

Product Environmental Profile of luminaires for outdoor lighting - Agorà Slim family

Reference product: UI11



Registration number	IGUZ-00020-V01.01-EN	Drafting rules	PCR-ed4-EN-2021 09 06
		Supplemented by	PSR-0014-ed2.0-EN2023 07 13
Verifier accreditation number	VH50	Information and reference documents	www.pep-ecopassport.org
Date of issue	09-2024	Validity period	5 years

Independent verification of the declaration and data, in compliance with ISO 14025: 2006

Internal		External	x
----------	--	----------	---

The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain)

PEP are compliant with NF C08-100-1:2016 or EN 50693:2019

The elements of the present PEP cannot be compared with elements from another program.

Document in compliance with ISO 14025 : 2006 « Environmental labels and declarations. Type III environmental declarations»



General information

Company information:

iGuzzini illuminazione S.p.A via Mariano Guzzini, 37 62019, Recanati, Italy

Web Site available at: <https://www.iguzzini.com/it/>

Legal contact: Cristiano Venturini (info.hq@iguzzini.com)

Reference product:

“Agorà Slim UI11”

The assessed product range covers outdoor lighting luminaires from the “Agorà Slim” family. The luminaires are used for professional lighting of outdoor environments, mainly used for external city spaces.

The main technical features of the reference product UI11 are described in the table below.

Characteristics	Unit	UI11
Product code	-	UI11
Light source	-	Integrated LED module
Power supply	-	INVENTRONICS OT 150
Color temperature	K	4.000
Protection index for water and dust (IP)	-	IP66
Impact resistance index (IK)	-	IK08
Nominal operating voltage	V	220-240
Assigned lifetime	Hours	100.000
Declaration lifetime of the LED module	Hours	100.000
Useful output flux	Lumen	10.465
Electrical power	W	100,6
Luminous efficiency	Lumen/W	104,3
Dimension	mm	ø313x363

There are no planned component replacements to achieve the lifespan indicated in the table.

Declared unit:

The LCA study was conducted considering the lighting fixture as the declared unit. The results of the analysis were then converted to the functional unit according to the indications provided in paragraph "Functional Unit".

So, the declared unit is defined as "A luminaire providing an outgoing luminous flux of 10.465 lumens during a reference lifetime of 11,4 years" (100.000 hours).

Functional unit:

"Provide lighting that delivers an outgoing artificial luminous flux of 1.000 lumens during a reference lifetime of 35.000 hours".

As indicated in the "declared unit" paragraph, the results of the LCA analysis, conducted at the product level, have been converted to the functional unit level by multiplying them by the following factor:

(1.000/outgoing luminous flux of the analyzed product in lumens) x (35.000/declared product lifetime of the analyzed product in hours):

$$(1.000/10.465) \times (35.000/100.000) = 0,033$$

Homogeneous environmental family:

The reference product represents the Agorà Slim luminaires family, which differs in terms of size, power, and useful output flux (lumen).

The range of variations for the products in the same family is the following:

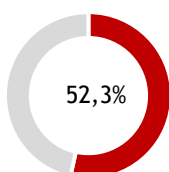
Agorà Slim	Unit	Value for the reference product	Minimum value in product range	Maximum value in product range
Electrical power	W	100,6	33,4	268,6
Useful output flux	Lumen	10.465	1.800	30.184
Weight	kg	8,0	5,3	13,8

The present PEP declaration is valid for all the products in the described homogenous environmental family. The spreadsheet provided as annex shall be used by the PEP user to extrapolate the impact of the other products from the Agorà Slim family, based on the technical parameters of the considered product, as requested by the PSR.



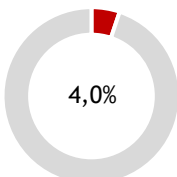
Constituent materials

METALS



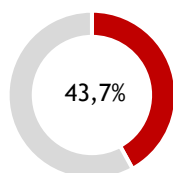
	kg	%
Aluminum	3,695	38,3
Steel	1,351	14,0

PLASTICS



Polymethyl methacrylate (PMMA)	0,229	2,4
Polycarbonate (PC)	0,150	1,3
Silicon	0,026	0,3
Polytetrafluoroethylene (PTFE)	0,003	<0,01
Polyester (PL)	0,002	<0,01
Polyvinyl chloride (PVC)	<0,001	<0,01

OTHER MATERIALS



Electronical components	1,433	14,9
Glass	0,810	8,4
Chemicals	0,249	2,6
Paper	0,059	0,6
Cardboard - Packaging	1,224	12,7
Plastic (LDPE, HDPE,PVC,PP) - Packaging	0,133	1,4
Wood - Packaging	0,300	3,1

Total reference product	7,986	82,8
Total packaging	1,657	17,2
TOTAL	9,643	100%

The list above includes also materials with a certain amount of recycled content, in order to reduce the impacts linked to the production of virgin materials. In particular:

- The housing is made of diecast aluminum with a recycle content equal to 92,5%;
- The cardboard box of packaging is made of 80% of recycled content;
- The pallet used for shipment is reused.



Manufacture

The product components are manufactured or assembled by iGuzzini S.p.A. in Recanati (Italy) manufacturing site. Once the raw materials and semi-finished products reach the Recanati plant, the manufacturing phase begins. It takes place in four different departments: the REIN department, dedicated to lens molding; the REMEC department, the mechanical workshop; the REVER department, where the products are painted; and the REAS department, where the components of the analyzed products are assembled.

iGuzzini applies an environmental management system, certified according to ISO 14001:2015 and an energy management system certified according to ISO 50001:2018 (the certificates are available at: <https://www.iguzzini.com/it/certificazioni/>).

Since 2022 iGuzzini plant of Recanati passed to 100% green energy procurement verified and certified by GO (origin guarantee certificates), Furthermore, the Recanati plant has a photovoltaic system capable of meeting 21% of the plant's electricity consumption.



Distribution

There is no hub for the distribution. Products leaving the production site in Recanati (MC), Italy, are delivered directly to the final clients. The distribution of the final destinations is the following:

Destination	Share (%)	Type transport considered
Italy	26%	Local
Spain	21%	Intercontinental
Emirates	18%	Intracontinental
Germany	11%	Intercontinental
Australia	8%	Intracontinental
Sweden	5%	Intercontinental
New York	5%	Intracontinental
France	4%	Intercontinental
England	2%	Intercontinental



Installation

The luminaires are provided to the client with the power supply, the fixing elements and the assembly elements, fittings and other electrical connectors needed for installation. Therefore, the installation of the luminaire does not require additional components and the product is easily installed using manual tools. In this phase the end of life (EoL) of the packaging of the final product is considered as well.



Use

Energy efficient light sources (LED lighting) are integrated. The use phase consists of electricity use during the whole lifetime of the product. The assigned lifetime of the luminaire is 100.000 hours, as declared by the manufacturer.

UI11	Applications	Annual operating hours (h)	Operational Lifetime (years)
Operational lifetime of 100.000 hours	Urban	4.000	25
	Area, Square	4.000	25



End of life

The company is affiliated with a WEEE (Waste Electrical and Electronic Equipment) Italian consortium (Ecolight, <https://ecolight.it/>). The product at its end of life is managed as prescribed by the current legislation about EEE waste (Directive 2012/19/EU) and the waste treatment scenarios of the Countries in which the product is distributed. According to the most recent data available, waste treatment scenarios are the following:

Scenario	Recycling	Energy recovery	Incineration	Landfill
Italy	95%	2%	0%	3%
Spain	40%			60%
Emirates	9%	-	-	91%
Germany	58%	-	-	42%
Australia	43%	-	-	57%
Sweden	58%	-	-	42%
New York	52%	-	-	48%
France	41%	15%	0%	44%
England	42%	-	-	58%

The end of life scenarios are made with the following assumptions:

- In Italian scenario the transport to the end of life is assumed to be 100 km and the treatment of waste is based on Ecolight statistics;
- In French scenario the transport to the end of life is assumed to be 1000 km and the treatment of waste is based on PSR statistics;
- In other European and not-Europeans scenarios the transport to the end of life is assumed to be 1000 km and the treatment of waste is based on Global E-Waste Monitor report (2023).



Environmental impacts

The evaluation of environmental impacts examines the manufacturing, distribution, installation, use and end-of-life stages of the Reference Product life cycle.

The environmental impacts assessment of the reference product has been performed using SimaPro 9.5.0.2 software. Background datasets have been retrieved from Ecoinvent 3.9.1 libraries. The impact indicators and impact models used are the ones indicated by the PCR-ed4-EN-2021 09 06. This environmental declaration has been developed considering an outgoing artificial luminous flux of 1,000 lumens over a reference lifetime of 35,000 hours (Functional Unit).

Results of mandatory indicators per F.U. (for 1.000 lumens during 35.000 hours) of UI11 luminaire, reported for life cycle stages:

Impact category	Unit	Total	Manufacturing	Distribution	Installation	Use	EoL	Module D
Climate change	kg CO ₂ eq	1,50E+02	1,50E+00	9,42E-01	8,29E-02	1,47E+02	1,28E-01	1,29E+00
Ozone depletion	kg CFC-11 eq	3,33E-06	5,65E-07	1,47E-08	1,25E-10	2,74E-06	1,67E-09	1,16E-08
Photochemical ozone formation	kg NMVOC eq	3,81E-01	5,85E-03	5,46E-03	2,55E-05	3,70E-01	4,38E-04	4,50E-03
Acidification	mol H ⁺ eq	5,41E-01	1,41E-02	3,99E-03	1,48E-05	5,22E-01	1,07E-03	8,61E-03
Eutrophication, freshwater	kg P eq	8,38E-02	7,22E-04	1,62E-05	2,08E-07	8,31E-02	1,89E-05	3,93E-04
Eutrophication, marine	kg N eq	1,04E-01	1,48E-03	1,61E-03	3,74E-05	1,00E-01	2,00E-04	1,47E-03
Eutrophication, terrestrial	mol N eq	1,00E+00	1,62E-02	1,73E-02	6,07E-05	9,66E-01	1,10E-03	1,51E-02
Water requirement	m ³ depriv.	4,30E+01	5,97E-01	2,31E-02	8,20E-04	4,23E+01	1,32E-02	1,19E-01
Abiotic resource depletion, fossils	MJ	2,56E+03	1,83E+01	1,23E+01	1,82E-02	2,53E+03	1,17E+00	1,14E+01
Abiotic resource depletion, m. and m.	kg Sb eq	1,52E-03	9,88E-05	3,72E-07	4,94E-09	1,42E-03	5,60E-07	-5,13E-06
Climate change - Fossil	kg CO ₂ eq	1,45E+02	1,48E+00	9,42E-01	7,59E-03	1,42E+02	1,22E-01	1,34E+00
Climate change - Biogenic	kg CO ₂ eq	4,98E+00	1,77E-02	2,25E-04	7,53E-02	4,88E+00	5,28E-03	-4,83E-02
Climate change - Land use and LU change	kg CO ₂ eq	2,42E-01	1,39E-03	9,85E-05	7,52E-07	2,40E-01	1,16E-04	2,08E-03

