

PRODUCT ENVIRONNEMENTAL PROFILE



theRonda S360-110 DALI UP WH EU

Holder of the declaration

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PEP directed by
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References covered

2080580; 1030540; 1030545; 1030550; 1030551; 1030552; 1030553; 1030555; 1030556;
1030557; 1030558; 1030560; 1030565; 1030600; 1030604; 2010300; 2010304; 2010330;
2010340; 2010344; 2010390; 2010391; 2019300; 2030190; 2039100; 2070105; 2070106;
2070107; 2070108; 2070130; 2070131; 2070132; 2070133; 2070600; 2070601; 2070602;
2070603; 2070605; 2070606; 2070607; 2070608; 2070630; 2070631; 2070632; 2070633;
2079000; 2079001; 2079002; 2079003; 2079500; 2079501; 2079502; 2079503; 2079900;
2079903; 2080020; 2080025; 2080029; 2080030; 2080034; 2080039; 2080040; 2080045;
2080049; 2080090; 2080095; 2080520; 2080525; 2080530; 2080540; 2080545; 2080550;
2080551; 2080552; 2080553; 2080555; 2080556; 2080557; 2080558; 2080560; 2080565;
2080590; 2080591; 2089000; 2089520; 2089550; 2089551; 2089552; 2089553; 2089560

Methodology

This PEP has been produced in compliance with the PCR version PCR-ed4-FR-2021 09 06 and the PSR version PSR-0005-ed3.1-FR-2023 12 08 of the PEP ecopassport program. For more information, visit the program website www.pep-ecopassport.org

Reference product

Identification of the reference product:
2080580

Product category
(PSR-0005-ed3.1-FR-2023 12 08) :
Family: Electrical switchgear and control gear solutions
Sub-family: Motion or presence detectors

Functional unit

Detect a 360 ° presence to Switch on the light, for 10 years

Declared unit

Detect a 360 ° presence to Switch on the light, for 10 years

UD = UF

Technical characteristics

Product service life	10 year(s)
Rate of uptime in on mode	0.2 %
Rate of uptime in standby mode	0.8 %
Detector detection angle	360 °
Power consumption in on mode	0.4 W
Power consumption in standby mode	0.4 W
Detector function	Light switch

Materials and substances

All useful measures have been taken to ensure that the materials used in the composition of the product do not contain substances prohibited by the regulations in force when it was placed on the market. The mass of the reference product is 0.13 kg. The mass of the product packaging is 0.09 kg. The constituent materials are:

Plastics	g	%	Metals	g	%	Others	g	%
PBT	47.67	21.3	Copper	8.42	3.8	Cardboard	79.9	35.7
ABS	24.4	10.9	Steel	0.88	0.4	Electronic components	37.49	16.7
HDPE	5.62	2.5				Paper	10.0	4.5
PA	4.72	2.1				Glass fiber	3.74	1.7
PC	0.22	<0.1				Wire	1.0	0.4
Others	0.0	<0.1						
Total	82.63	36.9	Total	9.30	4.2	Total	132.13	59.0
Total mass of the reference product : 0.22 kg								

The masses indicated correspond to the masses modeled within the framework of the PEP, and may present slight variations with the masses indicated in the technical documentation of the products, due to the assumptions made for the study. These masses do not include the packaging materials of the raw materials, which are modeled according to the recommendations of the PCR-ed4-FR-2021 09 06.

Additional environmental information

Manufacturing	The product is manufactured in a factory in Hungary and then transported to a storage facility in Germany for final delivery. The components come from Europe and China. The entire life cycle was taken into account, including the sourcing of raw materials and packaging (5% of total weight), transport to the production site and transport to the storage facility, the manufacture of parts and components, product assembly, packaging, and waste treatment.
Distribution	The main target market is Europe. As the storage site is located in Germany, the current model includes intra-continental transport in accordance with PEP-PCR-ed4-FR-2021 09 06 rules: • Truck: 3,500 km
Installation	The product does not require any specific installation procedure and its installation does not consume any energy. Transportation and disposal of the product packaging are included in this stage, in accordance with the French scenarios defined by the PSR-0005-ed3.1-FR-2023 12 08 rules.
Use	No use or application of the installed product (B1), no standard repairs (B3, B4), and no refurbishment (B5) is planned for this product. Use of the product does not require water (B7). No maintenance is required (B2). Use of the product results in electricity consumption (B6): $(\text{active\_power} * \text{active\_time} / 100 + \text{standby\_power} * \text{standby\_time} / 100) * \text{ref\_service\_life} * \text{nb\_hours\_per\_year} / 1000 = (0.4 * 20.0 / 100 + 0.4 * 80.0 / 100) * 10.0 * 8760.0 / 1000 = 35.04 \text{ kWh}$
End of life	The end-of-life scenarios for this product were calculated using the Ecosystem database.

