamp	LED	1	D	142	860	81	6.500	6	10.000		2.140 35	220-240	II	50
820 36	MAULatlantic, foot	LED	1	D	142	860	81	6.500	6	10.000		2.140 35	220-240	II	50
821 35	MAULatlantic, clamp	ESL	1	G	62	791	86	6.500	12	8.000	G23	1.700 35	220-240	II	51
821 36	MAULatlantic, foot	ESL	1	G	62	791	86	6.500	12	8.000	G23	1.700 35	220-240	II	51
820 11	MAULstudy	LED	1	F	87	950	80	3.000	10	15.000	E27	1.580 35	220-240	II	52
823 07	MAULstudy chrome										E27		220-240	II	53
823 05	MAULstudy, clamp										E27		220-240	II	54
823 04	MAULstudy, foot										E27		220-240	II	55
820 20	MAULstella colour vario, dimmable	LED	1	D	141	733	81	3.000 - 6.500	5	20.000		1.480 35	100-240	II*	57
823 44	MAULfinja										E27		220-240	II	58
820 15	MAULrubia colour vario, dimmable	LED	1	F	103	594	82	3.000 - 6.500	6	20.000		1.520 35	220-240	II*	59
820 22	MAULpure, dimmable	LED	1	E	132	728	83	6.500	6	20.000		1.800 35	220-240	II*	60
820 18	MAULjazzy, dimmable	LED	1	E	130	716	84	4.000	6	20.000		2.060 35	100-240	II*	61
820 26	MAULpiro, dimmable, clamp	LED	1	E	122	726	81	3.000	6	50.000		1.120 35	220-240	II*	62
820 27	MAULpiro, dimmable, foot	LED	1	E	122	726	81	3.000	6	50.000		1.120 35	220-240	II*	62
820 17	MAULpearly colour vario, dimmable	LED	1	D	139	616	83	3.000 - 6.500	5	50.000		1.360 35	220-240	II*	63
820 06	MAULjoy	LED	1	D	143	769	81	3.000	5	15.000		1.880 33	220-240	II*	65
820 04	MAULarc	LED	1	D	139	542	82	3.000	4	50.000		1.340 34	220-240	II	66
820 12	MAULpuck	LED	1	E	117	367	83	6.500	3	50.000		1.260 30	220-240	II*	67
823 10	MAULstarlet	LED	1	G	83	250	81	3.000	3	20.000	E27	720 30	220-240	II	68

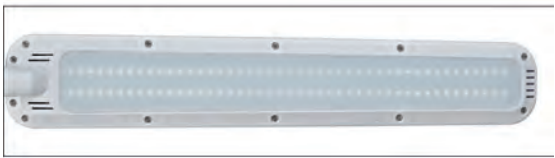
Protection class explanation on page 85



»LIGHTING



WORKSTATION LAMPS



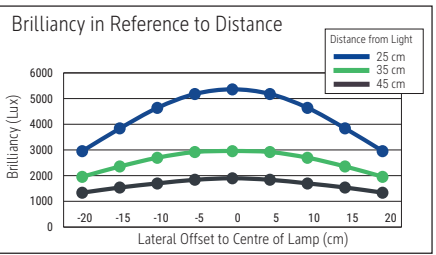
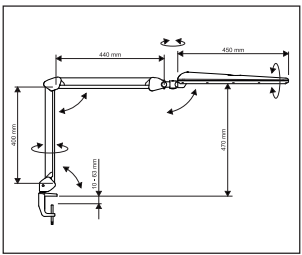
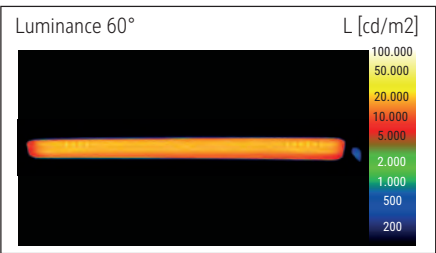
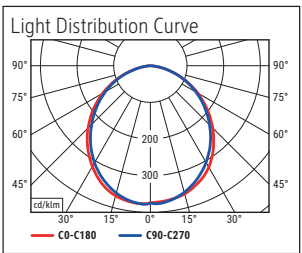
LED workstation lamp MAULcraft, dimmable

- **Powerful LED workstation lamp with an appealing design**
- **Stepless dimmer with touch function on the lamp head**
- **Perfect for professionals: Ideal for laboratories, workshops, engineering offices and studios**
- **Extremely economical: Latest LED technology, high energy efficiency**
- **Solid: Robust metal arm made of steel tube with inner spring and sturdy desk clamp with steel inlay**
- **Technical safety concept Made by MAUL**

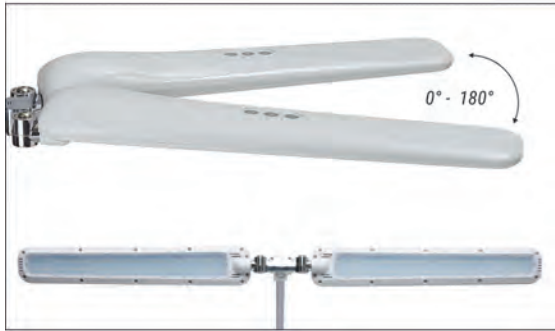
- Noble: White high-gloss surface
- Three-dimensionally adjustable lamp head
- Homogeneous light distribution and optimized glare protection by diffuser

Illuminance of the lamp:	2.960 lux illuminance at 35 cm distance
Colour temperature per light source:	6.500 kelvins (daylight white)
Number of light sources:	1
Energy efficiency class per light source:	E (spectrum A to G)
Weighted energy consumption per light source:	13 kwh/1.000 h
Life L _{70B50} per light source:	10.000 h
Useful luminous flux per light source:	1.721 lumens
Material:	Head: plastic - arm: metal, steel tube - desk clamp: metal, plastic coated
Dimensions:	Height: 52 cm - head: 8 x 45 cm - arm: lower arm length 40 cm, upper arm length 44 cm - base: clamping width: 1 - 6,3 cm
Movement:	Head: inclinable, rotatable - arm: inclinable, rotatable
Position of the switch:	Lamp head

Item	Colours	Cable length (approx.)	Protection class	PU
820 53	02 white	1,70 m	II europlug	1 pc(s).



WORKSTATION LAMPS



LED workstation lamp MAULcraft duo, dimmable

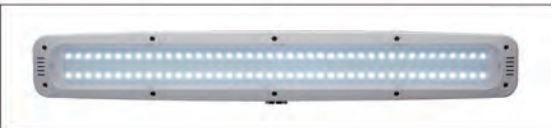
- Powerful professional LED workstation lamp with two lamp heads
- Heads adjustable at an angle of approx. 0° - 180° between each other
- Large area illumination of the workplace up to 100 cm at an angle of 180°
- High illumination, focused or wide illuminated area
- Variable dimmer with touch panel use located at the lamp head
- Particularly suitable for professionals: Ideal for work in laboratories, workshops, technical offices and studios
- Technical safety concept Made by MAUL

- Extremely economical: State-of-the-art LED technology
- Elegant: Glossy white surface
- Robust metal arm made of steel tube with internal spring
- Homogeneous light distribution and optimised glare-protection thanks to diffuser

Illuminance of the lamp:	6.560 lux illuminance at 35 cm distance
Colour temperature per light source:	6.500 kelvins (daylight white)
Number of light sources:	2
Energy efficiency class per light source:	E (spectrum A to G)
Weighted energy consumption per light source:	26 kwh/1.000 h (2 x 13 kwh/1.000 h)
Life L70B50 per light source:	10.000 h
Useful luminous flux per light source:	3.442 lumens (2 x 1.721 lumens)
Base:	Clamp
Material:	Head: plastic - arm: metal, steel tube - desk clamp: metal, plastic coated
Dimensions:	Height: 52 cm - head: per luminaire head 8 x 45 cm - arm: lower arm length 40 cm, upper arm length 44 cm - base: clamping width: 1 - 6,3 cm
Movement:	Head: inclinable, rotatable - arm: inclinable, rotatable
Position of the switch:	Lamp head

Item	Colours	Cable length (approx.)	Protection class	PU
820 54	02 white	1,70 m	II europlug	1 pc(s).

WORKSTATION LAMPS



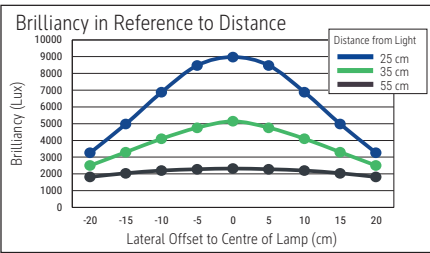
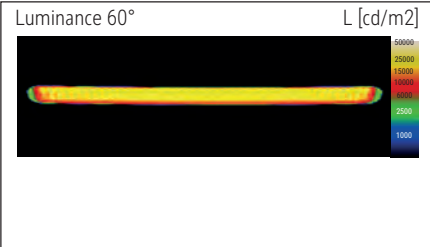
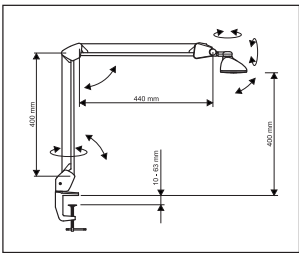
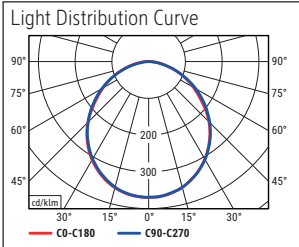
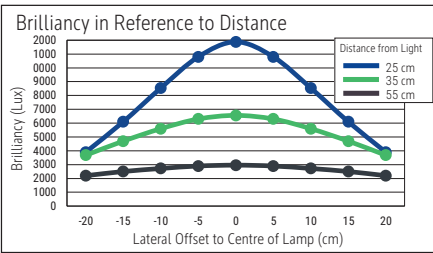
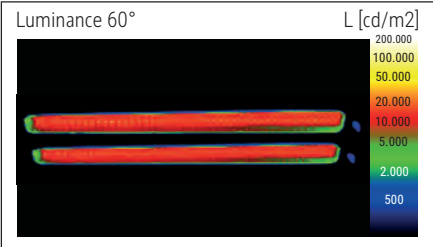
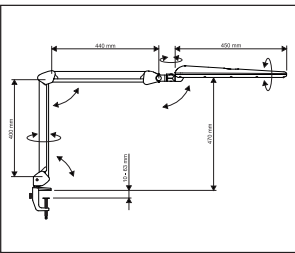
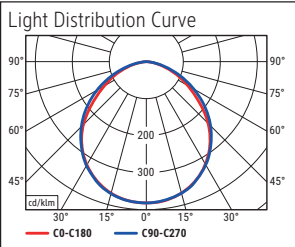
LED workstation lamp MAULexplore, dimmable

- High-performance LED lamp
- Special lamp for demanding professionals: Ideal for work in laboratories, workshops, technical offices and studios
- Powerful working environment lighting promotes concentration, especially suitable for precise work, quality assurance or assembly
- Convenient: Steplessly dimmable
- Glare-free working and homogeneous light distribution
- Extremely economical: State-of-the-art LED technology
- Technical safety concept Made by MAUL

- Robust metal arm
- Three-dimensional adjustable lamp head for optimum illumination of the workplace
- Convenient: Diffuser for reduction of shades
- Touch control panel on lamp head for convenient dimming, switching on and off

Illuminance of the lamp:	5.140 lux illuminance at 35 cm distance
Colour temperature per light source:	6.500 kelvins (daylight white)
Number of light sources:	1
Energy efficiency class per light source:	D (spectrum A to G)
Weighted energy consumption per light source:	19 kwh/1.000 h
Life L70B50 per light source:	10.000 h
Useful luminous flux per light source:	2.976 lumens
Base:	Clamp
Material:	Head: plastic - arm: metal - desk clamp: metal, plastic coated
Dimensions:	Height: 50 cm - head: 8,5 x 58 cm - arm: lower arm length 40 cm, upper arm length 44 cm - base: clamping width: 1 - 6,3 cm
Movement:	Head: inclinable, rotatable - arm: inclinable, rotatable
Position of the switch:	Lamp head

Item	Colours	Cable length (approx.)	Protection class	PU
820 56	02 white	2,00 m	II europlug	1 pc(s).



