

Key facts

- Introduced in 2006, Leaf is the result of more than three years collaborative engineering and design development between Herman Miller, designer Yves Béhar and Nichia Corporation, Japan.
- This elegant table-top light is ideal for many applications, including home or office.
- It offers a unique combination of:
 - innovative LED technology (LED = light-emitting diode)
 - sculptural beauty
 - environmental design
 - unmatched user control
- Yves Béhar calls it 'a fusion of technology with humanity'.

Aesthetics

- The slim profile is created by a lower blade supporting a matching upper blade which can be positioned for three types of lighting:
 - Ambient: folded close for subtle, ambient light
 - Accent: raised vertically for wall or object illumination
 - Task: adjusted to direct the light to fit the task at hand
- The upper blade pivots 210°, from nesting to vertical positions.
- The lower blade rotates 180° and pivots 27.5° forward and 23° backward.
- Leaf is available in five colour options: polished aluminium, black, white, nickel and red. Blades and base are matching colours, with the exception of the polished aluminium which have a black base.

User control

- Leaf is the first lighting product that lets you choose the intensity and colour that best suits a mood, task, or location. For instance, you might prefer warm mood light or cool work light.
- Simply touch the light to turn it on and off. Slide your finger along a groove on the base to adjust the intensity of the light and to change between warm and cool light.
- The microprocessor will remember these settings next time you turn on the light.

Technology

- Leaf's technology addresses problems of existing LED lights: heat build-up and light intensity.
- In typical LED lamps, the high-intensity LEDs generate heat, requiring a motorised fan for heat dissipation.
- Leaf manages heat differently. Its LEDs stay cool to the touch through use of a patent-pending heat distribution system, achieved through an engineered heat sink and sculptural aluminum blade. This allows heat to be dispersed and released without the use of a cooling fan.

Light output

- Leaf uses two colour LEDs: warm white (yellow) and cool white (blue).
- The warmth or coolness, (colour temperature, not heat), of a light source is measured in Kelvins. The range for the Leaf light is 2800 (warm) to 6000 (cool) Kelvins.
- The luminance rating for Leaf is 120 footcandles,
- Lumen = total light output at source
- Footcandle = light received by 1sqft from 1ft away
- Lux = light received by 1sqm from 1m away
- 1 FC (imp) = 10.76 Lux (mt); 120 FC= 1291.2 Lux
- Factor of 10:1 LX:FC is generally acceptable

Sustainability

- Leaf was developed according to Herman Miller's demanding Design for the Environment (DfE) protocol, emphasising sustainable processes, materials, and recyclability.
- It is 95% recyclable and made of 37% recycled materials.
- Energy savings: Leaf's environmental impact is most profound through its use. On average, Leaf's 20 LED chips (not bulbs) consume eight to nine watts of power, which is about 40% less energy use than a standard, compact fluorescent 13 watt bulb.
- Its lifespan is up to 100,000 hours, roughly 100 times longer than conventional light sources.
- LEDs do not burn out as standard light bulbs do. Instead, they gradually lose intensity after they reach the end of their lifespan.

Reliability / warranty

- Herman Miller's warranty is two years, including electronic ballasts.
- Because the lifespan for Leaf's LEDs is up to 100,000 hours, the light is likely to last much longer than the warranty period. For example, using Leaf constantly (24/7), considering its variable settings, could provide up to 11 years of life for the LEDs. This compares with a lifespan of 1000 hours, or 42 days, for a conventional 60-watt light bulb under similar conditions.



General

- 20 LEDs provide light without heat or glare
- LEDs consume 8 watts; maximum unit consumption 18 watts
- 3-meter power cord
- Touch controls for adjusting light intensity and colour temperature
- Colour temperature can be adjusted from Kelvin 2800 warm to 6000 cool
- Light described as 'cool white' and 'warm white', not 'blue' or 'yellow'
- Adjustable upper and lower blades allow light to be directed
- Upper blade pivots 210 and extends up to 82.5cm
- Lower blade swivels 180 and pivots 70cm forward and 23 backward
- Blades and base are matching colours except for polished aluminium (black base)

Standards certification

- EN60598 and CCC
- UL and UL Canada listed
- CSA certified
- Conforms to CE and RoHS directives

Upper and lower blades

- Die-formed aluminium with polished, painted, or anodised finish
- Connected by steel torsion spring with delrin plastic washers
- Upper blade comprises 10 warm white and 10 cool white LED chips mounted to a printed circuit board and covered with a polycarbonate lens
- Upper blade also includes die-cast aluminium heat sink for dissipating heat through chimneys at the back of LED chips

Base

- Integral colour or painted acrylonitrile butadiene styrene (ABS)
- Includes counterweight and PC board that manages light's electronics
- Touch-activated electronics include on/off, light intensity, and warm-to-cool controls
- Base and lower blade connected by hinge and swivel of aluminium and delrin

Performance

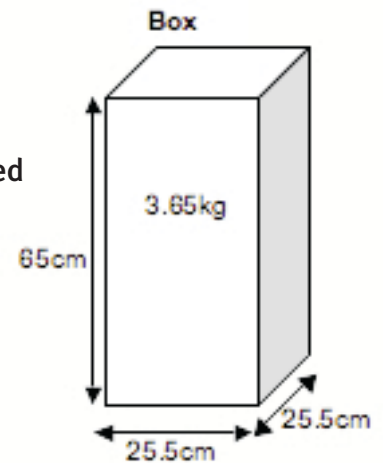
- Lifespan up to 100,000 hours
- Light range Kelvin 2800 (warm) to 6000 (cool)
- Illuminance rating of 120 footcandles or 1,292 lux (lumen/sq m)

Dimensions

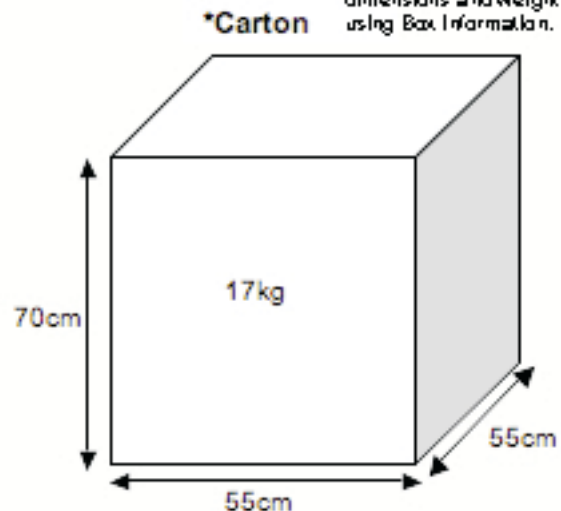
Height: 53.5cm
Diameter: 22cm
Weight: 2.3kg

Dimensions – packaged

Height: 65cm
Width: 25.5cm
Depth: 25.5cm
Weight: 3.65kg



*TBC - estimated dimensions and weight using Box Information.



24 Leaf lights per pallet
1 pallet = 6 cartons
1 carton = 4 boxes
1 box = 1 Leaf light

The colour of the plastic carrying handle of each box represents the actual colour of the Leaf light inside that box.



For more information
www.myleaf.nl
www.leaflight.info