

Table Luminaire Star Disc



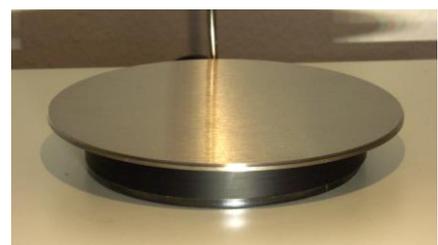
Apparently floating above the table the flat stainless steel pedestal of the *Star Disc* luminaire holds an elegantly bended, quite thin arm with its lamp head containing state of the art LED technology.

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 only 6mm thick sanded stainless steel. The discoid flat light head is made from sanded and coloured anodized aluminium and has a thickness of only 11mm. It floats quite weightless above the table. The cover from satined acrylic glass provides high light transparency for the LEDS light.

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 2800 Lux. *Star Disc* achieves the energy efficiency class A+ of the EU-directive 874/2012.



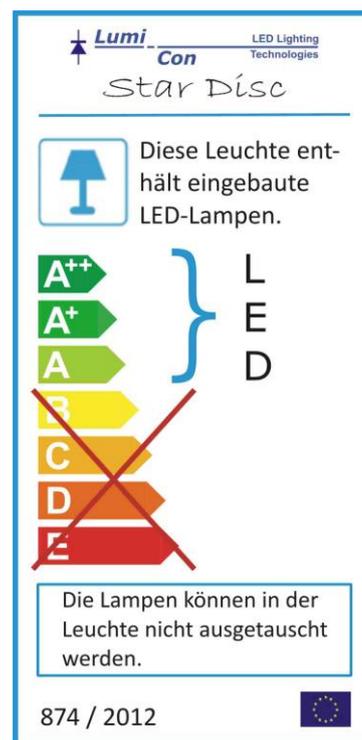
Features and Technical Data

Design-Table-Luminaire containing

- 9 or 18 high power LEDs
- Innovative Touch-Dimmer
- Colour temperature selector (optional)
- Energy efficiency class A+ acc. EU directive 874/2012

Technical Data:

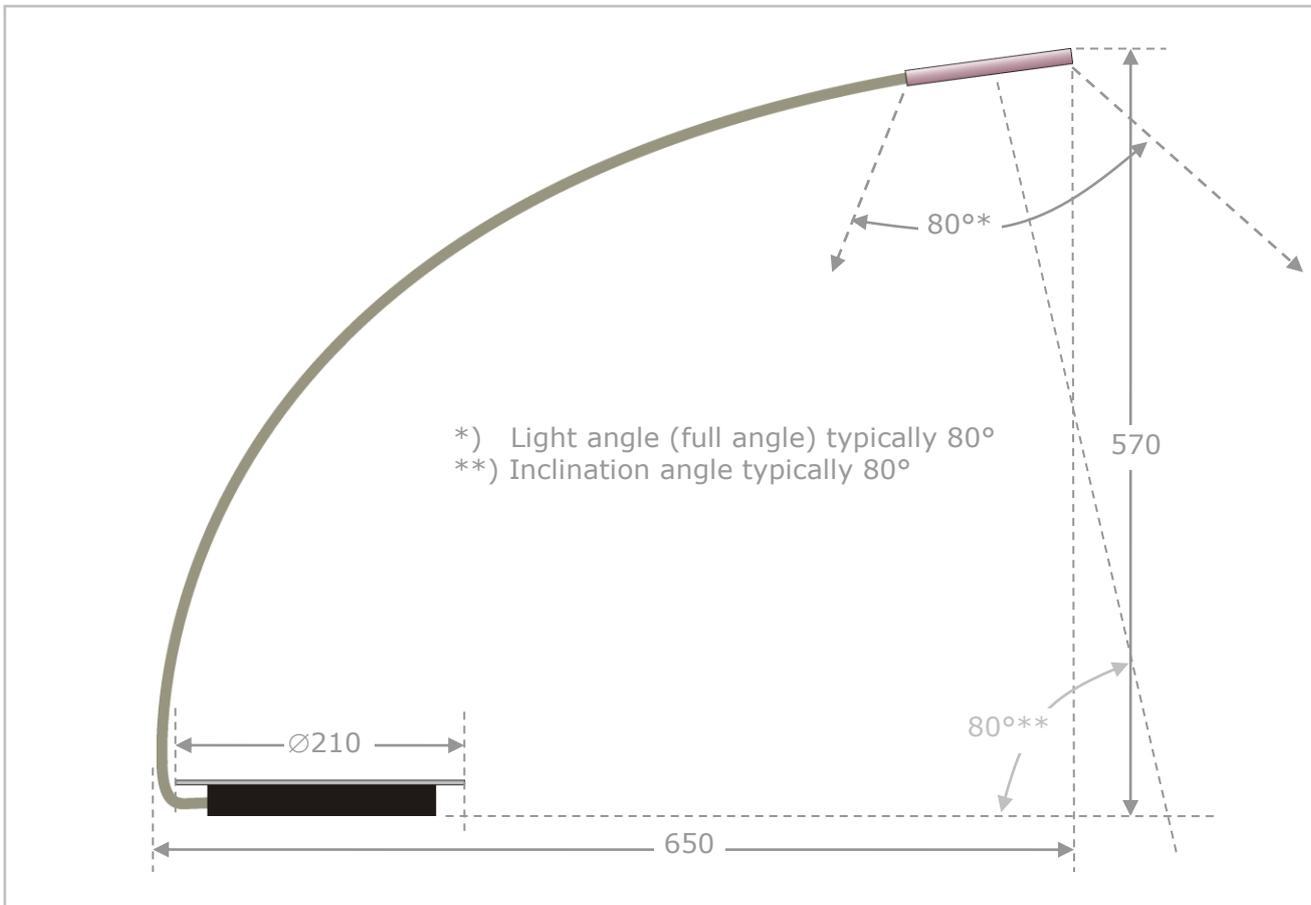
- „Touch me Lamp“: ON / OFF and Dimming when touching the pedestal
- Energy efficient luminaire according energy efficiency class A
- 9 or 18 high power LEDs
- Typical light output: 700 resp. 1400 Lumen
- Typical 1400 resp. 2800 Lux at the table working area
- Inclination angle of the light output: 80°
- Optional colour temperature select (with 18 LEDs only)
 - 3000K, 700lm, warm white, (WW)
 - 4000K, 1400lm
 - 5000K, 700lm, neutral white (NW)
- Design:
 - Arm: sanded stainless steel (∅ 6mm)
 - Pedestal: sanded stainless steel
 - Light head: Aluminium, coloured anodized (colour comparison see below)
- Power consumption 8W/15W an 230V/50Hz;
- Stand-By power 0.2W
- Height approx. 570 mm
- Width approx. 650 mm
- Weight: approx. 1.9 kg