Results of mandatory indicators per unit of product (declared unit, 10.465 lumens during 100.000 hours) of UI11 luminaire, reported for life cycle stages:

Impact category	Unit	Total	Manufacturing	Distribution	Installation	Use	EoL	Module D
Climate change	kg CO ₂ eq	4,54E+03	4,53E+01	2,85E+01	2,51E+00	4,46E+03	3,87E+00	3,92E+01
Ozone depletion	kg CFC-11 eq	1,01E-04	1,71E-05	4,46E-07	3,80E-09	8,31E-05	5,06E-08	3,52E-07
Photochemical ozone formation	kg NMVOC eq	1,16E+01	1,77E-01	1,66E-01	7,73E-04	1,12E+01	1,33E-02	1,36E-01
Acidification	mol H ⁺ eq	1,64E+01	4,27E-01	1,21E-01	4,47E-04	1,58E+01	3,25E-02	2,61E-01
Eutrophication, freshwater	kg P eq	2,54E+00	2,19E-02	4,91E-04	6,30E-06	2,52E+00	5,72E-04	1,19E-02
Eutrophication, marine	kg N eq	3,14E+00	4,50E-02	4,88E-02	1,13E-03	3,04E+00	6,07E-03	4,46E-02
Eutrophication, terrestrial	mol N eq	3,03E+01	4,91E-01	5,23E-01	1,84E-03	2,93E+01	3,34E-02	4,58E-01
Water requirement	m ³ depriv.	1,30E+03	1,81E+01	7,01E-01	2,48E-02	1,28E+03	3,99E-01	3,62E+00
Abiotic resource depletion, fossils	MJ	7,75E+04	5,54E+02	3,73E+02	5,53E-01	7,66E+04	3,54E+01	3,47E+02
Abiotic resource depletion, m. and m.	kg Sb eq	4,61E-02	2,99E-03	1,13E-05	1,50E-07	4,30E-02	1,70E-05	-1,56E-04
Climate change - Fossil	kg CO ₂ eq	4,38E+03	4,48E+01	2,85E+01	2,30E-01	4,30E+03	3,70E+00	4,06E+01
Climate change - Biogenic	kg CO ₂ eq	1,51E+02	5,37E-01	6,82E-03	2,28E+00	1,48E+02	1,60E-01	-1,46E+00
Climate change - Land use and LU change	kg CO ₂ eq	7,33E+00	4,21E-02	2,99E-03	2,28E-05	7,28E+00	3,51E-03	6,30E-02

Results of mandatory indicators per F.U. (for 1.000 lumens during 35.000 hours) of UI11 luminaire, reported for life cycle modules:

Impact category	Unit	Total	Manufacturing			Distribution	Installation	Use	EoL		Module D
			A1	A2	A3	A4	A5	B6	C2	C4	D
Climate change	kg CO ₂ eq	1,50E+02	1,27E+00	3,12E-02	1,93E-01	9,42E-01	8,29E-02	1,47E+02	4,12E-02	8,63E-02	1,29E+00
Ozone depletion	kg CFC-11 eq	3,33E-06	5,57E-07	5,65E-10	7,36E-09	1,47E-08	1,25E-10	2,74E-06	7,62E-10	9,06E-10	1,16E-08
Photochemical ozone formation	kg NMVOC eq	3,81E-01	5,33E-03	1,46E-04	3,79E-04	5,46E-03	2,55E-05	3,70E-01	1,94E-04	2,44E-04	4,50E-03
Acidification	mol H ⁺ eq	5,41E-01	1,38E-02	1,03E-04	2,19E-04	3,99E-03	1,48E-05	5,22E-01	1,36E-04	9,37E-04	8,61E-03
Eutrophication, freshwater	kg P eq	8,38E-02	7,07E-04	2,29E-06	1,26E-05	1,62E-05	2,08E-07	8,31E-02	3,00E-06	1,59E-05	3,93E-04
Eutrophication, marine	kg N eq	1,04E-01	1,38E-03	3,47E-05	6,63E-05	1,61E-03	3,74E-05	1,00E-01	4,57E-05	1,54E-04	1,47E-03
Eutrophication, terrestrial	mol N eq	1,00E+00	1,53E-02	3,67E-04	5,80E-04	1,73E-02	6,07E-05	9,66E-01	4,84E-04	6,17E-04	1,51E-02
Water requirement	m ³ depriv.	4,30E+01	4,20E-01	1,85E-03	1,75E-01	2,31E-02	8,20E-04	4,23E+01	2,43E-03	1,07E-02	1,19E-01
Abiotic resource depletion, fossils	MJ	2,56E+03	1,55E+01	4,29E-01	2,29E+00	1,23E+01	1,82E-02	2,53E+03	5,68E-01	6,01E-01	1,14E+01
Abiotic resource depletion, minerals and metals	kg Sb eq	1,52E-03	9,80E-05	9,73E-08	6,84E-07	3,72E-07	4,94E-09	1,42E-03	1,29E-07	4,31E-07	-5,13E-06
Climate change - Fossil	kg CO ₂ eq	1,45E+02	1,26E+00	3,12E-02	1,83E-01	9,42E-01	7,59E-03	1,42E+02	4,12E-02	8,10E-02	1,34E+00
Climate change - Biogenic	kg CO ₂ eq	4,98E+00	7,83E-03	2,24E-05	9,88E-03	2,25E-04	7,53E-02	4,88E+00	3,08E-05	5,25E-03	-4,83E-02
Climate change - Land use and LU change	kg CO ₂ eq	2,42E-01	1,33E-03	1,53E-05	4,07E-05	9,85E-05	7,52E-07	2,40E-01	2,01E-05	9,58E-05	2,08E-03

Results of mandatory indicators per unit of product (declared unit, 10.465 lumens during 100.000 hours) of UI11 luminaire, reported for life cycle modules:

			Manufacturing			Distribution	Installation	Use	EoL		Module D
Impact category	Unit	Total	A1	A2	A3	A4	A5	B6	C2	C4	D
Climate change	kg CO ₂ eq	4,54E+03	3,86E+01	9,46E-01	5,84E+00	2,85E+01	2,51E+00	4,46E+03	1,25E+00	2,62E+00	3,92E+01
Ozone depletion	kg CFC-11 eq	1,01E-04	1,69E-05	1,71E-08	2,23E-07	4,46E-07	3,80E-09	8,31E-05	2,31E-08	2,75E-08	3,52E-07
Photochemical ozone formation	kg NMVOC eq	1,16E+01	1,61E-01	4,44E-03	1,15E-02	1,66E-01	7,73E-04	1,12E+01	5,87E-03	7,38E-03	1,36E-01
Acidification	mol H ⁺ eq	1,64E+01	4,18E-01	3,12E-03	6,63E-03	1,21E-01	4,47E-04	1,58E+01	4,11E-03	2,84E-02	2,61E-01
Eutrophication, freshwater	kg P eq	2,54E+00	2,14E-02	6,92E-05	3,82E-04	4,91E-04	6,30E-06	2,52E+00	9,08E-05	4,81E-04	1,19E-02
Eutrophication, marine	kg N eq	3,14E+00	4,19E-02	1,05E-03	2,01E-03	4,88E-02	1,13E-03	3,04E+00	1,39E-03	4,68E-03	4,46E-02
Eutrophication, terrestrial	mol N eq	3,03E+01	4,63E-01	1,11E-02	1,76E-02	5,23E-01	1,84E-03	2,93E+01	1,47E-02	1,87E-02	4,58E-01
Water requirement	m ³ depriv.	1,30E+03	1,27E+01	5,60E-02	5,32E+00	7,01E-01	2,48E-02	1,28E+03	7,36E-02	3,25E-01	3,62E+00
Abiotic resource depletion, fossils	MJ	7,75E+04	4,71E+02	1,30E+01	6,95E+01	3,73E+02	5,53E-01	7,66E+04	1,72E+01	1,82E+01	3,47E+02
Abiotic resource depletion, minerals and metals	kg Sb eq	4,61E-02	2,97E-03	2,95E-06	2,07E-05	1,13E-05	1,50E-07	4,30E-02	3,90E-06	1,31E-05	-1,56E-04
Climate change - Fossil	kg CO ₂ eq	4,38E+03	3,83E+01	9,44E-01	5,54E+00	2,85E+01	2,30E-01	4,30E+03	1,25E+00	2,45E+00	4,06E+01
Climate change - Biogenic	kg CO ₂ eq	1,51E+02	2,37E-01	6,78E-04	2,99E-01	6,82E-03	2,28E+00	1,48E+02	9,35E-04	1,59E-01	-1,46E+00
Climate change - Land use and LU change	kg CO ₂ eq	7,33E+00	4,04E-02	4,63E-04	1,23E-03	2,99E-03	2,28E-05	7,28E+00	6,10E-04	2,90E-03	6,30E-02

Results of mandatory indicators per unit of product (UI11 luminaire) - Detail of the use phase with the decomposition of module B (B1-B7) according to EN 15978 and EN 15804:

Impact category	Unit	Total	B1	B2	B3	B4	B5	B6	B7
Climate change	kg CO ₂ eq	4,46E+03	-	-	-	-	-	4,46E+03	-
Ozone depletion	kg CFC-11 eq	8,31E-05	-	-	-	-	-	8,31E-05	-
Photochemical ozone formation	kg NMVOC eq	1,12E+01	-	-	-	-	-	1,12E+01	-
Acidification	mol H ⁺ eq	1,58E+01	-	-	-	-	-	1,58E+01	-
Eutrophication, freshwater	kg P eq	2,52E+00	-	-	-	-	-	2,52E+00	-
Eutrophication, marine	kg N eq	3,04E+00	-	-	-	-	-	3,04E+00	-
Eutrophication, terrestrial	mol N eq	2,93E+01	-	-	-	-	-	2,93E+01	-
Water requirement	m ³ depriv.	1,28E+03	-	-	-	-	-	1,28E+03	-
Abiotic resource depletion, fossils	MJ	7,66E+04	-	-	-	-	-	7,66E+04	-
Abiotic resource depletion, minerals and metals	kg Sb eq	4,30E-02	-	-	-	-	-	4,30E-02	-
Climate change - Fossil	kg CO ₂ eq	4,30E+03	-	-	-	-	-	4,30E+03	-
Climate change - Biogenic	kg CO ₂ eq	1,48E+02	-	-	-	-	-	1,48E+02	-
Climate change - Land use and LU change	kg CO ₂ eq	7,28E+00	-	-	-	-	-	7,28E+00	-

Within the determination of the impacts of the manufacturing, installation, use and end of life the choice of the dataset relating to electricity consumption fell on low voltage energy (230 V) for all the geographical areas considered in the study. Furthermore, energy mixes were used for each country.

