

The right light

LUXO

Product
guide
included

LED task lights from Luxo

Welcome to the future!



Ovelo

A history of individual lighting solutions

For more than 70 years Luxo has designed innovative ergonomic lighting products and concepts, aiming to improve lighting conditions considering individual needs.

Our history of lighting for the individual begins with the development of the L-1 task light in 1937. The freedom of movement and the ability to place the light exactly where it was needed forever changed the way task lights work. Ergonomic work place lighting quickly became our global trade mark. This is what we call the right light.

The world's most energy efficient ergonomic task lights

During the last few years we have designed, developed and manufactured a new generation of task lights, using light emitting diodes (LED) instead of traditional light sources. With our new family of LED task lights we are demonstrating to the world how this fantastic technology can be used to create lighting products with excellent light output and bright, warm light.

Ergonomic. Energy efficient. Economic.

Our LED task lights are designed to provide the best possible ergonomics for the work place, while saving energy. They use only a fraction of the energy required by traditional lamps.

They all have asymmetric light output so that they can be placed at the side of the desk, while still throwing the light where the user needs it. They are glare free and will not create annoying reflections in computer screens or work surfaces.

And best of all: They have an incredibly long life span with a lamp life at least 45,000 hours.

Light emitting diodes have an incredibly long life span. The diodes in our task lights have a life expectancy of 45,000 hours. That means 25 years or more with normal office use. You may never have to change the light source!





Terea

Light source of the future

A light emitting diode (LED) is an electronic light source. When electricity is switched on, energy is released from the diode in the form of light.

The tiny light emitting diodes present many advantages over traditional light sources, including lower energy consumption, longer lifetime, improved robustness, smaller size and faster switching. However, they require more precise current and heat management than traditional light sources.

Luxo's engineers are among the world's leading experts on LED technology. We use this knowledge to select only the best quality LEDs for our purposes, and to design and manufacture new and innovative task lights with extremely low energy consumption. Equally important is our experience and know-how about the design of optics and thermal control, so that the task lights will perform to standard over a long period of time.

Caring for the environment

The ergonomic and energy saving features of our LED task lights contribute to a better environment – and to a better office environment. We also strive to ensure that production at our factories is carried out according to the strictest environmental regulations:

Luxo satisfies the RoHS Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment) which aims to restrict the use of hazardous substances in electrical and electronic equipment. We do so through our careful choice of electronic components and suppliers. Our products satisfy the WEEE Directive (Waste Electrical and Electronic Equipment) which requires products to be developed and designed to facilitate materials and energy recovery. Environmental considerations are an integrated part of our business, and we hold the ISO 14001 environmental approval.

Light source comparison				
Light source (total power consumption)	8 W LED module	13 W compact fluorescent tube	40 W halogen lamp	60 W incandescent bulb
Lifetime	45,000 hours	8,000 hours	2,000 hours	1,000 hours
Number of lamp changes needed during the life time of the LED module	-	5-6 changes	22 changes	44 changes

Light emitting diodes use very little energy, and have a life expectancy of at least 45,000 hours. The table shows the life expectancy of traditional light sources in comparison with an 8 W LED module, including the number of lamp changes required. The comparison is striking. In fact, recent computations show that it is possible to reduce the energy consumption with as much as 87% by switching from traditional incandescent light bulbs to the new light emitting diodes.



Air LED

In the pursuit of excellence

At Luxo, we make a distinction between good products and excellent products. A good product that has been well designed gives the user the correct functionality. In our line of business this means getting the light exactly where we want it, wasting no energy.

But we strive for more. We offer products with thoughtful ergonomics built into them, such as intuitive and easy user interfaces and a glare free light. We also put great emphasis on durability. And in order to really label a product *excellent* we feel that the aesthetics should be desirable and honest. That is why we work with some of the finest designers in the world.

So what does it take to put the *excellent* label on an LED task light?

