

Product Environmental Profile

RILUX-T5 IP65 L/300/4PB





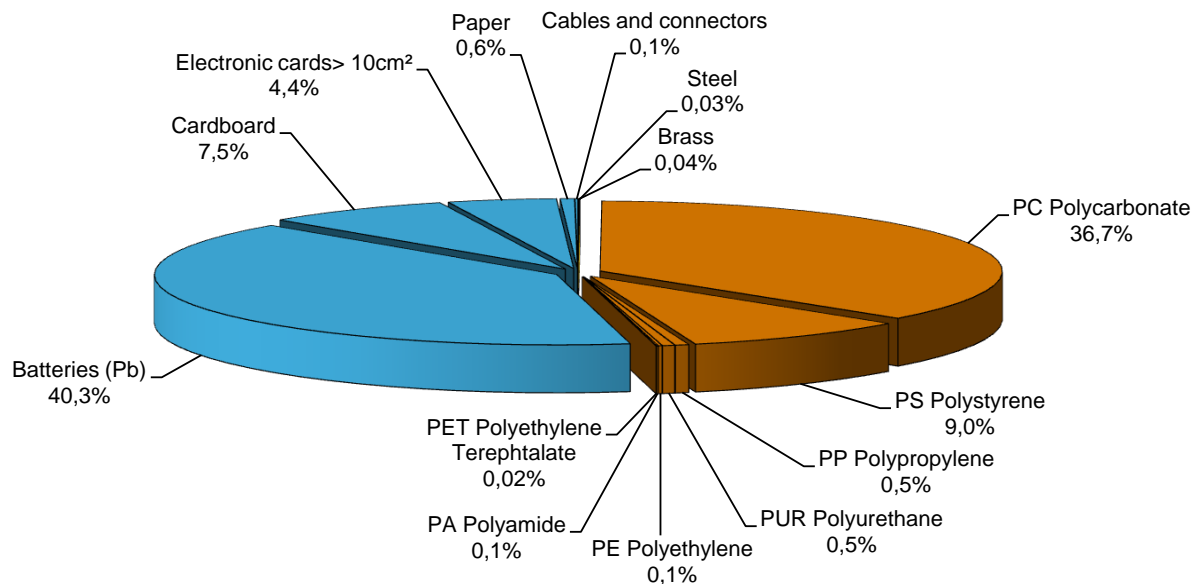
General information

Representative product	RILUX-T5 IP65 L/300/4PB -OVA39566
Description of the product	Emergency lighting luminaire made in compliance with the relevant European standards, with led light source, suitable to be installed in large premises.
Functional unit	Non maintained emergency luminaire, made to ensure a light flux of 300lm for a duration of 4 hours. During the 10 years service life, batteries should be replaced to preserve the rated lighting duration.



Constituent materials

Reference product mass	1644 g including the product, its packaging and additional elements and accessories
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Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 8 June 2011) and do not contain, or only contain in the authorised proportions, lead, mercury, cadmium, hexavalent chromium or flame retardants (polybrominated biphenyls - PBB, polybrominated diphenyl ethers - PBDE) as mentioned in the Directive

As the products of the range are designed in accordance with the RoHS Directive (European Directive 2002/95/EC of 27 January 2003), they can be incorporated without any restriction in an assembly or an installation subject to this Directive.

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website

<http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page>



Additional environmental information

The RILUX-T5 IP65 L/300/4PB presents the following relevant environmental aspects

Design	The high efficiency of the led light source allows a reduction in the number of products required to get the desired illumination level and consequently a reduction in the energy consumption.
Manufacturing	Manufactured at a Schneider Electric production site ISO14001 certified
Distribution	Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 133,4 g, consisting of cardboard (93%), paper (7%) Packaging recycled materials is 100% of total packaging mass. Product distribution optimised by setting up local distribution centres
Installation	Ref. OVA39566 needs to be screwed to the installation surface
Use	A battery of 665g should be changed every 4 years. Number of batteries to be substituted in the life time: 1,5. Each year a technician is supposed to drive for 100Km to check the efficiency of the installation.
End of life	End of life optimized to decrease the amount of waste and allow recovery of the product components and materials This product contains Pb battery: 665g, Electronic cards: 74g that should be separated from the stream of waste so as to optimize end-of-life treatment. The location of these components and other recommendations are given in the End of Life Instruction document which is available on the Schneider-Electric Green Premium website http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page Recyclability potential: 75% Based on "ECO'DEEE recyclability and recoverability calculation method" (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).



