Product Environmental Profile

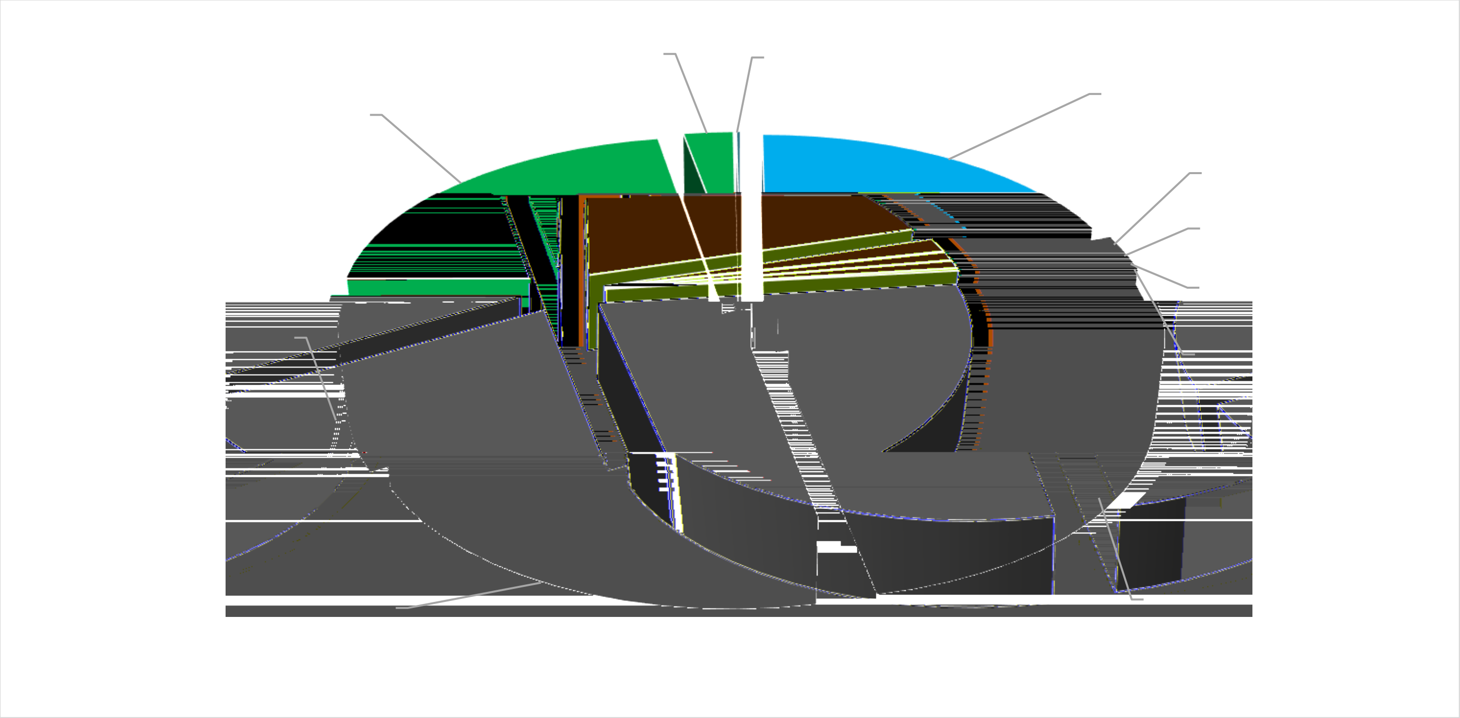
PUSH BUTTON & ROTARY LED UNIVERSAL DIMMER WITH AND W/O BLE CONNECTIVITY

General information

Representative product	PUSH BUTTON & ROTARY LED UNIVERSAL DIMMER WITH AND W/O BLE CONNECTIVITY - NU351418
Description of the product	Universal dimmer to dim different lighting loads (inductive, capacitive, resistive).
Functional unit	Control lighting loads from 14W to 200W over 10 years in an installation, in accordance with the relevant standards.

Constituent materials

Reference product mass	169,7 g	including the product, its packaging and additional elements and accessories