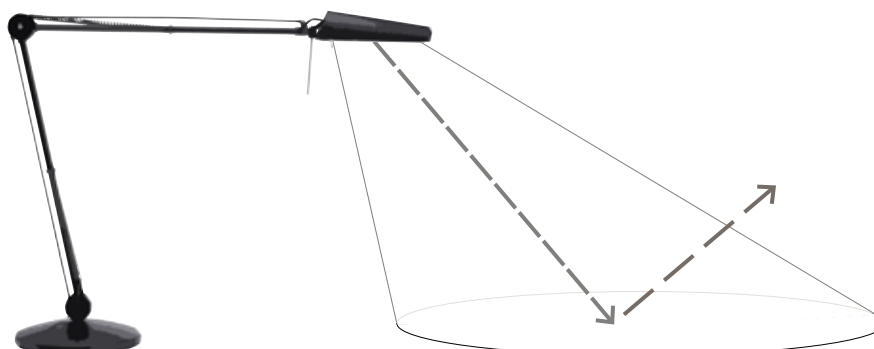
Most importantly a task light must provide a broad field of light, and you should be able to direct it where you want it – whether you are writing, reading or performing some other task. Our LED task lights are asymmetric; they throw the light sideways, so that they can be placed to the side of your desk and not get in your way.

A good *colour temperature* is also important. For our LED task lights we have chosen diodes that provide a warm, bright light – perfect for the work place. We are also concerned about *colour rendering*. By this we mean the lamp's ability to reproduce the colours of various objects faithfully in comparison with natural daylight. All our LED task lights perform beyond industry standards in these matters.

Hand made – by Luxo

Our LED task lights are all built to the highest standards for flexibility and durability, with aluminium and prime quality steel as the most important materials. They are assembled by hand. We specify, design and build our own products, and control every step of the process. All Luxo products are backed by our 5-year manufacturers' warranty.

The illustration shows how the light from an Air LED is projected asymmetrically onto the work surface. Reflections are directed away from the user, providing a glare free experience.





Ninety
Free

Individual needs

Workstation lighting is much more important than most people imagine. Our working environment, work performance and well-being are affected by it. The personal task luminaire is one of the most important factors for achieving a good working environment.

Lighting requirements vary depending on the user's age and the task being undertaken. Individually adjustable ergonomic desk lights give complete flexibility and enable each operator to have total control of their work space.

A whole range of unwanted aches and pains, headaches, neck and back ailments and eyestrain can be attributed to poor lighting. This is because the body compensates for poor lighting: We adopt unhealthy postures in order to see well. When fitting out or refurbishing your workplace it is essential to provide adequate light from an adaptable and easily adjusted source.

The best solution for achieving optimal workspace lighting is a Luxo task light. For more than 70 years, Luxo has focused on people and their tasks, creating lighting tailored to the needs of the individual and their working preferences. Today, Luxo is recognized as the leader in ergonomic task lighting.

Ergonomically designed desk lights distribute light evenly across the working area. Importantly they prevent reflection and will not cause any discomfort to colleagues. The even light distribution eases the transition between light and dark areas on the working surface and allows your eyes to work in a constant, comfortable light.

An individual ergonomic task light ensures optimal computer workstation lighting. The illustration shows clearly an important advantage with ergonomic light, the fact that the luminaire is placed at the side of your desk and not directly in front of you.





View from Opera House lighting control room:
The dimmable Ninety provides the right light
for this extraordinary work place.

Product Guide

LED task lights from Luxo
Sample solutions

Ninety
Air LED
Ovelo
Terea

Our low energy LED task lights

Ninety **DESIGNER: SHAWN LITTRELL, 2008**

Ninety has won many international awards for its design and functionality. It is extremely energy efficient. Using only four 1,5W light emitting diodes (LED), Ninety offers a bright, warm light while saving energy. Ninety is dimmable, has a very flexible lamp head, and can be equipped with an ingenious double action rotating table base, a wall/rail bracket or a table insert bracket.



