

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

Reference product: ET28



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

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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

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Reference product:

“Agorà Compact ET28”

The assessed product range covers outdoor lighting luminaires from the “Agorà Compact” 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 ET28 are described in the table below.

Characteristics	Unit	ET28
Product code	-	ET28
Light source	-	Integrated LED module
Power supply	-	PHILIPS Xi SNLDAE
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	9.386
Electrical power	W	86,9
Luminous efficiency	Lumen/W	107,9
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 9.386 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):

$$(1.000/9.386) \times (35.000/100.000) = 0,037$$

Homogeneous environmental family:

The reference product represents the Agorà Compact 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:

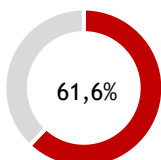
Agorà Compact	Unit	Value for the reference product	Minimum value in product range	Maximum value in product range
Electrical power	W	86,9	30,1	306,9
Useful output flux	Lumen	9.386	3.037	30.904
Weight	kg	9,35	7,0	22,46

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 Compact family, based on the technical parameters of the considered product, as requested by the PSR.



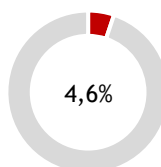
Constituent materials

METALS



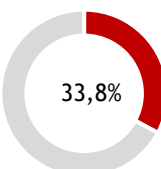
	kg	%
Aluminum	5,216	47,2
Steel	1,502	13,6
Brass	0,090	0,8

PLASTICS



Polymethyl methacrylate (PMMA)	0,229	2,1
Polycarbonate (PC)	0,200	1,8
Silicon	0,078	0,7
Polytetrafluoroethylene (PTFE)	0,003	<0,1
Polyamide (PA)	0,001	<0,1

OTHER MATERIALS



Electronical components	0,833	7,5
Glass	0,810	7,3
Chemicals	0,359	3,2
Paper	0,030	0,3
Cardboard - Packaging	0,971	8,8
Wood - Packaging	0,560	5,1
Plastic (LDPE, HDPE,PVC,PP) - Packaging	0,178	1,6

Total reference product	9,350	85,0%
Total packaging	1,709	15,0%
TOTAL	11,059	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.

ET28	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 ET28 luminaire, reported for life cycle stages:

Impact category	Unit	Total	Manufacturing	Distribution	Installation	Use	EoL	Module D
Climate change	kg CO ₂ eq	1,47E+02	1,81E+00	1,21E+00	7,82E-02	1,44E+02	1,52E-01	2,26E+00
Ozone depletion	kg CFC-11 eq	6,13E-06	3,43E-06	1,89E-08	1,25E-10	2,68E-06	2,16E-09	1,98E-08
Photochemical ozone formation	kg NMVOC eq	3,75E-01	6,07E-03	7,02E-03	2,43E-05	3,61E-01	5,64E-04	7,62E-03
Acidification	mol H ⁺ eq	5,27E-01	1,12E-02	5,13E-03	1,43E-05	5,09E-01	1,28E-03	1,39E-02
Eutrophication, freshwater	kg P eq	8,18E-02	6,47E-04	2,08E-05	2,05E-07	8,11E-02	2,54E-05	6,24E-04
Eutrophication, marine	kg N eq	1,02E-01	1,55E-03	2,07E-03	3,65E-05	9,78E-02	2,26E-04	2,47E-03
Eutrophication, terrestrial	mol N eq	9,83E-01	1,65E-02	2,22E-02	5,93E-05	9,43E-01	1,44E-03	2,55E-02
Water requirement	m ³ depriv.	4,21E+01	6,84E-01	2,97E-02	8,47E-04	4,13E+01	1,70E-02	2,02E-01
Abiotic resource depletion, fossils	MJ	2,50E+03	2,05E+01	1,58E+01	1,77E-02	2,47E+03	1,54E+00	1,98E+01
Abiotic resource depletion, m. and m.	kg Sb eq	1,46E-03	7,04E-05	4,78E-07	4,81E-09	1,39E-03	7,78E-07	-1,81E-05
Climate change - Fossil	kg CO ₂ eq	1,42E+02	1,78E+00	1,21E+00	1,06E-02	1,39E+02	1,48E-01	2,30E+00
Climate change - Biogenic	kg CO ₂ eq	4,86E+00	2,59E-02	2,89E-04	6,76E-02	4,76E+00	3,73E-03	-4,64E-02
Climate change - Land use and LU change	kg CO ₂ eq	2,37E-01	2,01E-03	1,27E-04	7,41E-07	2,35E-01	1,60E-04	3,29E-03

Results of mandatory indicators per unit of product (declared unit, 9.386 lumens during 100.000 hours) of ET28 luminaire, reported for life cycle stages:

Impact category	Unit	Total	Manufacturing	Distribution	Installation	Use	EoL	Module D
Climate change	kg CO ₂ eq	3,94E+03	4,86E+01	3,25E+01	2,10E+00	3,85E+03	4,08E+00	6,06E+01
Ozone depletion	kg CFC-11 eq	1,64E-04	9,20E-05	5,07E-07	3,36E-09	7,18E-05	5,79E-08	5,32E-07
Photochemical ozone formation	kg NMVOC eq	1,00E+01	1,63E-01	1,88E-01	6,51E-04	9,68E+00	1,51E-02	2,04E-01
Acidification	mol H ⁺ eq	1,41E+01	3,00E-01	1,38E-01	3,83E-04	1,37E+01	3,43E-02	3,74E-01
Eutrophication, freshwater	kg P eq	2,19E+00	1,73E-02	5,58E-04	5,49E-06	2,17E+00	6,81E-04	1,67E-02
Eutrophication, marine	kg N eq	2,73E+00	4,14E-02	5,55E-02	9,79E-04	2,62E+00	6,07E-03	6,63E-02
Eutrophication, terrestrial	mol N eq	2,64E+01	4,43E-01	5,94E-01	1,59E-03	2,53E+01	3,85E-02	6,83E-01
Water requirement	m ³ depriv.	1,13E+03	1,83E+01	7,97E-01	2,27E-02	1,11E+03	4,55E-01	5,41E+00
Abiotic resource depletion, fossils	MJ	6,72E+04	5,50E+02	4,24E+02	4,76E-01	6,61E+04	4,14E+01	5,31E+02
Abiotic resource depletion, m. and m.	kg Sb eq	3,91E-02	1,89E-03	1,28E-05	1,29E-07	3,72E-02	2,09E-05	-4,86E-04
Climate change - Fossil	kg CO ₂ eq	3,80E+03	4,78E+01	3,24E+01	2,85E-01	3,72E+03	3,98E+00	6,18E+01
Climate change - Biogenic	kg CO ₂ eq	1,30E+02	6,95E-01	7,75E-03	1,81E+00	1,28E+02	9,99E-02	-1,24E+00
Climate change - Land use and LU change	kg CO ₂ eq	6,35E+00	5,39E-02	3,39E-03	1,99E-05	6,29E+00	4,30E-03	8,82E-02

Results of mandatory indicators per F.U. (for 1.000 lumens during 35.000 hours) of ET28 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	1,47E+02	1,53E+00	3,32E-02	2,43E-01	1,21E+00	7,82E-02	1,44E+02	5,40E-02	9,83E-02	2,26E+00
Ozone depletion	kg CFC-11 eq	6,13E-06	3,42E-06	7,04E-10	9,06E-09	1,89E-08	1,25E-10	2,68E-06	9,97E-10	1,16E-09	1,98E-08
Photochemical ozone formation	kg NMVOC eq	3,75E-01	5,44E-03	1,58E-04	4,76E-04	7,02E-03	2,43E-05	3,61E-01	2,54E-04	3,11E-04	7,62E-03
Acidification	mol H ⁺ eq	5,27E-01	1,08E-02	1,05E-04	2,55E-04	5,13E-03	1,43E-05	5,09E-01	1,77E-04	1,10E-03	1,39E-02
Eutrophication, freshwater	kg P eq	8,18E-02	6,31E-04	2,26E-06	1,40E-05	2,08E-05	2,05E-07	8,11E-02	3,92E-06	2,15E-05	6,24E-04
Eutrophication, marine	kg N eq	1,02E-01	1,43E-03	3,63E-05	7,92E-05	2,07E-03	3,65E-05	9,78E-02	5,98E-05	1,66E-04	2,47E-03
Eutrophication, terrestrial	mol N eq	9,83E-01	1,54E-02	3,83E-04	6,91E-04	2,22E-02	5,93E-05	9,43E-01	6,33E-04	8,04E-04	2,55E-02
Water requirement	m ³ depriv.	4,21E+01	4,13E-01	1,89E-03	2,69E-01	2,97E-02	8,47E-04	4,13E+01	3,18E-03	1,38E-02	2,02E-01
Abiotic resource depletion, fossils	MJ	2,50E+03	1,72E+01	4,58E-01	2,86E+00	1,58E+01	1,77E-02	2,47E+03	7,43E-01	8,02E-01	1,98E+01
Abiotic resource depletion, minerals and metals	kg Sb eq	1,46E-03	6,95E-05	1,04E-07	7,46E-07	4,78E-07	4,81E-09	1,39E-03	1,68E-07	6,10E-07	-1,81E-05
Climate change - Fossil	kg CO ₂ eq	1,42E+02	1,52E+00	3,32E-02	2,29E-01	1,21E+00	1,06E-02	1,39E+02	5,39E-02	9,45E-02	2,30E+00
Climate change - Biogenic	kg CO ₂ eq	4,86E+00	1,15E-02	3,25E-05	1,44E-02	2,89E-04	6,76E-02	4,76E+00	4,04E-05	3,69E-03	-4,64E-02
Climate change - Land use and LU change	kg CO ₂ eq	2,37E-01	1,95E-03	1,58E-05	4,34E-05	1,27E-04	7,41E-07	2,35E-01	2,63E-05	1,34E-04	3,29E-03

Results of mandatory indicators per unit of product (declared unit, 891 lumens during 100.000 hours) of ET28 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	3,94E+03	4,12E+01	8,92E-01	6,53E+00	3,25E+01	2,10E+00	3,85E+03	1,45E+00	2,64E+00	6,06E+01
Ozone depletion	kg CFC-11 eq	1,64E-04	9,17E-05	1,89E-08	2,43E-07	5,07E-07	3,36E-09	7,18E-05	2,67E-08	3,12E-08	5,32E-07
Photochemical ozone formation	kg NMVOC eq	1,00E+01	1,46E-01	4,22E-03	1,28E-02	1,88E-01	6,51E-04	9,68E+00	6,80E-03	8,33E-03	2,04E-01
Acidification	mol H ⁺ eq	1,41E+01	2,90E-01	2,83E-03	6,84E-03	1,38E-01	3,83E-04	1,37E+01	4,75E-03	2,96E-02	3,74E-01
Eutrophication, freshwater	kg P eq	2,19E+00	1,69E-02	6,07E-05	3,75E-04	5,58E-04	5,49E-06	2,17E+00	1,05E-04	5,76E-04	1,67E-02
Eutrophication, marine	kg N eq	2,73E+00	3,83E-02	9,72E-04	2,12E-03	5,55E-02	9,79E-04	2,62E+00	1,60E-03	4,46E-03	6,63E-02
Eutrophication, terrestrial	mol N eq	2,64E+01	4,14E-01	1,03E-02	1,85E-02	5,94E-01	1,59E-03	2,53E+01	1,70E-02	2,15E-02	6,83E-01
Water requirement	m ³ depriv.	1,13E+03	1,11E+01	5,08E-02	7,22E+00	7,97E-01	2,27E-02	1,11E+03	8,53E-02	3,70E-01	5,41E+00
Abiotic resource depletion, fossils	MJ	6,72E+04	4,61E+02	1,23E+01	7,66E+01	4,24E+02	4,76E-01	6,61E+04	1,99E+01	2,15E+01	5,31E+02
Abiotic resource depletion, minerals and metals	kg Sb eq	3,91E-02	1,86E-03	2,78E-06	2,00E-05	1,28E-05	1,29E-07	3,72E-02	4,51E-06	1,64E-05	-4,86E-04
Climate change - Fossil	kg CO ₂ eq	3,80E+03	4,08E+01	8,90E-01	6,14E+00	3,24E+01	2,85E-01	3,72E+03	1,45E+00	2,53E+00	6,18E+01
Climate change - Biogenic	kg CO ₂ eq	1,30E+02	3,08E-01	8,71E-04	3,87E-01	7,75E-03	1,81E+00	1,28E+02	1,08E-03	9,88E-02	-1,24E+00
Climate change - Land use and LU change	kg CO ₂ eq	6,35E+00	5,23E-02	4,24E-04	1,16E-03	3,39E-03	1,99E-05	6,29E+00	7,06E-04	3,59E-03	8,82E-02

