Lumi - Con

LED-Lighting-Technologies

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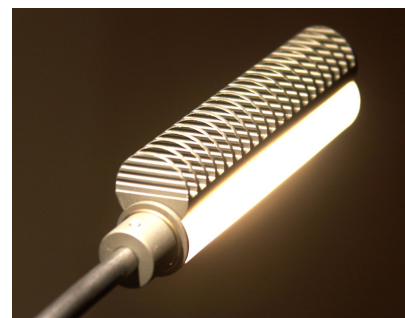
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Table Luminaire Candelino

Apparently floating above the table the flat stainless steel pedestal of *Candelino* holds an elegantly bended, quite thin arm with its lamp head containing state of the art LED technology.

The pedestal provides the touch area for controlling the LEDs – ON, OFF and DIMMING as well as controlling the light colour.

The arm is made from grinded stainless steel. The light head is offered in two versions depending on the desired light power and design. The minimalist design of the lamp head is made from sanded and coloured anodized aluminium and convinces with its small dimensions, the two interpenetrative cylinders of the cooler and the satined glass light cover. These designs are reserved to state of the art LED technology.

The pedestal contains the compact LED controller integrating all functions as power supply, LED controller, touch controller and dimmer. The luminaire integrates in addition a light colour selector. The user can select his individual light colour between 3000K (warm white) and 5000K (non tiring day light) in three steps.

The light radiates from an 80° angel providing a high light density of up to 1800 Lux at the table. Candelino achieves energy efficiency class A of the EU-directive 92/75/EWG.

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Datasheet
L2-X-X-X

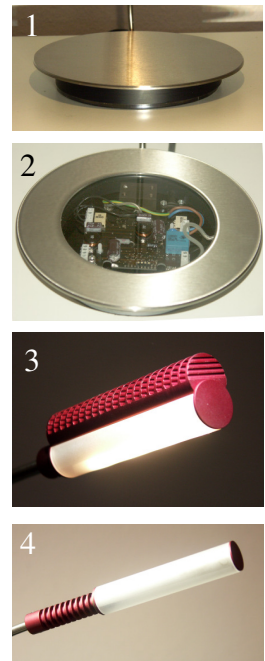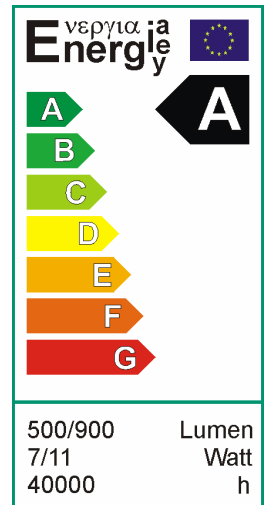**Table Luminaire**
Candelino

