



Certified Sustainable Product Summary©

For Philips T-8 Fluorescent Light Bulb – SMART© Gold Certified

PHILIPS

Philips Lighting
200 Franklin Square Drive
Somerset, NJ 08875
Contact: steve.mcquire@philips.com
www.lighting.philips.com

Philips Mission Statement

We improve people's lives through the timely introduction of meaningful innovations.

Why is the Certified Sustainable Product Summary© Needed?

Credible information based on third party product certification to an approved, transparent, consensus, leadership sustainable product standard is the best product information about the environment and social equity. It eliminates unlawful, harmful and widespread greenwash.

Who is the Summary for?

Product purchasers, specifiers, consumers, governments, ad & PR agencies.

LEED US Green Building Council Certified Sustainable Product Credit

Certified sustainable products to consensus SMART© Building Product and California Gold Carpet Standards are approved for LEED innovation credit. These Standards are almost identical and require ISO compliant life cycle assessments. Philip's SMART© Gold/EPP Certification qualifies for LEED innovation credit.

Life Cycle Assessment (LCA)

Philips uses quantified, ISO compliant LCA for certification to a consensus sustainable product standard. LCA evaluates environmental benefits of a product over its entire life from raw materials extraction to reuse.

Sustainable Product Certifications Earned

SMART© Gold/EPP Sustainable Building Product Achievement Level (61 to 89 points)

SMART© is part of the American Institute of Architect's 2015 Imperative to stop irreversible dangerous climate change.

Single Attribute Sustainable Certifications also earned contributing to SMART© Gold/EPP Certification: *ISO 14000 Series* (Criteria covered in the SMART© Gold/EPP Certification)

Certification: SMART© Gold/EPP. Auditing conducted by Redstone.

Total Points Earned – 71 out of a possible 89.

Safe for Public Health & Environment – Points Earned: 14

Credit given for manufacturing facility and suppliers including reduction of over 1000 pollutants covering 12 environmental impacts. Greatest credit given for 100% reduction from year 2000 baseline. Philips points achieved in this section:

- Feedstock Inventory Documentation
- No Input or Output Stockholm Chemicals
- Inventoried Human Health and Ecological Health Chemical Emissions
- Inventoried Air, Water & Waste Pollutants
- Green Cleaning Procedures
- Green Primary Installation Materials
- Minimized Indoor Formaldehyde Emissions
- No Supply Chain Stockholm Chemicals
- Supply Chain Inventory and Limit on Stockholm Chemicals

Renewable Energy and Energy Efficiency – Points Earned: 15

Performance criteria for renewable energy & energy reduction are identified for the manufacturing facility and suppliers. Minimum performance specified & credit provided for superior performance. Philips points achieved in this section:

- Electrical & Thermal Energy Inventory - How do we want to word this?
- 1% Renewable Energy or 0.2-0.5% Energy Reduction from Inventory Baseline
- Cleaner & Greener Certification Level 2
- 2% Renewable Energy or 0.5-1% Energy Reduction
- 5% Renewable Energy or 0.5-1% Energy Reduction
- 8% Renewable Energy or 0.5-1% Energy Reduction
- Certification of Climate Change Emission Reductions
- 11% Renewable Energy or 5-7% Energy Reduction
- 15% Renewable Energy or 8-20% Energy Reduction

Biobased or Recycled Materials – Points Earned: 2

Performance criteria for recycled and bio-based content are identified as well as sustainable agriculture through organic production and best management practices. Organic bio-based products following EPA Best Management Practices receive greatest credit since they have no endocrine disruptors. Greatest credit given for 100% recycled content or 100% bio-based. Philips points achieved in this section:

- Inventoried Biobased & Recycled Materials

Facility or Company Based Manufacturing – Points Earned: 12

This Category encourages corporate wide environmental responsibility and achievements. Achievement levels range from adoption of an environment policy and targets and having an environmental management system, to supply chain activities like Life Cycle Assessment and disclosing the percentage of sustainable flooring purchased, made and sold. Philips points achieved in this section:

- EMS Environmental Policy & Targets

Philip's Summary adheres to MTS Guidelines for Certified Sustainable Product Summaries®.