Results of mandatory indicators per unit of product (ET28 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	3,85E+03	-	-	-	-	-	3,85E+03	-
Ozone depletion	kg CFC-11 eq	7,18E-05	-	-	-	-	-	7,18E-05	-
Photochemical ozone formation	kg NMVOC eq	9,68E+00	-	-	-	-	-	9,68E+00	-
Acidification	mol H ⁺ eq	1,37E+01	-	-	-	-	-	1,37E+01	-
Eutrophication, freshwater	kg P eq	2,17E+00	-	-	-	-	-	2,17E+00	-
Eutrophication, marine	kg N eq	2,62E+00	-	-	-	-	-	2,62E+00	-
Eutrophication, terrestrial	mol N eq	2,53E+01	-	-	-	-	-	2,53E+01	-
Water requirement	m ³ depriv.	1,11E+03	-	-	-	-	-	1,11E+03	-
Abiotic resource depletion, fossils	MJ	6,61E+04	-	-	-	-	-	6,61E+04	-
Abiotic resource depletion, minerals and metals	kg Sb eq	3,72E-02	-	-	-	-	-	3,72E-02	-
Climate change - Fossil	kg CO ₂ eq	3,72E+03	-	-	-	-	-	3,72E+03	-
Climate change - Biogenic	kg CO ₂ eq	1,28E+02	-	-	-	-	-	1,28E+02	-
Climate change - Land use and LU change	kg CO ₂ eq	6,29E+00	-	-	-	-	-	6,29E+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):

Indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	EoL
Renewable primary energy (without raw material)	MJ	4,90E+02	3,14E+00	6,22E-02	3,54E-04	4,87E+02	1,74E-02
Renewable primary energy (raw material)	MJ	8,31E-01	8,31E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renewable primary energy	MJ	4,91E+02	3,97E+00	6,22E-02	3,54E-04	4,87E+02	1,74E-02
Non-renewable primary energy (without raw material)	MJ	2,68E+03	2,31E+01	1,68E+01	1,16E-02	2,64E+03	8,66E-01
Non-renewable primary energy (raw material)	MJ	1,39E+00	1,39E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of non-renewable primary energy	MJ	2,68E+03	2,45E+01	1,68E+01	1,16E-02	2,64E+03	8,66E-01
Use of secondary materials	kg	2,24E-01	2,24E-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	5,35E-04	5,35E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Hazardous waste disposed	kg	1,28E-03	1,28E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-hazardous waste disposed	kg	2,77E-01	3,70E-02	0,00E+00	0,00E+00	0,00E+00	2,40E-01
Radioactive waste disposed	kg	-	-	-	-	-	-
Components for reuse	kg	-	-	-	-	-	-
Materials for recycling	kg	1,14E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,14E-01
Materials for energy recovery	kg	2,09E-02	0,00E+00	0,00E+00	1,32E-02	0,00E+00	7,74E-03
Exported energy	MJ	-	-	-	-	-	-
Biogenic carbon content of the product	kg	2,34E-04	2,34E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Biogenic carbon content of the associated packaging	kg	1,54E-02	1,54E-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	1,32E+04	8,42E+01	1,67E+00	9,49E-03	1,31E+04	4,68E-01
Renewable primary energy (raw material)	MJ	2,23E+01	2,23E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renewable primary energy	MJ	1,32E+04	1,06E+02	1,67E+00	9,49E-03	1,31E+04	4,68E-01
Non-renewable primary energy (without raw material)	MJ	7,19E+04	6,20E+02	4,50E+02	3,10E-01	7,08E+04	2,32E+01
Non-renewable primary energy (raw material)	MJ	3,73E+01	3,73E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of non-renewable primary energy	MJ	7,19E+04	6,58E+02	4,50E+02	3,10E-01	7,08E+04	2,32E+01
Use of secondary materials	kg	6,00E+00	6,00E+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	1,43E-02	1,43E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Hazardous waste disposed	kg	3,42E-02	3,42E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-hazardous waste disposed	kg	7,42E+00	9,91E-01	0,00E+00	0,00E+00	0,00E+00	6,43E+00
Radioactive waste disposed	kg	-	-	-	-	-	-
Components for reuse	kg	-	-	-	-	-	-
Materials for recycling	kg	3,05E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	3,05E+00
Materials for energy recovery	kg	5,60E-01	0,00E+00	0,00E+00	3,53E-01	0,00E+00	2,07E-01
Exported energy	MJ	-	-	-	-	-	-
Biogenic carbon content of the product	kg	6,29E-03	6,29E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Biogenic carbon content of the associated packaging	kg	4,13E-01	4,13E-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 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 (ET28)
Lighting output [lumens]	9.386
Weight of light source [kg]	0,0008
Weight of luminaire structure [kg]	9,086
Weight of control gear [kg]	0,6
Weight of light management system [kg]	-
Weight of product including its light source (no packaging) [kg]	9,35
Weight of product including its packaging [kg]	11,396
Power [W]	86,9

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
UG59	0,73	0,71	0,67	0,41	0,72	0,73
UG60	0,73	0,71	0,67	0,35	0,72	0,73
UG61	0,73	0,71	0,67	0,35	0,72	0,73
UG64	0,73	0,71	0,67	0,41	0,72	0,73
UG65	0,73	0,71	0,67	0,35	0,72	0,73
UG66	0,73	0,71	0,67	0,35	0,72	0,73
UG67	0,73	0,71	0,67	0,35	0,72	0,73
UG68	0,73	0,71	0,67	0,35	0,72	0,73
UG71	0,73	0,71	0,67	0,41	0,72	0,73
UG72	0,73	0,71	0,67	0,35	0,72	0,73
UG73	0,73	0,71	0,67	0,35	0,72	0,73
UG74	0,73	0,71	0,67	0,35	0,72	0,73
UG75	0,73	0,71	0,67	0,35	0,72	0,73
UG78	0,73	0,71	0,67	0,41	0,72	0,73
UG79	0,73	0,71	0,67	0,35	0,72	0,73
UG80	0,73	0,71	0,67	0,35	0,72	0,73
UG81	0,73	0,71	0,67	0,35	0,72	0,73
UG82	0,73	0,71	0,67	0,35	0,72	0,73
UG85	0,73	0,71	0,67	0,46	0,72	0,73
UG86	0,73	0,71	0,67	0,44	0,72	0,73
UG87	0,73	0,71	0,67	0,44	0,72	0,73
UG90	0,73	0,71	0,67	0,46	0,72	0,73
UG91	0,73	0,71	0,67	0,44	0,72	0,73
UG92	0,73	0,71	0,67	0,44	0,72	0,73
UG93	0,73	0,71	0,67	0,44	0,72	0,73
UG94	0,73	0,71	0,67	0,44	0,72	0,73
UG97	0,73	0,71	0,67	0,46	0,72	0,73
UG98	0,73	0,71	0,67	0,44	0,72	0,73
UG99	0,73	0,71	0,67	0,44	0,72	0,73
UH00	0,73	0,71	0,67	0,44	0,72	0,73
UH01	0,73	0,71	0,67	0,44	0,72	0,73
UH04	0,73	0,71	0,67	0,46	0,72	0,73
UH05	0,73	0,71	0,67	0,44	0,72	0,73
UH06	0,73	0,71	0,67	0,44	0,72	0,73
UH07	0,73	0,71	0,67	0,44	0,72	0,73
UH08	0,73	0,71	0,67	0,44	0,72	0,73
UG62	0,73	0,71	0,67	0,30	0,72	0,73
UG63	0,73	0,71	0,67	0,30	0,72	0,73
S080	0,73	0,71	0,67	0,30	0,72	0,73
S081	0,73	0,71	0,67	0,30	0,72	0,73
UG76	0,73	0,71	0,67	0,30	0,72	0,73
UG77	0,73	0,71	0,67	0,30	0,72	0,73
S082	0,73	0,71	0,67	0,30	0,72	0,73

S083	0,73	0,71	0,67	0,30	0,72	0,73
UG83	0,73	0,71	0,67	0,30	0,72	0,73
UG84	0,73	0,71	0,67	0,30	0,72	0,73
S084	0,73	0,71	0,67	0,30	0,72	0,73
S085	0,73	0,71	0,67	0,30	0,72	0,73
UG88	0,73	0,71	0,67	0,36	0,72	0,73
UG89	0,73	0,71	0,67	0,36	0,72	0,73
S086	0,73	0,71	0,67	0,36	0,72	0,73
S087	0,73	0,71	0,67	0,36	0,72	0,73
UH02	0,73	0,71	0,67	0,36	0,72	0,73
UH03	0,73	0,71	0,67	0,36	0,72	0,73
S088	0,73	0,71	0,67	0,36	0,72	0,73
S089	0,73	0,71	0,67	0,36	0,72	0,73
UH09	0,73	0,71	0,67	0,36	0,72	0,73
UH10	0,73	0,71	0,67	0,36	0,72	0,73
S090	0,73	0,71	0,67	0,36	0,72	0,73
S091	0,73	0,71	0,67	0,36	0,72	0,73
S110	0,73	0,71	0,67	0,30	0,72	0,73
S111	0,73	0,71	0,67	0,30	0,72	0,73
S112	0,73	0,71	0,67	0,30	0,72	0,73
S113	0,73	0,71	0,67	0,30	0,72	0,73
S114	0,73	0,71	0,67	0,30	0,72	0,73
S115	0,73	0,71	0,67	0,30	0,72	0,73
S116	0,73	0,71	0,67	0,30	0,72	0,73
S117	0,73	0,71	0,67	0,30	0,72	0,73
S118	0,73	0,71	0,67	0,30	0,72	0,73
S119	0,73	0,71	0,67	0,30	0,72	0,73
S120	0,73	0,71	0,67	0,30	0,72	0,73
S121	0,73	0,71	0,67	0,30	0,72	0,73
S122	0,73	0,71	0,67	0,36	0,72	0,73
S123	0,73	0,71	0,67	0,36	0,72	0,73
S124	0,73	0,71	0,67	0,36	0,72	0,73
S125	0,73	0,71	0,67	0,36	0,72	0,73
S126	0,73	0,71	0,67	0,36	0,72	0,73
S127	0,73	0,71	0,67	0,36	0,72	0,73
S128	0,73	0,71	0,67	0,36	0,72	0,73
S129	0,73	0,71	0,67	0,36	0,72	0,73
S130	0,73	0,71	0,67	0,36	0,72	0,73
S131	0,73	0,71	0,67	0,36	0,72	0,73
S132	0,73	0,71	0,67	0,36	0,72	0,73
S133	0,73	0,71	0,67	0,36	0,72	0,73
N456	1,00	1,00	1,00	0,58	1,00	1,00
N457	1,00	1,00	1,00	0,58	1,00	1,00
N458	1,00	1,00	1,00	0,58	1,00	1,00
N459	1,00	1,00	1,00	0,58	1,00	1,00
N460	1,00	1,00	1,00	0,58	1,00	1,00
N461	1,00	1,00	1,00	0,58	1,00	1,00
N462	1,00	1,00	1,00	0,58	1,00	1,00
N463	1,00	1,00	1,00	0,58	1,00	1,00

N464	1,00	1,00	1,00	0,58	1,00	1,00
N465	1,00	1,00	1,00	0,58	1,00	1,00
N466	1,00	1,00	1,00	0,58	1,00	1,00
N467	1,00	1,00	1,00	0,58	1,00	1,00
N468	1,00	1,00	1,00	0,58	1,00	1,00
N469	1,00	1,00	1,00	0,58	1,00	1,00
N470	1,00	1,00	1,00	0,83	1,00	1,00
N471	1,00	1,00	1,00	0,83	1,00	1,00
N472	1,00	1,00	1,00	0,83	1,00	1,00
N473	1,00	1,00	1,00	0,83	1,00	1,00
N474	1,00	1,00	1,00	0,83	1,00	1,00
N475	1,00	1,00	1,00	0,83	1,00	1,00
N476	1,00	1,00	1,00	0,83	1,00	1,00
N477	1,00	1,00	1,00	0,83	1,00	1,00
N478	1,00	1,00	1,00	0,83	1,00	1,00
N479	1,00	1,00	1,00	0,83	1,00	1,00
N480	1,00	1,00	1,00	0,83	1,00	1,00
N481	1,00	1,00	1,00	0,83	1,00	1,00
N482	1,00	1,00	1,00	0,83	1,00	1,00
N483	1,00	1,00	1,00	0,83	1,00	1,00
ES94	1,00	1,00	1,00	0,62	1,00	1,00
ES95	1,00	1,00	1,00	0,73	1,00	1,00
ES96	1,00	1,00	1,00	0,73	1,00	1,00
ES97	1,00	1,00	1,00	0,62	1,00	1,00
ES98	1,00	1,00	1,00	0,73	1,00	1,00
ES99	1,00	1,00	1,00	0,73	1,00	1,00
ET00	1,00	1,00	1,00	0,73	1,00	1,00
ET01	1,00	1,00	1,00	0,73	1,00	1,00
ET02	1,00	1,00	1,00	0,62	1,00	1,00
ET03	1,00	1,00	1,00	0,73	1,00	1,00
ET04	1,00	1,00	1,00	0,73	1,00	1,00
ET05	1,00	1,00	1,00	0,73	1,00	1,00
ET06	1,00	1,00	1,00	0,73	1,00	1,00
ET07	1,00	1,00	1,00	0,62	1,00	1,00
ET08	1,00	1,00	1,00	0,73	1,00	1,00
ET09	1,00	1,00	1,00	0,73	1,00	1,00
ET10	1,00	1,00	1,00	0,73	1,00	1,00
ET11	1,00	1,00	1,00	0,73	1,00	1,00
ET12	1,00	1,00	1,00	0,82	1,00	1,00
ET13	1,00	1,00	1,00	1,00	1,00	1,00
ET14	1,00	1,00	1,00	1,00	1,00	1,00
ET15	1,00	1,00	1,00	0,82	1,00	1,00
ET16	1,00	1,00	1,00	1,00	1,00	1,00
ET17	1,00	1,00	1,00	1,00	1,00	1,00
ET18	1,00	1,00	1,00	1,00	1,00	1,00
ET19	1,00	1,00	1,00	1,00	1,00	1,00
ET20	1,00	1,00	1,00	0,82	1,00	1,00
ET21	1,00	1,00	1,00	1,00	1,00	1,00
ET22	1,00	1,00	1,00	1,00	1,00	1,00

