

# Product Environmental Profile

## LCS3+ DC HD systems with preterminated cassettes



### LEGRAND'S ENVIRONMENTAL COMMITMENTS

- **Incorporate environmental management into our industrial sites**  
Of all Legrand sites worldwide, over 85% are ISO 14001-certified (sites belonging to the Group for more than five years).
- **Offer our customers environmentally friendly solutions**  
Develop innovative solutions to help our customers design more energy efficient, better managed and more environmentally friendly installations.
- **Involve the environment in product design and provide informations in compliance with ISO 14025**  
Reduce the environmental impact of products over their whole life cycle.  
Provide our customers with all relevant information (composition, consumption, end of life, etc.).



### REFERENCE PRODUCT

|                          |                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Function</b>          | Protect, link by 8 optical fiber connection points for 10 years with 100 % use rate for an application in data centers.                                                                                                                                                                                                                                                         |
| <b>Reference Product</b> |   <p>Cat.No LG-032175 + 8 x LG-260021E + 4 x LG-032138 + LG-260073 + LG-032146</p> <p>HD modular panel to equip all cassettes 1U +8 SLIM CASSETTE 12F LC MTP ULTRA OS2 + 4 support for slim cassette</p> |

The company reserves the right to change specifications and designs without notice. All illustrations, descriptions, dimensions and weights in the document are for guidance and cannot be held binding on the company.



### PRODUCTS CONCERNED

The environmental data is representative of the following products:

| Catalogue Numbers                                                  |                                              |
|--------------------------------------------------------------------|----------------------------------------------|
| LG-032175 + 8 x LG-260021E + 4 x LG-032138 + LG-260073 + LG-032146 | LG-032177 + 32 x LG-260025E + 16 x LG-032138 |
| LG-032175 + 8 x LG-260022E + 4 x LG-032138 + LG-260073 + LG-032146 | LG-032177 + 32 x LG-260026E + 16 x LG-032138 |
| LG-032175 + 8 x LG-260023E + 4 x LG-032138 + LG-260073 + LG-032146 | LG-032177 + 32 x LG-260027E + 16 x LG-032138 |
| LG-032175 + 8 x LG-260024E + 4 x LG-032138 + LG-260073 + LG-032146 | LG-260008 + 12 x LG-260013E + 6 x LG-260010  |
| LG-032175 + 8 x LG-260025E + 4 x LG-032138 + LG-260073 + LG-032146 | LG-260008 + 12 x LG-260014E + 6 x LG-260010  |
| LG-032175 + 8 x LG-260026E + 4 x LG-032138 + LG-260073 + LG-032146 | LG-260008 + 12 x LG-260015E + 6 x LG-260010  |
| LG-032175 + 8 x LG-260027E + 4 x LG-032138 + LG-260073 + LG-032146 | LG-260008 + 12 x LG-260016E + 6 x LG-260010  |
| LG-260007 + 6 x LG-260013E + 3 x LG-260010 + LG-260073 + LG-032146 | LG-260008 + 12 x LG-260017E + 6 x LG-260010  |
| LG-260007 + 6 x LG-260014E + 3 x LG-260010 + LG-260073 + LG-032146 | LG-260008 + 12 x LG-260018E + 6 x LG-260010  |
| LG-260007 + 6 x LG-260015E + 3 x LG-260010 + LG-260073 + LG-032146 | LG-260008 + 12 x LG-260019E + 6 x LG-260010  |
| LG-260007 + 6 x LG-260016E + 3 x LG-260010 + LG-260073 + LG-032146 | LG-260008 + 12 x LG-260020E + 6 x LG-260010  |
| LG-260007 + 6 x LG-260017E + 3 x LG-260010 + LG-260073 + LG-032146 | LG-260008 + 12 x LG-260031E + 6 x LG-260010  |
| LG-260007 + 6 x LG-260018E + 3 x LG-260010 + LG-260073 + LG-032146 | LG-260008 + 12 x LG-260032E + 6 x LG-260010  |
| LG-260007 + 6 x LG-260019E + 3 x LG-260010 + LG-260073 + LG-032146 | LG-260008 + 12 x LG-260033E + 6 x LG-260010  |
| LG-260007 + 6 x LG-260020E + 3 x LG-260010 + LG-260073 + LG-032146 | LG-260008 + 12 x LG-260028E + 6 x LG-260010  |
| LG-260007 + 6 x LG-260031E + 3 x LG-260010 + LG-260073 + LG-032146 | LG-260008 + 12 x LG-260029E + 6 x LG-260010  |
| LG-260007 + 6 x LG-260032E + 3 x LG-260010 + LG-260073 + LG-032146 | LG-260008 + 12 x LG-260030E + 6 x LG-260010  |
| LG-260007 + 6 x LG-260033E + 3 x LG-260010 + LG-260073 + LG-032146 | LG-260009 + 24 x LG-260013E + 12 x LG-260010 |
| LG-260007 + 6 x LG-260028E + 3 x LG-260010 + LG-260073 + LG-032146 | LG-260009 + 24 x LG-260014E + 12 x LG-260010 |
| LG-260007 + 6 x LG-260029E + 3 x LG-260010 + LG-260073 + LG-032146 | LG-260009 + 24 x LG-260015E + 12 x LG-260010 |
| LG-260007 + 6 x LG-260030E + 3 x LG-260010 + LG-260073 + LG-032146 | LG-260009 + 24 x LG-260016E + 12 x LG-260010 |
| LG-032176 + 16 x LG-260021E + 8 x LG-032138                        | LG-260009 + 24 x LG-260017E + 12 x LG-260010 |
| LG-032176 + 16 x LG-260022E + 8 x LG-032138                        | LG-260009 + 24 x LG-260018E + 12 x LG-260010 |
| LG-032176 + 16 x LG-260023E + 8 x LG-032138                        | LG-260009 + 24 x LG-260019E + 12 x LG-260010 |
| LG-032176 + 16 x LG-260024E + 8 x LG-032138                        | LG-260009 + 24 x LG-260020E + 12 x LG-260010 |
| LG-032176 + 16 x LG-260025E + 8 x LG-032138                        | LG-260009 + 24 x LG-260031E + 12 x LG-260010 |
| LG-032176 + 16 x LG-260026E + 8 x LG-032138                        | LG-260009 + 24 x LG-260032E + 12 x LG-260010 |
| LG-032176 + 16 x LG-260027E + 8 x LG-032138                        | LG-260009 + 24 x LG-260033E + 12 x LG-260010 |
| LG-032177 + 32 x LG-260021E + 16 x LG-032138                       | LG-260009 + 24 x LG-260028E + 12 x LG-260010 |
| LG-032177 + 32 x LG-260022E + 16 x LG-032138                       | LG-260009 + 24 x LG-260029E + 12 x LG-260010 |
| LG-032177 + 32 x LG-260023E + 16 x LG-032138                       | LG-260009 + 24 x LG-260030E + 12 x LG-260010 |
| LG-032177 + 32 x LG-260024E + 16 x LG-032138                       |                                              |