Rev. 2.2 – 09/2012

Eigenschaften und Technische Daten

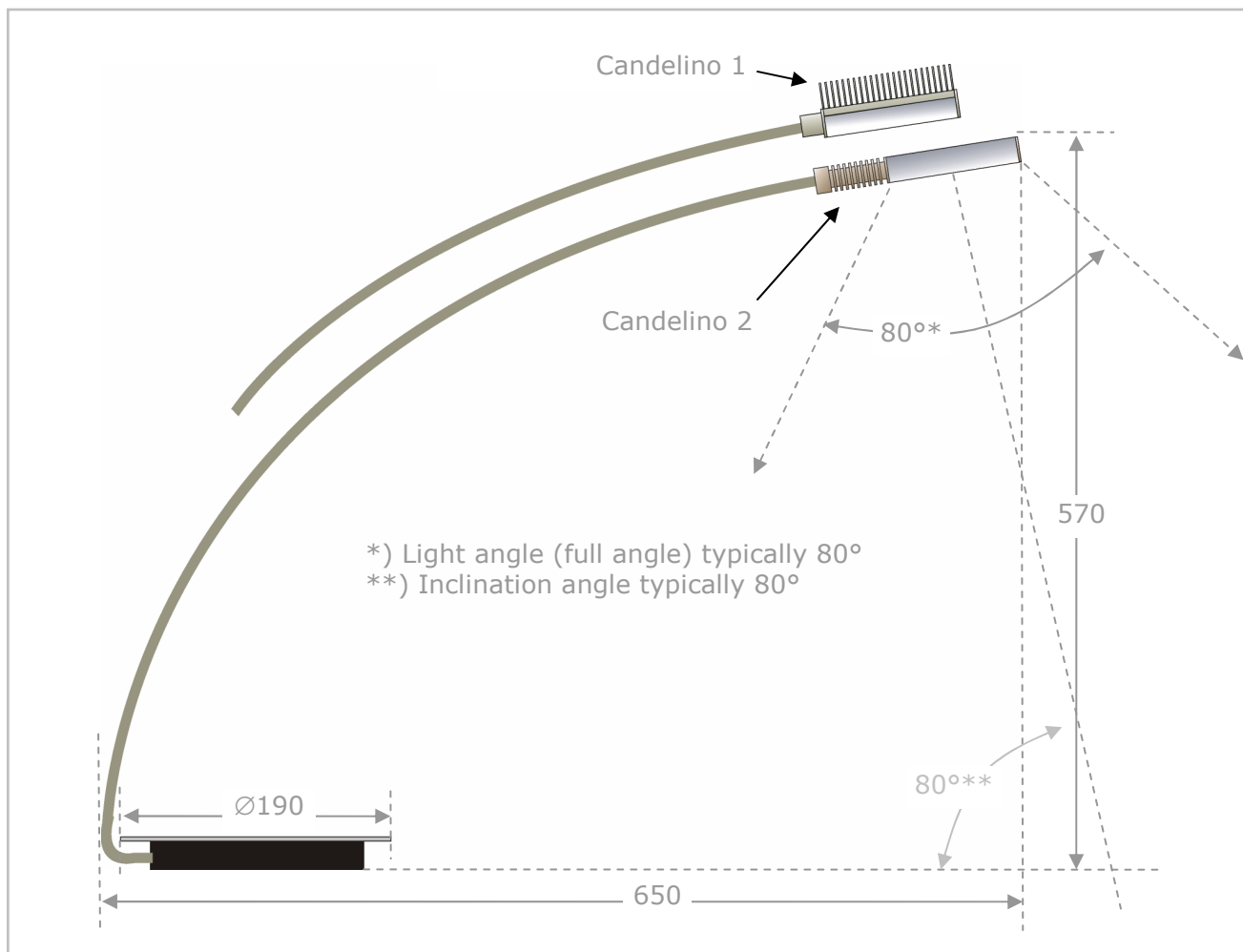Design-Table-Luminaire with

- Two different lighting heads available (Candelino 1 / 2)

- 6 or 11 high power LEDs,

- Innovative Touch-Dimmer

- Light temperature selector (optional)

- Energy efficiency class A acc. EU regulations

Technische Daten:

- „*Touch me Lamp*": ON / OFF and Dimming when touching the pedestal
- Energy efficient luminaire according energy efficiency class A
- 6 or 11 high power EDs
- Light output:
    - Candelino 1: 500 bzw. 900 Lumen (6/11 LEDs), 1000/1800 Lux, 7/11W (figure 3)
    - Candelino 2: 500 (6/11 LEDs), 1000 Lux (figure 4)
- Inclination angle of the light output: 80°
- Optional colour temperature select (with 11 LEDs only)
    - 3000K, 500lm
    - 4000K, 900lm (Candelino 1)/ 500lm (Candelino 2)
    - 5000K, 500lm
- Design versions and colours (figures right and page 3):
    - Arm: sanded stainless steel ($\varnothing$6mm)
    - Pedestal: sanded stainless steel
    - Light head: Alu bronze dark(D)/bordeaux(B), black (S)
    - Candelino 1: light head with cylindrical cooling element above lighting cylinder, up to 900 lumen, figure 3
    - Candelino 2: light head with integrated cooling element, up to 500 lumen, figure 4
    - Window pedestal (visible electronic circuits, optional, figure 2)
- Optional night light (window pedestal mandatory)
- Power consumption 7/11W at 230V/50Hz;
- Stand-By power 0.2W (light off, no night light)
- Height approx. 570 mm
- Width approx. 650 mm
- Weight: approx. 1.9 kg

Eνεργια **ja**
Energy **le**
A
A
B
C
D
E
F
G

500/900	Lumen
7/11	Watt
40000	h

Made in German Manufactory using in-house LED touch dimmer and designed according EU-directives 2006/95/EG, 2004/108/EG, 2002/95/EG und 2005/32/EG.