ET23	1,00	1,00	1,00	1,00	1,00	1,00
ET24	1,00	1,00	1,00	1,00	1,00	1,00
ET25	1,00	1,00	1,00	0,82	1,00	1,00
ET26	1,00	1,00	1,00	1,00	1,00	1,00
ET27	1,00	1,00	1,00	1,00	1,00	1,00
ET28	1,00	1,00	1,00	1,00	1,00	1,00
ET29	1,00	1,00	1,00	1,00	1,00	1,00
ET30	1,00	1,00	1,00	0,62	1,00	1,00
ET31	1,00	1,00	1,00	0,73	1,00	1,00
ET32	1,00	1,00	1,00	0,73	1,00	1,00
ET33	1,00	1,00	1,00	0,73	1,00	1,00
ET34	1,00	1,00	1,00	0,73	1,00	1,00
2749	1,00	1,00	1,00	0,70	1,00	1,00
ET35	1,00	1,00	1,00	0,70	1,00	1,00
ET36	1,00	1,00	1,00	0,70	1,00	1,00
ET37	1,00	1,00	1,00	0,70	1,00	1,00
2750	1,00	1,00	1,00	0,70	1,00	1,00
ET38	1,00	1,00	1,00	0,81	1,00	1,00
ET39	1,00	1,00	1,00	1,00	1,00	1,00
ET40	1,00	1,00	1,00	1,00	1,00	1,00
ET41	1,00	1,00	1,00	1,00	1,00	1,00
ET42	1,00	1,00	1,00	1,00	1,00	1,00
2751	1,00	1,00	1,00	0,87	1,00	1,00
ET43	1,00	1,00	1,00	0,87	1,00	1,00
ET44	1,00	1,00	1,00	0,87	1,00	1,00
ET45	1,00	1,00	1,00	0,87	1,00	1,00
2752	1,00	1,00	1,00	0,87	1,00	1,00
S158	1,03	1,00	1,00	0,35	1,00	1,03
S159	1,03	1,00	1,00	0,35	1,00	1,03
S160	1,03	1,00	1,00	0,35	1,00	1,03
S161	1,03	1,00	1,00	0,35	1,00	1,03
S162	1,03	1,00	1,00	0,35	1,00	1,03
S163	1,03	1,00	1,00	0,35	1,00	1,03
S164	1,03	1,00	1,00	0,35	1,00	1,03
S165	1,03	1,00	1,00	0,35	1,00	1,03
S166	1,03	1,00	1,00	0,35	1,00	1,03
S167	1,03	1,00	1,00	0,35	1,00	1,03
S168	1,03	1,00	1,00	0,35	1,00	1,03
S169	1,03	1,00	1,00	0,35	1,00	1,03
S170	1,03	1,00	1,00	0,41	1,00	1,03
S171	1,03	1,00	1,00	0,41	1,00	1,03
S172	1,03	1,00	1,00	0,41	1,00	1,03
S173	1,03	1,00	1,00	0,41	1,00	1,03
S174	1,03	1,00	1,00	0,41	1,00	1,03
S175	1,03	1,00	1,00	0,41	1,00	1,03
S176	1,03	1,00	1,00	0,41	1,00	1,03
S177	1,03	1,00	1,00	0,41	1,00	1,03
S178	1,03	1,00	1,00	0,41	1,00	1,03
S179	1,03	1,00	1,00	0,41	1,00	1,03

S180	1,03	1,00	1,00	0,41	1,00	1,03
S181	1,03	1,00	1,00	0,41	1,00	1,03
S182	1,03	1,00	1,00	0,46	1,00	1,03
S183	1,03	1,00	1,00	0,46	1,00	1,03
S184	1,03	1,00	1,00	0,46	1,00	1,03
S185	1,03	1,00	1,00	0,46	1,00	1,03
S186	1,03	1,00	1,00	0,46	1,00	1,03
S187	1,03	1,00	1,00	0,46	1,00	1,03
S188	1,03	1,00	1,00	0,46	1,00	1,03
S189	1,03	1,00	1,00	0,46	1,00	1,03
S190	1,03	1,00	1,00	0,46	1,00	1,03
S191	1,03	1,00	1,00	0,46	1,00	1,03
S192	1,03	1,00	1,00	0,46	1,00	1,03
S193	1,03	1,00	1,00	0,46	1,00	1,03
S194	1,03	1,00	1,00	0,58	1,00	1,03
S195	1,03	1,00	1,00	0,58	1,00	1,03
S196	1,03	1,00	1,00	0,58	1,00	1,03
S197	1,03	1,00	1,00	0,58	1,00	1,03
S198	1,03	1,00	1,00	0,58	1,00	1,03
S199	1,03	1,00	1,00	0,58	1,00	1,03
S200	1,03	1,00	1,00	0,58	1,00	1,03
S201	1,03	1,00	1,00	0,58	1,00	1,03
S202	1,03	1,00	1,00	0,58	1,00	1,03
S203	1,03	1,00	1,00	0,58	1,00	1,03
S204	1,03	1,00	1,00	0,58	1,00	1,03
S205	1,03	1,00	1,00	0,58	1,00	1,03
S254	1,03	1,00	1,00	0,35	1,00	1,03
S255	1,03	1,00	1,00	0,35	1,00	1,03
S256	1,03	1,00	1,00	0,35	1,00	1,03
S257	1,03	1,00	1,00	0,35	1,00	1,03
S258	1,03	1,00	1,00	0,35	1,00	1,03
S259	1,03	1,00	1,00	0,35	1,00	1,03
S260	1,03	1,00	1,00	0,35	1,00	1,03
S261	1,03	1,00	1,00	0,35	1,00	1,03
S262	1,03	1,00	1,00	0,35	1,00	1,03
S263	1,03	1,00	1,00	0,35	1,00	1,03
S264	1,03	1,00	1,00	0,35	1,00	1,03
S265	1,03	1,00	1,00	0,35	1,00	1,03
S266	1,03	1,00	1,00	0,41	1,00	1,03
S267	1,03	1,00	1,00	0,41	1,00	1,03
S268	1,03	1,00	1,00	0,41	1,00	1,03
S269	1,03	1,00	1,00	0,41	1,00	1,03
S270	1,03	1,00	1,00	0,41	1,00	1,03
S271	1,03	1,00	1,00	0,41	1,00	1,03
S272	1,03	1,00	1,00	0,41	1,00	1,03
S273	1,03	1,00	1,00	0,41	1,00	1,03
S274	1,03	1,00	1,00	0,41	1,00	1,03
S275	1,03	1,00	1,00	0,41	1,00	1,03
S276	1,03	1,00	1,00	0,41	1,00	1,03

S277	1,03	1,00	1,00	0,41	1,00	1,03
S278	1,03	1,00	1,00	0,46	1,00	1,03
S279	1,03	1,00	1,00	0,46	1,00	1,03
S280	1,03	1,00	1,00	0,46	1,00	1,03
S281	1,03	1,00	1,00	0,46	1,00	1,03
S282	1,03	1,00	1,00	0,46	1,00	1,03
S283	1,03	1,00	1,00	0,46	1,00	1,03
S284	1,03	1,00	1,00	0,46	1,00	1,03
S285	1,03	1,00	1,00	0,46	1,00	1,03
S286	1,03	1,00	1,00	0,46	1,00	1,03
S287	1,03	1,00	1,00	0,46	1,00	1,03
S288	1,03	1,00	1,00	0,46	1,00	1,03
S289	1,03	1,00	1,00	0,46	1,00	1,03
S290	1,03	1,00	1,00	0,58	1,00	1,03
S291	1,03	1,00	1,00	0,58	1,00	1,03
S292	1,03	1,00	1,00	0,58	1,00	1,03
S293	1,03	1,00	1,00	0,58	1,00	1,03
S294	1,03	1,00	1,00	0,58	1,00	1,03
S295	1,03	1,00	1,00	0,58	1,00	1,03
S296	1,03	1,00	1,00	0,58	1,00	1,03
S297	1,03	1,00	1,00	0,58	1,00	1,03
S298	1,03	1,00	1,00	0,58	1,00	1,03
S299	1,03	1,00	1,00	0,58	1,00	1,03
S300	1,03	1,00	1,00	0,58	1,00	1,03
S301	1,03	1,00	1,00	0,58	1,00	1,03
ET82	1,58	1,55	2,01	1,03	1,46	1,58
ET83	1,58	1,55	2,01	1,48	1,46	1,58
ET84	1,58	1,55	2,01	1,03	1,46	1,58
ET85	1,58	1,55	2,01	1,48	1,46	1,58
ET86	1,58	1,55	2,01	1,48	1,46	1,58
ET87	1,58	1,55	2,01	1,48	1,46	1,58
ET88	1,58	1,55	2,01	1,03	1,46	1,58
ET89	1,58	1,55	2,01	1,48	1,46	1,58
ET90	1,58	1,55	2,01	1,48	1,46	1,58
ET91	1,58	1,55	2,01	1,48	1,46	1,58
ET92	1,58	1,55	2,01	1,03	1,46	1,58
ET93	1,58	1,55	2,01	1,48	1,46	1,58
ET94	1,58	1,55	2,01	1,48	1,46	1,58
ET95	1,58	1,55	2,01	1,48	1,46	1,58
ET96	1,58	1,55	2,01	1,40	1,46	1,58
ET97	1,58	1,55	2,01	1,86	1,46	1,58
ET98	1,58	1,55	2,01	1,40	1,46	1,58
ET99	1,58	1,55	2,01	1,86	1,46	1,58
EU00	1,58	1,55	2,01	1,86	1,46	1,58
EU01	1,58	1,55	2,01	1,86	1,46	1,58
EU02	1,58	1,55	2,01	1,40	1,46	1,58
EU03	1,58	1,55	2,01	1,86	1,46	1,58
EU04	1,58	1,55	2,01	1,86	1,46	1,58
EU05	1,58	1,55	2,01	1,86	1,46	1,58

EU06	1,58	1,55	2,01	1,40	1,46	1,58
EU07	1,58	1,55	2,01	1,86	1,46	1,58
EU08	1,58	1,55	2,01	1,86	1,46	1,58
EU09	1,58	1,55	2,01	1,86	1,46	1,58
EU10	1,58	1,55	2,01	1,01	1,46	1,58
EU11	1,58	1,55	2,01	1,45	1,46	1,58
EU12	1,58	1,55	2,01	1,45	1,46	1,58
EU13	1,58	1,55	2,01	1,45	1,46	1,58
2753	1,58	1,55	2,01	1,09	1,46	1,58
EU14	1,58	1,55	2,01	1,09	1,46	1,58
EU15	1,58	1,55	2,01	1,09	1,46	1,58
EU16	1,58	1,55	2,01	1,09	1,46	1,58
EU17	1,58	1,55	2,01	1,38	1,46	1,58
EU18	1,58	1,55	2,01	1,82	1,46	1,58
EU19	1,58	1,55	2,01	1,82	1,46	1,58
EU20	1,58	1,55	2,01	1,82	1,46	1,58
2754	1,58	1,55	2,01	1,37	1,46	1,58
EU21	1,58	1,55	2,01	1,37	1,46	1,58
EU22	1,58	1,55	2,01	1,37	1,46	1,58
EU23	1,58	1,55	2,01	1,37	1,46	1,58
EU52	2,54	2,47	3,38	1,58	2,30	2,54
EU54	2,54	2,47	3,38	1,58	2,30	2,54
EU58	2,54	2,47	3,38	1,58	2,30	2,54
EU62	2,54	2,47	3,38	1,58	2,30	2,54
EU66	2,54	2,47	3,38	2,03	2,30	2,54
EU68	2,54	2,47	3,38	2,03	2,30	2,54
EU72	2,54	2,47	3,38	2,03	2,30	2,54
EU76	2,54	2,47	3,38	2,03	2,30	2,54
EV08	2,54	2,47	3,38	1,83	2,30	2,54
EV09	2,54	2,47	3,38	2,56	2,30	2,54
EV10	2,54	2,47	3,38	1,83	2,30	2,54
EV11	2,54	2,47	3,38	2,56	2,30	2,54
EV12	2,54	2,47	3,38	2,56	2,30	2,54
EV13	2,54	2,47	3,38	2,56	2,30	2,54
EV14	2,54	2,47	3,38	1,83	2,30	2,54
EV15	2,54	2,47	3,38	2,56	2,30	2,54
EV16	2,54	2,47	3,38	2,56	2,30	2,54
EV17	2,54	2,47	3,38	2,56	2,30	2,54
EV18	2,54	2,47	3,38	1,83	2,30	2,54
EV19	2,54	2,47	3,38	2,56	2,30	2,54
EV20	2,54	2,47	3,38	2,56	2,30	2,54
EV21	2,54	2,47	3,38	2,56	2,30	2,54
EV22	2,54	2,47	3,38	2,39	2,30	2,54
EV23	2,54	2,47	3,38	3,08	2,30	2,54
EV24	2,54	2,47	3,38	2,39	2,30	2,54
EV25	2,54	2,47	3,38	3,08	2,30	2,54
EV26	2,54	2,47	3,38	3,08	2,30	2,54
EV27	2,54	2,47	3,38	3,08	2,30	2,54
EV28	2,54	2,47	3,38	2,39	2,30	2,54