Results of mandatory inventory flow indicators per F.U. (for 1.000 lumens during 35.000 hours), and declared unit :

Indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	EoL
Renewable primary energy (without raw material)	MJ	5,02E+02	2,82E+00	4,84E-02	1,31E-03	4,99E+02	8,79E-02
Renewable primary energy (raw material)	MJ	7,14E-01	7,14E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renewable primary energy	MJ	5,03E+02	3,53E+00	4,84E-02	1,31E-03	4,99E+02	8,79E-02
Non-renewable primary energy (without raw material)	MJ	2,74E+03	1,84E+01	1,31E+01	1,94E-02	2,70E+03	1,25E+00
Non-renewable primary energy (raw material)	MJ	1,22E+00	1,22E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of non-renewable primary energy	MJ	2,74E+03	1,96E+01	1,31E+01	1,94E-02	2,70E+03	1,25E+00
Use of secondary materials	kg	1,56E-01	1,56E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	MJ	-	-	-	-	-	-
Use of non-renewable secondary fuels	MJ	-	-	-	-	-	-
Net use of fresh water	m ³	3,56E-04	3,56E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Hazardous waste disposed	kg	1,24E-03	1,24E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-hazardous waste disposed	kg	2,09E-01	2,60E-02	0,00E+00	0,00E+00	0,00E+00	1,83E-01
Radioactive waste disposed	kg	-	-	-	-	-	-
Components for reuse	kg	-	-	-	-	-	-
Materials for recycling	kg	8,29E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	8,29E-02
Materials for energy recovery	kg	2,36E-02	0,00E+00	0,00E+00	1,39E-02	0,00E+00	9,75E-03
Exported energy	MJ	-	-	-	-	-	-
Biogenic carbon content of the product	kg	4,23E-04	4,23E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Biogenic carbon content of the associated packaging	kg	1,72E-02	1,72E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Results of mandatory inventory flow indicators per unit of product (declared unit, 891 lumens during 100.000 hours):

Indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	EoL
Renewable primary energy (without raw material)	MJ	1,52E+04	8,54E+01	1,47E+00	3,97E-02	1,51E+04	2,66E+00
Renewable primary energy (raw material)	MJ	2,16E+01	2,16E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renewable primary energy	MJ	1,52E+04	1,07E+02	1,47E+00	3,97E-02	1,51E+04	2,66E+00
Non-renewable primary energy (without raw material)	MJ	8,29E+04	5,57E+02	3,96E+02	5,89E-01	8,19E+04	3,78E+01
Non-renewable primary energy (raw material)	MJ	3,68E+01	3,68E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of non-renewable primary energy	MJ	8,30E+04	5,94E+02	3,96E+02	5,89E-01	8,19E+04	3,78E+01
Use of secondary materials	kg	4,72E+00	4,72E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	MJ	-	-	-	-	-	-
Use of non-renewable secondary fuels	MJ	-	-	-	-	-	-
Net use of fresh water	m ³	1,08E-02	1,08E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Hazardous waste disposed	kg	3,76E-02	3,76E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-hazardous waste disposed	kg	6,35E+00	7,87E-01	0,00E+00	0,00E+00	0,00E+00	5,56E+00
Radioactive waste disposed	kg	-	-	-	-	-	-
Components for reuse	kg	-	-	-	-	-	-
Materials for recycling	kg	2,51E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,51E+00
Materials for energy recovery	kg	7,16E-01	0,00E+00	0,00E+00	4,21E-01	0,00E+00	2,96E-01
Exported energy	MJ	-	-	-	-	-	-
Biogenic carbon content of the product	kg	1,28E-02	1,28E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Biogenic carbon content of the associated packaging	kg	5,21E-01	5,21E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00

The data used to conduce the LCA analysis are accurate since they derive from the verified activities (cost accounting, bills, delivery notes, MUDs, etc.) and are complete, since all the main processes within the system boundaries have been included and analyzed in this LCA study.

The data refer to a precise **time** frame, in fact all the input and output flows relating to the product bills of materials refer to the official products release, as well as the process indices which were calculated starting from standard indices of production taking as reference the last useful year available (2023, reference year for the entire LCA study) and multiplied by the cycle times of each product analyzed in the phases of the process considered. The Bill Of Materials (BOM) refers to year 2024.

The **geographical** specificity refers to a Global scenario.

About **technology** used is underlined that the input/output data are primary and specific data of the plant in which the materials are assembled to make the finished products.

The data are therefore representative of the company analyzed and are reproducible.



Energy model

For the different phases of the life cycle, the following datasets were used:

Life Cycle Stage	Dataset
Manufacturing	Electricity, medium voltage {IT} Stabilimento iGuzzini recanati Cut-off, U NIER *
Distribution	-
Installation	-
Use	Electricity, low voltage {IT} market for electricity, low voltage Cut-off, U Electricity, low voltage {ES} market for electricity, low voltage Cut-off, U Electricity, low voltage {AE} market for electricity, low voltage Cut-off, U Electricity, low voltage {DE} market for electricity, low voltage Cut-off, U Electricity, low voltage {AU} market for electricity, low voltage Cut-off, U Electricity, low voltage {SE} market for electricity, low voltage Cut-off, U Electricity, low voltage {US} market group for electricity, low voltage Cut-off, U Electricity, low voltage {FR} market for electricity, low voltage Cut-off, U Electricity, low voltage {GB} market for electricity, low voltage Cut-off, U
End Of life	-

* The dataset was specifically constructed taking into account the energy production from a photovoltaic system and the use of energy from renewable sources



Extrapolation rules

Extrapolations rules have been calculated following PCR-ed4-EN-2021 09 06 PSR-0014-ed2.0-EN2023 07 13. The defined rules shall be applied using the Extrapolation rules file provided in the following tables.

Parameter	Value for reference product (UI11)
Lighting output [lumens]	10.465
Weight of light source [kg]	0,0008
Weight of luminaire structure [kg]	7,569
Weight of control gear [kg]	0,8
Weight of light management system [kg]	-
Weight of product including its light source (no packaging) [kg]	8,0
Weight of product including its packaging [kg]	9,6
Power [W]	100,6

The extrapolation coefficients calculation at the functional unit level shall be taken into account with the following formula:

$$\text{Extrapolation coefficient at the product level} \times \frac{\text{Lighting output of reference product (lumen)}}{\text{Lighting output of concerned product (lumens)}}$$

The reported extrapolation coefficients are intended at product level (declared unit) and not at functional unit.

Product code	Manufacturing	Distribution	Installation	Use	EoL	Module D
S707	0,55	0,55	0,65	0,40	0,52	0,55
S708	0,55	0,55	0,65	0,38	0,52	0,55
S709	0,55	0,55	0,65	0,38	0,52	0,55
S710	0,55	0,55	0,65	0,40	0,52	0,55
S711	0,55	0,55	0,65	0,38	0,52	0,55
S712	0,55	0,55	0,65	0,38	0,52	0,55
S713	0,55	0,55	0,65	0,38	0,52	0,55
S714	0,55	0,55	0,65	0,38	0,52	0,55
S715	0,55	0,55	0,65	0,40	0,52	0,55
S716	0,55	0,55	0,65	0,38	0,52	0,55
S717	0,55	0,55	0,65	0,38	0,52	0,55
S718	0,55	0,55	0,65	0,38	0,52	0,55
S719	0,55	0,55	0,65	0,38	0,52	0,55
S720	0,55	0,55	0,65	0,40	0,52	0,55
S721	0,55	0,55	0,65	0,38	0,52	0,55
S722	0,55	0,55	0,65	0,38	0,52	0,55
S723	0,55	0,55	0,65	0,38	0,52	0,55
S724	0,55	0,55	0,65	0,38	0,52	0,55
UH11	0,73	0,69	0,94	0,62	0,64	0,73
UH12	0,73	0,69	0,94	0,61	0,64	0,73
UH13	0,73	0,69	0,94	0,61	0,64	0,73
UH16	0,73	0,69	0,94	0,62	0,64	0,73
UH17	0,73	0,69	0,94	0,61	0,64	0,73
UH18	0,73	0,69	0,94	0,61	0,64	0,73
UH19	0,73	0,69	0,94	0,61	0,64	0,73
UH20	0,73	0,69	0,94	0,61	0,64	0,73
UH23	0,73	0,69	0,94	0,62	0,64	0,73
UH24	0,73	0,69	0,94	0,61	0,64	0,73
UH25	0,73	0,69	0,94	0,61	0,64	0,73
UH26	0,73	0,69	0,94	0,61	0,64	0,73
UH27	0,73	0,69	0,94	0,61	0,64	0,73
UH30	0,73	0,69	0,94	0,62	0,64	0,73
UH31	0,73	0,69	0,94	0,61	0,64	0,73
UH32	0,73	0,69	0,94	0,61	0,64	0,73
UH33	0,73	0,69	0,94	0,61	0,64	0,73
UH34	0,73	0,69	0,94	0,61	0,64	0,73
UH14	0,71	0,69	0,94	0,33	0,64	0,71
UH15	0,71	0,69	0,94	0,33	0,64	0,71
S092	0,71	0,69	0,94	0,33	0,64	0,71
S093	0,71	0,69	0,94	0,33	0,64	0,71
UH28	0,71	0,69	0,94	0,33	0,64	0,71
UH29	0,71	0,69	0,94	0,33	0,64	0,71