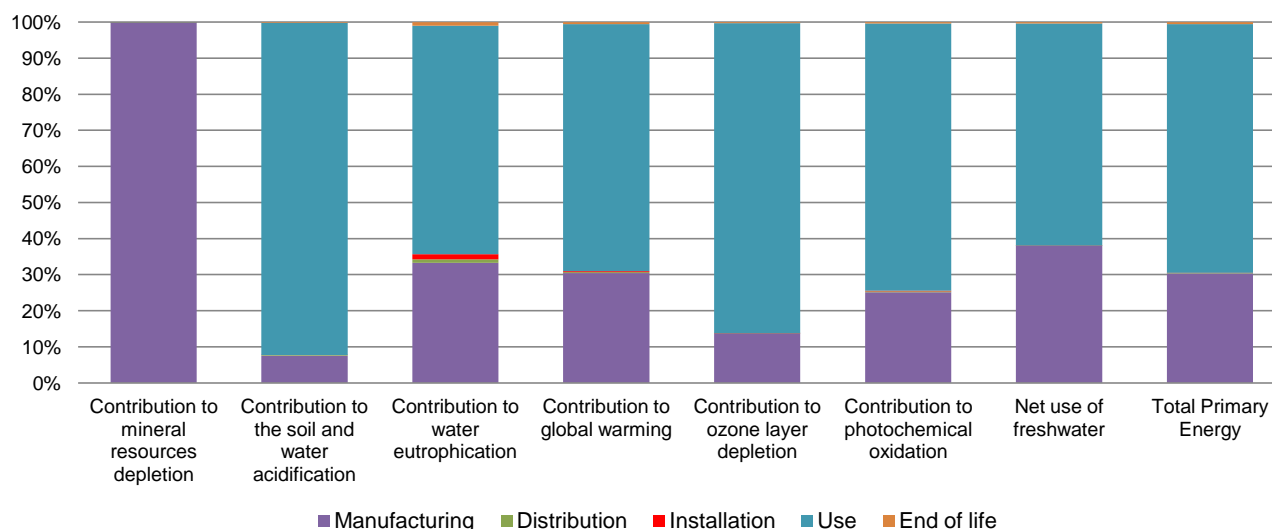
Environmental impacts

Reference life time	10 years			
Product category	Active products			
Installation elements	Screws			
Use scenario	Consumed power is 0 W 0 % of the time in Active mode, 1 W 100 % of the time in Standby mode, 0 W 0 % of the time in Sleep mode and 0 W 0 % of the time in Off mode.			
Geographical representativeness	Europe			
Technological representativeness	Emergency lighting luminair made in compliance with the relevant European standards, with led light source, suitable to be installed in large premises.			
Energy model used	Manufacturing	Installation	Use	End of life
	Energy model used: Italy	Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27