# Product Environmental Profile

## LCS3+ DC HD systems with preterminated cassettes



### ■ CONSTITUENT MATERIALS

This Reference Product contains no substances prohibited by the regulations applicable at the time of its introduction to the market. It respects the restrictions on use of hazardous substances as defined in the RoHS directive 2011/65/EU amended by delegated directive (EU) 2015/863, and its amendment 2017/2102/EU.

|                                          |                                         |
|------------------------------------------|-----------------------------------------|
| <b>Total weight of Reference Product</b> | <b>6.19 kg</b> (all packaging included) |
|------------------------------------------|-----------------------------------------|

| Product alone weight 3.53 kg |       |                       |       |                      |      |
|------------------------------|-------|-----------------------|-------|----------------------|------|
| Plastics as % of weight      |       | Metals as % of weight |       | Other as % of weight |      |
| PC                           | 16.5% | Steel                 | 35.2% | Ceramic              | 0.4% |
| ABS                          | 0.9%  | Zamak                 | 0.8%  | Glass                | 0.2% |
| PA                           | 0.8%  | others metals         | <0.1% |                      |      |
| PBT                          | 0.5%  |                       |       |                      |      |
| PMMA                         | 0.2%  |                       |       |                      |      |
| Other plastics               | <0.1% |                       |       |                      |      |

| Packaging (alone) : 2.66 kg |      |  |  |           |       |
|-----------------------------|------|--|--|-----------|-------|
| PE                          | 0.2% |  |  | wood      | 21.5% |
|                             |      |  |  | Cardboard | 20.1% |
|                             |      |  |  | Paper     | 1.3%  |

|                                 |              |                               |              |                               |              |
|---------------------------------|--------------|-------------------------------|--------------|-------------------------------|--------------|
| <b>Total plastics : 1.27 kg</b> | <b>20.7%</b> | <b>Total metals : 2.23 kg</b> | <b>35.9%</b> | <b>Total others : 2.69 kg</b> | <b>43.4%</b> |
|---------------------------------|--------------|-------------------------------|--------------|-------------------------------|--------------|

At the date of edition of this document. the content of recycled material(s) is :

- Product alone (excluding packaging): 7 % by mass
- Packaging only: 43 % by mass



### ■ MANUFACTURE

This Reference Product comes from sites that have received ISO14001 certification. The final assembly site is located at France.