Environmental impacts

The environmental impact assessment covers the following stages of the product life cycle: Manufacturing (A1-A3), Distribution (A4), Installation (A5), Use (B1-B7), End of life (C1-C4) and Benefits and burdens across system boundaries (D).

The calculations were carried out with the OpenLCA software version 2.0.2 associated with the Ecoinvent database version 3.91 and the Ecosystem database.

Indicator set : Indicators for PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0

PEP representative of the products covered, installed and marketed in: Europe

Energy models considered for each phase:

Manufacturing (A1 - A3)	Distribution (A4)	Installation (A5)	Use (B1-B7)	End of life (C1-C4)
Hungary	Europe	Europe	Europe	Europe

Environmental impact of the reference product calculated for the functional unit

This environmental declaration has been developed considering the following functional unit: Detect a 360 ° presence to Switch on the light, for 10 years

Mandatory environmental impact indicators

Indicators	Unit	A1-A3	A4	A5	B1-B7*	C1-C4	Total (excluding D)	D
Environment: Global warming potential (total) GWPT	kg CO2 eq	4.70E+00	1.48E-01	9.49E-03	1.29E+01	2.01E-01	1.79E+01	-1.14E-01
Environment: Global warming potential (fossil) GWPF	kg CO2 eq	4.80E+00	1.48E-01	1.87E-03	1.24E+01	2.02E-01	1.75E+01	-1.35E-01
Environment: Global warming potential (biogenic) GWPB	kg CO2 eq	-1.08E-01	1.29E-04	7.61E-03	4.26E-01	-2.56E-04	3.26E-01	2.10E-02
Environment: Global warming potential (land use) GWPL	kg CO2 eq	9.40E-03	7.17E-05	8.91E-07	3.09E-02	0	4.04E-02	0
Environment: Ozone depletion potential ODP	kg CFC-11 eq	2.34E-07	3.21E-09	4.33E-11	2.36E-07	1.37E-08	4.87E-07	-1.17E-08
Environment: Acidification potential AP	mol H+ eq	0	0	0	7.11E-02	1.90E-03	1.36E-01	-9.49E-03
Environment: Eutrophication potential (freshwater) EPF	kg P eq	6.14E-03	1.03E-05	1.44E-07	1.17E-02	3.17E-09	1.79E-02	9.38E-26
Environment: Eutrophication potential (marine) EPM	kg N eq	7.20E-03	1.66E-04	3.59E-06	1.15E-02	1.34E-06	1.89E-02	-1.47E-05

Indicators	Unit	A1-A3	A4	A5	B1-B7*	C1-C4	Total (excluding D)	D
Environment: Eutrophication potential (terrestrial) EPT	mol N eq	8.06E-02	1.75E-03	2.66E-05	1.04E-01	1.80E-04	1.87E-01	-2.15E-03
Environment: Photochemical ozone creation potential POCP	kg NMVOC eq	2.57E-02	7.19E-04	1.02E-05	3.34E-02	1.56E-04	6.00E-02	-7.88E-04
Environment: Abiotic depletion potential (elements) ADPE	kg Sb eq	1.15E-03	4.85E-07	6.01E-09	1.51E-04	1.55E-09	1.31E-03	-2.04E-04
Environment: Abiotic depletion potential (fossils) ADPF	MJ (net calorific)	6.92E+01	2.11E+00	2.59E-02	2.87E+02	0	3.58E+02	0
Environment: Water deprivation potential WDP	m3 world eq	2.08E+00	1.03E-02	4.34E-04	7.12E+00	0	9.21E+00	0

*The detailed results of the module B can be found in the tables located at this end of this section.