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.



Colour comparison of lamp head →



Typical Dimensions (in mm) of *Star Disc*

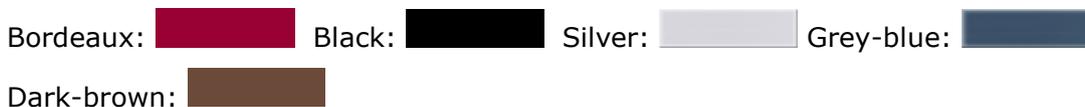
Versions and Order Numbers

(Example: Luminaire #5 (**Star Disc**), 18 LEDs, colour temperature selector (F), light head bordeaux (B))

L5-18F-B(-CH)

CH	= Swiss power connector
	Colour of lamp head: bordeaux (B), black (S), silver (N), grey-blue (A), dark-brown (D)
	9 LEDs, 18 LEDs, WW or NW F = Colour temperature selector (18 LEDs only)
L5	= <i>Star Disc</i>

Colours (typical values, colour may deviate from printing or screen):



Please view also picture on above page for colour comparison.

General Information about Lumi-Con LED-Luminaires

Star Disc 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 *Star Disc* is operated with 9 or 18 warm or neutral white LEDs respectively with 9 warm and 9 neutral white LEDs if colour temperature control is chosen. The light output is about 700 to 1400 lumen depending on the lamp type. The power consumption is only 8/15W. The improvement of efficiency is about **800%** compared to light bulbs.

Star Disc is also available with colour temperature adjustment. In this case 9 warm white LEDs (3000K) are integrated together with 9 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:

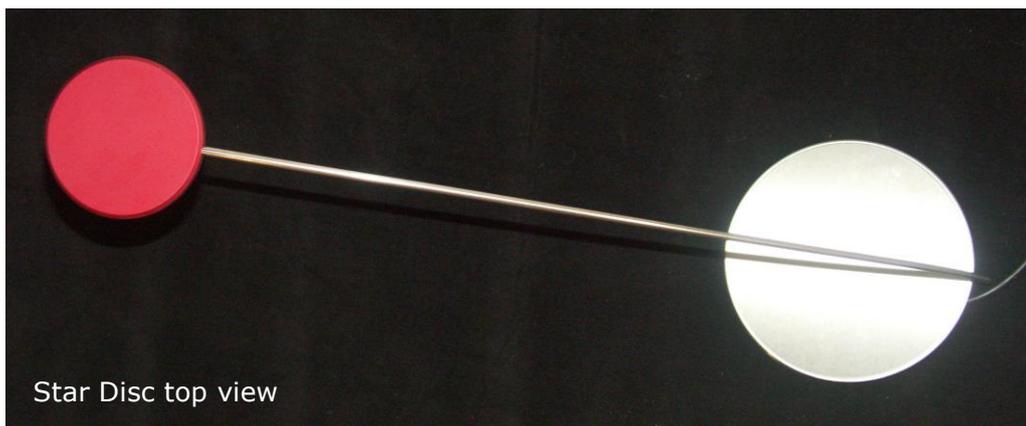
- current and voltage adaptation to LEDs needs,
- dimmer controller,
- touch sensor controller.

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 (directive 874/2012).

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.



Instruction

Star Disc is controlled via a touch sensor. A short touch (approx. 0.3 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.

To avoid malfunction please leave a distance of 5 cm to large grounded plane as e. g. radiators. After connecting to mains (230V AC) the luminaire switches on shortly. This demonstrates correct function.

Cleaning

Please use only non aggressive cleaning substances and don't use scouring agent. For cleaning lamp head you can use also ethyl alcohol.

Maintenance and Guarantee

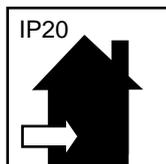
Star Disk is a maintenance-free luminaire. There is no need for exchanging the LEDs. The average lamp life time exceeds 40000h. At a daily operating time of 8 hours at 200 working days per year the life time exceeds 30 years. The warranty time is 2 years. The warranty is only given under normal office 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 are compliant to the *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*.



Attention please!

The information herein is given to describe certain components and shall not be considered as warranted characteristics.

Terms of delivery and rights to technical change reserved.

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.