### ■ DISTRIBUTION

Products are distributed from logistics centres located with a view to optimize transport efficiency. Thus the Reference Product is mainly transported by truck over an average distance of 1325 km representative of a commercialization in Europe. The packaging complies with European Directive 94/62/EC.



### ■ INSTALLATION

For the installation of the product, only standard tools are needed.



### ■ USE

Under normal conditions of use, this product requires no servicing, no maintenance or additional products.



### ■ END OF LIFE

The product end of life factors are taken into account during the design phase. Dismantling and sorting of components or materials is made as easy as possible with a view to recycling or failing that, another form of reuse. This product falls within the scope of the WEEE directive (2012/19/EU). Therefore it must be processed through local WEEE recycling/recovery channels.

WEEE Directive (2012/19/EU): the sale of this product includes a contribution to the appointed environmental bodies of each European country in charge of handling, at the end of their life, the products falling within the scope of the EU Directive on Electrical and Electronic Equipment Waste.

# Product Environmental Profile

## LCS3+ DC HD systems with preterminated cassettes



### ENVIRONMENTAL IMPACTS

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

The datasets collected in this PEP are representative of the year 2026.

For each phase, the following modelling elements were taken in account:

|                                    |                              |                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Limit                       | <b>Manufacture<br/>A1-A3</b> | Materials and components of the product, all transport for the manufacturing, the packaging and the waste generated by the manufacturing.                                                                                                                                                                                                                                              |
|                                    | <b>Distribution<br/>A4</b>   | Transport between the last Group distribution centre and an average delivery point in the sales area.                                                                                                                                                                                                                                                                                  |
|                                    | <b>Installation<br/>A5</b>   | The end of life of the packaging.                                                                                                                                                                                                                                                                                                                                                      |
|                                    | <b>Use<br/>B1-B7</b>         | <ul style="list-style-type: none"> <li>Product category: Optical fiber telecom accessories.</li> <li>Use scenario: For a 10 years working life, the product is used in data centers in continuous active mode with an electrical consumption of 0,872 mW. This modelling duration does not constitute a minimum durability requirement.</li> <li>Energy model: Europe 2022.</li> </ul> |
|                                    | <b>End of life<br/>C1-C4</b> | The default end of life scenario maximizing the impacts.                                                                                                                                                                                                                                                                                                                               |
| <b>D Module</b>                    |                              | Module D is calculated according to PCR-ed4-EN-2021 09 06 based on the materials recycled and the modelled end-of-life scenario.<br>It expresses the net benefits and burdens beyond the boundaries of the system, and are not to be included in the life cycle totals.                                                                                                                |
| <b>Software and data-base used</b> |                              | The set of indicators used is Indicators for PEF EF 3.0 (compliant: PEP ed.4, EN15804+A2) v2.0<br>EIME V6 and its CODDE-2026-04 database                                                                                                                                                                                                                                               |

Unless otherwise indicated the modelling energetic mix are those integrated in the data modules used from the aforementioned database.