WORKSTATION LAMPS



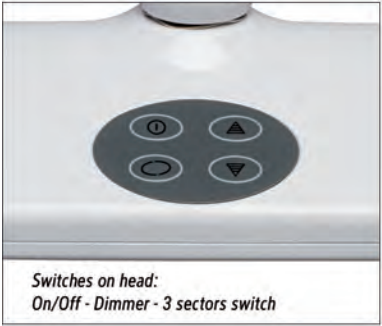
LED workstation lamp MAULwork, dimmable

- **Powerful LED lamp**
- **Comfortable:** Stepless dimmer, 3 separately switched sectors to adapt the light to the activity or to the required consumption
- **Perfect for professionals:** Ideal for laboratories, workshops, engineering offices and studios
- **High luminosity:** 84 power LEDs
- **Extremely economical:** Latest LED Technology
- **Technical safety concept** Made by MAUL

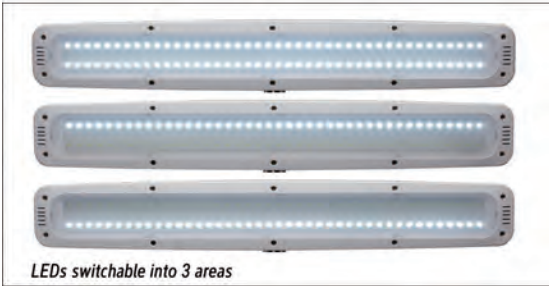
- Easy to use three sectors switch on the lamp head (front, back, all light sources)
- Three dimensional adjustment of the lamp head
- Convenient: Diffuser for reduction of shades
- Switchpad on lamp head for easy operation

Illuminance of the lamp:	3.120 lux illuminance at 35 cm distance
Colour temperature per light source:	6.500 kelvins (daylight white)
Number of light sources:	1
Energy efficiency class per light source:	F (spectrum A to G)
Weighted energy consumption per light source:	20 kwh/1.000 h
Life L ₇₀ B ₅₀ per light source:	20.000 h
Useful luminous flux per light source:	2.248 lumens
Base:	Clamp
Material:	Head: plastic - arm: metal - desk clamp: metal, plastic coated
Dimensions:	Height: 50 cm - head: 8,5 x 58 cm - arm: lower arm length 40 cm, upper arm length 44 cm - base: clamping width: 1 - 6,3 cm
Movement:	Head: inclinable, rotatable - arm: inclinable, rotatable
Position of the switch:	Lamp head

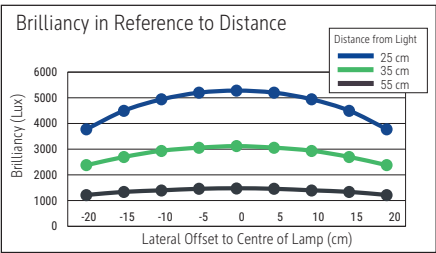
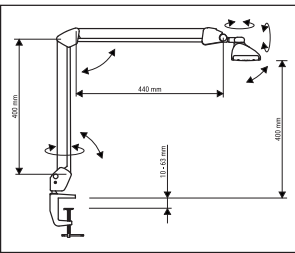
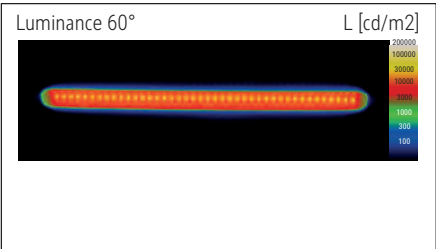
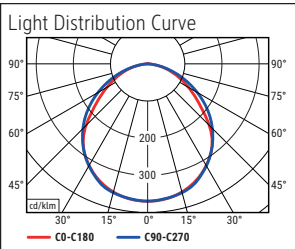
Item	Colours	Cable length (approx.)	Protection class	PU
820 52	02 white	1,40 m	II wall power adapter EU plug	1 pc(s).



Switches on head:
On/Off - Dimmer - 3 sectors switch



LEDs switchable into 3 areas



WORKSTATION LAMPS



LED workstation lamp MAULintro, dimmable



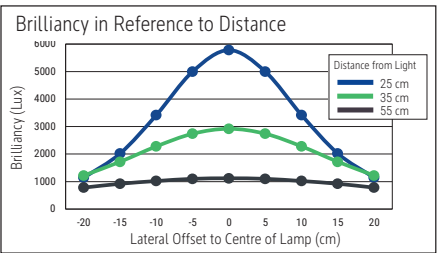
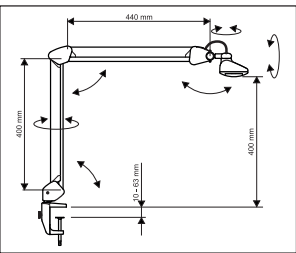
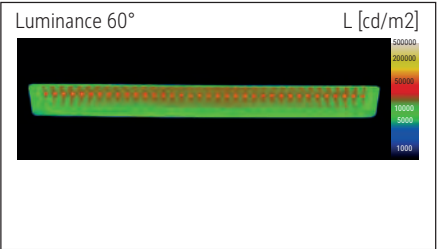
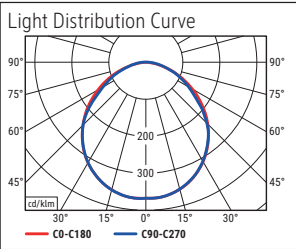
- **Powerful, compact workstation LED lamp**
- **Convenient:** Steplessly dimmable
- **Space saver** with good illumination radius
- **Powerful and price-attractive model** for semi-professional use
- **Ideal for precise work** e.g. in workshops, for hobbyists, in laboratories or in the field of cosmetics
- **Extremely economical:** State-of-the-art LED technology, high energy efficiency
- **Technical safety concept** Made by MAUL

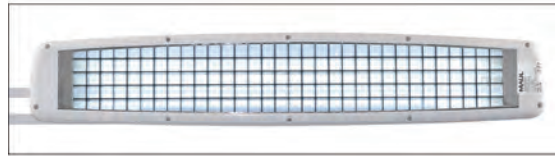
- Robust metal arm
- Three-dimensionally adjustable lamp head
- Convenient: Diffuser for reduction of shades
- Comfortable: Control button with touch function on the lamp head

Illuminance of the lamp:	2.920 lux illuminance at 35 cm distance
Colour temperature per light source:	6.500 kelvins (daylight white)
Number of light sources:	1
Energy efficiency class per light source:	E (spectrum A to G)
Weighted energy consumption per light source:	11 kwh/1.000 h
Life L ₇₀ B ₅₀ per light source:	20.000 h
Useful luminous flux per light source:	1.449 lumens
Material:	Head: plastic - arm: metal
Dimensions:	Head: 8,5 x 33,5 cm
Movement:	Head: inclinable, rotatable
Position of the switch:	Lamp head

- 820 58: Clamping foot made of plastic-coated metal (clamping width up to 6,3 cm). Lower arm length 40 cm, upper arm length 44 cm. Height: 51,5 cm. Arm: inclinable, rotatable
- 820 59: Sturdy plastic base with weight inlay 23 x 3 cm. Lower arm length 29,5 cm, upper arm length 29,5 cm. Height: 46 cm. Arm: inclinable, rotatable

Item	Colours	Base	Cable length (approx.)	Protection class	PU
820 58	02 white	Clamp	1,70 m	II wall power adapter EU plug	1 pc(s).
820 59	02 white	Base	1,70 m	II wall power adapter EU plug	1 pc(s).





Energy-saving workstation lamp MAULatelier

- **Our most powerful energy saving workstation lamp**
- **Perfect for professionals: Ideal for laboratories, workshops, engineering offices and studios**
- **High luminous intensity, very high energy efficiency**
- **Anti-glare light thanks to fins grid in the luminaire head**
- **Stable: Parallelogram arm made of steel tube with inner spring and sturdy clamp with steel inlay**
- **Technical safety concept Made by MAUL**

- Guaranteed: No consumption in switch-off mode
 - Three dimensional adjustment of the lamp head
 - With electronic control gear (ECG)
 - The ECG ensures flicker-free switching on, light with no flickering and lower power consumption.
- Another advantage is the longer life expectancy of the lamp
- Sturdy metal arm

Illuminance of the lamp: 2.800 lux illuminance at 35 cm distance

Colour temperature per light source: 6.500 kelvins (daylight white)

Number of light sources: 3

Energy efficiency class per light source: G (spectrum A to G)

Weighted energy consumption per light source: 42 kwh/1.000 h (3 x 14 kwh/1.000 h)

Life L_{70B50} per light source: 8.000 h

Useful luminous flux per light source: 3.600 lumens (3 x 1.200 lumens)

Base: Clamp

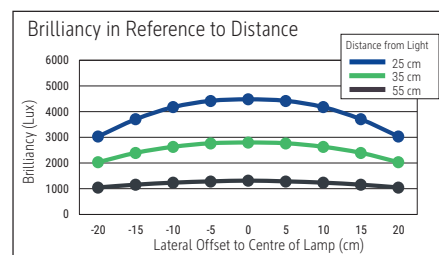
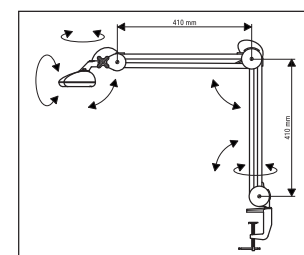
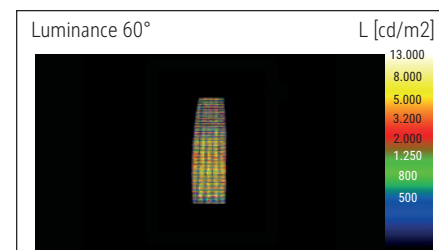
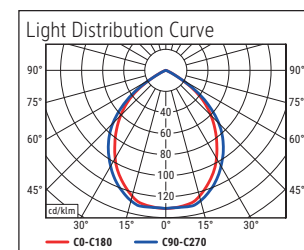
Material: Head: plastic - arm: metal, steel tube - desk clamp: metal, plastic coated

Dimensions: Height: 49,5 cm - head: 11 x 61 cm - arm: lower arm length 41 cm, upper arm length 41 cm - base: clamping width: 1 - 6,3 cm

Movement: Head: inclinable, rotatable - arm: inclinable, rotatable

Position of the switch: Lamp head

Item	Colours	Replacement bulb	Cable length (approx.)	Protection class	PU
826 70	02 white	828 14 05	1,50 m	II europlug	1 pc(s).