EV29	2,54	2,47	3,38	3,08	2,30	2,54
EV30	2,54	2,47	3,38	3,08	2,30	2,54
EV31	2,54	2,47	3,38	3,08	2,30	2,54
EV32	2,54	2,47	3,38	2,39	2,30	2,54
EV33	2,54	2,47	3,38	3,08	2,30	2,54
EV34	2,54	2,47	3,38	3,08	2,30	2,54
EV35	2,54	2,47	3,38	3,08	2,30	2,54
EV36	2,54	2,47	3,38	1,86	2,30	2,54
EV37	2,54	2,47	3,38	2,52	2,30	2,54
EV38	2,54	2,47	3,38	2,52	2,30	2,54
EV39	2,54	2,47	3,38	2,52	2,30	2,54
2755	2,54	2,47	3,38	1,79	2,30	2,54
EV40	2,54	2,47	3,38	1,79	2,30	2,54
EV41	2,54	2,47	3,38	1,79	2,30	2,54
EV42	2,54	2,47	3,38	1,79	2,30	2,54
EV43	2,54	2,47	3,38	2,38	2,30	2,54
EV44	2,54	2,47	3,38	3,11	2,30	2,54
EV45	2,54	2,47	3,38	3,11	2,30	2,54
EV46	2,54	2,47	3,38	3,11	2,30	2,54
2756	2,54	2,47	3,38	2,28	2,30	2,54
EV47	2,54	2,47	3,38	2,28	2,30	2,54
EV48	2,54	2,47	3,38	2,28	2,30	2,54
EV49	2,54	2,47	3,38	2,28	2,30	2,54
EV78	2,67	2,55	3,83	2,90	2,32	2,67
EV79	2,67	2,55	3,83	2,90	2,32	2,67
EV80	2,67	2,55	3,83	2,90	2,32	2,67
EV81	2,67	2,55	3,83	2,90	2,32	2,67
EV82	2,67	2,55	3,83	2,90	2,32	2,67
EV83	2,67	2,55	3,83	2,90	2,32	2,67
EV84	2,67	2,55	3,83	2,90	2,32	2,67
EV85	2,67	2,55	3,83	2,90	2,32	2,67
EV86	2,67	2,55	3,83	2,90	2,32	2,67
EV87	2,67	2,55	3,83	2,90	2,32	2,67
EV88	2,67	2,55	3,83	2,90	2,32	2,67
EV89	2,67	2,55	3,83	2,90	2,32	2,67
EV90	2,67	2,55	3,83	3,44	2,32	2,67
EV91	2,67	2,55	3,83	3,44	2,32	2,67
EV92	2,67	2,55	3,83	3,44	2,32	2,67
EV93	2,67	2,55	3,83	3,53	2,32	2,67
EV94	2,67	2,55	3,83	3,53	2,32	2,67
EV95	2,67	2,55	3,83	3,53	2,32	2,67
EV96	2,67	2,55	3,83	3,53	2,32	2,67
EV97	2,67	2,55	3,83	3,53	2,32	2,67
EV98	2,67	2,55	3,83	3,53	2,32	2,67
EV99	2,67	2,55	3,83	3,53	2,32	2,67
EW00	2,67	2,55	3,83	3,53	2,32	2,67
EW01	2,67	2,55	3,83	3,53	2,32	2,67

Product code	Manufacturing	Distribution	Installation	Use	EoL	Module D
IAGR-NM-BO-822-SS-UNV-15-D10	0,696	0,693	0,667	0,434	0,723	0,696
IAGR-NM-BO-822-FL-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-BO-822-WW-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-BO-827-SS-UNV-15-D10	0,696	0,693	0,667	0,434	0,723	0,696
IAGR-NM-BO-827-SP-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-BO-827-FL-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-BO-827-WF-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-BO-827-WW-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-BO-830-SS-UNV-15-D10	0,696	0,693	0,667	0,434	0,723	0,696
IAGR-NM-BO-830-SP-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-BO-830-FL-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-BO-830-WF-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-BO-830-WW-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-BO-840-SS-UNV-15-D10	0,696	0,693	0,667	0,434	0,723	0,696
IAGR-NM-BO-840-SP-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-BO-840-FL-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-BO-840-WF-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-BO-840-WW-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-HO-822-SS-UNV-15-D10	0,696	0,693	0,667	0,486	0,723	0,696
IAGR-NM-HO-822-FL-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-HO-822-WW-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-HO-827-SS-UNV-15-D10	0,696	0,693	0,667	0,486	0,723	0,696
IAGR-NM-HO-827-SP-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-HO-827-FL-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-HO-827-WW-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-HO-830-SS-UNV-15-D10	0,696	0,693	0,667	0,486	0,723	0,696
IAGR-NM-HO-830-SP-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-HO-830-FL-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-HO-830-WF-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-HO-830-WW-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-HO-840-SS-UNV-15-D10	0,696	0,693	0,667	0,486	0,723	0,696
IAGR-NM-HO-840-SP-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-HO-840-FL-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-HO-840-WF-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-HO-840-WW-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-SM-HE-822-FL-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-HE-822-WW-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-HE-827-SP-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-HE-827-FL-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-HE-827-WF-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-HE-827-WW-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-HE-830-SP-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-HE-830-FL-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-HE-830-WF-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-HE-830-WW-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-HE-840-SP-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-HE-840-FL-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973

IAGR-SM-HE-840-WF-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-HE-840-WW-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-BO-822-FL-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-BO-822-WW-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-BO-827-SP-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-BO-827-FL-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-BO-827-WF-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-BO-827-WW-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-BO-830-SP-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-BO-830-FL-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-BO-830-WF-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-BO-830-WW-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-BO-840-SP-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-BO-840-FL-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-BO-840-WF-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-BO-840-WW-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-HO-822-SS-UNV-15-D10	0,973	0,970	1,000	0,603	1,000	0,973
IAGR-SM-HO-822-FL-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-HO-822-WW-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-HO-827-SS-UNV-15-D10	0,973	0,970	1,000	0,603	1,000	0,973
IAGR-SM-HO-827-SP-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-HO-827-FL-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-HO-827-WF-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-HO-827-WW-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-HO-830-SS-UNV-15-D10	0,973	0,970	1,000	0,603	1,000	0,973
IAGR-SM-HO-830-SP-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-HO-830-FL-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-HO-830-WF-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-HO-830-WW-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-HO-840-SS-UNV-15-D10	0,973	0,970	1,000	0,603	1,000	0,973
IAGR-SM-HO-840-SP-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-HO-840-FL-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-HO-840-WF-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-HO-840-WW-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-VHO-822-SS-UNV-15-D10	0,973	0,970	1,000	0,803	1,000	0,973
IAGR-SM-VHO-822-FL-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-VHO-822-WW-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-VHO-827-SS-UNV-15-D10	0,973	0,970	1,000	0,803	1,000	0,973
IAGR-SM-VHO-827-SP-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-VHO-827-FL-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-VHO-827-WF-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-VHO-827-WW-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-VHO-830-SS-UNV-15-D10	0,973	0,970	1,000	0,803	1,000	0,973
IAGR-SM-VHO-830-SP-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-VHO-830-FL-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-VHO-830-WF-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-VHO-830-WW-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-VHO-840-SS-UNV-15-D10	0,973	0,970	1,000	0,803	1,000	0,973
IAGR-SM-VHO-840-SP-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973

IAGR-SM-VHO-840-FL-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-VHO-840-WF-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-VHO-840-WW-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-MM-BO-822-SS-UNV-15-D10	1,537	1,501	2,013	1,104	1,462	1,537
IAGR-MM-BO-822-FL-UNV-15-D10	1,537	1,501	2,013	1,450	1,462	1,537
IAGR-MM-BO-827-SS-UNV-15-D10	1,537	1,501	2,013	1,104	1,462	1,537
IAGR-MM-BO-827-SP-UNV-15-D10	1,537	1,501	2,013	1,450	1,462	1,537
IAGR-MM-BO-827-FL-UNV-15-D10	1,537	1,501	2,013	1,450	1,462	1,537
IAGR-MM-BO-827-WF-UNV-15-D10	1,537	1,501	2,013	1,450	1,462	1,537
IAGR-MM-BO-830-SS-UNV-15-D10	1,537	1,501	2,013	1,104	1,462	1,537
IAGR-MM-BO-830-SP-UNV-15-D10	1,537	1,501	2,013	1,450	1,462	1,537
IAGR-MM-BO-830-FL-UNV-15-D10	1,537	1,501	2,013	1,450	1,462	1,537
IAGR-MM-BO-830-WF-UNV-15-D10	1,537	1,501	2,013	1,450	1,462	1,537
IAGR-MM-BO-840-SS-UNV-15-D10	1,537	1,501	2,013	1,104	1,462	1,537
IAGR-MM-BO-840-SP-UNV-15-D10	1,537	1,501	2,013	1,450	1,462	1,537
IAGR-MM-BO-840-FL-UNV-15-D10	1,537	1,501	2,013	1,450	1,462	1,537
IAGR-MM-BO-840-WF-UNV-15-D10	1,537	1,501	2,013	1,450	1,462	1,537
IAGR-MM-HO-822-SS-UNV-15-D10	1,537	1,501	2,013	1,436	1,462	1,537
IAGR-MM-HO-822-FL-UNV-15-D10	1,537	1,501	2,013	1,868	1,462	1,537
IAGR-MM-HO-827-SS-UNV-15-D10	1,537	1,501	2,013	1,436	1,462	1,537
IAGR-MM-HO-827-SP-UNV-15-D10	1,537	1,501	2,013	1,868	1,462	1,537
IAGR-MM-HO-827-FL-UNV-15-D10	1,537	1,501	2,013	1,868	1,462	1,537
IAGR-MM-HO-827-WF-UNV-15-D10	1,537	1,501	2,013	1,868	1,462	1,537
IAGR-MM-HO-830-SS-UNV-15-D10	1,537	1,501	2,013	1,436	1,462	1,537
IAGR-MM-HO-830-SP-UNV-15-D10	1,537	1,501	2,013	1,868	1,462	1,537
IAGR-MM-HO-830-FL-UNV-15-D10	1,537	1,501	2,013	1,868	1,462	1,537
IAGR-MM-HO-830-WF-UNV-15-D10	1,537	1,501	2,013	1,868	1,462	1,537
IAGR-MM-HO-840-SS-UNV-15-D10	1,537	1,501	2,013	1,436	1,462	1,537
IAGR-MM-HO-840-SP-UNV-15-D10	1,537	1,501	2,013	1,868	1,462	1,537
IAGR-MM-HO-840-FL-UNV-15-D10	1,537	1,501	2,013	1,868	1,462	1,537
IAGR-MM-HO-840-WF-UNV-15-D10	1,537	1,501	2,013	1,868	1,462	1,537
IAGR-LM-BO-822-SS-UNV-15-D10	2,469	2,393	3,376	1,563	2,300	2,469
IAGR-LM-BO-827-SS-UNV-15-D10	2,469	2,393	3,376	1,563	2,300	2,469
IAGR-LM-BO-830-SS-UNV-15-D10	2,469	2,393	3,376	1,563	2,300	2,469
IAGR-LM-BO-840-SS-UNV-15-D10	2,469	2,393	3,376	1,563	2,300	2,469
IAGR-LM-HO-822-SS-UNV-15-D10	2,469	2,393	3,376	2,015	2,300	2,469
IAGR-LM-HO-827-SS-UNV-15-D10	2,469	2,393	3,376	2,015	2,300	2,469
IAGR-LM-HO-830-SS-UNV-15-D10	2,469	2,393	3,376	2,015	2,300	2,469
IAGR-LM-HO-840-SS-UNV-15-D10	2,469	2,393	3,376	2,015	2,300	2,469
IAGR-LM-HE-822-SS-UNV-15-D10	2,469	2,393	3,376	1,769	2,300	2,469
IAGR-LM-BO-822-FL-UNV-15-D10	2,469	2,393	3,376	2,596	2,300	2,469
IAGR-LM-HE-827-SS-UNV-15-D10	2,469	2,393	3,376	1,769	2,300	2,469
IAGR-LM-BO-827-SP-UNV-15-D10	2,469	2,393	3,376	2,596	2,300	2,469
IAGR-LM-BO-827-FL-UNV-15-D10	2,469	2,393	3,376	2,596	2,300	2,469
IAGR-LM-BO-827-WF-UNV-15-D10	2,469	2,393	3,376	2,596	2,300	2,469
IAGR-LM-HE-830-SS-UNV-15-D10	2,469	2,393	3,376	1,769	2,300	2,469
IAGR-LM-BO-830-SP-UNV-15-D10	2,469	2,393	3,376	2,596	2,300	2,469
IAGR-LM-BO-830-FL-UNV-15-D10	2,469	2,393	3,376	2,596	2,300	2,469
IAGR-LM-BO-830-WF-UNV-15-D10	2,469	2,393	3,376	2,596	2,300	2,469