# Product Environmental Profile

## LCS3+ DC HD systems with preterminated cassettes



### ENVIRONMENTAL IMPACTS

|                                                       | Total Life Cycle |                                    | Manufacturing | Distribution | Installation | Use <sup>(1)</sup> |          |          | End of Life | Module D  |
|-------------------------------------------------------|------------------|------------------------------------|---------------|--------------|--------------|--------------------|----------|----------|-------------|-----------|
|                                                       |                  |                                    | A1-A3         | A4           | A5           | Total B1-B7        | B2       | B6       | C1-C4       |           |
| Climate change - total                                | 2.73E+01         | kg CO2 eq.                         | 1.93E+01      | 3.27E-01     | 4.82E+00     | 1.76E-02           | 0.00E+00 | 1.76E-02 | 2.90E+00    | -7.66E+00 |
| Climate change - fossil fuels                         | 2.71E+01         | kg CO2 eq.                         | 2.30E+01      | 3.26E-01     | 8.19E-01     | 1.69E-02           | 0.00E+00 | 1.69E-02 | 2.88E+00    | -6.06E+00 |
| Climate change - biogenics                            | 2.85E-01         | kg CO2 eq.                         | -3.74E+00     | 5.14E-04     | 4.00E+00     | 6.82E-04           | 0.00E+00 | 6.82E-04 | 1.60E-02    | -1.60E+00 |
| Climate change - land use and land use transformation | 1.20E-03         | kg CO2 eq.                         | 1.20E-03      | 4.72E-07     | 0*           | 0*                 | 0.00E+00 | 0*       | 1.12E-06    | 3.23E-04  |
| Ozone depletion                                       | 4.78E-06         | kg.equivalent. CFC-11              | 4.58E-06      | 3.66E-09     | 3.16E-08     | 0*                 | 0.00E+00 | 0*       | 1.68E-07    | -2.46E-06 |
| Acidification (AP)                                    | 1.42E-01         | mole of H+ equiv                   | 1.20E-01      | 5.13E-04     | 4.85E-03     | 1.05E-04           | 0.00E+00 | 1.05E-04 | 1.71E-02    | -3.56E-02 |
| Freshwater eutrophication                             | 1.10E-04         | kg P eq.                           | 1.02E-04      | 1.20E-06     | 1.21E-06     | 8.26E-08           | 0.00E+00 | 8.26E-08 | 4.87E-06    | 1.11E-06  |
| Marine aquatic eutrophication                         | 1.97E-02         | kg of N equiv                      | 1.57E-02      | 9.86E-05     | 1.21E-03     | 1.06E-05           | 0.00E+00 | 1.06E-05 | 2.60E-03    | -1.94E-03 |
| Terrestrial eutrophication                            | 2.24E-01         | mole of N equiv                    | 1.73E-01      | 1.08E-03     | 1.63E-02     | 2.03E-04           | 0.00E+00 | 2.03E-04 | 3.26E-02    | -2.79E-02 |
| Photochemical ozone formation                         | 7.27E-02         | kg of NMVOC equiv                  | 6.05E-02      | 3.46E-04     | 3.39E-03     | 3.42E-05           | 0.00E+00 | 3.42E-05 | 8.45E-03    | -1.31E-02 |
| Depletion of abiotic resources - elements             | 2.04E-03         | kg.equivalent. Sb                  | 2.04E-03      | 0*           | 6.14E-07     | 0*                 | 0.00E+00 | 0*       | 1.42E-06    | -1.23E-03 |
| Depletion of abiotic resources - fossil fuels         | 4.71E+02         | MJ                                 | 4.01E+02      | 5.70E+00     | 1.61E+01     | 5.69E-01           | 0.00E+00 | 5.69E-01 | 4.81E+01    | -7.61E+01 |
| Water requirement                                     | 8.54E+00         | m3 of equiv. deprivation worldwide | 8.03E+00      | 1.16E-02     | 4.42E-02     | 1.16E-03           | 0.00E+00 | 1.16E-03 | 4.53E-01    | -3.16E+00 |
| Emission of fine particles                            | 3.85E-06         | incidence of diseases              | 3.70E-06      | 4.52E-09     | 3.42E-08     | 9.23E-10           | 0.00E+00 | 9.23E-10 | 1.10E-07    | -2.02E-06 |

x Represents less than 0.01 % of the total life cycle of the reference flow

<sup>(1)</sup> For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table.