Ninety, long arm, for base

Article no.	Watt	LED colour temp	Colour rendering	Arm length	Colours
8135-401-21	6	3000	90	825 mm	White
8135-401-22	6	3000	90	825 mm	Black
8135-401-23	6	3000	90	825 mm	Silver grey

Ninety, long arm, with table clamp

Article no.	Watt	LED colour temp	Colour rendering	Arm length	Colours
8136-401-21	6	3000	90	825 mm	White
8136-401-22	6	3000	90	825 mm	Black
8136-401-23	6	3000	90	825 mm	Silver grey

Ninety, short arm, for base

Article no.	Watt	LED colour temp	Colour rendering	Arm length	Colours
8135-401-11	6	3000	90	720 mm	White
8135-401-12	6	3000	90	720 mm	Black
8135-401-13	6	3000	90	720 mm	Silver grey

Ninety, short arm, with table clamp

Article no.	Watt	LED colour temp	Colour rendering	Arm length	Colours
8136-401-11	6	3000	90	720 mm	White
8136-401-12	6	3000	90	720 mm	Black
8136-401-13	6	3000	90	720 mm	Silver grey

Ninety, wall version

Article no.	Watt	LED colour temp	Colour rendering	Arm length	Colours
8137-401-11	6	3000	90	525 mm	White
8137-401-12	6	3000	90	525 mm	Black
8137-401-13	6	3000	90	525 mm	Silver grey

Accessories

	Article number		
Table base in white	8990-064-1	Table insert bracket, white	8990-081-1
Table base in black	8990-064-2	Table insert bracket, black	8990-081-2
Table base in silver grey	8990-064-3	Table insert bracket, silver grey	8990-081-3



Sample solutions

Air LED DESIGNER: JUKKA SETÄLÄ, 2007

Air LED is a modern classic in the Luxo tradition, with a patented spring-balanced arm for maximum reach and flexibility. It is designed so that the lamp head will always remain parallel with the surface of your desk. It has a sculptural shape, perfect balance, and smooth movements that make it feel feather light – in spite of its steel construction.



Air LED 600 with table clamp

Article no.	Watt	LED colour temp	Colour rendering	Arm length	Colours
8133-303-12	6	3000	90	600 mm	Black
8133-303-13	6	3000	90	600 mm	Silver grey
8133-303-14	6	3000	90	600 mm	White

Air LED 800 with table clamp

Article no.	Watt	LED colour temp	Colour rendering	Arm length	Colours
8133-303-22	6	3000	90	800 mm	Black
8133-303-23	6	3000	90	800 mm	Silver grey
8133-303-24	6	3000	90	800 mm	White

Air wall

Article no.	Watt	LED colour temp	Colour rendering	Arm length	Colours
8132-303-21	6	3000	90	445 mm	Black

Accessories

Accessories	Article number
Table base for Air LED 600, black	8990-005-1
Table base for Air LED 600, silver grey	8990-005-2
Table base for Air LED 600, white	8990-005-3
Table Base Air LED 800 black	8990-074-1
Table Base Air LED 800 silver grey	8990-074-2
Table Base Air LED 800 white	8990-074-3

Ovelo **DESIGNER: STEPHAN COPELAND, 2009**

With its unique design and all-metal construction, this impressive task light will stand out in any office environment. It has a particularly good light output, and an arm with covered spring design, long reach and great flexibility. Yet its overall size is modest. Ovelo uses modern dimmable diodes with a total of 6W. It even has a timer: Ovelo automatically turns itself off after 8 hours in order to save energy.



Ovelo with table clamp

Article no.	Watt	LED colour temp	Colour rendering	Arm length	Colours
8121-403-1	6	3000	80	700 mm	White
8121-403-2	6	3000	80	700 mm	Black
8121-403-3	6	3000	80	700mm	Silver grey

Accessories

Ovelo table base, white
 Ovelo table base, black
 Ovelo table base, silver grey

Article number

8990-092-1
 8990-092-2
 8990-092-3

Terea **DESIGNER: RYANN AOKAR, 2009**

Our compact task light features the latest in low-energy LED technology. Its elegant form and slim shape makes it particularly suitable for small work areas. It has a very satisfying light output, and ergonomic details which ensure optimal computer workstation lighting. Terea combines energy-efficiency, ergonomics and compact design for an incomparable value.