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Substance assessment

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

Manufacturing

Installation

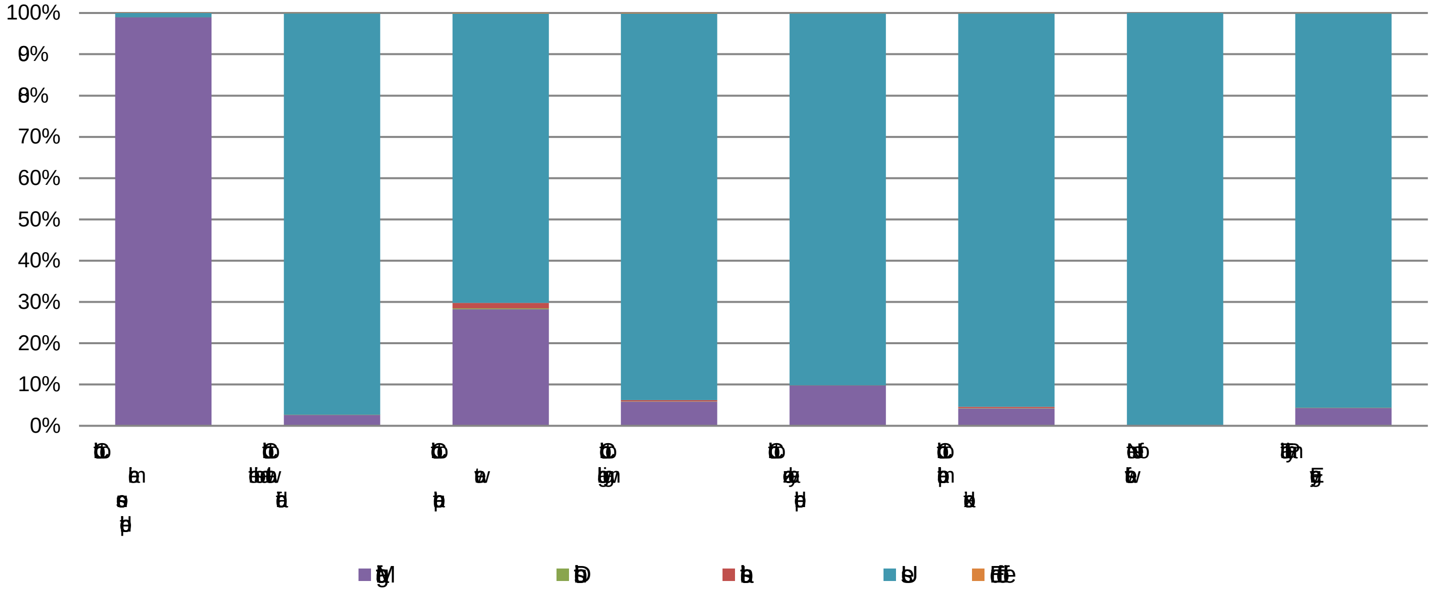
Use

63%

Use t[illegible]

Manufacturing	Installation	Use	End of life
Energy model used: Latvia	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27

	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
	kg Sb eq	2,19E-04	2,17E-04	0*	0*	2,32E-06	0*
	kg SO_2 eq	1,15E-01	2,97E-03	1,00E-04	1,58E-05	1,11E-01	3,44E-05
	kg PO_4^{3-} eq	9,60E-03	2,71E-03	2,30E-05	1,30E-04	6,73E-03	1,25E-05
	kg CO_2 eq	2,85E+01	1,66E+00	2,19E-02	8,40E-02	2,67E+01	3,21E-02
	kg CFC11 eq	1,93E-06	1,89E-07	0*	2,35E-10	1,74E-06	1,24E-09
Contribution to photochemical oxidation	kg C_2H_4 eq	6,42E-03	2,69E-04	7,13E-06	1,96E-05	6,12E-03	3,29E-06
Resources use	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	9,69E+01	1,66E-02	0*	0*	9,69E+01	0*
Total Primary Energy	MJ	5,58E+02	2,40E+01	3,10E-01	0*	5,34E+02	1,60E-01



Optional indicators		PUSH BUTTON & ROTARY LED UNIVERSAL DIMMER WITH AND W/O BLE CONNECTIVITY - NU351418					
Impact indicators	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	3,25E+02	2,15E+01	3,08E-01	4,52E-02	3,03E+02	1,47E-01
Contribution to air pollution	m³	1,50E+03	3,47E+02	9,31E-01	9,73E-01	1,15E+03	1,15E+00
Contribution to water pollution	m³	1,31E+03	1,96E+02	3,60E+00	3,14E+00	1,10E+03	1,79E+00
Resources use	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	7,41E-02	7,41E-02	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	6,95E+01	1,65E+00	0*	0*	6,79E+01	0*
Total use of non-renewable primary energy resources	MJ	4,89E+02	2,23E+01	3,09E-01	0*	4,66E+02	1,60E-01
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	6,93E+01	1,48E+00	0*	0*	6,79E+01	0*
Use of renewable primary energy resources used as raw material	MJ	1,79E-01	1,79E-01	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	4,87E+02	2,07E+01	3,09E-01	0*	4,66E+02	1,60E-01
Use of non renewable primary energy resources used as raw material	MJ	1,67E+00	1,67E+00	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	1,06E+00	8,98E-01	0*	0*	1,39E-02	1,45E-01
Non hazardous waste disposed	kg	1,01E+02	1,01E+00	0*	7,67E-02	9,96E+01	0*
Radioactive waste disposed	kg	6,69E-02	3,50E-04	0*	0*	6,65E-02	0*
Other environmental information	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	7,19E-02	1,18E-02	0*	0*	0*	6,02E-02
Components for reuse	kg	0,00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	7,60E-03	4,19E-04	0*	0*	0*	7,18E-03
Exported Energy	MJ	3,78E-02	1,89E-02	0*	1,89E-02	0*	0*

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

Life cycle assessment performed with EIME version EIME v5.6.0.1, database version 2016-11 in compliance with ISO14044.

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.

Registration number :	SCHN-00250-V01.01-EN	*Drafting rules*	PCR-ed3-EN-2015 04 02
Verifier accreditation N°	VH08	*Supplemented by*	PSR-0005-ed2-EN-2016 03 29
Date of issue	02/2018	*Information and reference documents*	www.pep-ecopassport.org
		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)

PEP are compliant with XP C08-100-1 :2014

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 »

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