In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

# Product Environmental Profile

## LCS3+ DC HD systems with preterminated cassettes



|                                                                                                                         | Total Life Cycle |                    | Manufacturing | Distribution | Installation | Use <sup>(1)</sup> |          |          | End of Life | Module D  |
|-------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|---------------|--------------|--------------|--------------------|----------|----------|-------------|-----------|
|                                                                                                                         |                  |                    | A1-A3         | A4           | A5           | Total B1-B7        | B2       | B6       | C1-C4       |           |
| Ionizing radiation, human health                                                                                        | 5.14E+00         | kBq of U235 equiv. | 3.88E+00      | 1.10E-02     | 3.84E-01     | 4.38E-02           | 0.00E+00 | 4.38E-02 | 8.27E-01    | 4.70E-01  |
| Ecotoxicity (fresh water)                                                                                               | 1.67E+03         | CTUe               | 1.59E+03      | 8.94E+00     | 2.17E+01     | 0*                 | 0.00E+00 | 0*       | 4.87E+01    | 1.49E+01  |
| Human toxicity, carcinogenic effects                                                                                    | 2.08E-05         | CTUh               | 2.08E-05      | 0*           | 0*           | 0*                 | 0.00E+00 | 0*       | 0*          | -1.24E-05 |
| Human toxicity, non-carcinogenic effects                                                                                | 4.15E-07         | CTUh               | 3.75E-07      | 1.26E-09     | 6.38E-09     | 8.00E-11           | 0.00E+00 | 8.00E-11 | 3.24E-08    | -1.66E-07 |
| Impacts related to land use/soil quality                                                                                | 4.75E+00         | -                  | 3.92E+00      | 2.06E-03     | 2.65E-01     | 2.78E-02           | 0.00E+00 | 2.78E-02 | 5.27E-01    | 9.01E-01  |
| Use of renewable primary energy, excluding renewable primary energy resources used as raw materials                     | 2.33E+01         | MJ                 | 1.31E+01      | 2.26E-02     | 3.34E+00     | 3.71E-01           | 0.00E+00 | 3.71E-01 | 6.48E+00    | -4.45E+00 |
| Use of renewable primary energy resources used as raw materials                                                         | 3.36E+01         | MJ                 | 3.36E+01      | 0.00E+00     | 0.00E+00     | 0.00E+00           | 0.00E+00 | 0.00E+00 | 0.00E+00    | 2.03E+01  |
| Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)     | 5.69E+01         | MJ                 | 4.66E+01      | 2.26E-02     | 3.34E+00     | 3.71E-01           | 0.00E+00 | 3.71E-01 | 6.48E+00    | 1.58E+01  |
| Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials             | 4.33E+02         | MJ                 | 3.62E+02      | 5.70E+00     | 1.61E+01     | 5.69E-01           | 0.00E+00 | 5.69E-01 | 4.81E+01    | -8.31E+01 |
| Use of non-renewable primary energy resources used as raw materials                                                     | 3.84E+01         | MJ                 | 3.84E+01      | 0.00E+00     | 0.00E+00     | 0.00E+00           | 0.00E+00 | 0.00E+00 | 0.00E+00    | 6.98E+00  |
| Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials) | 4.71E+02         | MJ                 | 4.01E+02      | 5.70E+00     | 1.61E+01     | 5.69E-01           | 0.00E+00 | 5.69E-01 | 4.81E+01    | -7.61E+01 |

x Represents less than 0.01 % of the total life cycle of the reference flow

<sup>(1)</sup> For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table.

In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

# Product Environmental Profile

## LCS3+ DC HD systems with preterminated cassettes



| Total Life Cycle                                  |          |                     | Manufacturing | Distribution | Installation | Use <sup>(1)</sup> |          |          | End of Life | Module D  |
|---------------------------------------------------|----------|---------------------|---------------|--------------|--------------|--------------------|----------|----------|-------------|-----------|
|                                                   |          |                     | A1-A3         | A4           | A5           | Total B1-B7        | B2       | B6       | C1-C4       |           |
| Use of secondary materials                        | 1.40E+00 | kg                  | 1.40E+00      | 0.00E+00     | 0.00E+00     | 0.00E+00           | 0.00E+00 | 0.00E+00 | 0.00E+00    | 0.00E+00  |
| Use of renewable secondary fuels                  | 0.00E+00 | MJ                  | 0.00E+00      | 0.00E+00     | 0.00E+00     | 0.00E+00           | 0.00E+00 | 0.00E+00 | 0.00E+00    | 0.00E+00  |
| Use of non-renewable secondary fuels              | 0.00E+00 | MJ                  | 0.00E+00      | 0.00E+00     | 0.00E+00     | 0.00E+00           | 0.00E+00 | 0.00E+00 | 0.00E+00    | 0.00E+00  |
| Net use of fresh water                            | 2.03E-01 | m3                  | 1.88E-01      | 2.70E-04     | 1.02E-03     | 2.80E-05           | 0.00E+00 | 2.80E-05 | 1.34E-02    | -7.35E-02 |
| Hazardous waste disposed of                       | 0.00E+00 | kg                  | 0.00E+00      | 0.00E+00     | 0.00E+00     | 0.00E+00           | 0.00E+00 | 0.00E+00 | 0.00E+00    | 0.00E+00  |
| Non-hazardous waste disposed of                   | 0.00E+00 | kg                  | 0.00E+00      | 0.00E+00     | 0.00E+00     | 0.00E+00           | 0.00E+00 | 0.00E+00 | 0.00E+00    | 0.00E+00  |
| Radioactive waste disposed of                     | 0.00E+00 | kg                  | 0.00E+00      | 0.00E+00     | 0.00E+00     | 0.00E+00           | 0.00E+00 | 0.00E+00 | 0.00E+00    | 0.00E+00  |
| Components for re-use                             | 0.00E+00 | kg                  | 0.00E+00      | 0.00E+00     | 0.00E+00     | 0.00E+00           | 0.00E+00 | 0.00E+00 | 0.00E+00    | 0.00E+00  |
| Materials for recycling                           | 2.35E+00 | kg                  | 5.67E-01      | 0*           | 0*           | 0*                 | 0.00E+00 | 0*       | 1.78E+00    | 0.00E+00  |
| Materials for energy recovery                     | 0.00E+00 | kg                  | 0.00E+00      | 0.00E+00     | 0.00E+00     | 0.00E+00           | 0.00E+00 | 0.00E+00 | 0.00E+00    | 0.00E+00  |
| Exported energy                                   | 0.00E+00 | MJ by energy vector | 0.00E+00      | 0.00E+00     | 0.00E+00     | 0.00E+00           | 0.00E+00 | 0.00E+00 | 0.00E+00    | 0.00E+00  |
| Total use of primary energy during the life cycle | 5.28E+02 | MJ                  | 4.47E+02      | 5.72E+00     | 1.94E+01     | 9.40E-01           | 0.00E+00 | 9.40E-01 | 5.45E+01    | -6.03E+01 |