WORKSTATION LAMPS

Art. No.	Article description	Type	Data per light source:									Data per lamp:			Page
			Number	Energy efficiency class	Luminous efficacy (Lm/W)	Useful luminous flux (Lumen)	Colour rendering index (Ra)	Colour temperature (Kelvin)	Weighted energy consumption (kWh/1000h)	Life (L ₇₀ B ₅₀)	Socket	Illuminance (Lux at X cm)	Voltage (Volt)	Protection Class	
820 53	MAULcraft, dimmable	LED	1	E	123	1.721	81	6.500	13	10.000		2.960 / 35	220-240	II	71
820 54	MAULcraft duo, dimmable	LED	2	E	123	1.721	81	6.500	13	10.000		6.560 / 35	220-240	II	72
820 56	MAULexplore, dimmable	LED	1	D	151	2.976	82	6.500	19	10.000		5.140 / 35	220-240	II	73
820 52	MAULwork, dimmable	LED	1	F	104	2.248	81	6.500	20	20.000		3.120 / 35	220-240	II*	74
820 58	MAULintro, dimmable, clamp	LED	1	E	127	1.449	81	6.500	11	20.000		2.920 / 35	220-240	II*	75
820 59	MAULintro, dimmable, foot	LED	1	E	127	1.449	81	6.500	11	20.000		2.920 / 35	220-240	II*	75
826 70	MAULatelier	ESL	3	G	79	1.200	80	6.500	14	8.000	G5	2.800 / 35	220-240	II	76

Protection class explanation on page 85



WORKSTATION LAMPS

Light for
professionals





»LIGHTING



MAGNIFYING LAMPS

Magnifying LED lamp MAULcrystal, dimmable

- Stepless dimming
 - Large lens, 234 cm²
 - Powerful: High illuminance
 - 3 sector switch (left, right, all light sources) built in the lamp head for easy use
 - Extremely economical: Latest LED technology
 - Elegant: Strong metal arm with versatile adjustment
 - Technical safety concept Made by MAUL
- Ideal for precise work in laboratories, workshops, engineering offices, medical and doctor's offices. Or for private use for stamp collectors, precision mechanics, or as magnifying reading help
 - Double use: Magnifying glass and workstation lamp
 - Protected: A flap protects against dust and sunshine exposure
 - 3 dioptr lens (magnifying factor 1,75), 7" x 5,2" (17,8 x 13,2 cm), lens surface 234 cm²
 - Convenient: Diffuser for reduction of shades
 - Sturdy metal arm
 - Three dimensional adjustment of the lamp head
 - All switches are built in the lamp head for easy use

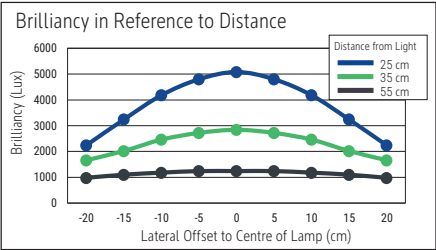
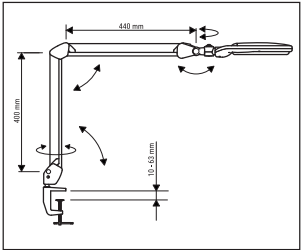
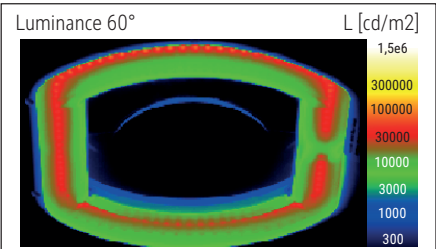
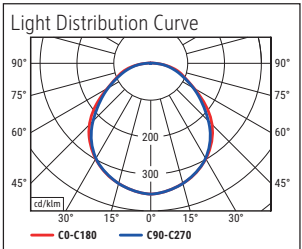


Switches on head:
On/Off - Dimmer - 3 sectors switch



Illuminance of the lamp:	2.840 lux illuminance at 35 cm distance
Colour temperature per light source:	6.500 kelvins (daylight white)
Number of light sources:	1
Energy efficiency class per light source:	F (spectrum A to G)
Weighted energy consumption per light source:	18 kwh/1.000 h
Life L70B50 per light source:	20.000 h
Useful luminous flux per light source:	1.868 lumens
Base:	Clamp
Material:	Head: plastic - arm: metal - desk clamp: metal, plastic coated
Dimensions:	Height: 51 cm - head: 25,5 x 26 cm - arm: lower arm length 40 cm, upper arm length 44 cm - base: clamping width: 1 - 6,3 cm
Movement:	Head: inclinable, rotatable - arm: inclinable, rotatable
Position of the switch:	Lamp head

Item	Colours	Cable length (approx.)	Protection class	PU
826 60	02 white	1,50 m	II wall power adapter EU plug	1 pc(s).



MAGNIFYING LAMPS



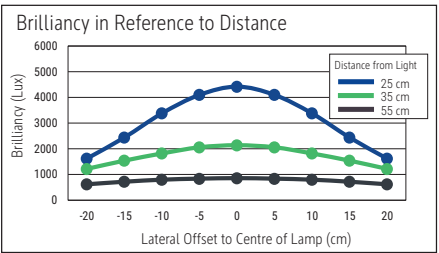
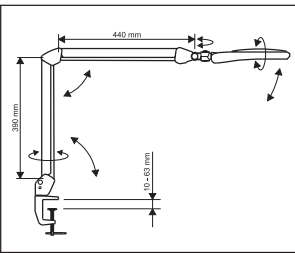
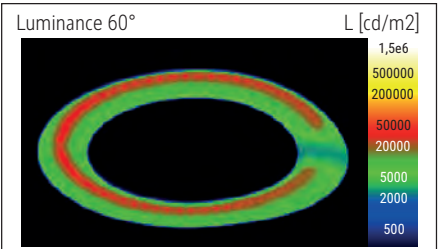
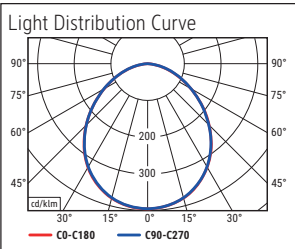
Magnifying LED lamp MAULsource, dimmable

- Stepless dimming
- Large lens, 126 cm²
- Extremely economical: Latest LED technology
- Shadow free: The circular placement of the LEDs allows for a uniform repartition of the light
- Sturdy: Strong metal parallelogram arm, elegantly covered
- Technical safety concept Made by MAUL

- Ideal for precise work in laboratories, workshops, engineering offices, medical and doctor's offices. Or for private use for stamp collectors, precision mechanics or as a magnifying reading help
- Double use: Magnifying glass and workstation lamp
- Protected: A flap protects against dust and sunshine
- 3 dioptr lens (magnifying factor 1,75), Ø 5" (12,7 cm), lens surface 126 cm²
- Convenient: Diffuser for reduction of shades
- Robust metal arm
- Three dimensional adjustment of lamp head

Illuminance of the lamp:	2.140 lux illuminance at 35 cm distance
Colour temperature per light source:	6.500 kelvins (daylight white)
Number of light sources:	1
Energy efficiency class per light source:	E (spectrum A to G)
Weighted energy consumption per light source:	8 kwh/1.000 h
Life L70B50 per light source:	20.000 h
Useful luminous flux per light source:	1.070 lumens
Base:	Clamp
Material:	Head: plastic - arm: metal - desk clamp: metal, plastic coated
Dimensions:	Height: 50,5 cm - head: 20 x 25,5 cm - arm: lower arm length 39 cm, upper arm length 44 cm - base: clamping width: 1 - 6,3 cm
Movement:	Head: inclinable, rotatable - arm: inclinable, rotatable
Position of the switch:	Lamp head

Item	Colours	Cable length (approx.)	Protection class	PU
826 58	02 white	1,80 m	II wall power adapter EU plug	1 pc(s).



MAGNIFYING LAMPS



Magnifying LED lamp MAULmakro

NEW

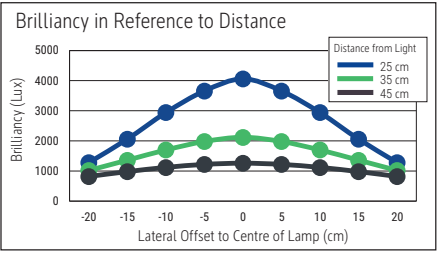
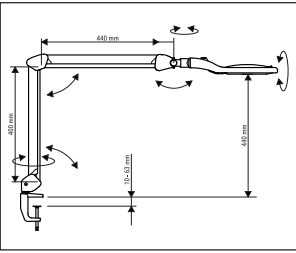
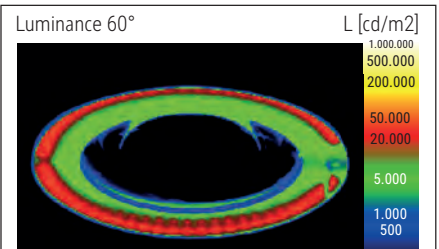
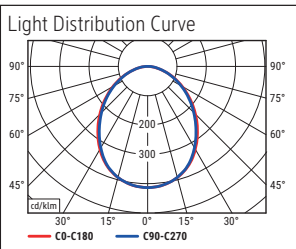
- The design model among the magnifying lamps
- Elegant: Strong metal parallelogram arm, versatile adjustments
- Extremely economical: Latest LED technology, long durability of the LEDs
- Guaranteed: No consumption in switch-off mode
- Shadow free: The circular placement of the LEDs allows for a uniform repartition of the light
- Ideal for precise work in laboratories, workshops, engineering offices and medical offices. For private use for stamp collectors, precision mechanics, or as magnifying reading help
- Technical safety concept Made by MAUL