IAGR-LM-HE-840-SS-UNV-15-D10	2,469	2,393	3,376	1,769	2,300	2,469
IAGR-LM-BO-840-SP-UNV-15-D10	2,469	2,393	3,376	2,596	2,300	2,469
IAGR-LM-BO-840-FL-UNV-15-D10	2,469	2,393	3,376	2,596	2,300	2,469
IAGR-LM-BO-840-WF-UNV-15-D10	2,469	2,393	3,376	2,596	2,300	2,469
IAGR-LM-VHO-822-SS-UNV-15-D10	2,469	2,393	3,376	2,362	2,300	2,469
IAGR-LM-HO-822-FL-UNV-15-D10	2,469	2,393	3,376	3,124	2,300	2,469
IAGR-LM-VHO-827-SS-UNV-15-D10	2,469	2,393	3,376	2,362	2,300	2,469
IAGR-LM-HO-827-SP-UNV-15-D10	2,469	2,393	3,376	3,124	2,300	2,469
IAGR-LM-HO-827-FL-UNV-15-D10	2,469	2,393	3,376	3,124	2,300	2,469
IAGR-LM-HO-827-WF-UNV-15-D10	2,469	2,393	3,376	3,124	2,300	2,469
IAGR-LM-VHO-830-SS-UNV-15-D10	2,469	2,393	3,376	2,362	2,300	2,469
IAGR-LM-HO-830-SP-UNV-15-D10	2,469	2,393	3,376	3,124	2,300	2,469
IAGR-LM-HO-830-FL-UNV-15-D10	2,469	2,393	3,376	3,124	2,300	2,469
IAGR-LM-HO-830-WF-UNV-15-D10	2,469	2,393	3,376	3,124	2,300	2,469
IAGR-LM-VHO-840-SS-UNV-15-D10	2,469	2,393	3,376	2,362	2,300	2,469
IAGR-LM-HO-840-SP-UNV-15-D10	2,469	2,393	3,376	3,124	2,300	2,469
IAGR-LM-HO-840-FL-UNV-15-D10	2,469	2,393	3,376	3,124	2,300	2,469
IAGR-LM-HO-840-WF-UNV-15-D10	2,469	2,393	3,376	3,124	2,300	2,469
IAGR-LC-BO-622-FL-UNV-15-D10	2,609	2,476	3,827	2,959	2,319	2,609
IAGR-LC-BO-622-WF-UNV-15-D10	2,609	2,476	3,827	2,959	2,319	2,609
IAGR-LC-BO-622-WWF-UNV-15-D10	2,609	2,476	3,827	2,959	2,319	2,609
IAGR-LC-BO-827-FL-UNV-15-D10	2,609	2,476	3,827	2,968	2,319	2,609
IAGR-LC-BO-827-WF-UNV-15-D10	2,609	2,476	3,827	2,968	2,319	2,609
IAGR-LC-BO-827-WWF-UNV-15-D10	2,609	2,476	3,827	2,968	2,319	2,609
IAGR-LC-BO-830-FL-UNV-15-D10	2,609	2,476	3,827	2,968	2,319	2,609
IAGR-LC-BO-830-WF-UNV-15-D10	2,609	2,476	3,827	2,968	2,319	2,609
IAGR-LC-BO-830-WWF-UNV-15-D10	2,609	2,476	3,827	2,968	2,319	2,609
IAGR-LC-BO-840-FL-UNV-15-D10	2,609	2,476	3,827	2,968	2,319	2,609
IAGR-LC-BO-840-WF-UNV-15-D10	2,609	2,476	3,827	2,968	2,319	2,609
IAGR-LC-BO-840-WWF-UNV-15-D10	2,609	2,476	3,827	2,968	2,319	2,609
IAGR-LC-HO-622-FL-UNV-15-D10	2,609	2,476	3,827	3,379	2,319	2,609
IAGR-LC-HO-622-WF-UNV-15-D10	2,609	2,476	3,827	3,379	2,319	2,609
IAGR-LC-HO-622-WWF-UNV-15-D10	2,609	2,476	3,827	3,379	2,319	2,609
IAGR-LC-HO-827-FL-UNV-15-D10	2,609	2,476	3,827	3,535	2,319	2,609
IAGR-LC-HO-827-WF-UNV-15-D10	2,609	2,476	3,827	3,535	2,319	2,609
IAGR-LC-HO-827-WWF-UNV-15-D10	2,609	2,476	3,827	3,535	2,319	2,609
IAGR-LC-HO-830-FL-UNV-15-D10	2,609	2,476	3,827	3,535	2,319	2,609
IAGR-LC-HO-830-WF-UNV-15-D10	2,609	2,476	3,827	3,535	2,319	2,609
IAGR-LC-HO-830-WWF-UNV-15-D10	2,609	2,476	3,827	3,535	2,319	2,609
IAGR-LC-HO-840-FL-UNV-15-D10	2,609	2,476	3,827	3,535	2,319	2,609
IAGR-LC-HO-840-WF-UNV-15-D10	2,609	2,476	3,827	3,535	2,319	2,609
IAGR-LC-HO-840-WWF-UNV-15-D10	2,609	2,476	3,827	3,535	2,319	2,609
IAGR-NM-BO-935-SS-UNV-15-D10	0,696	0,693	0,667	0,434	0,723	0,696
IAGR-NM-HO-935-SS-UNV-15-D10	0,696	0,693	0,667	0,486	0,723	0,696
IAGR-NM-BO-835-SP-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-HO-835-SP-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-BO-835-FL-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-HO-835-FL-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-BO-835-WF-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696

IAGR-NM-HO-835-WF-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-NM-BO-835-WW-UNV-15-D10	0,696	0,693	0,667	0,383	0,723	0,696
IAGR-NM-HO-835-WW-UNV-15-D10	0,696	0,693	0,667	0,472	0,723	0,696
IAGR-SM-HO-935-SS-UNV-15-D10	0,973	0,970	1,000	0,603	1,000	0,973
IAGR-SM-VHO-935-SS-UNV-15-D10	0,973	0,970	1,000	0,803	1,000	0,973
IAGR-SM-HO-835-SP-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-VHO-835-SP-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-HO-835-WF-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-VHO-835-WF-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-HO-835-WW-UNV-15-D10	0,973	0,970	1,000	0,712	1,000	0,973
IAGR-SM-VHO-835-WW-UNV-15-D10	0,973	0,970	1,000	0,990	1,000	0,973
IAGR-SM-HE-835-SP-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-BO-835-SP-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-HE-835-FL-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-BO-835-FL-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-HE-835-WF-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-BO-835-WF-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-SM-HE-835-WW-UNV-15-D10	0,973	0,970	1,000	0,591	1,000	0,973
IAGR-SM-BO-835-WW-UNV-15-D10	0,973	0,970	1,000	0,822	1,000	0,973
IAGR-MM-BO-935-SS-UNV-15-D10	1,537	1,501	2,013	1,104	1,462	1,537
IAGR-MM-HO-935-SS-UNV-15-D10	1,537	1,501	2,013	1,436	1,462	1,537
IAGR-MM-BO-835-SP-UNV-15-D10	1,537	1,501	2,013	1,450	1,462	1,537
IAGR-MM-HO-835-SP-UNV-15-D10	1,537	1,501	2,013	1,868	1,462	1,537
IAGR-MM-BO-835-FL-UNV-15-D10	1,537	1,501	2,013	1,450	1,462	1,537
IAGR-MM-HO-835-FL-UNV-15-D10	1,537	1,501	2,013	1,868	1,462	1,537
IAGR-MM-BO-835-WF-UNV-15-D10	1,537	1,501	2,013	1,450	1,462	1,537
IAGR-MM-HO-835-WF-UNV-15-D10	1,537	1,501	2,013	1,868	1,462	1,537
IAGR-LM-BO-935-SS-UNV-15-D10	2,611	2,476	3,827	1,563	2,319	2,611
IAGR-LM-HO-935-SS-UNV-15-D10	2,611	2,476	3,827	2,015	2,319	2,611
IAGR-LM-HE-935-SS-UNV-15-D10	2,611	2,476	3,827	1,769	2,319	2,611
IAGR-LM-VHO-935-SS-UNV-15-D10	2,611	2,476	3,827	2,362	2,319	2,611
IAGR-LM-BO-835-SP-UNV-15-D10	2,611	2,476	3,827	2,596	2,319	2,611
IAGR-LM-HO-835-SP-UNV-15-D10	2,611	2,476	3,827	3,124	2,319	2,611
IAGR-LM-BO-835-FL-UNV-15-D10	2,611	2,476	3,827	2,596	2,319	2,611
IAGR-LM-HO-835-FL-UNV-15-D10	2,611	2,476	3,827	3,124	2,319	2,611
IAGR-LM-BO-835-WF-UNV-15-D10	2,611	2,476	3,827	2,596	2,319	2,611
IAGR-LM-HO-835-WF-UNV-15-D10	2,611	2,476	3,827	3,124	2,319	2,611
IAGR-LC-BO-835-FL-UNV-15-D10	2,609	2,476	3,827	2,968	2,319	2,609
IAGR-LC-HO-835-FL-UNV-15-D10	2,609	2,476	3,827	3,535	2,319	2,609
IAGR-LC-BO-835-WF-UNV-15-D10	2,609	2,476	3,827	2,968	2,319	2,609
IAGR-LC-HO-835-WF-UNV-15-D10	2,609	2,476	3,827	3,535	2,319	2,609
IAGR-LC-BO-835-WWF-UNV-15-D10	2,609	2,476	3,827	2,968	2,319	2,609
IAGR-LC-HO-835-WWF-UNV-15-D10	2,609	2,476	3,827	3,535	2,319	2,609

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)
UG59	1875	35,4	7,896	6,756	6,561	0,195	0,0004	1,140
UG60	2850	30,5	7,896	6,756	6,561	0,195	0,0004	1,140
UG61	2325	30,5	7,896	6,756	6,561	0,195	0,0004	1,140
UG64	2400	35,4	7,896	6,756	6,561	0,195	0,0004	1,140
UG65	3272.5	30,5	7,896	6,756	6,561	0,195	0,0004	1,140
UG66	3230	30,5	7,896	6,756	6,561	0,195	0,0004	1,140
UG67	3145	30,5	7,896	6,756	6,561	0,195	0,0004	1,140
UG68	2635	30,5	7,896	6,756	6,561	0,195	0,0004	1,140
UG71	2512.5	35,4	7,896	6,756	6,561	0,195	0,0004	1,140
UG72	3388	30,5	7,896	6,756	6,561	0,195	0,0004	1,140
UG73	3344	30,5	7,896	6,756	6,561	0,195	0,0004	1,140
UG74	3256	30,5	7,896	6,756	6,561	0,195	0,0004	1,140
UG75	2728	30,5	7,896	6,756	6,561	0,195	0,0004	1,140
UG78	2775	35,4	7,896	6,756	6,561	0,195	0,0004	1,140
UG79	3580.5	30,5	7,896	6,756	6,561	0,195	0,0004	1,140
UG80	3534	30,5	7,896	6,756	6,561	0,195	0,0004	1,140
UG81	3441	30,5	7,896	6,756	6,561	0,195	0,0004	1,140
UG82	2883	30,5	7,896	6,756	6,561	0,195	0,0004	1,140
UG85	2062.5	39,8	7,896	6,756	6,561	0,195	0,0004	1,140
UG86	3458	38,4	7,896	6,756	6,561	0,195	0,0004	1,140
UG87	2821	38,4	7,896	6,756	6,561	0,195	0,0004	1,140
UG90	2625	39,8	7,896	6,756	6,561	0,195	0,0004	1,140
UG91	3965.5	38,4	7,896	6,756	6,561	0,195	0,0004	1,140
UG92	3914	38,4	7,896	6,756	6,561	0,195	0,0004	1,140
UG93	3811	38,4	7,896	6,756	6,561	0,195	0,0004	1,140
UG94	3193	38,4	7,896	6,756	6,561	0,195	0,0004	1,140
UG97	2775	39,8	7,896	6,756	6,561	0,195	0,0004	1,140
UG98	4119.5	38,4	7,896	6,756	6,561	0,195	0,0004	1,140
UG99	4066	38,4	7,896	6,756	6,561	0,195	0,0004	1,140
UH00	3959	38,4	7,896	6,756	6,561	0,195	0,0004	1,140
UH01	3317	38,4	7,896	6,756	6,561	0,195	0,0004	1,140
UH04	3037.5	39,8	7,896	6,756	6,561	0,195	0,0004	1,140
UH05	4350.5	38,4	7,896	6,756	6,561	0,195	0,0004	1,140
UH06	4294	38,4	7,896	6,756	6,561	0,195	0,0004	1,140
UH07	4181	38,4	7,896	6,756	6,561	0,195	0,0004	1,140
UH08	3503	38,4	7,896	6,756	6,561	0,195	0,0004	1,140
UG62	3100	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
UG63	3140	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S080	3030	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S081	3030	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
UG76	3260	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
UG77	3300	26,2	7,896	6,756	6,561	0,195	0,0005	1,140