|                                                     |          |          |          |
|-----------------------------------------------------|----------|----------|----------|
| Biogenic carbon content of the product              | 0.00E+00 | kg of C. | 0.00E+00 |
| Biogenic carbon content of the associated packaging | 0.00E+00 | kg of C. | 0.00E+00 |

For biogenic carbon storage, the methodology used is -1/1.

x Represents less than 0.01 % of the total life cycle of the reference flow

<sup>(1)</sup> For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table.

In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column.

The values of the indicators defined in the PCR-ed4-EN-2021 09 06 are available in the digital database of pep-ecopassport.org website.

# Product Environmental Profile

## LCS3+ DC HD systems with preterminated cassettes



To obtain the environmental impact values of products other than the Reference Product, take the environmental impact values of the Reference Product and multiply them by the values in the coefficient table below.

| Coefficient of extrapolation of environmental indicators           |                  |               |              |              |      |             |
|--------------------------------------------------------------------|------------------|---------------|--------------|--------------|------|-------------|
| Associated references                                              | Total life Cycle | Manufacturing | Distribution | Installation | Use  | End of life |
| LG-032175 + 8 x LG-260021E + 4 x LG-032138 + LG-260073 + LG-032146 | 1.0              | 1.0           | 1.0          | 1.0          | 1.0  | 1.0         |
| LG-032175 + 8 x LG-260022E + 4 x LG-032138 + LG-260073 + LG-032146 | 1.0              | 1.0           | 1.0          | 1.0          | 1.0  | 1.0         |
| LG-032175 + 8 x LG-260023E + 4 x LG-032138 + LG-260073 + LG-032146 | 1.0              | 1.0           | 1.0          | 1.0          | 1.0  | 1.0         |
| LG-032175 + 8 x LG-260024E + 4 x LG-032138 + LG-260073 + LG-032146 | 1.0              | 1.0           | 1.0          | 1.0          | 1.0  | 1.0         |
| LG-032175 + 8 x LG-260025E + 4 x LG-032138 + LG-260073 + LG-032146 | 1.1              | 1.1           | 1.1          | 1.0          | 1.0  | 1.1         |
| LG-032175 + 8 x LG-260026E + 4 x LG-032138 + LG-260073 + LG-032146 | 1.1              | 1.1           | 1.1          | 1.0          | 1.0  | 1.1         |
| LG-032175 + 8 x LG-260027E + 4 x LG-032138 + LG-260073 + LG-032146 | 1.1              | 1.1           | 1.1          | 1.0          | 1.0  | 1.1         |
| LG-260007 + 6 x LG-260013E + 3 x LG-260010 + LG-260073 + LG-032146 | 0.9              | 0.9           | 0.9          | 0.8          | 0.8  | 0.9         |
| LG-260007 + 6 x LG-260014E + 3 x LG-260010 + LG-260073 + LG-032146 | 0.9              | 0.9           | 0.9          | 0.8          | 0.8  | 0.9         |
| LG-260007 + 6 x LG-260015E + 3 x LG-260010 + LG-260073 + LG-032146 | 0.9              | 0.9           | 0.9          | 0.8          | 0.8  | 0.9         |
| LG-260007 + 6 x LG-260016E + 3 x LG-260010 + LG-260073 + LG-032146 | 0.9              | 0.9           | 0.9          | 0.8          | 0.8  | 0.9         |
| LG-260007 + 6 x LG-260017E + 3 x LG-260010 + LG-260073 + LG-032146 | 0.9              | 0.9           | 0.9          | 0.8          | 1.5  | 0.9         |
| LG-260007 + 6 x LG-260018E + 3 x LG-260010 + LG-260073 + LG-032146 | 0.9              | 0.9           | 0.9          | 0.8          | 1.5  | 0.9         |
| LG-260007 + 6 x LG-260019E + 3 x LG-260010 + LG-260073 + LG-032146 | 0.9              | 0.9           | 0.9          | 0.8          | 1.5  | 0.9         |