- Double use: Magnifying glass and workstation lamp
- Easy to clean
- Protected: A flap protects from dust and from sunshine exposure
- 3 dioptr lens (magnifying factor 1,75), Ø 5" (12,7 cm), lens surface 144 cm²
- Convenient: Diffuser for reduction of shades
- Three dimensional adjustment of lamp head
- Sturdy plastic moulded metal arm

Illuminance of the lamp:	2.220 lux illuminance at 35 cm distance
Colour temperature per light source:	6.500 kelvins (daylight white)
Number of light sources:	1
Energy efficiency class per light source:	E (spectrum A to G)
Weighted energy consumption per light source:	8 kwh/1.000 h
Life L70B50 per light source:	50.000 h
Useful luminous flux per light source:	922 lumens
Material:	Head: plastic - arm: metal
Dimensions:	Head: 30 x 18,5 cm
Movement:	Head: inclinable, rotatable
Position of the switch:	Lamp head

- 826 33: Plastic moulded metal clamp (max. clamping width 6,3 cm). Lower arm length 40 cm, upper arm length 44 cm. Height: 50 cm. Arm: inclinable, rotatable
- 826 36: Robust plastic base with weight inlay, 23 x 3 cm. Upper and lower arm length 29,5 cm each. Height: 45,5 cm. Arm: inclinable, rotatable

Item	Colours	Base	Cable length (approx.)	Protection class	PU
826 33	02 white, 90 black	Clamp	1,70 m	II europlug	1 pc(s).
826 36	02 white, 90 black	Base	1,70 m	II europlug	1 pc(s).



MAGNIFYING LAMPS

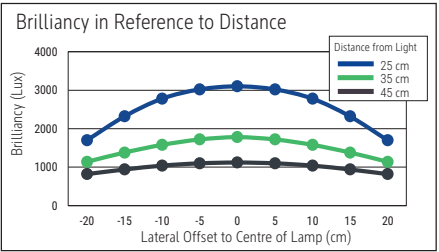
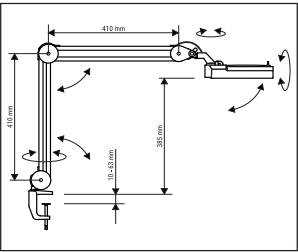
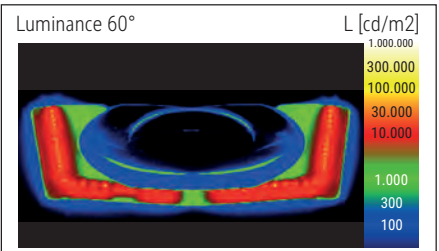
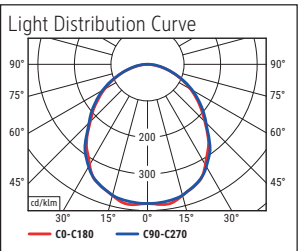


Magnifying LED lamp MAULvitrum

- **Very large lens, 307 cm²**
 - **Extremely economical: Latest LED technology**
 - **High energy efficiency, long durability of the LEDs**
 - **Guaranteed: No consumption in switch-off mode**
 - **Strong and stable, very versatile adjustment**
 - **Sturdy: Strong metal parallelogram arm**
 - **Technical safety concept Made by MAUL**
- Ideal for precise work in laboratories, workshops, engineering offices, medical and doctor's offices.
Or for private use for stamp collectors, precision mechanics, or as magnifying reading help
- Double use: Magnifying glass and workstation lamp
 - Protected: A flap protects from dust and from sunshine exposure
 - 3 dioptr lens (magnifying factor 1,75), 7,5" x 6,2" (19,5 x 15,75 cm), lens surface 307 cm²
 - Convenient: Diffuser for reduction of shades
 - Three dimensional adjustment of the lamp head

Illuminance of the lamp:	1.830 lux illuminance at 35 cm distance
Colour temperature per light source:	6.500 kelvins (daylight white)
Number of light sources:	1
Energy efficiency class per light source:	E (spectrum A to G)
Weighted energy consumption per light source:	7 kwh/1.000 h
Life L70B50 per light source:	20.000 h
Useful luminous flux per light source:	949 lumens
Base:	Clamp
Material:	Head: plastic - arm: metal - desk clamp: metal, plastic coated
Dimensions:	Height: 49 cm - head: 21,5 x 30 cm - arm: lower arm length 41 cm, upper arm length 41 cm - base: clamping width: 1 - 6,3 cm
Movement:	Head: inclinable, rotatable - arm: inclinable, rotatable
Position of the switch:	Lamp head

Item	Colours	Base	Cable length (approx.)	Protection class	PU
826 50	02 white, 90 black	Clamp	1,60 m	II europlug	1 pc(s).



MAGNIFYING LAMPS



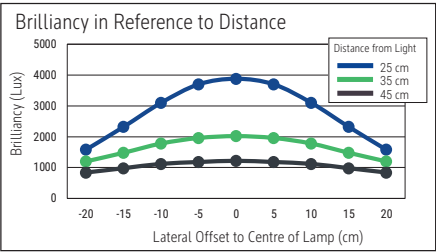
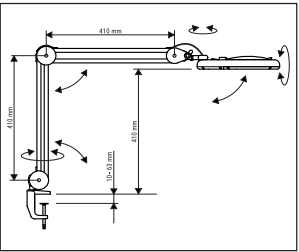
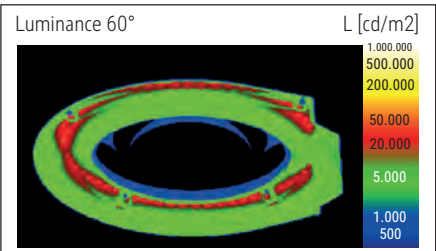
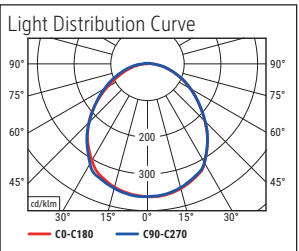
Magnifying LED lamp MAULviso

- **Strong and stable, very versatile adjustment**
 - **Now with state-of-the-art LED technology and an elegantly designed lamp head**
 - **Extremely low consumption, long durability of the LEDs**
 - **Guaranteed: No consumption in switch-off mode**
 - **Sturdy: Strong metal parallelogram arm**
 - **Shadow free: The circular placement of the LEDs allows for a uniform repartition of the light**
 - **Technical safety concept Made by MAUL**
- Ideal for precise work in laboratories, workshops, engineering offices, medical and doctor's offices.
Or for private use for stamp collectors, precision mechanics, or as magnifying reading help
- Double use: Magnifying glass and workstation lamp
 - Protected: A flap protects against dust and sunshine exposure
 - 3 dioptr glass lens (magnifying factor 1,75), Ø 5" (12,7 cm), lens surface 144 cm²
 - Convenient: Diffuser for reduction of shades
 - Three dimensional adjustment of the lamp head

Illuminance of the lamp:	2.120 lux illuminance at 35 cm distance
Colour temperature per light source:	6.500 kelvins (daylight white)
Number of light sources:	1
Energy efficiency class per light source:	E (spectrum A to G)
Weighted energy consumption per light source:	8 kwh/1.000 h
Life L70B50 per light source:	50.000 h
Useful luminous flux per light source:	935 lumens
Material:	Head: plastic - arm: metal
Dimensions:	Head: 26,5 x 20 cm
Movement:	Head: inclinable, rotatable
Position of the switch:	Lamp head

- 826 34: Plastic-moulded metal desk clamp (max. clamping width 6,3 cm). Upper and lower arm length 41 cm each. Height: 49,5 cm. Arm: inclinable, rotatable
- 826 35: Stable plastic base, 32 x 22 cm, with weight inlay. Upper and lower arm length 31 cm each. Height: 48,2 cm. Arm: inclinable, rotatable

Item	Colours	Base	Cable length (approx.)	Protection class	PU
826 34	02 white, 90 black	Clamp	1,70 m	II europlug	1 pc(s).
826 35	02 white, 90 black	Base	1,70 m	II europlug	1 pc(s).



MAGNIFYING LAMPS



Magnifying LED lamp MAULiris, dimmable

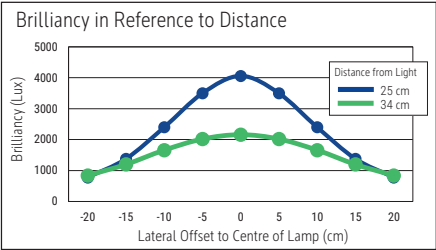
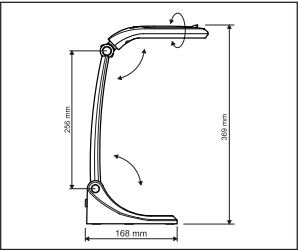
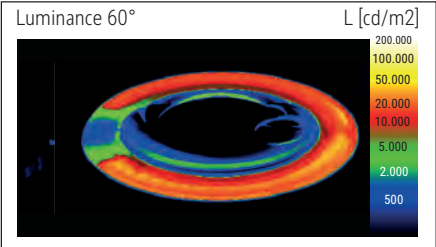
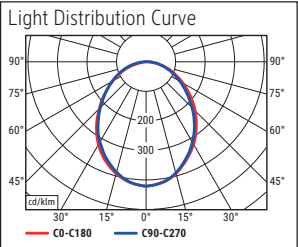
- For the price-conscious
- Variably dimmable
- Practical: Storage shelf in the foot for small items, e.g. maulys
- Extremely economical: State-of-the-art LED technology
- Uniform illumination by LEDs arranged in a ring shape
- Ideal for precision work in laboratories, workshops, technical offices, medical practices. Or in the private domain for stamp collectors, precision mechanics or as a reading magnifier
- Technical safety concept Made by MAUL

- Compact form: Space saving and handy
- Double use: Magnifying glass and workstation lamp
- Protected: A flap protects against sunshine exposure and dust
- 3 dioptr lens (magnifying factor 1,75), Ø 4" (10 cm) and additionally embedded 12 dioptr real glass lens (magnifying factor 4), Ø 1" (2.5 cm), lens area 78,5 cm²
- Convenient: Diffuser for reduction of shades
- Three dimensional adjustment of the lamp head
- Sturdy plastic base
- Touch control panel on lamp head for convenient dimming, switching on and off

Illuminance of the lamp:	2.160 lux illuminance at 34 cm distance
Colour temperature per light source:	6.500 kelvins (daylight white)
Number of light sources:	1
Energy efficiency class per light source:	G (spectrum A to G)
Weighted energy consumption per light source:	6 kwh/1.000 h
Life L70B50 per light source:	20.000 h
Useful luminous flux per light source:	502 lumens
Base:	Base
Material:	Arm: plastic - foot: plastic - base: weight inlay, desk protection pad
Dimensions:	Height: 36,9 cm - head: Ø 14,5 cm - arm: length 25,6 cm - base: 16,8 x 17,8 cm
Movement:	Head: inclinable, rotatable - arm: inclinable
Position of the switch:	Base



Item	Colours	Cable length (approx.)	Protection class	PU
826 12	02 white, 90 black	1,30 m	II europlug	1 pc(s).



