



**Our sustainability goals by the year 2020:**

- Zero carbon footprint
- Zero landfill
- Zero hazardous waste generation
- Zero air emissions (VOCs)
- Zero process water use
- 100 percent green electrical energy use
- Company buildings constructed to a minimum LEED Silver certification
- 100 percent of sales from DfE approved products

**Environmental Product Summary  
Thrive™ Portfolio**

**Flute™ Personal Light**



**Design Story: Accommodating Small Footprints**

Providing better, more effective products to connect individuals to their work is one of the key goals of the Thrive Portfolio, whose products include the Flute personal light.

Designed by Tom Newhouse, the Flute personal light—with its simple aesthetics and light weight—provides uncomplicated compatibility within any office footprint. Flute can be used freestanding or with a surface mount. Flute’s lightscale design can also help reduce a user’s carbon footprint by minimizing packaging, shipping, and storage. And, it incorporates the latest in LED technology to provide high-quality light output, while consuming 30-50+% less energy than traditional task lights. Using only a total of 5.2 watts of energy, Flute provides a total of 160 lumens and has a lifespan of more than 60,000 hours (about 23 years with average use).

**Herman Miller’s Design Protocol**

Our commitment to corporate sustainability naturally includes minimizing the environmental impact of each of our products. Our Design for Environment team (DfE) applies environmentally sensitive design standards to both new and existing Herman Miller products, utilizing the McDonough Braungart Design Chemistry (MBDC) Cradle to Cradle<sup>SM</sup> Design Protocol.

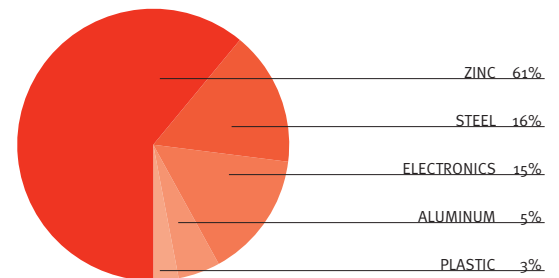
Cradle to Cradle Design Protocol goes beyond regulatory compliance to thoroughly evaluate new product designs in three key areas:

- *Material Chemistry and Safety of Inputs*—What chemicals are in the materials we specify, and are they the safest available?
- *Disassembly*—Can we take products apart at the end of their useful life, to recycle their materials?
- *Recyclability*—Do the materials contain recycled

content, and more importantly, can the materials be recycled at the end of the product’s useful life?

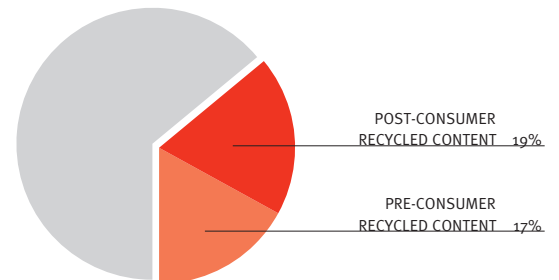
**Material Content**

Flute personal light components are constructed from zinc, steel, electronics, aluminum and plastic.



Flute is up to **85 percent recyclable** at the end of its useful life.

Flute is comprised of **36 percent recycled** materials. This figure breaks down to 19-percent post-consumer and 17-percent pre-consumer recycled content.



- Steel components contain approximately 33 percent recycled content and are 100 percent recyclable.
- Most metal components have a powder-coat paint



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finish that emits negligible volatile organic compounds (VOCs).

- Plastic components are identified with an ASTM recycling code whenever possible to aid in returning these materials to the recycling stream.
- Every material has been scrutinized down to the molecular level.
- *Returnable/Recyclable Packaging* – Packaging materials include corrugated cardboard and polyethylene bags. The materials are part of a closed loop recycling system, meaning they can be recycled repeatedly.
  - Whenever possible, shipments between the Herman Miller and its suppliers include the use of pallets and other returnable packaging to minimize waste.

***It's important to note that no interior furnishings, individually or collectively, can guarantee a specific number of points for LEED certification.***

### Product Performance

- Designed for minimal material use, reduced energy requirements, easy reconfiguration, and durability.
- Backed by Herman Miller's 5-year, 24/7 warranty.

### Indoor Air Quality

Flute is GREENGUARD® certified as a low-emitting product that meets current indoor air quality standards.

### Corporate Environmental Policy

For more information on Herman Miller's Corporate Environmental Policy and other environmental efforts, visit the "About Us – Environmental Advocacy" section of [HermanMiller.com](http://HermanMiller.com).

### Supplier Support

At Herman Miller, we are committed to working closely with our suppliers to reduce our collective impact on the environment. We not only encourage our suppliers to minimize their operations' environmental impacts, but require they assist us in decreasing our facilities' negative environmental effects, as well.

### LEED

Herman Miller's Flute personal light may contribute to LEED credits due to its reduced energy consumption, recyclable packaging, durability, pre-consumer recycled content, and post-consumer recycled content. Depending on location, the Flute also may contribute to a LEED Regional Materials credit. Please refer to <http://hermanmiller.com/ecoScorecard> or contact your Herman Miller representative for detailed LEED information.

Herman Miller complies with the Federal Trade commission's Part 260 Guides for the Use of Environmental Marketing Claims.