Optional environmental impact indicators

Indicators	Unit	A1-A3	A4	A5	B1-B7*	C1-C4	Total (excluding D)	D
Environment: Particulate matter formation PMF	disease incidence	3.13E-07	1.18E-08	1.49E-10	2.61E-07	7.59E-09	5.94E-07	-2.37E-08
Environment: Ionising radiation (human health) IRH	kBq U235 eq	5.43E-01	2.80E-03	3.53E-05	7.95E+00	6.81E-03	8.50E+00	-5.54E-03
Environment: Ecotoxicity potential (freshwater) ETPF	CTUe	1.21E+02	1.03E+00	2.08E-02	4.74E+01	1.29E-01	1.69E+02	-1.72E+00
Environment: Human toxicity (carcinogenic) HTC	CTUh	4.58E-09	6.73E-11	1.20E-12	6.20E-09	1.23E-10	1.10E-08	-1.00E-09
Environment: Human toxicity (non-carcinogenic) HTNC	CTUh	1.79E-07	1.49E-09	3.39E-11	2.49E-07	1.42E-08	4.43E-07	-1.06E-07
Environment: Land use and land use change LULUC	dimensionless	3.37E+01	1.25E+00	1.58E-02	5.49E+01	8.59E-02	9.00E+01	-1.11E+00

*The detailed results of the module B can be found in the tables located at this end of this section.

Resource utilization indicators

Indicators	Unit	A1-A3	A4	A5	B1-B7*	C1-C4	Total (excluding D)	D
Primary energy: Renewable (energy use) PERE	MJ (PERE)	9.19E+00	3.25E-02	4.27E-04	6.32E+01	0	7.25E+01	-1.57E-02
Primary energy: Renewable (material use) PERM	MJ (PERM)	0	0	0	0	0	0.00E+00	0
Primary energy: Renewable (total) PERT	MJ (PERT)	9.19E+00	3.25E-02	4.27E-04	6.32E+01	0	7.25E+01	-1.57E-02
Primary energy: Non-renewable (energy use) PENRE	MJ (PENRE)	6.65E+01	1.93E+00	2.37E-02	2.83E+02	3.57E-01	3.52E+02	-1.81E-01
Primary energy: Non-renewable (material use) PENRM	MJ (PENRM)	2.69E+00	1.83E-01	2.20E-03	4.12E+00	0	7.00E+00	0
Primary energy: Non-renewable (total) PENRT	MJ (PENRT)	6.92E+01	2.11E+00	2.59E-02	2.87E+02	3.57E-01	3.59E+02	-1.81E-01
Resource: Secondary materials SM	kg (SM)	2.03E-01	2.28E-03	3.04E-05	3.70E+00	0	3.90E+00	0
Resource: Renewable secondary fuels RSF	MJ (RSF)	7.77E-02	6.16E-04	7.49E-06	2.15E+00	0	2.22E+00	0
Resource: Non-renewable secondary fuels NRSF	MJ (NRSF)	1.86E-01	1.21E-03	1.53E-05	2.13E+00	0	2.32E+00	0
Resource: Net use of fresh water FW	m3 (FW)	4.62E-02	2.52E-04	8.37E-06	2.28E-01	8.59E-01	1.13E+00	-1.74E+00

*The detailed results of the module B can be found in the tables located at this end of this section.

Waste category indicators

Indicators	Unit	A1-A3	A4	A5	B1-B7*	C1-C4	Total (excluding D)	D
Hazardous waste disposed HWD	kg (HWD)	2.86E-01	1.95E-03	1.07E-04	2.81E-01	-3.55E-01	2.14E-01	3.47E-02
Non-hazardous waste disposed NHWD	kg (NHWD)	2.47E-01	1.00E-01	4.86E-03	8.72E-01	-3.56E-01	8.69E-01	3.61E-02
Radioactive waste disposed RWD	kg (RWD)	1.34E-04	6.80E-07	8.59E-09	2.04E-03	-9.17E-06	2.16E-03	5.54E-06

*The detailed results of the module B can be found in the tables located at this end of this section.

Output flow indicators

Indicators	Unit	A1-A3	A4	A5	B1-B7*	C1-C4	Total (excluding D)	D
Output: Components for reuse CRU	kg (CRU)	0	0	0	0	0	0	0
Output: Materials for recycling MFR	kg (MFR)	4.57E-01	2.07E-03	2.60E-05	3.59E+00	0	4.05E+00	0
Output: Materials for energy recovery MER	kg (MER)	0	0	0	0	0	0	0
Output: Exported energy (electrical) EEE	MJ (EEE)	0	0	0	0	0	0	0
Output: Exported energy (thermal) EET	MJ (EET)	0	0	0	0	0	0	0

*The detailed results of the module B can be found in the tables located at this end of this section.