Compulsory indicators

RILUX-T5 IP65 L/300/4PB - OVA39566

Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	3,43E-03	3,42E-03	0*	0*	2,36E-06	0*
Contribution to the soil and water acidification	kg SO ₂ eq	4,25E-01	3,19E-02	9,68E-04	0*	3,91E-01	8,73E-04
Contribution to water eutrophication	kg PO ₄ ³⁻ eq	2,32E-02	7,71E-03	2,23E-04	3,39E-04	1,47E-02	2,40E-04
Contribution to global warming	kg CO ₂ eq	7,56E+01	2,30E+01	2,12E-01	1,79E-01	5,17E+01	4,53E-01
Contribution to ozone layer depletion	kg CFC11 eq	1,46E-05	2,01E-06	0*	0*	1,26E-05	4,98E-08
Contribution to photochemical oxidation	kg C ₂ H ₄ eq	2,50E-02	6,27E-03	6,91E-05	4,28E-05	1,85E-02	1,02E-04
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	2,19E-01	8,32E-02	0*	0*	1,35E-01	7,48E-04
Total Primary Energy	MJ	1,52E+03	4,62E+02	3,00E+00	0*	1,05E+03	8,87E+00




Optional indicators		RILUX-T5 IP65 L/300/4PB - OVA39566						
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	
Contribution to fossil resources depletion	MJ	8,71E+02	3,27E+02	2,98E+00	0*	5,33E+02	7,34E+00	
Contribution to air pollution	m³	6,48E+03	4,21E+03	9,02E+00	8,04E-01	2,22E+03	5,08E+01	
Contribution to water pollution	m³	8,26E+03	6,01E+03	3,49E+01	9,28E+00	2,17E+03	3,27E+01	
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	
Use of secondary material	kg	1,22E-01	1,22E-01	0*	0*	0*	0*	
Total use of renewable primary energy resources	MJ	7,62E+01	1,23E+00	0*	0*	7,50E+01	0*	
Total use of non-renewable primary energy resources	MJ	1,45E+03	4,61E+02	3,00E+00	0*	9,73E+02	8,87E+00	
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	7,57E+01	6,84E-01	0*	0*	7,50E+01	0*	
Use of renewable primary energy resources used as raw material	MJ	5,49E-01	5,49E-01	0*	0*	0*	0*	
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1,41E+03	4,30E+02	3,00E+00	0*	9,73E+02	8,87E+00	
Use of non renewable primary energy resources used as raw material	MJ	3,10E+01	3,10E+01	0*	0*	0*	0*	
Use of non renewable secondary fuels	MJ	0,00E+00	0*	0*	0*	0*	0*	
Use of renewable secondary fuels	MJ	0,00E+00	0*	0*	0*	0*	0*	
Waste categories	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	
Hazardous waste disposed	kg	4,82E+00	2,16E+00	0*	0*	0*	2,66E+00	
Non hazardous waste disposed	kg	1,97E+02	3,05E+00	0*	1,35E-01	1,93E+02	1,14E-01	
Radioactive waste disposed	kg	1,60E-01	2,34E-03	0*	0*	1,58E-01	3,42E-05	
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	
Materials for recycling	kg	1,25E+00	1,23E-01	0*	0*	0*	1,13E+00	
Components for reuse	kg	0,00E+00	0*	0*	0*	0*	0*	
Materials for energy recovery	kg	4,02E-02	1,17E-03	0*	0*	0*	3,90E-02	
Exported Energy	MJ	5,39E-03	0*	0*	5,39E-03	0*	0*	

* represents less than 0.01% of the total life cycle of the reference flow

Life cycle assessment performed with EIME version EIME v5.5, database version 2015-04.

The use phase is the life cycle phase which has the greatest impact on the majority of environmental indicators (based on compulsory indicators).

Please note that the values given above are only valid within the context specified and cannot be used directly to draw up the environmental assessment of an installation.

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		Validity period	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010			
Internal	External X		
The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)			
The elements of the present PEP cannot be compared with elements from another program.			
Document in compliance with ISO 14025 : 2010 « Environmental labels and declarations. Type III environmental declarations »			
			

Schneider Electric Industries SAS

Country Customer Care Center

<http://www2.schneider-electric.com/sites/corporate/en/support/operations/local-operations/local-operations.page>

35, rue Joseph Monier

CS 30323

F- 92506 Rueil Malmaison Cedex

RCS Nanterre 954 503 439

Capital social 896 313 776 €

www.schneider-electric.com

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