MAGNIFYING LAMPS

Art. No.	Article description	Type	Data per light source:									Data per lamp:			Page
			Number	Energy efficiency class	Lumi-nous efficacy (Lm/W)	Useful lu-minous flux (Lumen)	Colour rendering index (Ra)	Colour temperature (Kelvin)	Weighted energy consumption (kWh/1000h)	Life (L70B50)	Socket	Illuminance (Lux at X cm)	Voltage (Volt)	Protec-tion Class	
826 60	MAULcrystal, dimmable	LED	1	F	101	1.868	82	6.500	18	20.000		2.840 35	220-240	II*	79
826 58	MAULsource, dimmable	LED	1	E	128	1.070	82	6.500	8	20.000		2.140 35	220-240	II*	80
826 33	MAULmakro, clamp	LED	1	E	110	922	81	6.500	8	50.000		2.220 35	220-240	II	81
826 36	MAULmakro, foot	LED	1	E	110	922	81	6.500	8	50.000		2.220 35	220-240	II	81
826 50	MAULvitrum	LED	1	E	125	949	82	6.500	7	20.000		1.830 35	220-240	II	82
826 34	MAULviso, clamp	LED	1	E	121	935	82	6.500	8	50.000		2.120 35	220-240	II	83
826 35	MAULviso, foot	LED	1	E	121	935	82	6.500	8	50.000		2.120 35	220-240	II	83
826 12	MAULiris, dimmable	LED	1	G	81	502	83	6.500	6	20.000		2.160 34	220-240	II	84

» PROTECTION CLASSES

Depending on the level and the type of protection of an electronic device, these are divided into protection classes.

Protection class I

Lamps of this class are equipped with a protective conductor. Thanks to the connection of the protective conductor to the housing of the device it is ensured that in case of any malfunction residual current will flow to the earth. This protection class can be recognized by the earthed shock-proof plug (I).



Shock-proof plug (I)

Protection class II

Lamps of this class are equipped with double insulation or reinforced insulation between live and accessible parts. This class can be recognized by the EURO-plug or the contoured plug. These plugs are double-wired and don't have any safety contact.



Contoured plug (II*)



Wall power adapter EU plug (II*)



Europlug (II)

»LIGHTING

MOBILE RECHARGEABLE LAMPS

Rechargeable LED lamp MAULseven colour vario

- **Pure design:** Wireless lamp for small spaces, changing workplaces or on the move
- **Off-grid function** by rechargeable battery, incl. micro B USB port and - cable, no disturbing cable
- **Take it wherever light is needed:** To the terrace, kitchen table, basement, camper or hotel
- **Can be clapped together to 26,3x5x6,2 cm** to save space, fits in bags and suitcases
- **Colour temperature can be adjusted in 3 steps**
- **Extremely economical:** State-of-the-art LED technology
- **Technical safety concept** Made by MAUL

- Lithium-ion battery, battery runtime: Approx. 2 hours, charging time: Approx. 4 hours
- Including USB cable, length approx. 94 cm, can be charged through all standard USB power supplies (1 ampere)
- Convenient: Diffuser for reduction of shades

Illuminance of the lamp: 1.560 lux illuminance at 26 cm distance
 Colour temperature per light source: 3.000 kelvins (warm white) to 5.700 kelvins (daylight white)

Number of light sources: 1
 Energy efficiency class per light source: G (spectrum A to G)
 Weighted energy consumption per light source: 3 kwh/1.000 h

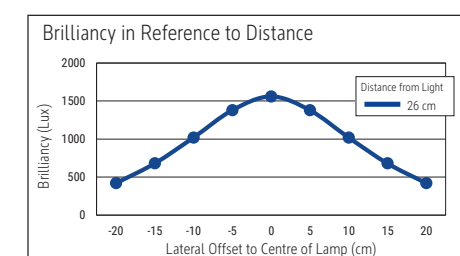
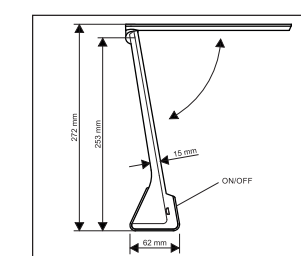
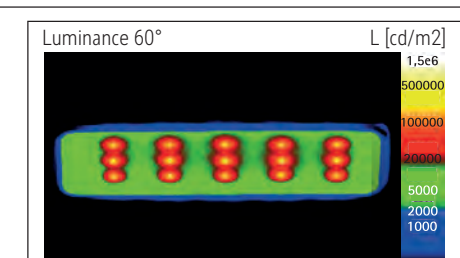
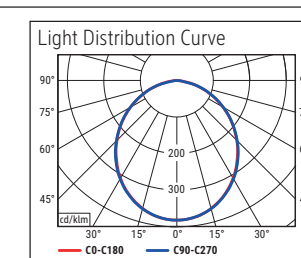
Life L70B50 per light source: 20.000 h
 Useful luminous flux per light source: 224 lumens
 Material: Head: plastic - arm: plastic - foot: plastic - base: desk protection pad
 Dimensions: Height: 27,2 cm - head: 21,7 x 5 cm - arm: length 25,3 cm - base: 6,2 x 5 cm
 Movement: Head: inclinable
 Position of the switch: Base

Item	Colours	Weight	Nominal capacity of rechargeable battery	PU
818 01	23 touch of rose, 32 atlantic blue, 52 lime, 71 sand, 84 grey, 90 black	400 g	1200 mAh	1 pc(s).

COLOUR MY WORK



LIGHT TO GO
 Mobile lamps from MAUL are versatile and can be used without wire



MOBILE RECHARGEABLE LAMPS



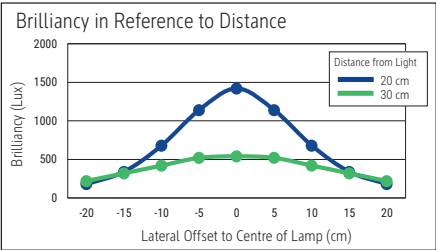
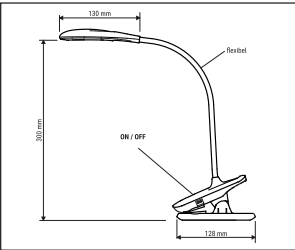
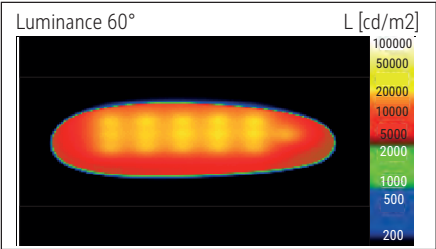
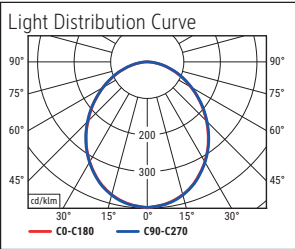
Rechargeable LED lamp MAULjack, dimmable

- **Wireless lamp for limited space, constantly changing workplaces or on the road**
- **Functional: Powerful desk clamp, can also be placed on the desk**
- **Off-grid function by rechargeable battery, no disturbing cable**
- **Take it wherever light is needed: To the terrace, kitchen table, basement, camper or hotel**
- **3-step-dimmer with touch function on the lamp base**
- **Extremely economical: Modern LED technology**
- **Technical safety concept Made by MAUL**

- Solid: Rubberized metal arm, goose neck shaped arm with flexible range can be rotated and tilted
- Homogeneous light distribution and optimized glare protection by diffuser
- Charging via micro USB port
- Including USB cable, length approx. 1,2 m
- Can be charged through all standard USB power supplies (1 ampere)
- Lithium-ion battery 2000 mAh, 7,4 Wh
- Battery runtime approx. 14 hours, charging time approx. 6,5 hours

Illuminance of the lamp:	540 lux illuminance at 30 cm distance
Colour temperature per light source:	3.000 kelvins (warm white)
Number of light sources:	1
Energy efficiency class per light source:	F (spectrum A to G)
Weighted energy consumption per light source:	2 kwh/1.000 h
Life L70B50 per light source:	20.000 h
Useful luminous flux per light source:	150 lumens
Base:	Clamp
Material:	Head: plastic - arm: metal, rubberized surface - desk clamp: plastic - base: desk protection pad, slip-proof rubber insert
Dimensions:	Height: 32 cm - head: 13 x 6,8 cm - arm: length 30 cm - base: 13,5 x 6,6 cm, clamping width: 0 - 5 cm
Movement:	Head: inclinable, rotatable - arm: rotatable, inclinable
Position of the switch:	Base

Item	Colours	Weight	Nominal capacity of rechargeable battery	PU
818 09	02 white	330 g	2000 mAh	1 pc(s).



FLASHLIGHTS AND ACCESSORIES



LED flashlight MAULkronos XL

- **For professional use, length 28,7 cm**
- **High luminous range and intensity, long burn time**
- **Suitable for outdoor use, splash-proof (IPX4)**
- **Including 3 x 1,5 V batteries (type D) 18000 mAh**
- **Variable: Adjustable light cone (zoom function) for large area near light or focused far light beam**
- **Three light modes: High brightness (100%), low brightness (30%), stroboscopic light (flashes of light) for danger prevention**
- **Ideal in the commercial sector, for craftsmen, in the workshop, when walking in the dark or for camping**

- Luminous flux 419 Lumen, daylight white light, high luminous range, up to 295 m
- Long lighting duration: Max. 100 h, min. 33 h, depending on light mode
- Extremely economical: High-performance CREE LED
- Head Ø 5,4 cm, with roll-away protection, lens made of high-quality, crystal- clear plastic
- Reflector opening Ø 3,8 cm
- Robust housing construction, matt black anodised aluminium, corrosion resistant
- Sophisticated: Housing with non-slip structure for a secure grip, Ø 3,9 cm
- Practical: Free-standing hand lamp, can be used e.g. as table light on an even surface
- One-handed operation of the light levels: Rubberised push button laterally on the front side
- Quick and easy adjustment of the light cone by moving the reflector to the front or back
- Please note: Safety instructions can be found at www.maul.uk with the product

Item	Colours	Weight	Length	PU
818 20	90 black	344 g (without battery)	28,7 cm	1 pc(s).