Biogenic Carbon Inventory Flow

Indicators	Unit	Total
Biogenic carbon content of the product	kg of C	0
Biogenic Carbon content of associated packaging	kg of C	7.61E-02

Indicators calculated based on the following values :

Wood : 39.5% (EN16485). Paper : 37.8% (APSESA/RECORD) and Cardboard : 28% (ADEME)

Detailed Module B

Indicators	Unit	B1	B2	B3	B4	B5	B6	B7	Total module B
Environment: Global warming potential (total) GWPT	kg CO2 eq	0	0	0	0	0	1.29E+01	0	1.29E+01
Environment: Global warming potential (fossil) GWPF	kg CO2 eq	0	0	0	0	0	1.24E+01	0	1.24E+01
Environment: Global warming potential (biogenic) GWPB	kg CO2 eq	0	0	0	0	0	4.26E-01	0	4.26E-01
Environment: Global warming potential (land use) GWPL	kg CO2 eq	0	0	0	0	0	3.09E-02	0	3.09E-02
Environment: Ozone depletion potential ODP	kg CFC-11 eq	0	0	0	0	0	2.36E-07	0	2.36E-07

Indicators	Unit	B1	B2	B3	B4	B5	B6	B7	Total module B
Environment: Acidification potential AP	mol H+ eq	0	0	0	0	0	7.11E-02	0	7.11E-02
Environment: Eutrophication potential (freshwater) EPF	kg P eq	0	0	0	0	0	1.17E-02	0	1.17E-02
Environment: Eutrophication potential (marine) EPM	kg N eq	0	0	0	0	0	1.15E-02	0	1.15E-02
Environment: Eutrophication potential (terrestrial) EPT	mol N eq	0	0	0	0	0	1.04E-01	0	1.04E-01
Environment: Photochemical ozone creation potential POCP	kg NMVOC eq	0	0	0	0	0	3.34E-02	0	3.34E-02
Environment: Abiotic depletion potential (elements) ADPE	kg Sb eq	0	0	0	0	0	1.51E-04	0	1.51E-04
Environment: Abiotic depletion potential (fossils) ADPF	MJ (net calorific)	0	0	0	0	0	2.87E+02	0	2.87E+02
Environment: Water deprivation potential WDP	m3 world eq	0	0	0	0	0	7.12E+00	0	7.12E+00
Environment: Particulate matter formation PMF	disease incidence	0	0	0	0	0	2.61E-07	0	2.61E-07
Environment: Ionising radiation (human health) IRH	kBq U235 eq	0	0	0	0	0	7.95E+00	0	7.95E+00
Environment: Ecotoxicity potential (freshwater) ETPF	CTUe	0	0	0	0	0	4.74E+01	0	4.74E+01
Environment: Human toxicity (carcinogenic) HTC	CTUh	0	0	0	0	0	6.20E-09	0	6.20E-09
Environment: Human toxicity (non-carcinogenic) HTNC	CTUh	0	0	0	0	0	2.49E-07	0	2.49E-07
Environment: Land use and land use change LULUC	dimensionless	0	0	0	0	0	5.49E+01	0	5.49E+01
Primary energy: Renewable (energy use) PERE	MJ (PERE)	0	0	0	0	0	6.32E+01	0	6.32E+01
Primary energy: Renewable (material use) PERM	MJ (PERM)	0	0	0	0	0	0	0	0
Primary energy: Renewable (total) PERT	MJ (PERT)	0	0	0	0	0	6.32E+01	0	6.32E+01
Primary energy: Non-renewable (energy use) PENRE	MJ (PENRE)	0	0	0	0	0	2.83E+02	0	2.83E+02
Primary energy: Non-renewable (material use) PENRM	MJ (PENRM)	0	0	0	0	0	4.12E+00	0	4.12E+00
Primary energy: Non-renewable (total) PENRT	MJ (PENRT)	0	0	0	0	0	2.87E+02	0	2.87E+02
Resource: Secondary materials SM	kg (SM)	0	0	0	0	0	3.70E+00	0	3.70E+00
Resource: Renewable secondary fuels RSF	MJ (RSF)	0	0	0	0	0	2.15E+00	0	2.15E+00
Resource: Non-renewable secondary fuels NRSF	MJ (NRSF)	0	0	0	0	0	2.13E+00	0	2.13E+00
Resource: Net use of fresh water FW	m3 (FW)	0	0	0	0	0	2.28E-01	0	2.28E-01
Hazardous waste disposed HWD	kg (HWD)	0	0	0	0	0	2.81E-01	0	2.81E-01