| LG-260007 + 6 x LG-260020E + 3 x LG-260010 + LG-260073 + LG-032146 | 0.9              | 0.9           | 0.9          | 0.8          | 1.5  | 0.9         |
| LG-260007 + 6 x LG-260031E + 3 x LG-260010 + LG-260073 + LG-032146 | 1.0              | 1.0           | 1.0          | 0.8          | 1.5  | 1.0         |
| LG-260007 + 6 x LG-260032E + 3 x LG-260010 + LG-260073 + LG-032146 | 1.0              | 1.0           | 1.0          | 0.8          | 1.5  | 1.0         |
| LG-260007 + 6 x LG-260033E + 3 x LG-260010 + LG-260073 + LG-032146 | 1.0              | 1.0           | 1.0          | 0.8          | 1.5  | 1.0         |
| LG-260007 + 6 x LG-260028E + 3 x LG-260010 + LG-260073 + LG-032146 | 1.0              | 1.0           | 1.0          | 0.8          | 3.0  | 1.0         |
| LG-260007 + 6 x LG-260029E + 3 x LG-260010 + LG-260073 + LG-032146 | 1.0              | 1.0           | 1.0          | 0.8          | 3.0  | 1.0         |
| LG-260007 + 6 x LG-260030E + 3 x LG-260010 + LG-260073 + LG-032146 | 1.0              | 1.0           | 1.0          | 0.8          | 3.0  | 1.0         |
| LG-032176 + 16 x LG-260021E + 8 x LG-032138                        | 1.3              | 1.3           | 1.3          | 1.4          | 1.0  | 1.3         |
| LG-032176 + 16 x LG-260022E + 8 x LG-032138                        | 1.3              | 1.3           | 1.3          | 1.4          | 1.0  | 1.3         |
| LG-032176 + 16 x LG-260023E + 8 x LG-032138                        | 1.3              | 1.3           | 1.3          | 1.4          | 1.0  | 1.3         |
| LG-032176 + 16 x LG-260024E + 8 x LG-032138                        | 1.3              | 1.3           | 1.3          | 1.4          | 1.0  | 1.3         |
| LG-032176 + 16 x LG-260025E + 8 x LG-032138                        | 1.5              | 1.5           | 1.5          | 1.4          | 1.0  | 1.5         |
| LG-032176 + 16 x LG-260026E + 8 x LG-032138                        | 1.5              | 1.5           | 1.5          | 1.4          | 1.0  | 1.5         |
| LG-032176 + 16 x LG-260027E + 8 x LG-032138                        | 1.5              | 1.5           | 1.5          | 1.4          | 1.0  | 1.5         |
| LG-032177 + 32 x LG-260021E + 16 x LG-032138                       | 2.6              | 2.6           | 2.6          | 2.9          | 2.0  | 2.6         |
| LG-032177 + 32 x LG-260022E + 16 x LG-032138                       | 2.6              | 2.6           | 2.6          | 2.9          | 2.0  | 2.6         |
| LG-032177 + 32 x LG-260023E + 16 x LG-032138                       | 2.6              | 2.6           | 2.6          | 2.9          | 2.0  | 2.6         |
| LG-032177 + 32 x LG-260024E + 16 x LG-032138                       | 2.6              | 2.6           | 2.6          | 2.9          | 2.0  | 2.6         |
| LG-032177 + 32 x LG-260025E + 16 x LG-032138                       | 2.9              | 2.9           | 2.9          | 2.9          | 2.0  | 2.9         |
| LG-032177 + 32 x LG-260026E + 16 x LG-032138                       | 2.9              | 2.9           | 2.9          | 2.9          | 2.0  | 2.9         |
| LG-032177 + 32 x LG-260027E + 16 x LG-032138                       | 2.9              | 2.9           | 2.9          | 2.9          | 2.0  | 2.9         |
| LG-260008 + 12 x LG-260013E + 6 x LG-260010                        | 1.7              | 1.8           | 1.8          | 1.0          | 1.5  | 1.8         |
| LG-260008 + 12 x LG-260014E + 6 x LG-260010                        | 1.7              | 1.8           | 1.8          | 1.0          | 1.5  | 1.8         |