S094	0,71	0,69	0,94	0,33	0,64	0,71
S095	0,71	0,69	0,94	0,33	0,64	0,71
UH35	0,71	0,69	0,94	0,33	0,64	0,71
UH36	0,71	0,69	0,94	0,33	0,64	0,71
S096	0,71	0,69	0,94	0,33	0,64	0,71
S097	0,71	0,69	0,94	0,33	0,64	0,71
S098	0,71	0,69	0,94	0,33	0,64	0,71
S099	0,71	0,69	0,94	0,33	0,64	0,71
S100	0,71	0,69	0,94	0,33	0,64	0,71
S101	0,71	0,69	0,94	0,33	0,64	0,71
S102	0,71	0,69	0,94	0,33	0,64	0,71
S103	0,71	0,69	0,94	0,33	0,64	0,71
S104	0,71	0,69	0,94	0,33	0,64	0,71
S105	0,71	0,69	0,94	0,33	0,64	0,71
S106	0,71	0,69	0,94	0,33	0,64	0,71
S107	0,71	0,69	0,94	0,33	0,64	0,71
S108	0,71	0,69	0,94	0,33	0,64	0,71
S109	0,71	0,69	0,94	0,33	0,64	0,71
S134	0,71	0,69	0,94	0,33	0,64	0,71
S135	0,71	0,69	0,94	0,33	0,64	0,71
S136	0,71	0,69	0,94	0,33	0,64	0,71
S137	0,71	0,69	0,94	0,33	0,64	0,71
S138	0,71	0,69	0,94	0,33	0,64	0,71
S139	0,71	0,69	0,94	0,33	0,64	0,71
S140	0,71	0,69	0,94	0,33	0,64	0,71
S141	0,71	0,69	0,94	0,33	0,64	0,71
S142	0,71	0,69	0,94	0,33	0,64	0,71
S143	0,71	0,69	0,94	0,33	0,64	0,71
S144	0,71	0,69	0,94	0,33	0,64	0,71
S145	0,71	0,69	0,94	0,33	0,64	0,71
S146	0,71	0,69	0,94	0,33	0,64	0,71
S147	0,71	0,69	0,94	0,33	0,64	0,71
S148	0,71	0,69	0,94	0,33	0,64	0,71
S149	0,71	0,69	0,94	0,33	0,64	0,71
S150	0,71	0,69	0,94	0,33	0,64	0,71
S151	0,71	0,69	0,94	0,33	0,64	0,71
S152	0,71	0,69	0,94	0,33	0,64	0,71
S153	0,71	0,69	0,94	0,33	0,64	0,71
S154	0,71	0,69	0,94	0,33	0,64	0,71
S155	0,71	0,69	0,94	0,33	0,64	0,71
S156	0,71	0,69	0,94	0,33	0,64	0,71
S157	0,71	0,69	0,94	0,33	0,64	0,71
UH81	1,00	1,00	1,00	0,79	1,00	1,00
UH82	1,00	1,00	1,00	0,79	1,00	1,00
UH83	1,00	1,00	1,00	0,79	1,00	1,00
UH84	1,00	1,00	1,00	0,79	1,00	1,00
UH85	1,00	1,00	1,00	0,79	1,00	1,00
UH86	1,00	1,00	1,00	0,79	1,00	1,00
UH87	1,00	1,00	1,00	0,79	1,00	1,00

UH88	1,00	1,00	1,00	0,79	1,00	1,00
UH89	1,00	1,00	1,00	0,79	1,00	1,00
UH90	1,00	1,00	1,00	0,79	1,00	1,00
UH91	1,00	1,00	1,00	0,79	1,00	1,00
UH92	1,00	1,00	1,00	0,79	1,00	1,00
UH93	1,00	1,00	1,00	0,79	1,00	1,00
UH94	1,00	1,00	1,00	0,79	1,00	1,00
UH95	1,00	1,00	1,00	0,94	1,00	1,00
UH96	1,00	1,00	1,00	1,00	1,00	1,00
UH97	1,00	1,00	1,00	1,00	1,00	1,00
UH98	1,00	1,00	1,00	0,94	1,00	1,00
UH99	1,00	1,00	1,00	1,00	1,00	1,00
UI00	1,00	1,00	1,00	1,00	1,00	1,00
UI01	1,00	1,00	1,00	1,00	1,00	1,00
UI02	1,00	1,00	1,00	1,00	1,00	1,00
UI03	1,00	1,00	1,00	0,94	1,00	1,00
UI04	1,00	1,00	1,00	1,00	1,00	1,00
UI05	1,00	1,00	1,00	1,00	1,00	1,00
UI06	1,00	1,00	1,00	1,00	1,00	1,00
UI07	1,00	1,00	1,00	1,00	1,00	1,00
UI08	1,00	1,00	1,00	0,94	1,00	1,00
UI09	1,00	1,00	1,00	1,00	1,00	1,00
UI10	1,00	1,00	1,00	1,00	1,00	1,00
UI11	1,00	1,00	1,00	1,00	1,00	1,00
UI12	1,00	1,00	1,00	1,00	1,00	1,00
S206	0,98	0,96	1,00	0,38	0,95	0,98
S207	0,98	0,96	1,00	0,38	0,95	0,98
S208	0,98	0,96	1,00	0,38	0,95	0,98
S209	0,98	0,96	1,00	0,38	0,95	0,98
S210	0,98	0,96	1,00	0,38	0,95	0,98
S211	0,98	0,96	1,00	0,38	0,95	0,98
S212	0,98	0,96	1,00	0,38	0,95	0,98
S213	0,98	0,96	1,00	0,38	0,95	0,98
S214	0,98	0,96	1,00	0,38	0,95	0,98
S215	0,98	0,96	1,00	0,38	0,95	0,98
S216	0,98	0,96	1,00	0,38	0,95	0,98
S217	0,98	0,96	1,00	0,38	0,95	0,98
S218	0,98	0,96	1,00	0,38	0,95	0,98
S219	0,98	0,96	1,00	0,38	0,95	0,98
S220	0,98	0,96	1,00	0,38	0,95	0,98
S221	0,98	0,96	1,00	0,38	0,95	0,98
S222	0,98	0,96	1,00	0,38	0,95	0,98
S223	0,98	0,96	1,00	0,38	0,95	0,98
S224	0,98	0,96	1,00	0,38	0,95	0,98
S225	0,98	0,96	1,00	0,38	0,95	0,98
S226	0,98	0,96	1,00	0,38	0,95	0,98
S227	0,98	0,96	1,00	0,38	0,95	0,98
S228	0,98	0,96	1,00	0,38	0,95	0,98
S229	0,98	0,96	1,00	0,38	0,95	0,98

S230	0,98	0,96	1,00	0,51	0,95	0,98
S231	0,98	0,96	1,00	0,51	0,95	0,98
S232	0,98	0,96	1,00	0,51	0,95	0,98
S233	0,98	0,96	1,00	0,51	0,95	0,98
S234	0,98	0,96	1,00	0,51	0,95	0,98
S235	0,98	0,96	1,00	0,51	0,95	0,98
S236	0,98	0,96	1,00	0,51	0,95	0,98
S237	0,98	0,96	1,00	0,51	0,95	0,98
S238	0,98	0,96	1,00	0,51	0,95	0,98
S239	0,98	0,96	1,00	0,51	0,95	0,98
S240	0,98	0,96	1,00	0,51	0,95	0,98
S241	0,98	0,96	1,00	0,51	0,95	0,98
S242	0,98	0,96	1,00	0,51	0,95	0,98
S243	0,98	0,96	1,00	0,51	0,95	0,98
S244	0,98	0,96	1,00	0,51	0,95	0,98
S245	0,98	0,96	1,00	0,51	0,95	0,98
S246	0,98	0,96	1,00	0,51	0,95	0,98
S247	0,98	0,96	1,00	0,51	0,95	0,98
S248	0,98	0,96	1,00	0,51	0,95	0,98
S249	0,98	0,96	1,00	0,51	0,95	0,98
S250	0,98	0,96	1,00	0,51	0,95	0,98
S251	0,98	0,96	1,00	0,51	0,95	0,98
S252	0,98	0,96	1,00	0,51	0,95	0,98
S253	0,98	0,96	1,00	0,51	0,95	0,98
S302	0,98	0,96	1,00	0,38	0,95	0,98
S303	0,98	0,96	1,00	0,38	0,95	0,98
S304	0,98	0,96	1,00	0,38	0,95	0,98
S305	0,98	0,96	1,00	0,38	0,95	0,98
S306	0,98	0,96	1,00	0,38	0,95	0,98
S307	0,98	0,96	1,00	0,38	0,95	0,98
S308	0,98	0,96	1,00	0,38	0,95	0,98
S309	0,98	0,96	1,00	0,38	0,95	0,98
S310	0,98	0,96	1,00	0,38	0,95	0,98
S311	0,98	0,96	1,00	0,38	0,95	0,98
S312	0,98	0,96	1,00	0,38	0,95	0,98
S313	0,98	0,96	1,00	0,38	0,95	0,98
S314	0,98	0,96	1,00	0,38	0,95	0,98
S315	0,98	0,96	1,00	0,38	0,95	0,98
S316	0,98	0,96	1,00	0,38	0,95	0,98
S317	0,98	0,96	1,00	0,38	0,95	0,98
S318	0,98	0,96	1,00	0,38	0,95	0,98
S319	0,98	0,96	1,00	0,38	0,95	0,98
S320	0,98	0,96	1,00	0,38	0,95	0,98
S321	0,98	0,96	1,00	0,38	0,95	0,98
S322	0,98	0,96	1,00	0,38	0,95	0,98
S323	0,98	0,96	1,00	0,38	0,95	0,98
S324	0,98	0,96	1,00	0,38	0,95	0,98
S325	0,98	0,96	1,00	0,38	0,95	0,98
S326	0,98	0,96	1,00	0,51	0,95	0,98

S327	0,98	0,96	1,00	0,51	0,95	0,98
S328	0,98	0,96	1,00	0,51	0,95	0,98
S329	0,98	0,96	1,00	0,51	0,95	0,98
S330	0,98	0,96	1,00	0,51	0,95	0,98
S331	0,98	0,96	1,00	0,51	0,95	0,98
S332	0,98	0,96	1,00	0,51	0,95	0,98
S333	0,98	0,96	1,00	0,51	0,95	0,98
S334	0,98	0,96	1,00	0,51	0,95	0,98
S335	0,98	0,96	1,00	0,51	0,95	0,98
S336	0,98	0,96	1,00	0,51	0,95	0,98
S337	0,98	0,96	1,00	0,51	0,95	0,98
S338	0,98	0,96	1,00	0,51	0,95	0,98
S339	0,98	0,96	1,00	0,51	0,95	0,98
S340	0,98	0,96	1,00	0,51	0,95	0,98
S341	0,98	0,96	1,00	0,51	0,95	0,98
S342	0,98	0,96	1,00	0,51	0,95	0,98
S343	0,98	0,96	1,00	0,51	0,95	0,98
S344	0,98	0,96	1,00	0,51	0,95	0,98
S345	0,98	0,96	1,00	0,51	0,95	0,98
S346	0,98	0,96	1,00	0,51	0,95	0,98
S347	0,98	0,96	1,00	0,51	0,95	0,98
S348	0,98	0,96	1,00	0,51	0,95	0,98
S349	0,98	0,96	1,00	0,51	0,95	0,98
UI13	1,27	1,27	1,30	1,26	1,26	1,27
UI14	1,38	1,35	1,30	1,75	1,36	1,38
UI15	1,27	1,27	1,30	1,26	1,26	1,27
UI16	1,38	1,35	1,30	1,75	1,36	1,38
UI17	1,38	1,35	1,30	1,75	1,36	1,38
UI18	1,38	1,35	1,30	1,75	1,36	1,38
UI19	1,27	1,27	1,30	1,26	1,26	1,27
UI20	1,38	1,35	1,30	1,75	1,36	1,38
UI21	1,38	1,35	1,30	1,75	1,36	1,38
UI22	1,38	1,35	1,30	1,75	1,36	1,38
UI23	1,27	1,27	1,30	1,26	1,26	1,27
UI24	1,38	1,35	1,30	1,75	1,36	1,38
UI25	1,38	1,35	1,30	1,75	1,36	1,38
UI26	1,38	1,35	1,30	1,75	1,36	1,38
UI27	2,71	2,58	3,86	1,92	2,31	2,71
UI28	2,71	2,58	3,86	1,92	2,31	2,71
UI29	2,71	2,58	3,86	1,92	2,31	2,71
UI30	2,71	2,58	3,86	1,92	2,31	2,71
UI31	2,71	2,58	3,86	2,02	2,31	2,71
UI32	2,71	2,58	3,86	2,67	2,31	2,71
UI33	2,71	2,58	3,86	2,02	2,31	2,71
UI34	2,71	2,58	3,86	2,67	2,31	2,71
UI35	2,71	2,58	3,86	2,67	2,31	2,71
UI36	2,71	2,58	3,86	2,67	2,31	2,71
UI37	2,71	2,58	3,86	2,02	2,31	2,71
UI38	2,71	2,58	3,86	2,67	2,31	2,71