Indicators	Unit	B1	B2	B3	B4	B5	B6	B7	Total module B
Non-hazardous waste disposed NHWD	kg (NHWD)	0	0	0	0	0	8.72E-01	0	8.72E-01
Radioactive waste disposed RWD	kg (RWD)	0	0	0	0	0	2.04E-03	0	2.04E-03
Output: Components for reuse CRU	kg (CRU)	0	0	0	0	0	0	0	0
Output: Materials for recycling MFR	kg (MFR)	0	0	0	0	0	3.59E+00	0	3.59E+00
Output: Materials for energy recovery MER	kg (MER)	0	0	0	0	0	0	0	0
Output: Exported energy (electrical) EEE	MJ (EEE)	0	0	0	0	0	0	0	0
Output: Exported energy (thermal) EET	MJ (EET)	0	0	0	0	0	0	0	0

Homogeneous environmental family and extrapolated factors

	Product designation	Commercial reference
MOVA	theMova S360-100 FLAT DE WH	1030540
	theMova S360-101 FLAT DE WH	1030545
	theMova S360-100 AP WH	1030550
	theMova S360-100 AP GR	1030551
	theMova S360-100 AP BK	1030552
	theMova S360-100 AP SF	1030553
	theMova S360-101 AP WH	1030555
	theMova S360-101 AP GR	1030556
	theMova S360-101 AP BK	1030557
	theMova S360-101 AP SF	1030558
	theMova S360-100 DE WH	1030560
	theMova S360-101 DE WH	1030565
	theMova P360-100 UP WH	1030600
	theMova P360-100	1030604
PASSA	thePassa P360-101 UP BLANC	2010300
	thePassa P360-101 UP	2010304
	thePassa P360 Slave UP WH	2010330
	thePassa P360-221 DALI UP WH	2010340
	thePassa P360-221 DALI	2010344
	thePassa P360 DALI-2 S UP WH	2010390
	thePassa P360 DALI-2 S	2010391
	thePassa P360 KNX UP blanc	2019300
PLANO SPOT	PlanoSpot 360 DALI-2 S DE WH	2030190
	PlanoSpot 360 KNX BLANC	2039100
PREMA	thePrema P360-101 E UP WH	2070105
	thePrema P360-101 E UP GR	2070106
	thePrema P360-101 E UP BK	2070107
	thePrema P360-101 E UP SF	2070108
	thePrema P360 Slave E UP WH	2070130
	thePrema P360 Slave E UP GR	2070131
	thePrema P360 Slave E UP BK	2070132
	thePrema P360 Slave E UP SF	2070133
	thePrema S360-100 E UP WH	2070600
	thePrema S360-100 E UP GR	2070601
	thePrema S360-100 E UP BK	2070602
	thePrema S360-100 E UP SF	2070603
	thePrema S360-101 E UP WH	2070605
	thePrema S360-101 E UP GR	2070606
	thePrema S360-101 E UP BK	2070607
	thePrema S360-101 E UP SF	2070608
	thePrema S360 Slave E UP WH	2070630
	thePrema S360 Slave E UP GR	2070631
	thePrema S360 Slave E UP BK	2070632
	thePrema S360 Slave E UP SF	2070633
PREMA	thePrema P360 KNX UP WH	2079000
	thePrema P360 KNX UP GR	2079001
	thePrema P360 KNX UP BK	2079002
	thePrema P360 KNX UP SF	2079003
	thePrema S360 KNX UP WH	2079500
	thePrema S360 KNX UP GR	2079501
	thePrema S360 KNX UP BK	2079502
	thePrema S360 KNX UP SF	2079503
	thePrema P360 KNX AP Multi WH	2079900
	thePrema P360 KNX AP Multi SF	2079903
RONDA	theRonda S360-110 DALI UP WH	2080580*
	theRonda P360-100 M UP WH	2080020