LED flashlight MAULkronos L

- **For professional use, length 26 cm**
- **High luminous range and intensity, long burn time**
- **Suitable for outdoor use, splash-proof (IPX4)**
- **Including 3 x 1,5 V batteries (type C) 8000 mAh**
- **Variable: Adjustable light cone (zoom function) for large area near light or focused far light beam**
- **Three light modes: High brightness (100%), low brightness (30%), stroboscopic light (flashes of light) for danger prevention**
- **Ideal in the commercial sector, for craftsmen, in the workshop, when walking in the dark or for camping**

- Luminous flux 500 Lumen, daylight white light, high luminous range, up to 280 m
- Long lighting duration: Max. 75 h, min. 32 h, depending on light mode
- Extremely economical: High-performance CREE LED
- Head Ø 4,5 cm, with roll-away protection, lens made of high-quality, crystal- clear plastic
- Reflector opening Ø 3 cm
- Robust housing construction, matt black anodised aluminium, corrosion resistant
- Sophisticated: Housing with non-slip structure for a secure grip, Ø 3,1 cm
- Practical: Free-standing hand lamp, can be used e.g. as table light on an even surface
- One-handed operation of the light levels: Rubberised push button laterally on the front side
- Quick and easy adjustment of the light cone by moving the reflector to the front or back
- Please note: Safety instructions can be found at www.maul.uk with the product

Item	Colours	Weight	Length	PU
818 21	90 black	247 g (without battery)	26 cm	1 pc(s).

FLASHLIGHTS AND ACCESSORIES



LED flashlight MAULkronos M

- For professional use, length 21 cm
 - High luminous range and intensity, long burn time
 - Suitable for outdoor use, splash-proof (IPX4)
 - Including 2 x 1,5 V batteries (type C) 8000 mAh
 - Variable: Adjustable light cone (zoom function) for large area near light or focused far light beam
 - Three light modes: High brightness (100%), low brightness (30%), stroboscopic light (flashes of light) for danger prevention
 - Ideal in the commercial sector, for craftsmen, in the workshop, when walking in the dark or for camping
- Luminous flux 106 lumens, daylight white light, high luminous range, up to 236 m
 - Long lighting duration: Max. 17 h, min. 4 h, depending on light mode
 - Extremely economical: High-performance CREE LED
 - Head Ø 4,5 cm, with roll-away protection, lens made of high-quality, crystal- clear plastic
 - Reflector opening Ø 3 cm
 - Robust housing construction, matt black anodised aluminium, corrosion resistant
 - Sophisticated: Housing with non-slip structure for a secure grip, Ø 3,1 cm
 - Practical: Free-standing hand lamp, can be used e.g. as table light on an even surface
 - One-handed operation of the light levels: rubberised push button laterally on the front side
 - Quick and easy adjustment of the light cone by moving the reflector to the front or back
 - Please note: Safety instructions can be found at www.maul.uk with the product

Item	Colours	Weight	Length	PU
818 22	90 black	220 g (without battery)	21 cm	1 pc(s).

LED flashlight MAULkronos S

- For semi-professional use, length 14 cm
 - High luminous range and intensity, long burn time, handy size
 - Suitable for outdoor use, splash-proof (IPX4)
 - Including 3 x 1,5 V batteries (type AAA) 1200 mAh
 - Variable: Adjustable light cone (zoom function) for large area near light or focused far light beam
 - Three light modes: High brightness (100%), low brightness (30%), stroboscopic light (flashes of light) for danger prevention
 - Ideal in the commercial sector, for craftsmen, in the workshop, when walking in the dark or for camping
- Luminous flux 192 Lumen, daylight white light, high luminous range, up to 196 m
 - Lighting duration: Max. 14 h, min. 3 h, depending on light mode
 - Extremely economical: State-of-the-art LED technology
 - Head Ø 3,8 cm, with roll-away protection, lens made of high-quality, crystal- clear plastic
 - Reflector opening Ø 2,7 cm
 - Robust housing construction, matt black anodised aluminium, corrosion resistant
 - Sophisticated: Housing with non-slip structure for a secure grip, Ø 2,8 cm
 - Practical: Free-standing hand lamp, can be used e.g. as table light on an even surface
 - One-handed operation of the light levels: Rubberised push button laterally on the front side
 - Quick and easy adjustment of the light cone by moving the reflector to the front or back
 - Please note: Safety instructions can be found at www.maul.uk with the product

Item	Colours	Weight	Length	PU
818 23	90 black	125 g (without battery)	14 cm	1 pc(s).

FLASHLIGHTS AND ACCESSORIES



LED flashlight MAULeos

- Powerful standard model of compact size
 - Practical: Including hand strap
 - Suitable for outdoor use, splash-proof (IPX4)
 - Safe: Red illuminated ring to be seen from all sides
 - Including 3 x 1,5 V batteries (type AAA) 1200 mAh
 - Variable: Adjustable light cone (zoom function) for large area near light or focused far light beam
 - Three light modes: Brightness high (100%), brightness low (25%), stroboscope light (flashes of light) for danger prevention
- Luminous flux 120 Lumen, daylight white light, luminous range up to 150 m
 - Light duration max. 12 h, min. 2,25 h, depending on the light mode
 - Extremely economical: High-performance CREE LED
 - Fits in trouser or jacket pocket or glove compartment
 - Ideal in the commercial sector, for craftsmen, in the workshop, when walking in the dark or for camping
 - Head Ø 3.3 cm, with roll-away protection, lens made of high-quality, crystal- clear plastic
 - Reflector opening: Ø 2,1 cm
 - Robust housing construction, black anodized aluminium, corrosion resistant
 - Sophisticated: Housing with non-slip structure for a secure grip, Ø 2,8 cm
 - Practical: Free-standing hand lamp, can be used e.g. as table light on an even surface
 - One-handed operation: Rubberised push button, protected on the underside
 - Quick and convenient adjustment of the light cone by moving the reflector forward or backward
 - Please note: Safety instructions can be found at www.maul.uk with the product

Item	Colours	Weight	Length	PU
818 68	90 black	79 g (without battery)	10,5 cm	1 pc(s).



LED flashlight MAULdion

- Slim, light model, length 17 cm
 - Loss-protected: Including practical hand strap
 - High luminous range and handy size
 - Suitable for outdoor use, splash-proof (IPX4)
 - Including 2 x 1,5 V batteries (type AA) 2300 mAh
 - Variable: Adjustable light cone (zoom function) for large area near light or focused far light beam
 - For semi-professional use, for hobby and private applications, for occasional use or the emergency
- Luminous flux 39 Lumen, daylight white light, luminous range up to 71 m
 - Light duration 6 h
 - Extremely economical: Modern LED technology
 - Ideal for occasional use e.g. by craftsmen, for repair work, when walking in the dark or for camping
 - Head Ø 2,3 cm, with roll-away protection, lens made of high-quality, crystal- clear plastic
 - Reflector opening: Ø 1,8 cm
 - Robust housing construction, black anodized aluminium, corrosion resistant
 - Sophisticated: housing with non-slip structure for a secure grip, Ø 1,9 cm
 - Practical: free-standing hand lamp, can be used e.g. as table light on an even surface
 - One-handed operation: Push button laterally on the front side
 - Quick and convenient adjustment of the light cone by moving the reflector forward or backward
 - Please note: Safety instructions can be found at www.maul.uk with the product

Item	Colours	Weight	Length	PU
818 66	90 black	50 g (without battery)	17 cm	1 pc(s).

FLASHLIGHTS AND ACCESSORIES



LED flashlight MAULLuna

- Handy flashlight, length 11,8 cm
 - Including metal clip for breast pocket or clipboard, removable
 - Compact: Fits in trouser or jacket pocket and the glove compartment
 - Suitable for outdoor use, splash-proof (IPX4)
 - Including 1 x 1,5 V battery (type AA) 2300 mAh
 - Variable: Adjustable light cone (zoom function) for large area near light or focused far light beam
 - In the hobby and private sector, for emergencies
- Luminous flux 20 Lumen, daylight white light, luminous range up to 10 m
 - Lighting duration 8 h
 - Extremely economical: State-of-the-art LED technology
 - Ideal for occasional use e.g. by craftsmen, for repair work, when walking in the dark or for camping
 - Head Ø 2,3 cm, with roll-away protection, lens made of high-quality, crystal- clear plastic
 - Reflector opening Ø 1,8 cm
 - Robust housing construction, black anodized aluminium, corrosion resistant
 - Sophisticated: Housing with non-slip structure for a secure grip, Ø 1,9 cm
 - Practical: Free-standing hand lamp, can be used e.g. as table light on an even surface
 - One-handed operation: Push button laterally on the front side
 - Quick and convenient adjustment of the light cone by moving the reflector forward or backward
 - Please note: Safety instructions can be found at www.maul.uk with the product

Item	Colours	Weight	Length	PU
818 64	90 black	43 g (without battery)	11,8 cm	1 pc(s).

LED flashlight MAULjuno



- Handy flashlight, length 9,4 cm
 - Ready for immediate use: Including pendant with practical quick release fastener to attach it to key ring, waistband or jacket
 - Compact: Fits in trouser or breast pocket and the glove compartment
 - Suitable for outdoor use, splash-proof (IPX4)
 - Practical: One-handed operation, rubberised push button protected on the underside
 - Including 1 x 1,5 V battery (type AA) 2300 mAh
 - In the hobby and private sector, for emergencies
- Luminous flux 15 Lumen, daylight white light, luminous range up to 10 m
 - Lighting duration 11 h
 - Extremely economical: State-of-the-art LED technology
 - Head Ø 2 cm, with roll-away protection, protective screen made of high- quality, crystal-clear plastic
 - Reflector opening Ø 1,5 cm
 - Robust housing construction with anti-slip structure, aluminium matt black anodized, corrosion resistant
 - Sophisticated: Housing with anti-slip structure for a secure grip, Ø 2 cm
 - Please note: Safety instructions can be found at www.maul.uk with the product

Item	Colours	Weight	Length	PU
818 62	90 black	32 g (without battery)	9,4 cm	1 pc(s).