UI39	2,71	2,58	3,86	2,67	2,31	2,71
UI40	2,71	2,58	3,86	2,67	2,31	2,71
UI41	2,71	2,58	3,86	2,02	2,31	2,71
UI42	2,71	2,58	3,86	2,67	2,31	2,71
UI43	2,71	2,58	3,86	2,67	2,31	2,71
UI44	2,71	2,58	3,86	2,67	2,31	2,71

Product code	Manufacturing	Distribution	Installation	Use	EoL	Module D
IAGR-CM-BO-822-SS-REM-15	0,549	0,545	0,650	0,317	0,523	0,549
IAGR-CM-HO-822-SS-REM-15	0,549	0,545	0,650	0,397	0,523	0,549
IAGR-CM-BO-822-FL-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-822-FL-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-822-WW-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-822-WW-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-827-SS-REM-15	0,549	0,545	0,650	0,317	0,523	0,549
IAGR-CM-HO-827-SS-REM-15	0,549	0,545	0,650	0,397	0,523	0,549
IAGR-CM-BO-827-SP-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-827-SP-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-827-FL-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-827-FL-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-827-WF-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-827-WF-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-827-WW-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-827-WW-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-830-SS-REM-15	0,549	0,545	0,650	0,317	0,523	0,549
IAGR-CM-HO-830-SS-REM-15	0,549	0,545	0,650	0,397	0,523	0,549
IAGR-CM-BO-830-SP-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-830-SP-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-830-FL-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-830-FL-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-830-WF-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-830-WF-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-830-WW-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-830-WW-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-840-SS-REM-15	0,549	0,545	0,650	0,317	0,523	0,549
IAGR-CM-HO-840-SS-REM-15	0,549	0,545	0,650	0,397	0,523	0,549
IAGR-CM-BO-840-SS-REM-15	0,549	0,545	0,650	0,317	0,523	0,549
IAGR-CM-HO-840-SS-REM-15	0,549	0,545	0,650	0,397	0,523	0,549
IAGR-CM-BO-835-SP-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-835-SP-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-840-SP-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-840-SP-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-835-FL-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-835-FL-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-840-FL-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-840-FL-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-835-WF-REM-15	0,549	0,545	0,650	0,307	0,523	0,549

IAGR-CM-HO-835-WF-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-840-WF-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-840-WF-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-835-WW-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-835-WW-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-CM-BO-840-WW-REM-15	0,549	0,545	0,650	0,307	0,523	0,549
IAGR-CM-HO-840-WW-REM-15	0,549	0,545	0,650	0,385	0,523	0,549
IAGR-NM-BO-822-SS-REM-15	0,726	0,690	0,938	0,495	0,639	0,726
IAGR-NM-HO-822-SS-REM-15	0,726	0,690	0,938	0,615	0,639	0,726
IAGR-NM-BO-822-FL-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-822-FL-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-822-WW-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-822-WW-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-827-SS-REM-15	0,726	0,690	0,938	0,495	0,639	0,726
IAGR-NM-HO-827-SS-REM-15	0,726	0,690	0,938	0,615	0,639	0,726
IAGR-NM-BO-827-SP-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-827-SP-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-827-FL-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-827-FL-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-827-WF-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-827-WF-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-827-WW-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-827-WW-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-830-SS-REM-15	0,726	0,690	0,938	0,495	0,639	0,726
IAGR-NM-HO-830-SS-REM-15	0,726	0,690	0,938	0,615	0,639	0,726
IAGR-NM-BO-830-SP-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-830-SP-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-830-FL-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-830-FL-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-830-WF-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-830-WF-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-830-WW-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-830-WW-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-840-SS-REM-15	0,726	0,690	0,938	0,495	0,639	0,726
IAGR-NM-HO-840-SS-REM-15	0,726	0,690	0,938	0,615	0,639	0,726
IAGR-NM-BO-935-SS-REM-15	0,726	0,690	0,938	0,495	0,639	0,726
IAGR-NM-HO-935-SS-REM-15	0,726	0,690	0,938	0,615	0,639	0,726
IAGR-NM-BO-840-SP-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-840-SP-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-835-SP-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-835-SP-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-840-FL-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-840-FL-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-835-FL-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-835-FL-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-840-WF-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-840-WF-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-835-WF-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-835-WF-REM-15	0,726	0,690	0,938	0,605	0,639	0,726

IAGR-NM-BO-840-WW-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-840-WW-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-NM-BO-835-WW-REM-15	0,726	0,690	0,938	0,533	0,639	0,726
IAGR-NM-HO-835-WW-REM-15	0,726	0,690	0,938	0,605	0,639	0,726
IAGR-SM-HE-822-FL-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-822-FL-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-822-WW-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-822-WW-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-827-SP-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-827-SP-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-827-FL-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-827-FL-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-827-WF-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-827-WF-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-827-WW-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-827-WW-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-830-SP-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-830-SP-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-830-FL-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-830-FL-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-830-WF-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-830-WF-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-830-WW-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-830-WW-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-840-SP-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-840-SP-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-835-SP-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-835-SP-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-840-FL-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-840-FL-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-835-FL-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-835-FL-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-840-WF-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-840-WF-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-835-WF-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-835-WF-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-840-WW-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-840-WW-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HE-835-WW-REM-15	1,000	1,000	1,000	0,660	1,000	1,000
IAGR-SM-BO-835-WW-REM-15	1,000	1,000	1,000	0,787	1,000	1,000
IAGR-SM-HO-822-SS-REM-15	1,000	1,000	1,000	0,714	1,000	1,000
IAGR-SM-VHO-822-SS-REM-15	1,000	1,000	1,000	0,944	1,000	1,000
IAGR-SM-HO-822-FL-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-822-FL-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-822-WW-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-822-WW-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-827-SS-REM-15	1,000	1,000	1,000	0,714	1,000	1,000
IAGR-SM-VHO-827-SS-REM-15	1,000	1,000	1,000	0,944	1,000	1,000
IAGR-SM-HO-827-SP-REM-15	1,000	1,000	1,000	0,816	1,000	1,000

IAGR-SM-VHO-827-SP-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-827-FL-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-827-FL-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-827-WF-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-827-WF-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-827-WW-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-827-WW-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-830-SS-REM-15	1,000	1,000	1,000	0,714	1,000	1,000
IAGR-SM-VHO-830-SS-REM-15	1,000	1,000	1,000	0,944	1,000	1,000
IAGR-SM-HO-830-SP-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-830-SP-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-830-FL-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-830-FL-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-830-WF-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-830-WF-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-830-WW-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-830-WW-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-840-SS-REM-15	1,000	1,000	1,000	0,714	1,000	1,000
IAGR-SM-VHO-840-SS-REM-15	1,000	1,000	1,000	0,944	1,000	1,000
IAGR-SM-HO-935-SS-REM-15	1,000	1,000	1,000	0,714	1,000	1,000
IAGR-SM-VHO-935-SS-REM-15	1,000	1,000	1,000	0,944	1,000	1,000
IAGR-SM-HO-840-SP-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-840-SP-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-835-SP-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-835-SP-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-840-FL-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-840-FL-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-835-FL-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-835-FL-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-840-WF-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-840-WF-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-835-WF-REM-15	1,000	1,000	1,000	0,816	1,000	1,000
IAGR-SM-VHO-835-WF-REM-15	1,000	1,000	1,000	1,000	1,000	1,000
IAGR-SM-HO-840-WW-REM-15	1,091	1,000	1,000	0,816	1,000	1,091
IAGR-SM-VHO-840-WW-REM-15	1,091	1,000	1,000	1,000	1,000	1,091
IAGR-SM-HO-835-WW-REM-15	1,091	1,000	1,000	0,816	1,000	1,091
IAGR-SM-VHO-835-WW-REM-15	1,091	1,000	1,000	1,000	1,000	1,091
IAGR-MM-BO-822-SS-REM-15	1,274	1,269	1,300	0,951	1,262	1,274
IAGR-MM-HO-822-SS-REM-15	1,274	1,269	1,300	1,255	1,262	1,274
IAGR-MM-BO-822-FL-REM-15	1,380	1,352	1,300	1,302	1,362	1,380
IAGR-MM-HO-822-FL-REM-15	1,380	1,352	1,300	1,747	1,362	1,380
IAGR-MM-BO-827-SS-REM-15	1,274	1,269	1,300	0,951	1,262	1,274
IAGR-MM-HO-827-SS-REM-15	1,274	1,269	1,300	1,255	1,262	1,274
IAGR-MM-BO-827-SP-REM-15	1,380	1,352	1,300	1,302	1,362	1,380
IAGR-MM-HO-827-SP-REM-15	1,380	1,352	1,300	1,747	1,362	1,380
IAGR-MM-BO-827-FL-REM-15	1,380	1,352	1,300	1,302	1,362	1,380
IAGR-MM-HO-827-FL-REM-15	1,380	1,352	1,300	1,747	1,362	1,380
IAGR-MM-BO-827-WF-REM-15	1,380	1,352	1,300	1,302	1,362	1,380
IAGR-MM-HO-827-WF-REM-15	1,380	1,352	1,300	1,747	1,362	1,380