1511 Wisconsin Avenue, NW
Washington, DC 20007
Telephone 202-338-3131

Fax: 202-338-2800
Email: MTS@SustainableProducts.com
Web: <http://MTS.SustainableProducts.com>

- Quantified Sustainable Product Standards -

- Social Indicator Reporting for Manufacturer
- Social Indicator Reporting for Suppliers
- Conduct ISO Compliant Life Cycle Assessment
- Transparent Secondary Materials Recycling System
- Adopted Design for Environment Process
- Environmental Management System Certification

Reclamation, Sustainable Reuse or End of Life Management – Points Earned: 23

This Category encourages product reuse and reclamation, thereby reducing waste to landfill and incineration. It requires that product performance standards be met, and extended life of the system including proper installation and maintenance. This category accounts for down cycling of goods and materials from their highest to lowest use after production and prior to final disposition, encouraging reuse and avoiding disposal. Philips points achieved in this section:

- Operational Reclamation and/or Sustainable Reuse System
- Performance Durability Standard Compliance
- Extended Product Life of System
- 1-6% Product Reclamation and/or Reuse
- 7-12% Product Reclamation and/or Reuse
- 13-30% Product Reclamation and/or Reuse
- 21-30% Product Reclamation and/or Reuse
- 30% or More Product Reclamation and/or Reuse

Innovation in Manufacturing – Points Earned: 5

Credit is provided for dematerialization, substantial reuse, or activities not covered in the Standards that promote sustainable products. Philips points achieved in this section:

- Extra Points Dematerialization (less material by % weight)
- Long Lamp Life
- Internal Recycling Programs for materials

DISCLOSURE: All statements are accurate and not misleading based on Philip’s **SMART® Gold/EPP** legally binding Certification to the Federal Trade Commission Environmental Marketing Guides.

Additional Certifications include:

- ISO 14000 Series (Criteria covered in SMART® Gold Certification)

PRODUCT PLATFORM CERTIFICATION

The SMaRT Sustainable Product Certification process allows for the certification of product platforms, i.e., if the specific product that is being certified is produced in more than one manufacturing facility. Product platform documentation must be provided to substantiate that there is a high degree of uniformity of environmental attributes in the products in the platforms over all product stages through their life cycle. Philips documentation has demonstrated that their standards are consistent for all lamp production and are consistently documented in Philips ISO140001 and EcoVision programs with mandatory third party validations.

Sustainable Customer and Industry Organizational Involvement

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To increase awareness for quantified sustainability throughout our customer base and stay current with standards and laws regarding sustainability, Philips is affiliated with:

- [Alliance for Sustainable Built Environments](#) (ASBE)—Founding Member



ASBE is a group of industry leaders who practice and are recognized for sustainability leadership.

- [U.S. Green Building Council](#) (USGBC)—Founding Member



USGBC is the nation's foremost coalition of leaders from every sector of the building industry working to promote buildings that are environmentally responsible, healthy places to live and work.

- [Institute for Market Transformation to Sustainability](#) (MTS)—Founding Member



MTS is a nonprofit public charity of leading environmental groups, governments and companies working to achieve 90% sustainable products market penetration by 2015.

- [International Facilities Management Association](#) (IFMA)—Founding Member



IFMA certifies facility managers, conducts research, provides educational programs, recognizes facility management degree and certificate programs and produces World Workplace, the largest facility management-related conference and exposition.

- [American Society of Interior Designers](#) (ASID)



ASID is people of the design community striving to advance the interior design profession while demonstrating and celebrating the power of design to positively change people's lives through education, knowledge sharing, advocacy, community building and outreach.

- [International Interior Design Association](#) (IIDA)



IIDA is a professional networking and educational association committed to enhancing the quality of life through excellence in interior design and advancing interior design through knowledge.

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- Quantified Sustainable Product Standards -