S082	3180	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S083	3180	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
UG83	3430	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
UG84	3470	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S084	3350	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S085	3350	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
UG88	3620	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
UG89	3670	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S086	3530	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S087	3530	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
UH02	3810	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
UH03	3850	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S088	3710	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S089	3710	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
UH09	4020	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
UH10	4070	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S090	3920	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S091	3920	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S110	2820	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S111	2850	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S112	2700	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S113	2680	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S114	2960	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S115	3000	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S116	2840	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S117	2820	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S118	3120	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S119	3160	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S120	2990	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S121	2970	26,2	7,896	6,756	6,561	0,195	0,0005	1,140
S122	3290	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S123	3340	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S124	3160	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S125	3140	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S126	3460	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S127	3510	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S128	3320	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S129	3300	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S130	3650	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S131	3700	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S132	3500	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
S133	3480	31,2	7,896	6,756	6,561	0,195	0,0005	1,140
N456	4750	50,8	11,059	9,350	8,749	0,6	0,0007	1,709
N457	3875	50,8	11,059	9,350	8,749	0,6	0,0007	1,709
N458	5467	50,8	11,059	9,350	8,749	0,6	0,0007	1,709
N459	5396	50,8	11,059	9,350	8,749	0,6	0,0007	1,709
N460	5254	50,8	11,059	9,350	8,749	0,6	0,0007	1,709
N461	4402	50,8	11,059	9,350	8,749	0,6	0,0007	1,709
N462	5659,5	50,8	11,059	9,350	8,749	0,6	0,0007	1,709

N463	5586	50,8	11,059	9,350	8,749	0,6	0,0007	1,709
N464	5439	50,8	11,059	9,350	8,749	0,6	0,0007	1,709
N465	4557	50,8	11,059	9,350	8,749	0,6	0,0007	1,709
N466	5967,5	50,8	11,059	9,350	8,749	0,6	0,0007	1,709
N467	5890	50,8	11,059	9,350	8,749	0,6	0,0007	1,709
N468	5735	50,8	11,059	9,350	8,749	0,6	0,0007	1,709
N469	4805	50,8	11,059	9,350	8,749	0,6	0,0007	1,709
N470	6384	71,7	11,059	9,350	8,749	0,6	0,0007	1,709
N471	5208	71,7	11,059	9,350	8,749	0,6	0,0007	1,709
N472	7315	71,7	11,059	9,350	8,749	0,6	0,0007	1,709
N473	7220	71,7	11,059	9,350	8,749	0,6	0,0007	1,709
N474	7030	71,7	11,059	9,350	8,749	0,6	0,0007	1,709
N475	5890	71,7	11,059	9,350	8,749	0,6	0,0007	1,709
N476	7584,5	71,7	11,059	9,350	8,749	0,6	0,0007	1,709
N477	7486	71,7	11,059	9,350	8,749	0,6	0,0007	1,709
N478	7289	71,7	11,059	9,350	8,749	0,6	0,0007	1,709
N479	6107	71,7	11,059	9,350	8,749	0,6	0,0007	1,709
N480	8008	71,7	11,059	9,350	8,749	0,6	0,0007	1,709
N481	7904	71,7	11,059	9,350	8,749	0,6	0,0007	1,709
N482	7696	71,7	11,059	9,350	8,749	0,6	0,0007	1,709
N483	6448	71,7	11,059	9,350	8,749	0,6	0,0007	1,709
ES94	3037,5	53,5	11,059	9,350	8,749	0,6	0,0008	1,709
ES95	5928	63,3	11,059	9,350	8,749	0,6	0,0008	1,709
ES96	4836	63,3	11,059	9,350	8,749	0,6	0,0008	1,709
ES97	3825	53,5	11,059	9,350	8,749	0,6	0,0008	1,709
ES98	6814,5	63,3	11,059	9,350	8,749	0,6	0,0008	1,709
ES99	6726	63,3	11,059	9,350	8,749	0,6	0,0008	1,709
ET00	6549	63,3	11,059	9,350	8,749	0,6	0,0008	1,709
ET01	5487	63,3	11,059	9,350	8,749	0,6	0,0008	1,709
ET02	4050	53,5	11,059	9,350	8,749	0,6	0,0008	1,709
ET03	7084	63,3	11,059	9,350	8,749	0,6	0,0008	1,709
ET04	6992	63,3	11,059	9,350	8,749	0,6	0,0008	1,709
ET05	6808	63,3	11,059	9,350	8,749	0,6	0,0008	1,709
ET06	5704	63,3	11,059	9,350	8,749	0,6	0,0008	1,709
ET07	4425	53,5	11,059	9,350	8,749	0,6	0,0008	1,709
ET08	7469	63,3	11,059	9,350	8,749	0,6	0,0008	1,709
ET09	7372	63,3	11,059	9,350	8,749	0,6	0,0008	1,709
ET10	7178	63,3	11,059	9,350	8,749	0,6	0,0008	1,709
ET11	6014	63,3	11,059	9,350	8,749	0,6	0,0008	1,709
ET12	3787,5	71,1	11,059	9,350	8,749	0,6	0,0008	1,709
ET13	7676	86,9	11,059	9,350	8,749	0,6	0,0008	1,709
ET14	6262	86,9	11,059	9,350	8,749	0,6	0,0008	1,709
ET15	4800	71,1	11,059	9,350	8,749	0,6	0,0008	1,709
ET16	8778	86,9	11,059	9,350	8,749	0,6	0,0008	1,709
ET17	8664	86,9	11,059	9,350	8,749	0,6	0,0008	1,709
ET18	8436	86,9	11,059	9,350	8,749	0,6	0,0008	1,709
ET19	7068	86,9	11,059	9,350	8,749	0,6	0,0008	1,709
ET20	5062,5	71,1	11,059	9,350	8,749	0,6	0,0008	1,709
ET21	9124,5	86,9	11,059	9,350	8,749	0,6	0,0008	1,709

ET22	9006	86,9	11,059	9,350	8,749	0,6	0,0008	1,709
ET23	8769	86,9	11,059	9,350	8,749	0,6	0,0008	1,709
ET24	7493,9	86,9	11,059	9,350	8,749	0,6	0,0008	1,709
ET25	5550	71,1	11,059	9,350	8,749	0,6	0,0008	1,709
ET26	9625	86,9	11,059	9,350	8,749	0,6	0,0008	1,709
ET27	9500	86,9	11,059	9,350	8,749	0,6	0,0008	1,709
ET28	9386	86,9	11,059	9,350	8,749	0,6	0,0008	1,709
ET29	7750	86,9	11,059	9,350	8,749	0,6	0,0008	1,709
ET30	3570	53,9	11,059	9,350	8,749	0,6	0,0008	1,709
ET31	6802	63,1	11,059	9,350	8,749	0,6	0,0008	1,709
ET32	6623	63,1	11,059	9,350	8,749	0,6	0,0008	1,709
ET33	6444	63,1	11,059	9,350	8,749	0,6	0,0008	1,709
ET34	5370	63,1	11,059	9,350	8,749	0,6	0,0008	1,709
2749	4087,5	60,6	11,059	9,350	8,749	0,6	0,0008	1,709
ET35	3869,5	60,6	11,059	9,350	8,749	0,6	0,0008	1,709
ET36	3760,5	60,6	11,059	9,350	8,749	0,6	0,0008	1,709
ET37	3815	60,6	11,059	9,350	8,749	0,6	0,0008	1,709
2750	3106,5	60,6	11,059	9,350	8,749	0,6	0,0008	1,709
ET38	4480	70,2	11,059	9,350	8,749	0,6	0,0008	1,709
ET39	8892	86,6	11,059	9,350	8,749	0,6	0,0008	1,709
ET40	8658	86,6	11,059	9,350	8,749	0,6	0,0008	1,709
ET41	8424	86,6	11,059	9,350	8,749	0,6	0,0008	1,709
ET42	7020	86,6	11,059	9,350	8,749	0,6	0,0008	1,709
2751	4912,5	75,8	11,059	9,350	8,749	0,6	0,0008	1,709
ET43	4650,5	75,8	11,059	9,350	8,749	0,6	0,0008	1,709
ET44	4519,5	75,8	11,059	9,350	8,749	0,6	0,0008	1,709
ET45	4585	75,8	11,059	9,350	8,749	0,6	0,0008	1,709
2752	3733,5	75,8	11,059	9,350	8,749	0,6	0,0008	1,709
S158	3700	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S159	3720	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S160	3610	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S161	3610	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S162	3880	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S163	3910	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S164	3790	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S165	3790	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S166	4090	30,2	11,059	9,350	9,154	0,195	0,0006	1,709
S167	4120	30,2	11,059	9,350	9,154	0,195	0,0006	1,709
S168	3990	30,2	11,059	9,350	9,154	0,195	0,0006	1,709
S169	3990	30,2	11,059	9,350	9,154	0,195	0,0006	1,709
S170	4350	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S171	4370	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S172	4240	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S173	4240	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S174	4570	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S175	4590	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S176	4460	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S177	4460	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S178	4820	36	11,059	9,350	9,154	0,195	0,0006	1,709

S179	4840	36	11,059	9,350	9,154	0,195	0,0006	1,709
S180	4700	36	11,059	9,350	9,154	0,195	0,0006	1,709
S181	4700	36	11,059	9,350	9,154	0,195	0,0006	1,709
S182	5130	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S183	5170	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S184	5040	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S185	5010	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S186	5390	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S187	5420	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S188	5290	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S189	5260	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S190	5680	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S191	5710	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S192	5580	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S193	5540	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S194	6290	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S195	6330	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S196	6180	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S197	6140	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S198	6610	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S199	6640	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S200	6490	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S201	6450	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S202	6970	50,4	11,059	9,350	9,154	0,195	0,0006	1,709
S203	7010	50,4	11,059	9,350	9,154	0,195	0,0006	1,709
S204	6840	50,4	11,059	9,350	9,154	0,195	0,0006	1,709
S205	6800	50,4	11,059	9,350	9,154	0,195	0,0006	1,709
S254	3300	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S255	3340	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S256	3170	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S257	3170	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S258	3460	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S259	3510	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S260	3320	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S261	3320	30,1	11,059	9,350	9,154	0,195	0,0006	1,709
S262	3650	30,2	11,059	9,350	9,154	0,195	0,0006	1,709
S263	3700	30,2	11,059	9,350	9,154	0,195	0,0006	1,709
S264	3500	30,2	11,059	9,350	9,154	0,195	0,0006	1,709
S265	3500	30,2	11,059	9,350	9,154	0,195	0,0006	1,709
S266	3880	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S267	3930	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S268	3720	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S269	3720	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S270	4070	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S271	4130	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S272	3910	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S273	3910	35,9	11,059	9,350	9,154	0,195	0,0006	1,709
S274	4290	36	11,059	9,350	9,154	0,195	0,0006	1,709
S275	4350	36	11,059	9,350	9,154	0,195	0,0006	1,709