IAGR-MM-BO-830-SS-REM-15	1,274	1,269	1,300	0,951	1,262	1,274
IAGR-MM-HO-830-SS-REM-15	1,274	1,269	1,300	1,255	1,262	1,274
IAGR-MM-BO-830-SP-REM-15	1,380	1,352	1,300	1,302	1,362	1,380
IAGR-MM-HO-830-SP-REM-15	1,380	1,352	1,300	1,747	1,362	1,380
IAGR-MM-BO-830-FL-REM-15	1,380	1,352	1,300	1,302	1,362	1,380
IAGR-MM-HO-830-FL-REM-15	1,380	1,352	1,300	1,747	1,362	1,380
IAGR-MM-BO-830-WF-REM-15	1,380	1,352	1,300	1,302	1,362	1,380
IAGR-MM-HO-830-WF-REM-15	1,380	1,352	1,300	1,747	1,362	1,380
IAGR-MM-BO-840-SS-REM-15	1,274	1,269	1,300	0,951	1,262	1,274
IAGR-MM-HO-840-SS-REM-15	1,274	1,269	1,300	1,255	1,262	1,274
IAGR-MM-BO-935-SS-REM-15	1,274	1,269	1,300	0,951	1,262	1,274
IAGR-MM-HO-935-SS-REM-15	1,274	1,269	1,300	1,255	1,262	1,274
IAGR-MM-BO-840-SP-REM-15	1,380	1,352	1,300	1,302	1,362	1,380
IAGR-MM-HO-840-SP-REM-15	1,380	1,352	1,300	1,747	1,362	1,380
IAGR-MM-BO-835-SP-REM-15	1,380	1,352	1,300	1,302	1,362	1,380
IAGR-MM-HO-835-SP-REM-15	1,380	1,352	1,300	1,747	1,362	1,380
IAGR-MM-BO-840-FL-REM-15	1,380	1,352	1,300	1,302	1,362	1,380
IAGR-MM-HO-840-FL-REM-15	1,380	1,352	1,300	1,747	1,362	1,380
IAGR-MM-BO-835-FL-REM-15	1,380	1,352	1,300	1,302	1,362	1,380
IAGR-MM-HO-835-FL-REM-15	1,380	1,352	1,300	1,747	1,362	1,380
IAGR-MM-BO-840-WF-REM-15	1,380	1,352	1,300	1,302	1,362	1,380
IAGR-MM-HO-840-WF-REM-15	1,380	1,352	1,300	1,747	1,362	1,380
IAGR-MM-BO-835-WF-REM-15	1,380	1,352	1,300	1,302	1,362	1,380
IAGR-MM-HO-835-WF-REM-15	1,380	1,352	1,300	1,747	1,362	1,380
IAGR-LM-BO-822-SS-REM-15	2,715	2,579	3,859	1,539	2,314	2,715
IAGR-LM-HO-822-SS-REM-15	2,715	2,579	3,859	1,918	2,314	2,715
IAGR-LM-BO-827-SS-REM-15	2,715	2,579	3,859	1,539	2,314	2,715
IAGR-LM-HO-827-SS-REM-15	2,715	2,579	3,859	1,918	2,314	2,715
IAGR-LM-BO-830-SS-REM-15	2,715	2,579	3,859	1,539	2,314	2,715
IAGR-LM-HO-830-SS-REM-15	2,715	2,579	3,859	1,918	2,314	2,715
IAGR-LM-BO-840-SS-REM-15	2,715	2,579	3,859	1,539	2,314	2,715
IAGR-LM-HO-840-SS-REM-15	2,715	2,579	3,859	1,918	2,314	2,715
IAGR-LM-BO-935-SS-REM-15	2,715	2,579	3,859	1,539	2,314	2,715
IAGR-LM-HO-935-SS-REM-15	2,715	2,579	3,859	1,918	2,314	2,715
IAGR-LM-HE-822-SS-REM-15	2,715	2,579	3,859	1,524	2,314	2,715
IAGR-LM-VHO-822-SS-REM-15	2,715	2,579	3,859	2,021	2,314	2,715
IAGR-LM-BO-822-FL-REM-15	2,715	2,579	3,859	2,142	2,314	2,715
IAGR-LM-HO-822-FL-REM-15	2,715	2,579	3,859	2,670	2,314	2,715
IAGR-LM-HE-827-SS-REM-15	2,715	2,579	3,859	1,524	2,314	2,715
IAGR-LM-VHO-827-SS-REM-15	2,715	2,579	3,859	2,021	2,314	2,715
IAGR-LM-BO-827-SP-REM-15	2,715	2,579	3,859	2,142	2,314	2,715
IAGR-LM-HO-827-SP-REM-15	2,715	2,579	3,859	2,670	2,314	2,715
IAGR-LM-BO-827-FL-REM-15	2,715	2,579	3,859	2,142	2,314	2,715
IAGR-LM-HO-827-FL-REM-15	2,715	2,579	3,859	2,670	2,314	2,715
IAGR-LM-BO-827-WF-REM-15	2,715	2,579	3,859	2,142	2,314	2,715
IAGR-LM-HO-827-WF-REM-15	2,715	2,579	3,859	2,670	2,314	2,715
IAGR-LM-HE-830-SS-REM-15	2,715	2,579	3,859	1,524	2,314	2,715
IAGR-LM-VHO-830-SS-REM-15	2,715	2,579	3,859	2,021	2,314	2,715
IAGR-LM-BO-830-SP-REM-15	2,715	2,579	3,859	2,142	2,314	2,715

IAGR-LM-HO-830-SP-REM-15	2,715	2,579	3,859	2,670	2,314	2,715
IAGR-LM-BO-830-FL-REM-15	2,715	2,579	3,859	2,142	2,314	2,715
IAGR-LM-HO-830-FL-REM-15	2,715	2,579	3,859	2,670	2,314	2,715
IAGR-LM-BO-830-WF-REM-15	2,715	2,579	3,859	2,142	2,314	2,715
IAGR-LM-HO-830-WF-REM-15	2,715	2,579	3,859	2,670	2,314	2,715
IAGR-LM-HE-840-SS-REM-15	2,715	2,579	3,859	1,524	2,314	2,715
IAGR-LM-VHO-840-SS-REM-15	2,715	2,579	3,859	2,021	2,314	2,715
IAGR-LM-HE-935-SS-REM-15	2,715	2,579	3,859	1,524	2,314	2,715
IAGR-LM-VHO-935-SS-REM-15	2,715	2,579	3,859	2,021	2,314	2,715
IAGR-LM-BO-840-SP-REM-15	2,715	2,579	3,859	2,142	2,314	2,715
IAGR-LM-HO-840-SP-REM-15	2,715	2,579	3,859	2,670	2,314	2,715
IAGR-LM-BO-835-SP-REM-15	2,715	2,579	3,859	2,142	2,314	2,715
IAGR-LM-HO-835-SP-REM-15	2,715	2,579	3,859	2,670	2,314	2,715
IAGR-LM-BO-840-FL-REM-15	2,715	2,579	3,859	2,142	2,314	2,715
IAGR-LM-HO-840-FL-REM-15	2,715	2,579	3,859	2,670	2,314	2,715
IAGR-LM-BO-835-FL-REM-15	2,715	2,579	3,859	2,142	2,314	2,715
IAGR-LM-HO-835-FL-REM-15	2,715	2,579	3,859	2,670	2,314	2,715
IAGR-LM-BO-840-WF-REM-15	2,715	2,579	3,859	2,142	2,314	2,715
IAGR-LM-HO-840-WF-REM-15	2,715	2,579	3,859	2,670	2,314	2,715
IAGR-LM-BO-835-WF-REM-15	2,715	2,579	3,859	2,142	2,314	2,715
IAGR-LM-HO-835-WF-REM-15	2,715	2,579	3,859	2,670	2,314	2,715

The following table reports the information of the products included in the homogeneous environmental family.

Product code	Lumen	System power (Watt)	Total weight (kg)	Luminaries weight (kg)	Structure weight (kg)	Control Gear (kg)	Lighting Source weight (kg)	Packaging (and packing) weight (kg)
S707	1800	39,9	5,257	4,180	3,780	0,4	0,0003	1,077
S708	3078	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
S709	2511	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
S710	2287,5	39,9	5,257	4,180	3,780	0,4	0,0003	1,077
S711	3542	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
S712	3496	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
S713	3404	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
S714	2852	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
S715	2400	39,9	5,257	4,180	3,780	0,4	0,0003	1,077
S716	3696	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
S717	3648	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
S718	3552	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
S719	2976	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
S720	2625	39,9	5,257	4,180	3,780	0,4	0,0003	1,077
S721	3888,5	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
S722	3838	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
S723	3737	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
S724	3131	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
UH11	2812,5	61,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH12	4826	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH13	3937	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH16	3562,5	61,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH17	5505,5	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH18	5434	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH19	5291	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH20	4433	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH23	3750	61,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH24	5736,5	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH25	5662	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH26	5513	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH27	4619	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH30	4125	61,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH31	6044,5	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH32	5966	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH33	5809	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH34	4867	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
UH14	3760	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
UH15	3810	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S092	3670	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S093	3670	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
UH28	3950	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
UH29	4000	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S094	3860	33,4	6,654	5,100	4,700	0,4	0,0005	1,554

S095	3860	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
UH35	4170	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
UH36	4220	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S096	4070	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S097	4070	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S098	3760	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S099	3810	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S100	3670	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S101	3670	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S102	3950	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S103	4000	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S104	3860	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S105	3860	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S106	4170	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S107	4220	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S108	4070	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S109	4070	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S134	3420	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S135	3460	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S136	3280	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S137	3260	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S138	3590	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S139	3640	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S140	3450	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S141	3420	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S142	3790	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S143	3840	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S144	3640	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S145	3610	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S146	3420	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S147	3460	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S148	3280	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S149	3260	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S150	3590	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S151	3640	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S152	3450	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S153	3420	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S154	3790	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S155	3840	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S156	3640	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
S157	3610	33,4	6,654	5,100	4,700	0,4	0,0005	1,554
UH81	6726	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
UH82	5487	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
UH83	7700	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
UH84	7600	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
UH85	7400	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
UH86	6200	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
UH87	8008	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
UH88	7904	79,2	9,643	7,986	7,185	0,8	0,0007	1,657