FLASHLIGHTS AND ACCESSORIES



LED flashlight MAULhelios

- Rechargeable battery hand lamp for professional use, length 23 cm
 - 5 light modes: 3 brightness levels (100%, 30%, 10%), flash, SOS
 - High luminous range and intensity, long burn time
 - Suitable for outdoor use, splash-proof (IPX4)
 - Rechargeable: Including 2 x 3,7 V Li-Ion batteries (type 18650) 2300 mAh, (MAUL battery charger: Art. no. 818 81 90)
 - Ideal for security forces: Meets the highest demands and provides support in case of danger
 - Very suitable also for hikers, hunters, sportsmen, camping
- Luminous flux 700 Lumen, daylight white light, high luminous range: up to 300 m
 - Long lighting duration: 20 h (low light level), 5 h (medium), 2.5 h (high)
 - Extremely economical: High-performance CREE LED
 - SOS mode - get help in case of danger: flashlight sends light pulses in Morse code adding up to S-O-S
 - Flash light - averting danger and self-protection through stroboscopic light: Quick changes of the brightness distracts or disturbs the attention of other people.
 - Head Ø 6,3 cm, protective glass pane
 - Reflector opening: Ø 5,4 cm
 - Robust housing construction, matt black anodised aluminium, corrosion resistant
 - Sophisticated: Housing with non-slip structure for a secure grip, Ø 2,6 cm
 - One-handed operation of the modes: Rubberised push button laterally on the front side, switch for ON/OFF at the bottom
 - Please note: Safety instructions can be found at www.maul.uk with the product

Item	Colours	Weight	Length	PU
818 77	90 black	249 g (without battery)	23 cm	1 pc(s).



FLASHLIGHTS AND ACCESSORIES



Battery charger XTAR MC2

- Suitable e.g. for rechargeable batteries (art. no. 8188590) of the LED flashlight MAULhelios
- Practical: 2 charging bays which work separately
- Three-stages charge (TC-CC-CV)
- Control of the charging status via LED display
- Voltage-dependent regulation of the charging process
- Trickle charging in idle mode
- Includes USB cable for Micro-USB charging connection

- Compatible lithium-ion battery types (3.6V / 3.7V): 16340 / 18350 / 10440 /14500 / 14650 / 16650 / 17500 / 17670 / 18500 / 18650 / 18700 / 20700 / 21700 /22650 / 26500/ 26650, with 26500 and 26650 it is only possible to charge one battery at a time
- Reverse polarity protection, short-circuit protection circuit & overcharge protection
- Power supply and batteries not included
- Power supply requirements 5V USB (e.g. mobile phone chargers, PC-USB etc.)
- 0V battery activation
- IC temperature monitoring system
- Supply voltage / current 5V / 1000mA max.
- Nominal power consumption 5W max.
- Weighted energy consumption 5 kWh/1000h max.
- Output voltage/current 4,2V=; 0,5A max.
- Constant charging current 250/500 ± 50mA, depending on supply
- Constant charging voltage 4,2 ± 0,05V
- Operating temperature 0°C - 40°C
- Storage temperature -30°C - 60°C
- Dimensions 9,2 x 4.0 x 3,3 cm (LxWxH)
- Safety advice: Keep away from children! Incorrect use or a short circuit can cause a fire/explosion. Device is designed for the domestic use, keep water and moisture away. Disassembly and modification are strictly prohibited

Item	Colours	PU
818 81	90 black	1 pc(s).



Rechargeable battery Samsung ICR18650-26H

- Suitable for LED flashlight MAULhelios item no. 8187790
- Suitable for battery charger XTAR MC2 item no. 8188190
- Two high-quality rechargeable batteries
- Long service life
- IC protection / PCB with short circuit, overcharge and deep discharge protection

- Nominal capacity 2600mAh (= 1C)
- Minimum capacity 2500mAh
- Charging voltage 4,2 ± 0,05V
- Nominal voltage 3,7V
- Nominal energy 9,62Wh
- Final discharge voltage 2,75V
- Operating temperature charging: 0°C to 45°C, discharging: -20°C to 60°C
- Storage temperature 1 year: -20°C to 25°C, 3 months: -20°C to 45°C, 1 month: - 20°C to 60°C
- Length 69 mm, Ø 19 mm
- Safety advice: Keep away from children! Incorrect use or a short circuit can cause a fire/explosion

Item	Colours	PU
818 85	90 black	1 set(s)

FLASHLIGHTS AND ACCESSORIES

Art.-No.	Article description	Type	Power supply	Power (Watt)	Max. runtime (h)	Luminous range (m)	Luminous power (Lumen)	Zoom	Brightness in %	Strobo-scopic light	SOS mode	Length (cm)	Water resis-tance	Page
818 20	MAULkronos XL	CREE-LED	3 x D (1,5 V)	10	100	295	419	x	100/30	x		28,7	IPX4	89
818 21	MAULkronos L	CREE-LED	3 x C (1,5 V)	8	75	280	500	x	100/30	x		26,0	IPX4	89
818 22	MAULkronos M	CREE-LED	2 x C (1,5 V)	5	17	236	106	x	100/30	x		21,0	IPX4	90
818 23	MAULkronos S	LED	3 x AAA (1,5 V)	3	14	196	192	x	100/30	x		14,0	IPX4	90
818 68	MAULeos	CREE-LED	3 x AAA (1,5 V)	3	12	150	120	x	100/25	x		10,5	IPX4	91
818 66	MAULdion	LED	2 x AA (1,5 V)	1	6	71	39	x	100			17,0	IPX4	91
818 64	MAULluna	LED	1 x AA (1,5V)	0,5	8	68	20	x	100			11,8	IPX4	92
818 62	MAULjuno	LED	1 x AA (1,5V)	0,5	11	31	15		100			9,4	IPX4	92
818 77	MAULhelios	CREE-LED	2 x Li-Ion Akku (3,7 V)	10	20	300	700		100/30/10	x	x	23,0	IPX4	93

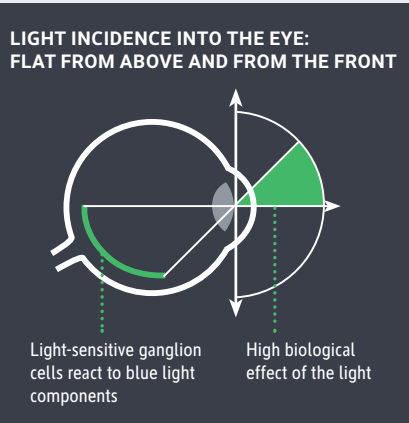
OVERVIEW BULBS

Art. No.	Colours	Type	Socket	Energy efficiency class	Lumi-nous efficacy (Lm/W)	Useful lu-minous flux (Lumen)	Colour rendering index (Ra)	Colour temperature (Kelvin)	Weighted energy consumption (kWh/1000h)	Life (L ₇₀ B ₅₀)	Voltage (Volt)	For lamps (Art. No.)
828 12	05 transparent	ESL	G23	G	62	791	86	6.500	12	8.000	220-240	821 35, Desk lamp MAULatlantic 821 36, Desk lamp MAULatlantic
828 14	05 transparent	ESL	G5	G	79	1.200	80	6.500	14	8.000	220-240	826 70, Workstation lamp MAULatelier
828 55	05 transparent	ESL	2G11	G	62	3.730	80	4.000	55	8.000	220-240	825 70, Floor lamp MAULcentauri 825 14, Floor lamp MAULnaos 825 18, Floor lamp MAULmaioris
829 03	05 transparent	LED	E27	G	83	250	81	3.000	3	20.000	220-240	823 10, Desk lamp MAULstarlet
829 12	05 transparent	LED	E27	F	87	950	80	3.000	10	15.000	220-240	821 50, Desk lamp MAULoffice 823 41, Desk lamp MAULrock 820 11, Desk lamp MAULstudy 823 07, Desk lamp MAULstudy 823 05, Desk lamp MAULstudy 823 04, Desk lamp MAULstudy 823 44, Desk lamp MAULfinja 823 46, Floor lamp MAULfinja
829 92	05 transparent	HAL	R7s	G	19	2.250	100	2.950	120	2.000	220-240	825 40, Floor lamp MAULsky

» MAUL glossary of lighting terms

Biological effect of light

also called melanopic lighting effects or Human Centric Lighting (HCL), is designed to foster human health and well-being and can thus contribute to better mood and performance. It is modelled after natural daylight. During the day, high intensities of daylight white light (colour temperature from 5300 K) can stimulate concentration and performance. Prerequisite: The light must meet the eye from above and from the front (green area in the graphic). In contrast, light with a low proportion of blue (warm white light 2700 - 3300 Kelvin) has a calming and relaxing effect, feelings of wellbeing are increased. A low intensity in the evening makes it easier to fall asleep.



MAUL Colour Vario lamps can be dynamically adjusted in colour temperature and intensity to individual requirements, depending on the time of day (recommended illuminance at office workplaces at least 500 to 1500 lx).

Colour rendering index (CRI) in Ra

is a measurement describing the quality of the colour reflection from a specific light source. A value of 100 corresponds to the best colour reflection, respectively natural colour reproduction. For the interior lighting, a value greater than 80 must be fulfilled.

Colour temperature (CCT) in Kelvin (K)

indicates the hue of a specific type of light source. The values range from 2700 – 3300 K (warm white), 3300 – 5300 K (neutral white) to 5300 – 7500 K (daylight white).

DIN EN12464-1 (DIN 5035-1)

is a European norm which defines the lighting needed for indoor workplaces to ensure the optimal visual comfort and performance. The DIN EN 12464-1 replaces the DIN 5035-1.

DIN 5035-8

is a German industrial norm which defines the regulations for working places which exceed the regulations covered by DIN EN 12464-1. It determines the necessary documentation to be provided by the producer to ensure a competent lighting planning of the workplace.

Directive ASR A3.4 (BGR 131)

This is a directive concerning workplaces. It determines the specifications on setting up and using lighting devices at the workplace. The rule defines the minimum lighting level and the glare protection levels to ensure no damage to the health and safety of the employees. This rule is closely associated to the rules of the Employers Mutual Insurance Association (BGR 131).

In addition MAUL offers helpful diagrams which should act as an aid in planning the working environment.

Energy efficiency class



On the energy efficiency label the efficiency (light yield) is depicted with the letters from A for high efficiency to G for weaker efficiency.

Energy efficiency (η)

(lamp or luminaire efficiency/light yield) in lumens per watt (lm/W)

is a measurement for the efficiency of a an illuminant. It represents the relationship between the produced light current to the power consumption. The higher the energy efficiency, the more light one achieves for the invested power.

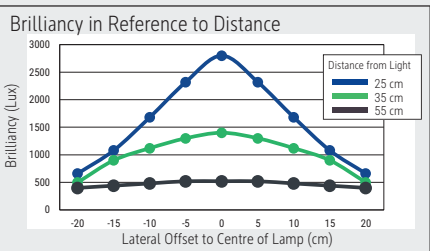
Glare

Basically there two forms of glare:

- Disability glare means the direct irradiation of light to the eye to a disturbing degree. Visual performance is directly affected. Due to the use of high-power LEDs in lighting technology, each manufacturer or importer must ensure that glare or even damage to the eye cannot occur under normal conditions.
- Discomfort glare is a perceived disturbance in full visual performance, e.g. due to a bright light or window, which impairs e.g. the ability to concentrate and the work performance.

Glare can impair safety, e.g. in staircase areas.