RONDA	Product designation	Commercial reference
	theRonda P360-101 M UP WH	2080025
	theRonda P360-101	2080029
	theRonda P360 SLAVE UP WH	2080030
	theRonda P360 Slave	2080034
	theRonda P360-330 DALI	2080039
	theRonda P360-110 DALI UP WH	2080040
	theRonda P360-330 DALI-UP WH	2080045
	theRonda P360-330 DALI	2080049
	theRonda P360 DALI-2 S UP WH	2080090
	theRonda P360 DALI-2 HCL UP WH	2080095
	theRonda S360-100 UP WH	2080520
	theRonda S360-101 UP WH	2080525
	theRonda S360 SLAVE UP WH	2080530
	theRonda S360-100 FLAT DE WH	2080540
	theRonda S360-101 FLAT DE WH	2080545
	theRonda S360-100 AP WH	2080550
	theRonda S360-100 AP GR	2080551
	theRonda S360-100 AP BK	2080552
	theRonda S360-100 AP SF	2080553
	theRonda S360-101 AP WH	2080555
	theRonda S360-101 AP GR	2080556
	theRonda S360-101 AP BK	2080557
	theRonda S360-101 AP SF	2080558
	theRonda S360-100 DE WH	2080560
	theRonda S360-101 DE WH	2080565
	theRonda S360 DALI-2 S UP WH	2080590
	theRonda S360 DALI-2 S	2080591
	theRonda P360 KNX UP WH	2089000
	theRonda S360 KNX UP WH	2089520
	theRonda S360 KNX AP WH	2089550
	theRonda S360 KNX AP GR	2089551
	theRonda S360 KNX AP BK	2089552
	theRonda S360 KNX AP SF	2089553
	theRonda S360 KNX FLAT DE WH	2089560

Extrapolated factors for the homogeneous family

To calculate the environmental impacts at the level of the declared unit of the products covered by this EPP, please multiply the environmental impacts of the reference product by the extrapolation factor for each phase

The extrapolation factors were calculated according to the following rules:

- Manufacturing, distribution, end-of-life phases, and Module D: based on the weight of the products and packaging
- Use phase: B6: Ratio of consumption of the covered product to the reference product

Characteristics of the references covered

Reference	Product weight (g)	Packaging weight (g)	Energy consumption operating (W)	Energy consumption standby (W)	Duration operating (%)	Duration standby(%)
Reference product						
2080580	130	76	0.4	0.4	20	80
Covered products						
1030540	102	56	0.5	0.5	20	80
1030545	135	75	0.5	0.5	20	80
1030550	137	73	0.5	0.5	20	80
1030551	137	73	0.5	0.5	20	80
1030552	136	73	0.5	0.5	20	80
1030553	135	75	0.5	0.5	20	80
1030555	141	76	0.5	0.5	20	80
1030556	143	75	0.5	0.5	20	80
1030557	143	75	0.5	0.5	20	80
1030558	141	76	0.5	0.5	20	80
1030560	99	61	0.5	0.5	20	80
1030565	103	58	0.5	0.5	20	80
1030600	144	78	0.15	0.15	20	80
1030604	143	77	0.15	0.15	20	80
2010300	152	76	0.1	0.1	20	80
2010304	156	72	0.1	0.1	20	80
2010330	128	77	0.1	0.1	20	80
2010340	135	76	0.4	0.4	20	80
2010344	140	88	0.4	0.4	20	80
2010390	117	67	0.2	0.2	20	80
2010391	118	75	0.2	0.2	20	80
2019300	105	75	0.3	0.3	20	80
2030190	97	55	0.2	0.2	20	80
2039100	97	58	0.1	0.1	20	80
2070105	169	74	0.1	0.1	20	80
2070106	164	74	0.1	0.1	20	80
2070107	164	80	0.1	0.1	20	80
2070108	164	80	0.1	0.1	20	80
2070130	139	79	0.1	0.1	20	80
2070131	140	74	0.1	0.1	20	80
2070132	140	74	0.1	0.1	20	80
2070133	140	74	0.1	0.1	20	80
2070600	154	74	0.1	0.1	20	80
2070601	151	74	0.1	0.1	20	80
2070602	151	74	0.1	0.1	20	80
2070603	151	74	0.1	0.1	20	80
2070605	162	73	0.1	0.1	20	80
2070606	159	74	0.1	0.1	20	80
2070607	159	74	0.1	0.1	20	80