S276	4120	36	11,059	9,350	9,154	0,195	0,0006	1,709
S277	4120	36	11,059	9,350	9,154	0,195	0,0006	1,709
S278	4610	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S279	4680	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S280	4430	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S281	4400	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S282	4840	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S283	4910	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S284	4650	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S285	4620	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S286	5100	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S287	5170	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S288	4900	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S289	4870	40,3	11,059	9,350	9,154	0,195	0,0006	1,709
S290	5650	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S291	5730	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S292	5430	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S293	5390	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S294	5940	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S295	6020	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S296	5700	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S297	5660	50,3	11,059	9,350	9,154	0,195	0,0006	1,709
S298	6260	50,4	11,059	9,350	9,154	0,195	0,0006	1,709
S299	6340	50,4	11,059	9,350	9,154	0,195	0,0006	1,709
S300	6010	50,4	11,059	9,350	9,154	0,195	0,0006	1,709
S301	5970	50,4	11,059	9,350	9,154	0,195	0,0006	1,709
ET82	5212,5	89,3	17,107	13,667	13,134	0,532	0,0014	3,440
ET83	11970	128,3	17,107	13,667	13,134	0,532	0,0014	3,440
ET84	6637,5	89,3	17,107	13,667	13,134	0,532	0,0014	3,440
ET85	13706	128,3	17,107	13,667	13,134	0,532	0,0014	3,440
ET86	13528	128,3	17,107	13,667	13,134	0,532	0,0014	3,440
ET87	13172	128,3	17,107	13,667	13,134	0,532	0,0014	3,440
ET88	6975	89,3	17,107	13,667	13,134	0,532	0,0014	3,440
ET89	14245	128,3	17,107	13,667	13,134	0,532	0,0014	3,440
ET90	14060	128,3	17,107	13,667	13,134	0,532	0,0014	3,440
ET91	13690	128,3	17,107	13,667	13,134	0,532	0,0014	3,440
ET92	7687,5	89,3	17,107	13,667	13,134	0,532	0,0014	3,440
ET93	15015	128,3	17,107	13,667	13,134	0,532	0,0014	3,440
ET94	14820	128,3	17,107	13,667	13,134	0,532	0,0014	3,440
ET95	14430	128,3	17,107	13,667	13,134	0,532	0,0014	3,440
ET96	6600	121,6	17,107	13,667	13,134	0,532	0,0014	3,440
ET97	14478	161,8	17,107	13,667	13,134	0,532	0,0014	3,440
ET98	8362,5	121,6	17,107	13,667	13,134	0,532	0,0014	3,440
ET99	16555	161,8	17,107	13,667	13,134	0,532	0,0014	3,440
EU00	16340	161,8	17,107	13,667	13,134	0,532	0,0014	3,440
EU01	15910	161,8	17,107	13,667	13,134	0,532	0,0014	3,440
EU02	8812,5	121,6	17,107	13,667	13,134	0,532	0,0014	3,440
EU03	17209,5	161,8	17,107	13,667	13,134	0,532	0,0014	3,440
EU04	16986	161,8	17,107	13,667	13,134	0,532	0,0014	3,440

EU05	16539	161,8	17,107	13,667	13,134	0,532	0,0014	3,440
EU06	9675	121,6	17,107	13,667	13,134	0,532	0,0014	3,440
EU07	18172	161,8	17,107	13,667	13,134	0,532	0,0014	3,440
EU08	17936	161,8	17,107	13,667	13,134	0,532	0,0014	3,440
EU09	17464	161,8	17,107	13,667	13,134	0,532	0,0014	3,440
EU10	6408	88,1	17,107	13,667	13,134	0,532	0,0014	3,440
EU11	13604	125,6	17,107	13,667	13,134	0,532	0,0014	3,440
EU12	13246	125,6	17,107	13,667	13,134	0,532	0,0014	3,440
EU13	12888	125,6	17,107	13,667	13,134	0,532	0,0014	3,440
2753	6095,5	94,4	17,107	13,667	13,134	0,532	0,0014	3,440
EU14	5845	94,4	17,107	13,667	13,134	0,532	0,0014	3,440
EU15	5678	94,4	17,107	13,667	13,134	0,532	0,0014	3,440
EU16	5427,5	94,4	17,107	13,667	13,134	0,532	0,0014	3,440
EU17	8028	120,3	17,107	13,667	13,134	0,532	0,0014	3,440
EU18	16454	157,8	17,107	13,667	13,134	0,532	0,0014	3,440
EU19	16021	157,8	17,107	13,667	13,134	0,532	0,0014	3,440
EU20	15588	157,8	17,107	13,667	13,134	0,532	0,0014	3,440
2754	7519	118,7	17,107	13,667	13,134	0,532	0,0014	3,440
EU21	7210	118,7	17,107	13,667	13,134	0,532	0,0014	3,440
EU22	7004	118,7	17,107	13,667	13,134	0,532	0,0014	3,440
EU23	6695	118,7	17,107	13,667	13,134	0,532	0,0014	3,440
EU52	7725	137,1	27,275	21,505	20,528	0,975	0,0019	5,770
EU54	9787,5	137,1	27,275	21,505	20,528	0,975	0,0019	5,770
EU58	10275	137,1	27,275	21,505	20,528	0,975	0,0019	5,770
EU62	11325	137,1	27,275	21,505	20,528	0,975	0,0019	5,770
EU66	9375	176,4	27,275	21,505	20,528	0,975	0,0019	5,770
EU68	11887,5	176,4	27,275	21,505	20,528	0,975	0,0019	5,770
EU72	12487,5	176,4	27,275	21,505	20,528	0,975	0,0019	5,770
EU76	13762,5	176,4	27,275	21,505	20,528	0,975	0,0019	5,770
EV08	9300	158,8	27,275	21,505	20,527	0,975	0,0030	5,770
EV09	21052	222,1	27,275	21,505	20,527	0,975	0,0030	5,770
EV10	11775	158,8	27,275	21,505	20,527	0,975	0,0030	5,770
EV11	24101	222,1	27,275	21,505	20,527	0,975	0,0030	5,770
EV12	23788	222,1	27,275	21,505	20,527	0,975	0,0030	5,770
EV13	23162	222,1	27,275	21,505	20,527	0,975	0,0030	5,770
EV14	12412,5	158,8	27,275	21,505	20,527	0,975	0,0030	5,770
EV15	25063,5	222,1	27,275	21,505	20,527	0,975	0,0030	5,770
EV16	24738	222,1	27,275	21,505	20,527	0,975	0,0030	5,770
EV17	24087	222,1	27,275	21,505	20,527	0,975	0,0030	5,770
EV18	13650	158,8	27,275	21,505	20,527	0,975	0,0030	5,770
EV19	26449,5	222,1	27,275	21,505	20,527	0,975	0,0030	5,770
EV20	26106	222,1	27,275	21,505	20,527	0,975	0,0030	5,770
EV21	25419	222,1	27,275	21,505	20,527	0,975	0,0030	5,770
EV22	11587,5	207,8	27,275	21,505	20,527	0,975	0,0030	5,770
EV23	24244	267,3	27,275	21,505	20,527	0,975	0,0030	5,770
EV24	14662,5	207,8	27,275	21,505	20,527	0,975	0,0030	5,770
EV25	27758,5	267,3	27,275	21,505	20,527	0,975	0,0030	5,770
EV26	27398	267,3	27,275	21,505	20,527	0,975	0,0030	5,770
EV27	26677	267,3	27,275	21,505	20,527	0,975	0,0030	5,770

EV28	15450	207,8	27,275	21,505	20,527	0,975	0,0030	5,770
EV29	28798	267,3	27,275	21,505	20,527	0,975	0,0030	5,770
EV30	28424	267,3	27,275	21,505	20,527	0,975	0,0030	5,770
EV31	27676	267,3	27,275	21,505	20,527	0,975	0,0030	5,770
EV32	16987,5	207,8	27,275	21,505	20,527	0,975	0,0030	5,770
EV33	30415	267,3	27,275	21,505	20,527	0,975	0,0030	5,770
EV34	30020	267,3	27,275	21,505	20,527	0,975	0,0030	5,770
EV35	29230	267,3	27,275	21,505	20,527	0,975	0,0030	5,770
EV36	11412	161,8	27,275	21,505	20,527	0,975	0,0030	5,770
EV37	24414	218,7	27,275	21,505	20,527	0,975	0,0030	5,770
EV38	23788	218,7	27,275	21,505	20,527	0,975	0,0030	5,770
EV39	23475	218,7	27,275	21,505	20,527	0,975	0,0030	5,770
2755	10920	155,4	27,275	21,505	20,527	0,975	0,0030	5,770
EV40	10296	155,4	27,275	21,505	20,527	0,975	0,0030	5,770
EV41	10140	155,4	27,275	21,505	20,527	0,975	0,0030	5,770
EV42	9984	155,4	27,275	21,505	20,527	0,975	0,0030	5,770
EV43	14112	206,6	27,275	21,505	20,527	0,975	0,0030	5,770
EV44	28119	270,2	27,275	21,505	20,527	0,975	0,0030	5,770
EV45	27398	270,2	27,275	21,505	20,527	0,975	0,0030	5,770
EV46	27037,5	270,2	27,275	21,505	20,527	0,975	0,0030	5,770
2756	13335	198,2	27,275	21,505	20,527	0,975	0,0030	5,770
EV47	12573	198,2	27,275	21,505	20,527	0,975	0,0030	5,770
EV48	12382,5	198,2	27,275	21,505	20,527	0,975	0,0030	5,770
EV49	12192	198,2	27,275	21,505	20,527	0,975	0,0030	5,770
EV78	26790,8	252,3	28,219	21,679	20,229	1,45	0,0001	6,540
EV79	26790,8	252,3	28,219	21,679	20,229	1,45	0,0001	6,540
EV80	31347	252,3	28,219	21,679	20,229	1,45	0,0001	6,540
EV81	27195	252,3	28,219	21,679	20,229	1,45	0,0001	6,540
EV82	27195	252,3	28,219	21,679	20,229	1,45	0,0001	6,540
EV83	31820	252,3	28,219	21,679	20,229	1,45	0,0001	6,540
EV84	28444,5	252,3	28,219	21,679	20,229	1,45	0,0001	6,540
EV85	28444,5	252,3	28,219	21,679	20,229	1,45	0,0001	6,540
EV86	33282	252,3	28,219	21,679	20,229	1,45	0,0001	6,540
EV87	29142,8	252,3	28,219	21,679	20,229	1,45	0,0001	6,540
EV88	29142,8	252,3	28,219	21,679	20,229	1,45	0,0001	6,540
EV89	34099	252,3	28,219	21,679	20,229	1,45	0,0001	6,540
EV90	30061,5	298,9	28,219	21,679	20,229	1,45	0,0001	6,540
EV91	30061,5	298,9	28,219	21,679	20,229	1,45	0,0001	6,540
EV92	35174	298,9	28,219	21,679	20,229	1,45	0,0001	6,540
EV93	31862,3	306,9	28,219	21,679	20,229	1,45	0,0001	6,540
EV94	31862,3	306,9	28,219	21,679	20,229	1,45	0,0001	6,540
EV95	37281	306,9	28,219	21,679	20,229	1,45	0,0001	6,540
EV96	33332,3	306,9	28,219	21,679	20,229	1,45	0,0001	6,540
EV97	33332,3	306,9	28,219	21,679	20,229	1,45	0,0001	6,540
EV98	39001	306,9	28,219	21,679	20,229	1,45	0,0001	6,540
EV99	34104	306,9	28,219	21,679	20,229	1,45	0,0001	6,540
EW00	34104	306,9	28,219	21,679	20,229	1,45	0,0001	6,540
EW01	39904	306,9	28,219	21,679	20,229	1,45	0,0001	6,540

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-NM-BO-822-SS-UNV-15-D10	1875	37,7	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-822-FL-UNV-15-D10	2850	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-822-WW-UNV-15-D10	2325	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-827-SS-UNV-15-D10	2400	37,7	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-827-SP-UNV-15-D10	3273	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-827-FL-UNV-15-D10	3230	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-827-WF-UNV-15-D10	3145	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-827-WW-UNV-15-D10	2635	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-830-SS-UNV-15-D10	2513	37,7	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-830-SP-UNV-15-D10	3388	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-830-FL-UNV-15-D10	3344	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-830-WF-UNV-15-D10	3256	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-830-WW-UNV-15-D10	2728	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-840-SS-UNV-15-D10	2775	37,7	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-840-SP-UNV-15-D10	3581	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-840-FL-UNV-15-D10	3534	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-840-WF-UNV-15-D10	3441	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-840-WW-UNV-15-D10	2883	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-822-SS-UNV-15-D10	2063	42,2	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-822-FL-UNV-15-D10	3458	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-822-WW-UNV-15-D10	2821	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-827-SS-UNV-15-D10	2625	42,2	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-827-SP-UNV-15-D10	3966	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-827-FL-UNV-15-D10	3914	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-827-WW-UNV-15-D10	3193	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-830-SS-UNV-15-D10	2775	42,2	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-830-SP-UNV-15-D10	4120	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-830-FL-UNV-15-D10	4066	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-830-WF-UNV-15-D10	3959	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-830-WW-UNV-15-D10	3317	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-840-SS-UNV-15-D10	3038	42,2	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-840-SP-UNV-15-D10	4351	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-840-FL-UNV-15-D10	4294	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-840-WF-UNV-15-D10	4181	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-840-WW-UNV-15-D10	3503	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-SM-HE-822-FL-UNV-15-D10	4750	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-822-WW-UNV-15-D10	3875	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-827-SP-UNV-15-D10	5467	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-827-FL-UNV-15-D10	5396	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-827-WF-UNV-15-D10	5254	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-827-WW-UNV-15-D10	4402	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-830-SP-UNV-15-D10	5659,5	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-830-FL-UNV-15-D10	5586	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-830-WF-UNV-15-D10	5439	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-830-WW-UNV-15-D10	4557	51,4	11,059	9,350	8,649	0,7	0,0007	1,709