Illuminance diagram



When looking at the picture you can see how much light falls on the desk depending on the distance between the luminaire and the desk. The vertical axis shows the illuminance (Lux) from the distances 25 cm (blue), 35 cm (green) and 55 cm (black) between luminaire head and desk. The highest illuminance is achieved at a distance of 0 cm on the horizontal axis (directly below the luminaire head) and reduces in accordance with the lateral offset.



Warm white light
2700 – 3300 Kelvin

Neutral white light
3300 – 5300 Kelvin

Daylight white light
5300 – 7500 Kelvin

Illumination (E) in Lux (lx)

is a measure for the light quantity which falls on the lighted surface (1 lx = 1 lm/m²). The illumination level differs depending on the distance of the light source to the surface.

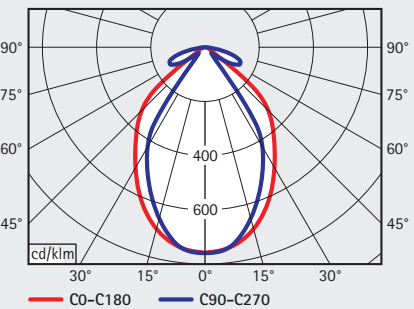
Illuminant/lamp life (L₇₀B₅₀)

is the length of time in which 50% of the lamp bulbs of the same construction still function, or with LED lamps the length of time that at least 70% of the original lighting current is radiated.

Lamp socket

There are many different sockets. In MAUL luminaires you can find the well-known Edison socket E27 for energy-saving and LED lamps. The sockets G23, G5 and 2G11 for fluorescent lamps without an electronic control gear and R7s for halogen light bulbs.

Light distribution curve



The light distribution curve or luminous intensity distribution curve shows how the light emitted from the luminaire head is distributed in the room.

The lighting planner can deduce from it the light strength achieved at the different angles in two exemplary spatial levels; in other words at what intensity the light beams shine in the different directions. The red curve (C0,0 – C180,0) shows the lateral light distribution curve, the blue curve (C90,0 – C270,0) shows the longitudinal curve to the light source. 0° is the downward vertical of the light direction.

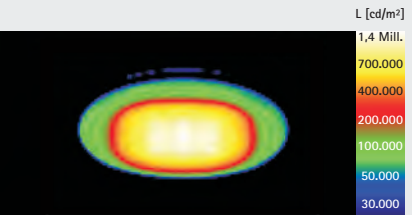
Light intensity (I) in Candela (cd)

is a measurement for the strength of a light beam. It shows the fraction of visible light that is emitted in a specific direction (solid angle).

Luminance (L) in Candela per square metre (cd/m²)

is a measure of the impression of brightness created when looking at the luminaire or an object. Typical values: Sun 1.600.000.000 cd/m², high power-LED 50.000.000 cd/m², fluorescent lamp 20.000 cd/m².

Luminance distribution



In this diagram the brightness impression is shown as seen from a specific angle, e.g. 60° (at the side below) from the light bulb. The 60° angle here is derived from the downward perpendicular of the light beam (0°). In normal use of the luminaire one chooses an angle above 90° to avoid a direct glare from the light bulb.

Luminous flux (Φ) in Lumen (lm)

is the sum of all light which is emitted in all directions from a light source.

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» OUR SYMBOLS

In order to understand the special advantages of our products at a glance you can find the symbols by the item. An additional explanation can be found here:



Developed and produced in Germany



All MAUL products have at least a 2 year guarantee, some chosen products 3 years



Approved security by TÜV Thüringen or Rheinland



Approved security by Intertek



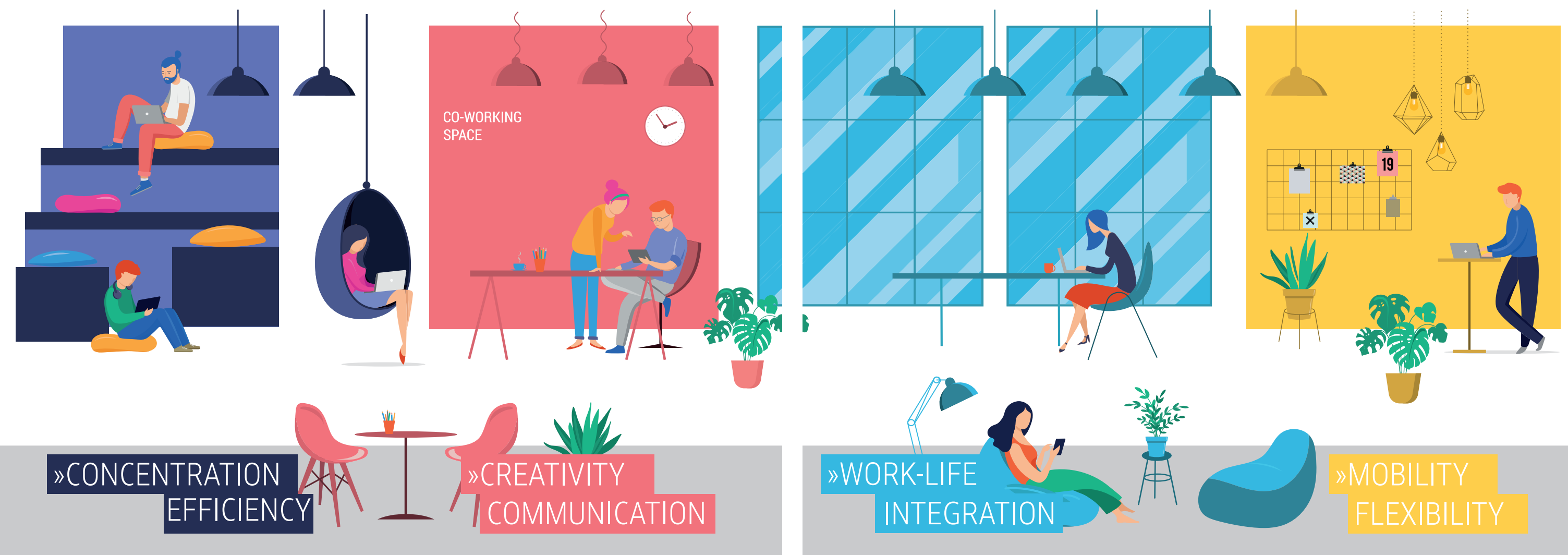
These lamps are dimmable



Colour temperature adjustable



These lamp is Qi-certified



»TOMORROW'S WORLD OF WORK

»CONCENTRATION / EFFICIENCY

The workspace is becoming a retreat for tasks that require lengthy periods of concentration. This is a peaceful environment where your stress level falls and you can work in a shielded setting without any distractions. In the case of flexible workplaces, dividing walls provide privacy. Quiet spaces and "think" spaces are used for relaxation, while also facilitating concentrated work on an individual basis. Phone calls are made from sound-insulated audio rooms where 100% silence is guaranteed. Flexible working hours and locations free up office space. Fewer mistakes are made; efficiency and productivity increase.

CREATIVITY / COMMUNICATION

The office of tomorrow is more than just a workplace; it's a place for meeting and interacting. People meet up face-to-face to discuss ideas or findings. This communication culture facilitates creativity and rapid knowledge transfer. There need to be spaces large enough to cater for teamwork. In "smart" meeting areas, information flows faster; in work & play zones, new solutions can be developed in a fun way. Mobile presentation tools that can be adapted to the size of the team provide assistance with creative techniques. Everything is in flux.

WORK-LIFE INTEGRATION

The boundaries between work and home are disappearing; professional and private lives are merging due to digitisation. There is a desire for feel-good surroundings that generate satisfaction and maintain health. Ergonomics are not only important in the office, but in all areas of life. Movement is being encouraged; sport and play areas are being created along with recreation zones and relaxation oases. There, in contrast to the work areas, the emphasis is on de-digitisation. Biophilic design is an ongoing trend: connectivity with nature via plants and other natural elements facilitates well-being and improves air quality.

MOBILITY / FLEXIBILITY

Working when and where you want. Data and information come from the cloud and can be accessed anywhere via mobile devices. This means you're free to choose where you want to work, depending on your personal situation and the tasks on hand. It may mean working in co-working spaces or from home, and desk-sharing at the office the next day. Alternatively, you may find yourself doing concentrated tasks in "privacy areas" and attending a meeting in the "creative center" an hour later. When it's time for a break, you can enjoy some relaxing music in the "quiet room" before preparing for the next meeting on a train or plane.

»CONCENTRATION EFFICIENCY

A shielded setting is the key to concentrated work. Mobile moderation boards provide the necessary privacy. At the same time, the various different surfaces can be used for visualising information. Another factor to consider is ergonomics, as body posture is mostly static in the case of focused activities; you don't move about a great deal. Therefore furniture that can be adapted to the user, such as height-adjustable desks, are important. Footrests are helpful if the desk height is unsuitable. There is also a need for lamps that can be adapted easily to movements of the desk and provide direct illumination of the workstation. The best option is variable lighting intensity and colour temperature to cater for every task.



»WORK-LIFE INTEGRATION

This is where we appeal to the senses, as the working environment should be attractive, sustainable and comfortable. Products manufactured in Germany using low-emission methods satisfy the need to save resources. Memo boards and clipboards made from natural materials such as cork or wood also meet the need for sustainability. An attractive wall clock or coloured accessories, for example the new colours from #colourmywork, provide personal touches. Heated ergonomic footrests and standing-height tables improve physical comfort and help you stay healthy. The same applies to lamps with alternating light colours. They provide sufficient illumination for focused work and warm white light for meetings or relaxing breaks.



»CREATIVITY COMMUNICATION

The business world is calling for products that are hard-wearing and thus meet the demands of ever-changing teams. Sturdy frames, durable materials and robust mount fittings withstand intensive use and even the most boisterous of creative thinkers. For large rooms, boards measuring up to 3 metres in width are ideal. Double-sided mobile boards with rotating panels and flipcharts are easy to roll around. Suitable for writing, drawing and clamping and usable with magnets, post-it stickers and flipchart pads – good boards are genuine all-rounders when it comes to creativity. If you're short of desk space, a standing-height table is helpful; another option for individual workers is a clipboard: the smallest flexible work surface available.



»MOBILITY FLEXIBILITY

A highly dynamic work situation calls for tools that are adjustable, both to the task on hand and, above all, to the people – products that you can easily take with you or move around. Rolling panels and boards allow you to create flexible working areas and meeting zones, while also serving as an information medium. Movable, height-adjustable standing tables provide additional desk space as well as a surface on which to place miscellaneous items at meetings; moreover, they also ensure an ergonomic posture. Other helpful accessories include lamps that complement room lighting, provide direct illumination of the work surface and adapt to every movement of the table, or cable-free lamps that fit in your pocket. Equally useful are clipboards that can serve as a substitute for a table.



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