Reference	Product weight (g)	Packaging weight (g)	Energy consumption operating (W)	Energy consumption standby (W)	Duration operating (%)	Duration standby(%)
2070608	159	74	0.1	0.1	20	80
2070630	133	78	0.1	0.1	20	80
2070631	134	73	0.1	0.1	20	80
2070632	134	73	0.1	0.1	20	80
2070633	134	73	0.1	0.1	20	80
2079000	102	80	0.3	0.3	20	80
2079001	103	76	0.3	0.3	20	80
2079002	108	77	0.3	0.3	20	80
2079003	108	74	0.3	0.3	20	80
2079500	96	86	0.3	0.3	20	80
2079501	96	75	0.3	0.3	20	80
2079502	96	75	0.3	0.3	20	80
2079503	103	74	0.3	0.3	20	80
2079900	214	266	0.7	0.7	20	80
2079903	243	357	0.7	0.7	20	80
2080020	144	77	0.15	0.15	20	80
2080025	152	73	0.15	0.15	20	80
2080029	152	73	0.15	0.15	20	80
2080030	152	73	0.15	0.15	20	80
2080034	130	73	0.15	0.15	20	80
2080039	364	135	0.4	0.4	20	80
2080040	135	76	0.4	0.4	20	80
2080045	137	76	0.4	0.4	20	80
2080049	140	77	0.4	0.4	20	80
2080090	117	76	0.2	0.2	20	80
2080095	135	74	0.7	0.7	20	80
2080520	137	76	0.1	0.1	20	80
2080525	143	75	0.1	0.1	20	80
2080530	128	76	0.1	0.1	20	80
2080540	101	57	0.5	0.5	20	80
2080545	106	57	0.5	0.5	20	80
2080550	134	91.1	0.5	0.5	20	80
2080551	137	73	0.5	0.5	20	80
2080552	137	73	0.5	0.5	20	80
2080553	134	91.1	0.5	0.5	20	80
2080555	142	83.1	0.5	0.5	20	80
2080556	142	75	0.5	0.5	20	80
2080557	143	75	0.5	0.5	20	80
2080558	134	91.1	0.5	0.5	20	80
2080560	97	60	0.5	0.5	20	80
2080565	103	59	0.5	0.5	20	80
2080590	117	76	0.2	0.2	20	80
2080591	110	75	0.2	0.2	20	80
2089000	124	78	0.3	0.3	20	80
2089520	124	78	0.3	0.3	20	80
2089550	105	75	0.3	0.3	20	80
2089551	105	75	0.3	0.3	20	80

Reference	Product weight (g)	Packaging weight (g)	Energy consumption operating (W)	Energy consumption standby (W)	Duration operating (%)	Duration standby(%)
2089552	105	75	0.3	0.3	20	80
2089553	105	75	0.3	0.3	20	80
2089560	64.8	57.2	0.3	0.3	20	80

Extrapolation factors for covered references

Reference	Manufacturing (A1-A3)	Distribution (A4)	Installation (A5)	Use (B1-B7)	End of life (C1-C4)	Module D
Reference product						
2080580	1	1	1	1	1	1
Covered references						
1030540	0.77	0.77	0.74	1.25	0.78	0.77
1030545	1.02	1.02	0.99	1.25	1.04	1.02
1030550	1.02	1.02	0.96	1.25	1.05	1.02
1030551	1.02	1.02	0.96	1.25	1.05	1.02
1030552	1.01	1.01	0.96	1.25	1.05	1.01
1030553	1.02	1.02	0.99	1.25	1.04	1.02
1030555	1.05	1.05	1.00	1.25	1.08	1.05
1030556	1.06	1.06	0.99	1.25	1.10	1.06
1030557	1.06	1.06	0.99	1.25	1.10	1.06
1030558	1.05	1.05	1.00	1.25	1.08	1.05
1030560	0.78	0.78	0.80	1.25	0.76	0.78
1030565	0.78	0.78	0.76	1.25	0.79	0.78
1030600	1.08	1.08	1.03	0.38	1.11	1.08
1030604	1.07	1.07	1.01	0.38	1.10	1.07
2010300	1.11	1.11	1.00	0.25	1.17	1.11
2010304	1.11	1.11	0.95	0.25	1.20	1.11
2010330	1.00	1.00	1.01	0.25	0.98	1.00
2010340	1.02	1.02	1.00	1.00	1.04	1.02
2010344	1.11	1.11	1.16	1.00	1.08	1.11
2010390	0.89	0.89	0.88	0.50	0.90	0.89
2010391	0.94	0.94	0.99	0.50	0.91	0.94
2019300	0.87	0.87	0.99	0.75	0.81	0.87
2030190	0.74	0.74	0.72	0.50	0.75	0.74
2039100	0.75	0.75	0.76	0.25	0.75	0.75
2070105	1.18	1.18	0.97	0.25	1.30	1.18
2070106	1.16	1.16	0.97	0.25	1.26	1.16
2070107	1.18	1.18	1.05	0.25	1.26	1.18
2070108	1.18	1.18	1.05	0.25	1.26	1.18
2070130	1.06	1.06	1.04	0.25	1.07	1.06
2070131	1.04	1.04	0.97	0.25	1.08	1.04
2070132	1.04	1.04	0.97	0.25	1.08	1.04
2070133	1.04	1.04	0.97	0.25	1.08	1.04
2070600	1.11	1.11	0.97	0.25	1.18	1.11
2070601	1.09	1.09	0.97	0.25	1.16	1.09