UH89	7696	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
UH90	6448	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
UH91	8470	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
UH92	8360	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
UH93	8140	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
UH94	6820	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
UH95	4725	95	9,643	7,986	7,185	0,8	0,0008	1,657
UH96	8474	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
UH97	6913	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
UH98	6000	95	9,643	7,986	7,185	0,8	0,0008	1,657
UH99	9740,5	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
UI00	9614	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
UI01	9361	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
UI02	7843	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
UI03	6300	95	9,643	7,986	7,185	0,8	0,0008	1,657
UI04	10087	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
UI05	9956	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
UI06	9694	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
UI07	8122	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
UI08	6937,5	95	9,643	7,986	7,185	0,8	0,0008	1,657
UI09	10664,5	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
UI10	10526	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
UI11	10465	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
UI12	8587	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
S206	4370	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S207	4390	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S208	4260	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S209	4260	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S210	4590	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S211	4610	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S212	4470	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S213	4470	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S214	4840	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S215	4860	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S216	4720	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S217	4720	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S218	4370	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S219	4390	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S220	4260	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S221	4260	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S222	4590	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S223	4610	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S224	4470	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S225	4470	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S226	4840	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S227	4860	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S228	4720	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S229	4720	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S230	6320	51	9,243	7,586	7,185	0,4	0,0009	1,657

S231	6360	51	9,243	7,586	7,185	0,4	0,0009	1,657
S232	6210	51	9,243	7,586	7,185	0,4	0,0009	1,657
S233	6170	51	9,243	7,586	7,185	0,4	0,0009	1,657
S234	6640	51	9,243	7,586	7,185	0,4	0,0009	1,657
S235	6680	51	9,243	7,586	7,185	0,4	0,0009	1,657
S236	6520	51	9,243	7,586	7,185	0,4	0,0009	1,657
S237	6480	51	9,243	7,586	7,185	0,4	0,0009	1,657
S238	7000	51	9,243	7,586	7,185	0,4	0,0009	1,657
S239	7040	51	9,243	7,586	7,185	0,4	0,0009	1,657
S240	6880	51	9,243	7,586	7,185	0,4	0,0009	1,657
S241	6830	51	9,243	7,586	7,185	0,4	0,0009	1,657
S242	6320	51	9,243	7,586	7,185	0,4	0,0009	1,657
S243	6360	51	9,243	7,586	7,185	0,4	0,0009	1,657
S244	6210	51	9,243	7,586	7,185	0,4	0,0009	1,657
S245	6170	51	9,243	7,586	7,185	0,4	0,0009	1,657
S246	6640	51	9,243	7,586	7,185	0,4	0,0009	1,657
S247	6680	51	9,243	7,586	7,185	0,4	0,0009	1,657
S248	6520	51	9,243	7,586	7,185	0,4	0,0009	1,657
S249	6480	51	9,243	7,586	7,185	0,4	0,0009	1,657
S250	7000	51	9,243	7,586	7,185	0,4	0,0009	1,657
S251	7040	51	9,243	7,586	7,185	0,4	0,0009	1,657
S252	6880	51	9,243	7,586	7,185	0,4	0,0009	1,657
S253	6830	51	9,243	7,586	7,185	0,4	0,0009	1,657
S302	3890	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S303	3950	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S304	3740	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S305	3740	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S306	4090	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S307	4140	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S308	3920	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S309	3920	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S310	4310	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S311	4370	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S312	4140	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S313	4140	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S314	3890	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S315	3950	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S316	3740	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S317	3740	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S318	4090	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S319	4140	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S320	3920	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S321	3920	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S322	4310	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S323	4370	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S324	4140	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S325	4140	38,4	9,243	7,586	7,185	0,4	0,0009	1,657
S326	5680	51	9,243	7,586	7,185	0,4	0,0009	1,657
S327	5760	51	9,243	7,586	7,185	0,4	0,0009	1,657

S328	5460	51	9,243	7,586	7,185	0,4	0,0009	1,657
S329	5420	51	9,243	7,586	7,185	0,4	0,0009	1,657
S330	5970	51	9,243	7,586	7,185	0,4	0,0009	1,657
S331	6050	51	9,243	7,586	7,185	0,4	0,0009	1,657
S332	5730	51	9,243	7,586	7,185	0,4	0,0009	1,657
S333	5690	51	9,243	7,586	7,185	0,4	0,0009	1,657
S334	6290	51	9,243	7,586	7,185	0,4	0,0009	1,657
S335	6380	51	9,243	7,586	7,185	0,4	0,0009	1,657
S336	6040	51	9,243	7,586	7,185	0,4	0,0009	1,657
S337	6000	51	9,243	7,586	7,185	0,4	0,0009	1,657
S338	5680	51	9,243	7,586	7,185	0,4	0,0009	1,657
S339	5760	51	9,243	7,586	7,185	0,4	0,0009	1,657
S340	5460	51	9,243	7,586	7,185	0,4	0,0009	1,657
S341	5420	51	9,243	7,586	7,185	0,4	0,0009	1,657
S342	5970	51	9,243	7,586	7,185	0,4	0,0009	1,657
S343	6050	51	9,243	7,586	7,185	0,4	0,0009	1,657
S344	5730	51	9,243	7,586	7,185	0,4	0,0009	1,657
S345	5690	51	9,243	7,586	7,185	0,4	0,0009	1,657
S346	6290	51	9,243	7,586	7,185	0,4	0,0009	1,657
S347	6380	51	9,243	7,586	7,185	0,4	0,0009	1,657
S348	6040	51	9,243	7,586	7,185	0,4	0,0009	1,657
S349	6040	51	9,243	7,586	7,185	0,4	0,0009	1,657
UI13	6750	126,3	12,234	10,080	9,279	0,8	0,0014	2,154
UI14	15542	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
UI15	8550	126,3	12,234	10,080	9,279	0,8	0,0014	2,154
UI16	17787	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
UI17	17556	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
UI18	17094	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
UI19	9000	126,3	12,234	10,080	9,279	0,8	0,0014	2,154
UI20	18480	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
UI21	18240	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
UI22	17760	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
UI23	9900	126,3	12,234	10,080	9,279	0,8	0,0014	2,154
UI24	19481	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
UI25	19228	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
UI26	18722	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
UI27	9825	193	24,874	18,480	16,878	1,6	0,0019	6,394
UI28	12450	193	24,874	18,480	16,878	1,6	0,0019	6,394
UI29	13125	193	24,874	18,480	16,878	1,6	0,0019	6,394
UI30	14437,5	193	24,874	18,480	16,878	1,6	0,0019	6,394
UI31	11437,5	203,3	24,874	18,480	16,877	1,6	0,0030	6,394
UI32	24054	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
UI33	14475	203,3	24,874	18,480	16,877	1,6	0,0030	6,394
UI34	27527,5	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
UI35	27170	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
UI36	26455	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
UI37	15225	203,3	24,874	18,480	16,877	1,6	0,0030	6,394
UI38	28605,5	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
UI39	28234	268,6	24,874	18,480	16,877	1,6	0,0030	6,394

UI40	27491	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
UI41	16762,5	203,3	24,874	18,480	16,877	1,6	0,0030	6,394
UI42	30184	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
UI43	29792	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
UI44	29008	268,6	24,874	18,480	16,877	1,6	0,0030	6,394

Product code	Lumen	System power (Watt)	Total weight (kg)	Luminaries weight (kg)	Structure weight (kg)	Control Gear (kg)	Lighting Source weight (kg)	Packaging (and packing) weight (kg)
IAGR-CM-BO-822-SS-REM-15	1538	31,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-822-SS-REM-15	1800	39,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-822-FL-REM-15	2622	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-822-FL-REM-15	3078	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-822-WW-REM-15	2139	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-822-WW-REM-15	2511	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-827-SS-REM-15	1950	31,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-827-SS-REM-15	2288	39,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-827-SP-REM-15	3003	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-827-SP-REM-15	3542	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-827-FL-REM-15	2964	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-827-FL-REM-15	3496	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-827-WF-REM-15	2886	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-827-WF-REM-15	3404	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-827-WW-REM-15	2418	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-827-WW-REM-15	2852	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-830-SS-REM-15	2063	31,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-830-SS-REM-15	2400	39,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-830-SP-REM-15	3119	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-830-SP-REM-15	3696	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-830-FL-REM-15	3078	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-830-FL-REM-15	3648	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-830-WF-REM-15	2997	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-830-WF-REM-15	3552	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-830-WW-REM-15	2511	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-830-WW-REM-15	2976	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-840-SS-REM-15	2250	31,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-840-SS-REM-15	2625	39,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-840-SS-REM-15	2250	31,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-840-SS-REM-15	2625	39,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-835-SP-REM-15	3119	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-835-SP-REM-15	3696	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-840-SP-REM-15	3273	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-840-SP-REM-15	3889	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-835-FL-REM-15	3078	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-835-FL-REM-15	3648	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-840-FL-REM-15	3230	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-840-FL-REM-15	3838	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-835-WF-REM-15	2997	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-835-WF-REM-15	3552	38,7	5,257	4,180	3,780	0,4	0,0003	1,077

IAGR-CM-BO-840-WF-REM-15	3145	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-840-WF-REM-15	3737	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-835-WW-REM-15	2511	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-835-WW-REM-15	2976	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-BO-840-WW-REM-15	2635	30,9	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-CM-HO-840-WW-REM-15	3131	38,7	5,257	4,180	3,780	0,4	0,0003	1,077
IAGR-NM-BO-822-SS-REM-15	2400	49,8	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-822-SS-REM-15	2813	61,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-822-FL-REM-15	4294	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-822-FL-REM-15	4826	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-822-WW-REM-15	3503	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-822-WW-REM-15	3937	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-827-SS-REM-15	3075	49,8	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-827-SS-REM-15	3563	61,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-827-SP-REM-15	4928	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-827-SP-REM-15	5506	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-827-FL-REM-15	4864	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-827-FL-REM-15	5434	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-827-WF-REM-15	4736	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-827-WF-REM-15	5291	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-827-WW-REM-15	3968	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-827-WW-REM-15	4433	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-830-SS-REM-15	3225	49,8	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-830-SS-REM-15	3750	61,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-830-SP-REM-15	5121	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-830-SP-REM-15	5737	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-830-FL-REM-15	5054	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-830-FL-REM-15	5662	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-830-WF-REM-15	4921	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-830-WF-REM-15	5513	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-830-WW-REM-15	4123	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-830-WW-REM-15	4619	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-840-SS-REM-15	3525	49,8	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-840-SS-REM-15	4125	61,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-935-SS-REM-15	2400	49,8	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-935-SS-REM-15	2812,5	61,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-840-SP-REM-15	5390	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-840-SP-REM-15	6045	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-835-SP-REM-15	5121	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-835-SP-REM-15	5737	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-840-FL-REM-15	5320	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-840-FL-REM-15	5966	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-835-FL-REM-15	5054	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-835-FL-REM-15	5662	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-840-WF-REM-15	5180	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-840-WF-REM-15	5809	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-835-WF-REM-15	4921	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-835-WF-REM-15	5513	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-840-WW-REM-15	4340	53,6	6,654	5,100	4,300	0,8	0,0004	1,554