Candelino 1

Candelino 2

80°*

570

*) Light angle (full angle) typically 80°
**) Inclination angle typically 80°

∅190

80°**

650

Typical dimensions (in mm) of *Candelino*

Versions and Order Numbers

(Example: Luminaire 21 (**Candelino 1**), 11 LEDs, colour temperature control, wndow pedestal, night light, bordeaux)

L21-11F-SN-B

	Colour of light head: bronze dark (D), bordeaux(B), black (S)
	Window pedestal (S) Night light (N) (window pedestal mandatory)
	6 LEDs or 11 LEDs, WW or NW F = colour temperature control (11 LEDs only)
	L21 = *Candelino 1*

Colours: (typical values, colour may deviate from printing or screen):
Bordeaux: Bronze dark: Black:
Other colours on request.

General Information about Lumi-Con LED-Luminaires

The luminaire is operated with LEDs (Light Emitting Diodes). LEDs generate light of a certain wavelength directly from the current applied. The light of LEDs is not generated as in light bulbs through heating a metal wire which generates mainly heat. LED light is generated by a defined energy transition inside a (cold) semiconductor. Sometimes this light is also called *cold light* – which has however nothing to do with the light colour. For this reason the LED-light is much more efficient than the light out of bulbs.

The luminaire *Candelino* is operated with 6 or 11 warm or neutral white LEDs respectively with 6 warm and 5 neutral white LEDs if colour temperature control is chosen. The light output is about 500 to 900 lumen depending on the lamp type – approximately comparable to a 60 or 100W light bulb. The power consumption however is only 7/11W. The improvement of efficiency is about **800%** compared to light bulbs.

Candelino is also available with colour temperature adjustment. In this case 6 warm white LEDs (3000K) are integrated together with 5 neutral white LEDs (5000K day light). The user can decide which light colour he wants to use: 3000K, 4000K or 5000K.

LEDs are operated typically with a current of 300mA but with very low voltage. Thus a special power supply is necessary for the adaptation to mains power (230V). In our case an in-house supply is used which incorporates:
- current and voltage adaptation to LEDs needs,
- dimmer controller,
- touch sensor controller.

All functions are realized in a single module thus a very good efficiency can be achieved.

On and off of the lamp is done electronically thus no separation from mains is done when the lamp is off (stand-by).

The luminaire fulfils the energy efficiency class A for house hold lamps of the European Commission.

The power consumption of the lamp during stand-by is only 1,8kWh per year. Thus the lamp falls below the limits of the EuP-directive 2005/32/EG which a requests stand-by power consumption below 0.5W from 2013 on.

Candelino 1 top view

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L2-X-X-X

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Candelino

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Instruction

Candelino is controlled via a touch sensor. A short touch (shorter than 0.5 seconds) of the metallic pedestal switches the lamp on and off. Shorter touches than 0.1 seconds have no effect (debouncing). Longer touch starts the dimmer process of the lamp.

Luminaires with colour temperature control: A short touch switches the following sequence and the colour temperature can be selected first:
OFF – ON-3000K – ON-4000K – ON-5000K – OFF.
A longer touch at each ON-status starts the dimmer process.

Cleaning

Please use only aggressive cleaning substances and don't use scouring agent.
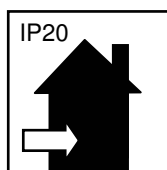
Maintenance and Guarantee

Candelino is a maintenance-free luminaire. There is no need for exchanging the LEDs. The average lamp life time exceeds 40000h. At a daily operating time of 8 hours at 200 working days per year the life time exceeds 30 years. The warranty time is 2 years. The warranty is only given under normal office operating conditions for non opened parts. It does not cover damage through non reasonable care.

Operation and Precautions

The lamp is operated from mains voltage (230V). It incorporates a electronic poser supply for operating the LEDs and the touch sensor. Please don't try to repair the lamp. In case of problems please send the lamp back to Lumi-Con or deliver to the local dealer.

The luminaires fullfill *EC Low Voltage Directive 2006/95/EC* (former 73/23/EEC), the *EC EMC Directive 2004/108/EC* as well as the RoHS compliancy (*EC Directive 2002/95/EC*). In addition they are compliant to *EuP Directive 2005/32/EG: Eco-Design of Energy Using Products*.

IP20

RoHS
compliant
2002/95/EG

CE

Attention please!
The information herein is given to describe certain components and shall not be considered as warranted characteristics.
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We hereby disclaim any and all warranties, including but not limited to warranties of non-infringement, regarding circuits, descriptions and charts stated herein.
Lumi-Con components may only be used in life-support devices or systems with the expressed written approval of Lumi-Con.