



### WALDMANN



#### Herbert Waldmann GmbH & Co. KG

Peter-Henlein-Straße 5  
78056 Villingen-Schwenningen  
Germany

+49 7720 601 267  
www.waldmann.com

Contact person:  
Klaus-Jürgen Hahn, Product Manager



#### Product

LAVIGO VTL

**Type of project:**  
Cradle to Cradle Certified™ certification of the LAVIGO VTL free-standing luminaire at Bronze level.

**Project period:**  
May 2015 – July 2017

The certificate is valid up to 11 July, 2019



### PRODUCT AND SERVICE DESCRIPTION

In technical terms, the LAVIGO PULSE VTL free-standing luminaire is the most complex member of the LAVIGO family of luminaires. This is why it was chosen first for Cradle to Cradle Certified™ certification. It was the first office luminaire in the world to be awarded the internationally valid Cradle to Cradle certificate.



The LAVIGO luminaire impresses with the clear lines and sleek elegance of its design. For the design of this luminaire, Jürgen Schubert from Structurelab Architekten Düsseldorf derived all the main components from the simple shape of a rectangle, adding slightly rounded edges. This enables the Waldmann luminaire to adapt very successfully to suit different office concepts, interior design scenarios and furniture systems.



In combination with the PULSE VTL light management system for biodynamic light, LAVIGO provides its users with even greater comfort. That is because people and their needs occupy centre stage at Waldmann as it develops its lighting technology. In terms of its indirect lighting component, this luminaire simulates the progression of natural daylight in terms of the colour and intensity of light. It is activated in the morning exactly as daylight is and ensures better performance and well-being.

#### Biological Cycle:






All products used in this project were developed for safe use in terms of the technical cycle.

#### Technical Cycle:

The LAVIGO PULSE VTL was further improved for the technical cycle in cooperation with EPEA. During the usage phase, this luminaire enhances well-being and health of its users at their place of work. Waldmann has joined forces with Interseroh and its 'take-back system'. Once a luminaire is retired from service, its individual materials are sent for recycling through our relationship with Interseroh.



### LAVIGO VTL: C2C SCORECARD

	Basic	Bronze	Silver	Gold	Platinum
 Material Health		✓			
 Material Reutilization				✓	
 Renewable Energy		✓			
 Water Stewardship			✓		
 Social Fairness			✓		








### CORPORATE OBJECTIVES

TARGET 1	TARGET 2	TARGET 3	TARGET 4
 <b>BRONZE</b>	 <b>SILVER</b>	 <b>PRODUCTS PROGRAM</b>	
Bronze certification of LAVIGO PULSE VTL (achieved in 2017)	Product improvements leading to Silver certification (planned for 2018)	Certification of other luminaires in the LAVIGO family (free-standing and suspended luminaires) (planned for 2018)	All new development work is checked for implementation of the C2C criteria (ongoing)



### POSITIVE IMPACTS

Water Stewardship	Material Health	Material Reutilization	Renewable Energy	Social Fairness
				
Waldmann strives to achieve efficient use of water within its plant and, over the last few years, has already made great strides in this direction by adopting various strategic measures.	The properties of all the ingredients used were inspected. Wherever scope was found for improvement, steps were taken to accomplish that.	A 'Material Reutilization Score' was achieved at Gold level. To achieve Platinum level, all components would need to be replaced with recycled or with sustainable raw materials. At the present time, at least in the electronics sector, this is not yet possible.	54% of our electricity needs are sourced from Renewable Energies. Since 2012, an energy saving of 10% has been achieved. Through the use of more efficient vehicles, we have been able to cut down our CO <sub>2</sub> emissions by about 10%.	The Waldmann Quality Management system is certified to ISO 14001 & 9001 standards. Through its various social projects, Waldmann not only strengthens its own business but also supports the community.



“ Certification of the LAVIGO with PULSE VTL was for us a first step, one that we consider to be important in this age of sustainable construction. This allows to set an example in this sector, and also view this step as an integral component of our responsibility towards society”

Gerhard Waldmann, Owner & CEO