Terea with table base

Article no.	Watt	LED colour temp	Colour rendering	Arm length	Colours
8126-303-2	7	3000	80	460 mm	Black
8126-303-3	7	3000	80	460 mm	Silver grey

Terea wall version

Article no.	Watt	LED colour temp	Colour rendering	Arm length	Colours
8125-303-2	7	3000	80	625 mm	Black
8125-303-3	7	3000	80	625 mm	Silver grey

Accessories

Rail bracket for Terea wall version, black
 Rail bracket for Terea wall version, grey

Article number

8990-083-2
 8990-083-3

Solutions

Four examples of ergonomic and energy efficient office environments.

By combining our low energy LED task lights with energy efficient general lighting, we are able to create solutions that are perfect for each individual, while saving energy and money. In the examples below we have used the 6 watt Air LED throughout for easy comparison.



10,4 m² cellular office with recessed luminaire and LED task light

1 Modul Micro 300 2x28W

1 Air LED 6W task light

Lighting data:

Surrounding area (up to 0,5m from wall) Em 313 LUX

Task area (0,5m x 0,5m) Em 773 LUX

Installed power = 70W which is 6,73 W/m²

Energy consumed: 21,2 kwh per m² per year (without sensors)

With auto on/off sensor: 14,8 kwh per m² per year (30% reduction)

With auto on/off and daylight sensor:

10,6 kwh per m² per year (50% reduction)



10,4 m² cellular office with pendant luminaire and LED task light

1 X-type 3937 Micro 2x28W

1 Air LED 6W task light

Lighting data:

Surrounding area (up to 0,5m from wall) Em 318 LUX

Task area (0,5m x 0,5m) Em 781 LUX

Installed power = 70W which is 6,73 W/m².

Energy consumed: 21,2 kwh per m² per year (without sensors)

With auto on/off sensor: 14,8 kwh per m² per year (30% reduction)

With auto on/off and daylight sensor:

10,6 kwh per m² per year (50% reduction)



96 m² open plan office with recessed luminaires and LED task lights

9 Modul Micro 300 2x28W

9 Air LED 6W task light

Lighting data:

Surrounding area (up to 0,5m from wall) Em 326 LUX

Task area (0,5m x 0,5m) Em 600 LUX

Installed power = 630W which is 6.56 W/m².

Energy consumed: 20,7 kwh per m² per year (without sensors)

With auto on/off sensor: 14,5 kwh per m² per year (30% reduction)

With auto on/off and daylight sensor:

10,3 kwh per m² per year (50% reduction)



96 m² open plan office with free standing luminaires and LED task lights

6 Free Floor Micro 2x40W

9 Air LED 6W task light

Lighting data:

Surrounding area (up to 0,5m from wall) Em 301 LUX

Task area (0,5m x 0,5m) Em 752 LUX

Installed power = 552W which is 5,75 W/m².

Energy consumed: 18,1 kwh per m² per year (without sensors)

With auto on/off sensor: 12,7 kwh per m² per year (30% reduction)

With auto on/off and daylight sensor:

9,0 kwh per m² per year (50% reduction)



Light influences people

The right lighting solutions help create the experience of comfortable, flexible and stimulating working environments. For over 70 years Luxo has designed innovative ergonomic lighting products and concepts, aiming to provide optimum lighting conditions considering individual needs. The quality and variety of the products we provide, coupled with our lighting know-how, ensure that you can expect only the best lighting solutions from Luxo.



All Luxo products are covered by a five-year guarantee.
You can find more information at www.luxo.com

We know how to make your work lighter