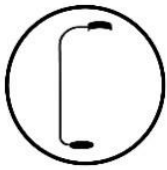




Sparckel, the light that makes you feel **alive**.



### Bright Brenda

When introduced at Dutch Design Week 2013, the world's first freestanding biodynamic LED concept.

It has curved tubes so that the base disappears under your table and does not take up valuable space. The top overhang is adjustable so that the light reaches your eyes optimally. She is available in serene matt white or tough matt black.

Bright Brenda shows her healthy light in the form of a design lamp. It has six LED groups that are controlled by time. So there is a clock in it that 'tells' the LEDs when to emit their light. There is activating cold white light, normal warm white light and atmospheric amber light. In addition to being directly distributed, the light is also indirectly distributed via the ceiling. This improves light distribution, which is more pleasant for our eyes. The LEDs are high-quality and energy-efficient.



The dynamic daylight changes 'automatically' from a morning light, to an activating afternoon light to increasingly calm and atmospheric light in the evening.

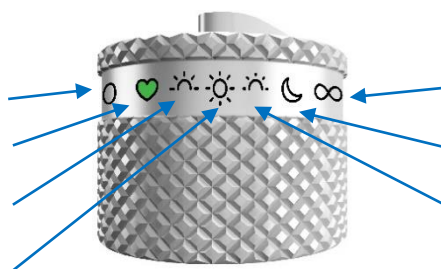
### The electronic heart with LEDs



1. This translucent shield has a hole pattern for cooling. Together with the indirect light, this creates a sparkling pattern on the ceiling.
2. This aluminum hood makes Sparckel reliable because, there is an airflow that keeps the electronics cool.
3. Our print has LEDs shining upwards and downwards. Together to 6,500 lumens of serious LED power. With a total of six LED groups, there is a wide range of 6,500 to 1,800 Kelvin. All intelligence is Plug & Play integrated: through a correct cooperation of LED drivers, storage, microprocessor, clock function and software, light scenes play themselves automatically.
4. The high-end shielding has nanotechnology small spheres. These are interwoven in the 'milk-glass-like' plate. This breaks the light several times, which gives an optimal diffused light image. Pleasant and comfortable for our eyes.

### The control ring

- Off
- Daylight rhythm (automatic)
- Activating morning light
- Activating afternoon light



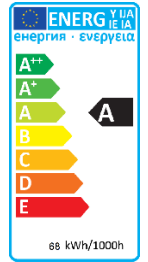
- Demonstration daylight rhythm
- Relaxing evening light
- Warm evening light



### Technical data

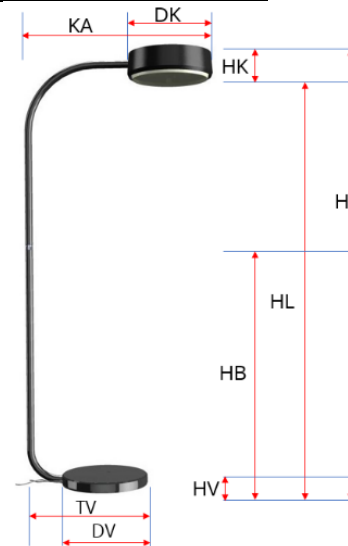
### Electrical data

Specification item	Value
Input voltage power supply	220-240 VAC
Output voltage power supply for luminaire	24 VDC (3,75 A)
Frequency Range	50/60 Hz
Power P luminaire	Max 76.2 Watt
Power Factor	0.97
EU 2013 Energy label classification	A



### Dimensions

Dimension	mm
Height (H)	1.910
Height direct light (HL)	1.800
Diameter hood (DK)	385
Adjustable length (KA)	760-860
Height hood (HK)	110
Diameter Base (DV)	380
Height Base (HV)	50
Total Base length (TV)	530
Height Control ring (HB)	1.040
Weight incl. power supply	21 kg



### Light data

Specification item	Value
Color temperature range	1.800 – 6.500 k
Beam angle	360°
Luminous flux*	5.450 Lumen (source 6.500 lumens)
Luminous efficacy*	72 lm/W (Source 85 lm/W)
Light distribution indirect/direct	0,35/0,65
Color rendering index (CRI_Ra)	>95 (R9 > 85)
TM30-15 Rf	90
MDER (Melanopic Daylight Effect Ratio)**	0.743

\* measured output of luminaire, this is lower output than the source by using diffusers for visual comfort.

\*\* MDER indicates how effective a lamp is in activating the human biological clock (so-called non-visual aspects of light) compared to daylight. The higher the MDER, the more the light source will activate the human biological clock at the same amount of photopic lux.

### Light spectrum and diagram.

Eulumdat file available on [www.sparckel.nl](http://www.sparckel.nl)