IAGR-NM-HO-840-WW-REM-15	4867	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-BO-835-WW-REM-15	4123	53,6	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-NM-HO-835-WW-REM-15	4619	60,9	6,654	5,100	4,300	0,8	0,0004	1,554
IAGR-SM-HE-822-FL-REM-15	5852	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-822-FL-REM-15	6726	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-822-WW-REM-15	4774	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-822-WW-REM-15	5487	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-827-SP-REM-15	6699	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-827-SP-REM-15	7700	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-827-FL-REM-15	6612	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-827-FL-REM-15	7600	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-827-WF-REM-15	6438	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-827-WF-REM-15	7400	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-827-WW-REM-15	5394	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-827-WW-REM-15	6200	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-830-SP-REM-15	6930	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-830-SP-REM-15	8008	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-830-FL-REM-15	6840	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-830-FL-REM-15	7904	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-830-WF-REM-15	6660	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-830-WF-REM-15	7696	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-830-WW-REM-15	5580	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-830-WW-REM-15	6448	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-840-SP-REM-15	7469	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-840-SP-REM-15	8586	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-835-SP-REM-15	6930	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-835-SP-REM-15	8008	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-840-FL-REM-15	7372	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-840-FL-REM-15	8474	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-835-FL-REM-15	6840	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-835-FL-REM-15	7904	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-840-WF-REM-15	7178	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-840-WF-REM-15	8251	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-835-WF-REM-15	6660	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-835-WF-REM-15	7696	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-840-WW-REM-15	6014	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-840-WW-REM-15	6913	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HE-835-WW-REM-15	5580	66,4	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-BO-835-WW-REM-15	6448	79,2	9,643	7,986	7,185	0,8	0,0007	1,657
IAGR-SM-HO-822-SS-REM-15	3863	71,8	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-822-SS-REM-15	4725	95	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-822-FL-REM-15	7258	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-822-FL-REM-15	8474	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-822-WW-REM-15	5921	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-822-WW-REM-15	6913	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-827-SS-REM-15	4875	71,8	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-827-SS-REM-15	6000	95	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-827-SP-REM-15	8316	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-827-SP-REM-15	9741	100,6	9,643	7,986	7,185	0,8	0,0008	1,657

IAGR-SM-HO-827-FL-REM-15	8208	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-827-FL-REM-15	9614	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-827-WF-REM-15	7992	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-827-WF-REM-15	9361	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-827-WW-REM-15	6696	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-827-WW-REM-15	7843	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-830-SS-REM-15	5138	71,8	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-830-SS-REM-15	6300	95	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-830-SP-REM-15	8624	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-830-SP-REM-15	10087	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-830-FL-REM-15	8512	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-830-FL-REM-15	9956	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-830-WF-REM-15	8288	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-830-WF-REM-15	9694	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-830-WW-REM-15	6944	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-830-WW-REM-15	8122	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-840-SS-REM-15	5625	71,8	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-840-SS-REM-15	6938	95	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-935-SS-REM-15	3863	71,8	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-935-SS-REM-15	4725	95	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-840-SP-REM-15	9279	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-840-SP-REM-15	10857	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-835-SP-REM-15	8624	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-835-SP-REM-15	10087	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-840-FL-REM-15	9158	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-840-FL-REM-15	10716	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-835-FL-REM-15	8512	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-835-FL-REM-15	9956	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-840-WF-REM-15	8917	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-840-WF-REM-15	10434	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-835-WF-REM-15	8288	82,1	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-VHO-835-WF-REM-15	9694	100,6	9,643	7,986	7,185	0,8	0,0008	1,657
IAGR-SM-HO-840-WW-REM-15	7471	82,1	9,643	7,986	7,613	0,8	0,0008	1,657
IAGR-SM-VHO-840-WW-REM-15	8742	100,6	9,643	7,986	7,613	0,8	0,0008	1,657
IAGR-SM-HO-835-WW-REM-15	6944	82,1	9,643	7,986	7,613	0,8	0,0008	1,657
IAGR-SM-VHO-835-WW-REM-15	8122	100,6	9,643	7,986	7,613	0,8	0,0008	1,657
IAGR-MM-BO-822-SS-REM-15	5438	95,7	12,234	10,080	9,279	0,8	0,0014	2,154
IAGR-MM-HO-822-SS-REM-15	6750	126,3	12,234	10,080	9,279	0,8	0,0014	2,154
IAGR-MM-BO-822-FL-REM-15	12274	131	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-HO-822-FL-REM-15	15542	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-BO-827-SS-REM-15	6900	95,7	12,234	10,080	9,279	0,8	0,0014	2,154
IAGR-MM-HO-827-SS-REM-15	8550	126,3	12,234	10,080	9,279	0,8	0,0014	2,154
IAGR-MM-BO-827-SP-REM-15	14091	131	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-HO-827-SP-REM-15	17787	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-BO-827-FL-REM-15	13908	131	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-HO-827-FL-REM-15	17556	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-BO-827-WF-REM-15	13542	131	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-HO-827-WF-REM-15	17094	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-BO-830-SS-REM-15	7238	95,7	12,234	10,080	9,279	0,8	0,0014	2,154

IAGR-MM-HO-830-SS-REM-15	9000	126,3	12,234	10,080	9,279	0,8	0,0014	2,154
IAGR-MM-BO-830-SP-REM-15	14630	131	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-HO-830-SP-REM-15	18480	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-BO-830-FL-REM-15	14440	131	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-HO-830-FL-REM-15	18240	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-BO-830-WF-REM-15	14060	131	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-HO-830-WF-REM-15	17760	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-BO-840-SS-REM-15	7988	95,7	12,234	10,080	9,279	0,8	0,0014	2,154
IAGR-MM-HO-840-SS-REM-15	9900	126,3	12,234	10,080	9,279	0,8	0,0014	2,154
IAGR-MM-BO-935-SS-REM-15	5475	95,7	12,234	10,080	9,279	0,8	0,0014	2,154
IAGR-MM-HO-935-SS-REM-15	6750	126,3	12,234	10,080	9,279	0,8	0,0014	2,154
IAGR-MM-BO-840-SP-REM-15	15708	131	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-HO-840-SP-REM-15	19828	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-BO-835-SP-REM-15	14630	131	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-HO-835-SP-REM-15	18480	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-BO-840-FL-REM-15	15504	131	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-HO-840-FL-REM-15	19570	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-BO-835-FL-REM-15	14440	131	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-HO-835-FL-REM-15	18240	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-BO-840-WF-REM-15	15096	131	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-HO-840-WF-REM-15	19055	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-BO-835-WF-REM-15	14060	131	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-MM-HO-835-WF-REM-15	17760	175,7	13,034	10,880	9,279	1,6	0,0014	2,154
IAGR-LM-BO-822-SS-REM-15	8063	154,8	24,874	18,480	16,878	1,6	0,0019	6,394
IAGR-LM-HO-822-SS-REM-15	9825	193	24,874	18,480	16,878	1,6	0,0019	6,394
IAGR-LM-BO-827-SS-REM-15	10200	154,8	24,874	18,480	16,878	1,6	0,0019	6,394
IAGR-LM-HO-827-SS-REM-15	12450	193	24,874	18,480	16,878	1,6	0,0019	6,394
IAGR-LM-BO-830-SS-REM-15	10725	154,8	24,874	18,480	16,878	1,6	0,0019	6,394
IAGR-LM-HO-830-SS-REM-15	13125	193	24,874	18,480	16,878	1,6	0,0019	6,394
IAGR-LM-BO-840-SS-REM-15	11813	154,8	24,874	18,480	16,878	1,6	0,0019	6,394
IAGR-LM-HO-840-SS-REM-15	14438	193	24,874	18,480	16,878	1,6	0,0019	6,394
IAGR-LM-BO-935-SS-REM-15	8063	154,8	24,874	18,480	16,878	1,6	0,0019	6,394
IAGR-LM-HO-935-SS-REM-15	9825	193	24,874	18,480	16,878	1,6	0,0019	6,394
IAGR-LM-HE-822-SS-REM-15	9113	153,3	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-VHO-822-SS-REM-15	11438	203,3	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-BO-822-FL-REM-15	20368	215,5	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HO-822-FL-REM-15	24054	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HE-827-SS-REM-15	11550	153,3	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-VHO-827-SS-REM-15	14475	203,3	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-BO-827-SP-REM-15	23331	215,5	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HO-827-SP-REM-15	27528	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-BO-827-FL-REM-15	23028	215,5	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HO-827-FL-REM-15	27170	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-BO-827-WF-REM-15	22422	215,5	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HO-827-WF-REM-15	26455	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HE-830-SS-REM-15	12150	153,3	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-VHO-830-SS-REM-15	15225	203,3	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-BO-830-SP-REM-15	24255	215,5	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HO-830-SP-REM-15	28606	268,6	24,874	18,480	16,877	1,6	0,0030	6,394

IAGR-LM-BO-830-FL-REM-15	23940	215,5	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HO-830-FL-REM-15	28234	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-BO-830-WF-REM-15	23310	215,5	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HO-830-WF-REM-15	27491	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HE-840-SS-REM-15	13388	153,3	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-VHO-840-SS-REM-15	16763	203,3	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HE-935-SS-REM-15	9150	153,3	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-VHO-935-SS-REM-15	11438	203,3	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-BO-840-SP-REM-15	26026	215,5	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HO-840-SP-REM-15	30723	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-BO-835-SP-REM-15	24255	215,5	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HO-835-SP-REM-15	28606	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-BO-840-FL-REM-15	25688	215,5	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HO-840-FL-REM-15	30324	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-BO-835-FL-REM-15	23940	215,5	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HO-835-FL-REM-15	28234	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-BO-840-WF-REM-15	25012	215,5	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HO-840-WF-REM-15	29526	268,6	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-BO-835-WF-REM-15	23310	215,5	24,874	18,480	16,877	1,6	0,0030	6,394
IAGR-LM-HO-835-WF-REM-15	27491	268,6	24,874	18,480	16,877	1,6	0,0030	6,394



Bibliography

© 2023 Association PEP PSR-0014-ed2.0-EN-2023 07 13. According to PSR-model-ed1-EN-2015 03 20. PSR for luminaires.

© 2021 PEP Association. PCR-ed4-EN-2021 09 06. PCR for Electrical, Electronic and HVAC-R Products

ISO 14040:2006/A1:2020. Environmental management - Life Cycle Assessment - Principles and framework.

ISO 14044:2006/A1:2017/A2:2020. Environmental management - Life Cycle Assessment - Requirements and guidelines.