Reference	Manufacturing (A1-A3)	Distribution (A4)	Installation (A5)	Use (B1-B7)	End of life (C1-C4)	Module D
2070602	1.09	1.09	0.97	0.25	1.16	1.09
2070603	1.09	1.09	0.97	0.25	1.16	1.09
2070605	1.14	1.14	0.96	0.25	1.25	1.14
2070606	1.13	1.13	0.97	0.25	1.22	1.13
2070607	1.13	1.13	0.97	0.25	1.22	1.13
2070608	1.13	1.13	0.97	0.25	1.22	1.13
2070630	1.02	1.02	1.03	0.25	1.02	1.02
2070631	1.00	1.00	0.96	0.25	1.03	1.00
2070632	1.00	1.00	0.96	0.25	1.03	1.00
2070633	1.00	1.00	0.96	0.25	1.03	1.00
2079000	0.88	0.88	1.05	0.75	0.78	0.88
2079001	0.87	0.87	1.00	0.75	0.79	0.87
2079002	0.90	0.90	1.01	0.75	0.83	0.90
2079003	0.88	0.88	0.97	0.75	0.83	0.88
2079500	0.88	0.88	1.13	0.75	0.74	0.88
2079501	0.83	0.83	0.99	0.75	0.74	0.83
2079502	0.83	0.83	0.99	0.75	0.74	0.83
2079503	0.86	0.86	0.97	0.75	0.79	0.86
2079900	2.33	2.33	3.50	1.75	1.65	2.33
2079903	2.91	2.91	4.70	1.75	1.87	2.91
2080020	1.07	1.07	1.01	0.38	1.11	1.07
2080025	1.09	1.09	0.96	0.38	1.17	1.09
2080029	1.09	1.09	0.96	0.38	1.17	1.09
2080030	1.09	1.09	0.96	0.38	1.17	1.09
2080034	0.99	0.99	0.96	0.38	1.00	0.99
2080039	2.42	2.42	1.78	1.00	2.80	2.42
2080040	1.02	1.02	1.00	1.00	1.04	1.02
2080045	1.03	1.03	1.00	1.00	1.05	1.03
2080049	1.05	1.05	1.01	1.00	1.08	1.05
2080090	0.94	0.94	1.00	0.50	0.90	0.94
2080095	1.01	1.01	0.97	1.75	1.04	1.01
2080520	1.03	1.03	1.00	0.25	1.05	1.03
2080525	1.06	1.06	0.99	0.25	1.10	1.06
2080530	0.99	0.99	1.00	0.25	0.98	0.99
2080540	0.77	0.77	0.75	1.25	0.78	0.77
2080545	0.79	0.79	0.75	1.25	0.82	0.79
2080550	1.09	1.09	1.20	1.25	1.03	1.09
2080551	1.02	1.02	0.96	1.25	1.05	1.02
2080552	1.02	1.02	0.96	1.25	1.05	1.02
2080553	1.09	1.09	1.20	1.25	1.03	1.09
2080555	1.09	1.09	1.09	1.25	1.09	1.09
2080556	1.05	1.05	0.99	1.25	1.09	1.05
2080557	1.06	1.06	0.99	1.25	1.10	1.06
2080558	1.09	1.09	1.20	1.25	1.03	1.09
2080560	0.76	0.76	0.79	1.25	0.75	0.76
2080565	0.79	0.79	0.78	1.25	0.79	0.79
2080590	0.94	0.94	1.00	0.50	0.90	0.94

Reference	Manufacturing (A1-A3)	Distribution (A4)	Installation (A5)	Use (B1-B7)	End of life (C1-C4)	Module D
2080591	0.90	0.90	0.99	0.50	0.85	0.90
2089000	0.98	0.98	1.03	0.75	0.95	0.98
2089520	0.98	0.98	1.03	0.75	0.95	0.98
2089550	0.87	0.87	0.99	0.75	0.81	0.87
2089551	0.87	0.87	0.99	0.75	0.81	0.87
2089552	0.87	0.87	0.99	0.75	0.81	0.87
2089553	0.87	0.87	0.99	0.75	0.81	0.87
2089560	0.59	0.59	0.75	0.75	0.50	0.59

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