IAGR-SM-HE-840-SP-UNV-15-D10	6083	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-840-FL-UNV-15-D10	6004	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-840-WF-UNV-15-D10	5846	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-840-WW-UNV-15-D10	4898	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-822-FL-UNV-15-D10	6384	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-822-WW-UNV-15-D10	5208	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-827-SP-UNV-15-D10	7315	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-827-FL-UNV-15-D10	7220	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-827-WF-UNV-15-D10	7030	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-827-WW-UNV-15-D10	5890	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-830-SP-UNV-15-D10	7584,5	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-830-FL-UNV-15-D10	7486	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-830-WF-UNV-15-D10	7289	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-830-WW-UNV-15-D10	6107	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-840-SP-UNV-15-D10	8162	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-840-FL-UNV-15-D10	8056	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-840-WF-UNV-15-D10	7844	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-840-WW-UNV-15-D10	6572	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HO-822-SS-UNV-15-D10	3037,5	52,4	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-822-FL-UNV-15-D10	5928	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-822-WW-UNV-15-D10	4836	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-827-SS-UNV-15-D10	3825	52,4	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-827-SP-UNV-15-D10	6814,5	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-827-FL-UNV-15-D10	6726	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-827-WF-UNV-15-D10	6549	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-827-WW-UNV-15-D10	5487	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-830-SS-UNV-15-D10	4050	52,4	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-830-SP-UNV-15-D10	7084	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-830-FL-UNV-15-D10	6992	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-830-WF-UNV-15-D10	6808	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-830-WW-UNV-15-D10	5704	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-840-SS-UNV-15-D10	4425	52,4	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-840-SP-UNV-15-D10	7584,5	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-840-FL-UNV-15-D10	7486	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-840-WF-UNV-15-D10	7289	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-840-WW-UNV-15-D10	6107	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-822-SS-UNV-15-D10	3787,5	69,8	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-822-FL-UNV-15-D10	7676	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-822-WW-UNV-15-D10	6262	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-827-SS-UNV-15-D10	4800	69,8	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-827-SP-UNV-15-D10	8778	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-827-FL-UNV-15-D10	8664	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-827-WF-UNV-15-D10	8436	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-827-WW-UNV-15-D10	7068	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-830-SS-UNV-15-D10	5062,5	69,8	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-830-SP-UNV-15-D10	9124,5	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-830-FL-UNV-15-D10	9006	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-830-WF-UNV-15-D10	8769	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-830-WW-UNV-15-D10	7347	86	11,059	9,350	8,649	0,7	0,0008	1,709

IAGR-SM-VHO-840-SS-UNV-15-D10	5550	69,8	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-840-SP-UNV-15-D10	9779	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-840-FL-UNV-15-D10	9652	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-840-WF-UNV-15-D10	9398	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-840-WW-UNV-15-D10	7874	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-MM-BO-822-SS-UNV-15-D10	5212,5	95,9	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-822-FL-UNV-15-D10	11970	126	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-827-SS-UNV-15-D10	6637,5	95,9	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-827-SP-UNV-15-D10	13706	126	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-827-FL-UNV-15-D10	13528	126	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-827-WF-UNV-15-D10	13172	126	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-830-SS-UNV-15-D10	6975	95,9	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-830-SP-UNV-15-D10	14245	126	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-830-FL-UNV-15-D10	14060	126	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-830-WF-UNV-15-D10	13690	126	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-840-SS-UNV-15-D10	7687,5	95,9	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-840-SP-UNV-15-D10	15284,5	126	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-840-FL-UNV-15-D10	15086	126	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-840-WF-UNV-15-D10	14689	126	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-822-SS-UNV-15-D10	6600	124,8	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-822-FL-UNV-15-D10	14478	162,3	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-827-SS-UNV-15-D10	8362,5	124,8	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-827-SP-UNV-15-D10	16555	162,3	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-827-FL-UNV-15-D10	16340	162,3	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-827-WF-UNV-15-D10	15910	162,3	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-830-SS-UNV-15-D10	8812,5	124,8	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-830-SP-UNV-15-D10	17209,5	162,3	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-830-FL-UNV-15-D10	16986	162,3	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-830-WF-UNV-15-D10	16539	162,3	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-840-SS-UNV-15-D10	9675	124,8	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-840-SP-UNV-15-D10	18480	162,3	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-840-FL-UNV-15-D10	18240	162,3	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-840-WF-UNV-15-D10	17760	162,3	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-LM-BO-822-SS-UNV-15-D10	7725	135,8	27,275	21,505	20,428	1,075	0,0019	5,770
IAGR-LM-BO-827-SS-UNV-15-D10	9787,5	135,8	27,275	21,505	20,428	1,075	0,0019	5,770
IAGR-LM-BO-830-SS-UNV-15-D10	10275	135,8	27,275	21,505	20,428	1,075	0,0019	5,770
IAGR-LM-BO-840-SS-UNV-15-D10	11325	135,8	27,275	21,505	20,428	1,075	0,0019	5,770
IAGR-LM-HO-822-SS-UNV-15-D10	9375	175,1	27,275	21,505	20,428	1,075	0,0019	5,770
IAGR-LM-HO-827-SS-UNV-15-D10	11887,5	175,1	27,275	21,505	20,428	1,075	0,0019	5,770
IAGR-LM-HO-830-SS-UNV-15-D10	12487,5	175,1	27,275	21,505	20,428	1,075	0,0019	5,770
IAGR-LM-HO-840-SS-UNV-15-D10	13762,5	175,1	27,275	21,505	20,428	1,075	0,0019	5,770
IAGR-LM-HE-822-SS-UNV-15-D10	9300	153,7	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-BO-822-FL-UNV-15-D10	21052	225,6	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-HE-827-SS-UNV-15-D10	11775	153,7	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-BO-827-SP-UNV-15-D10	24101	225,6	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-BO-827-FL-UNV-15-D10	23788	225,6	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-BO-827-WF-UNV-15-D10	23162	225,6	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-HE-830-SS-UNV-15-D10	12412,5	153,7	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-BO-830-SP-UNV-15-D10	25063,5	225,6	27,275	21,505	20,427	1,075	0,0030	5,770

IAGR-LM-BO-830-FL-UNV-15-D10	24738	225,6	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-BO-830-WF-UNV-15-D10	24087	225,6	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-HE-840-SS-UNV-15-D10	13650	153,7	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-BO-840-SP-UNV-15-D10	26911,5	225,6	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-BO-840-FL-UNV-15-D10	26562	225,6	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-BO-840-WF-UNV-15-D10	25863	225,6	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-VHO-822-SS-UNV-15-D10	11587,5	205,3	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-HO-822-FL-UNV-15-D10	24244	271,5	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-VHO-827-SS-UNV-15-D10	14662,5	205,3	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-HO-827-SP-UNV-15-D10	27758,5	271,5	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-HO-827-FL-UNV-15-D10	27398	271,5	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-HO-827-WF-UNV-15-D10	26677	271,5	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-VHO-830-SS-UNV-15-D10	15450	205,3	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-HO-830-SP-UNV-15-D10	28798	271,5	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-HO-830-FL-UNV-15-D10	28424	271,5	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-HO-830-WF-UNV-15-D10	27676	271,5	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-VHO-840-SS-UNV-15-D10	16987,5	205,3	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-HO-840-SP-UNV-15-D10	30954	271,5	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-HO-840-FL-UNV-15-D10	30552	271,5	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LM-HO-840-WF-UNV-15-D10	29748	271,5	27,275	21,505	20,427	1,075	0,0030	5,770
IAGR-LC-BO-622-FL-UNV-15-D10	28431	257,1	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-BO-622-WF-UNV-15-D10	28795,5	257,1	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-BO-622-WWF-UNV-15-D10	32076	257,1	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-BO-827-FL-UNV-15-D10	29445	257,9	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-BO-827-WF-UNV-15-D10	29823	257,9	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-BO-827-WWF-UNV-15-D10	33220	257,9	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-BO-830-FL-UNV-15-D10	30849	257,9	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-BO-830-WF-UNV-15-D10	31245	257,9	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-BO-830-WWF-UNV-15-D10	34804	257,9	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-BO-840-FL-UNV-15-D10	31551	257,9	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-BO-840-WF-UNV-15-D10	31956	257,9	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-BO-840-WWF-UNV-15-D10	35596	257,9	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-622-FL-UNV-15-D10	31902	293,6	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-622-WF-UNV-15-D10	32311	293,6	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-622-WWF-UNV-15-D10	35992	293,6	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-827-FL-UNV-15-D10	34515	307,2	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-827-WF-UNV-15-D10	34958	307,2	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-827-WWF-UNV-15-D10	38940	307,2	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-830-FL-UNV-15-D10	36114	307,2	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-830-WF-UNV-15-D10	36577	307,2	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-830-WWF-UNV-15-D10	40744	307,2	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-840-FL-UNV-15-D10	36972	307,2	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-840-WF-UNV-15-D10	37446	307,2	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-840-WWF-UNV-15-D10	41712	307,2	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-NM-BO-935-SS-UNV-15-D10	1913	37,7	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-935-SS-UNV-15-D10	2063	42,2	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-835-SP-UNV-15-D10	3388	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-835-SP-UNV-15-D10	4120	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-835-FL-UNV-15-D10	3344	33,3	7,896	6,756	6,461	0,295	0,0004	1,140

IAGR-NM-HO-835-FL-UNV-15-D10	4066	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-835-WF-UNV-15-D10	3256	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-835-WF-UNV-15-D10	3959	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-BO-835-WW-UNV-15-D10	2728	33,3	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-NM-HO-835-WW-UNV-15-D10	3317	41	7,896	6,756	6,461	0,295	0,0004	1,140
IAGR-SM-HO-935-SS-UNV-15-D10	3038	52,4	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-935-SS-UNV-15-D10	3788	69,8	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-835-SP-UNV-15-D10	7084	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-835-SP-UNV-15-D10	9124,5	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-835-WF-UNV-15-D10	6808	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-835-WF-UNV-15-D10	8769	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HO-835-WW-UNV-15-D10	5704	61,9	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-VHO-835-WW-UNV-15-D10	7347	86	11,059	9,350	8,649	0,7	0,0008	1,709
IAGR-SM-HE-835-SP-UNV-15-D10	5659,5	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-835-SP-UNV-15-D10	7584,5	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-835-FL-UNV-15-D10	5586	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-835-FL-UNV-15-D10	7486	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-835-WF-UNV-15-D10	5439	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-835-WF-UNV-15-D10	7289	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-HE-835-WW-UNV-15-D10	4557	51,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-SM-BO-835-WW-UNV-15-D10	6107	71,4	11,059	9,350	8,649	0,7	0,0007	1,709
IAGR-MM-BO-935-SS-UNV-15-D10	5250	95,9	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-935-SS-UNV-15-D10	6600	124,8	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-835-SP-UNV-15-D10	14245	126	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-835-SP-UNV-15-D10	17209,5	162,3	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-835-FL-UNV-15-D10	14060	126	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-835-FL-UNV-15-D10	16986	162,3	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-BO-835-WF-UNV-15-D10	13690	126	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-MM-HO-835-WF-UNV-15-D10	16539	162,3	17,107	13,667	13,034	0,632	0,0014	3,440
IAGR-LM-BO-935-SS-UNV-15-D10	7725	135,8	28,219	21,679	20,602	1,075	0,0019	6,540
IAGR-LM-HO-935-SS-UNV-15-D10	9375	175,1	28,219	21,679	20,602	1,075	0,0019	6,540
IAGR-LM-HE-935-SS-UNV-15-D10	9338	153,7	28,219	21,679	20,601	1,075	0,0030	6,540
IAGR-LM-VHO-935-SS-UNV-15-D10	11588	205,3	28,219	21,679	20,601	1,075	0,0030	6,540
IAGR-LM-BO-835-SP-UNV-15-D10	25063,5	225,6	28,219	21,679	20,601	1,075	0,0030	6,540
IAGR-LM-HO-835-SP-UNV-15-D10	28798	271,5	28,219	21,679	20,601	1,075	0,0030	6,540
IAGR-LM-BO-835-FL-UNV-15-D10	24738	225,6	28,219	21,679	20,601	1,075	0,0030	6,540
IAGR-LM-HO-835-FL-UNV-15-D10	28424	271,5	28,219	21,679	20,601	1,075	0,0030	6,540
IAGR-LM-BO-835-WF-UNV-15-D10	24087	225,6	28,219	21,679	20,601	1,075	0,0030	6,540
IAGR-LM-HO-835-WF-UNV-15-D10	27676	271,5	28,219	21,679	20,601	1,075	0,0030	6,540
IAGR-LC-BO-835-FL-UNV-15-D10	31239	257,9	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-835-FL-UNV-15-D10	36582	307,2	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-BO-835-WF-UNV-15-D10	31640	257,9	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-835-WF-UNV-15-D10	37051	307,2	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-BO-835-WWF-UNV-15-D10	35244	257,9	28,219	21,679	20,129	1,55	0,0001	6,540
IAGR-LC-HO-835-WWF-UNV-15-D10	41272	307,2	28,219	21,679	20,129	1,55	0,0001	6,540



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