| LG-260008 + 12 x LG-260015E + 6 x LG-260010                        | 1.7              | 1.8           | 1.8          | 1.0          | 1.5  | 1.8         |
| LG-260008 + 12 x LG-260016E + 6 x LG-260010                        | 1.7              | 1.8           | 1.8          | 1.0          | 1.5  | 1.8         |
| LG-260008 + 12 x LG-260017E + 6 x LG-260010                        | 1.8              | 1.8           | 1.8          | 1.0          | 3.0  | 1.8         |
| LG-260008 + 12 x LG-260018E + 6 x LG-260010                        | 1.7              | 1.7           | 1.7          | 1.0          | 3.0  | 1.7         |
| LG-260008 + 12 x LG-260019E + 6 x LG-260010                        | 1.7              | 1.7           | 1.7          | 1.0          | 3.0  | 1.7         |
| LG-260008 + 12 x LG-260020E + 6 x LG-260010                        | 1.7              | 1.7           | 1.7          | 1.0          | 3.0  | 1.7         |
| LG-260008 + 12 x LG-260031E + 6 x LG-260010                        | 1.9              | 1.9           | 1.9          | 1.0          | 3.0  | 1.9         |
| LG-260008 + 12 x LG-260032E + 6 x LG-260010                        | 1.9              | 1.9           | 1.9          | 1.0          | 3.0  | 1.9         |
| LG-260008 + 12 x LG-260033E + 6 x LG-260010                        | 1.9              | 1.9           | 1.9          | 1.0          | 3.0  | 1.9         |
| LG-260008 + 12 x LG-260028E + 6 x LG-260010                        | 2.0              | 2.0           | 2.0          | 1.0          | 6.0  | 2.0         |
| LG-260008 + 12 x LG-260029E + 6 x LG-260010                        | 2.0              | 2.0           | 2.0          | 1.0          | 6.0  | 2.0         |
| LG-260008 + 12 x LG-260030E + 6 x LG-260010                        | 2.0              | 2.0           | 2.0          | 1.0          | 6.0  | 2.0         |
| LG-260009 + 24 x LG-260013E + 12 x LG-260010                       | 3.4              | 3.4           | 3.4          | 2.2          | 3.0  | 3.4         |
| LG-260009 + 24 x LG-260014E + 12 x LG-260010                       | 3.4              | 3.4           | 3.4          | 2.2          | 3.0  | 3.4         |
| LG-260009 + 24 x LG-260015E + 12 x LG-260010                       | 3.4              | 3.4           | 3.4          | 2.2          | 3.0  | 3.4         |
| LG-260009 + 24 x LG-260016E + 12 x LG-260010                       | 3.4              | 3.4           | 3.4          | 2.2          | 3.0  | 3.4         |
| LG-260009 + 24 x LG-260017E + 12 x LG-260010                       | 3.5              | 3.5           | 3.5          | 2.2          | 6.0  | 3.5         |
| LG-260009 + 24 x LG-260018E + 12 x LG-260010                       | 3.4              | 3.4           | 3.4          | 2.2          | 6.0  | 3.4         |
| LG-260009 + 24 x LG-260019E + 12 x LG-260010                       | 3.4              | 3.4           | 3.4          | 2.2          | 6.0  | 3.4         |
| LG-260009 + 24 x LG-260020E + 12 x LG-260010                       | 3.4              | 3.4           | 3.4          | 2.2          | 6.0  | 3.4         |
| LG-260009 + 24 x LG-260031E + 12 x LG-260010                       | 3.7              | 3.7           | 3.7          | 2.2          | 6.0  | 3.7         |
| LG-260009 + 24 x LG-260032E + 12 x LG-260010                       | 3.7              | 3.7           | 3.7          | 2.2          | 6.0  | 3.7         |
| LG-260009 + 24 x LG-260033E + 12 x LG-260010                       | 3.7              | 3.7           | 3.7          | 2.2          | 6.0  | 3.7         |
| LG-260009 + 24 x LG-260028E + 12 x LG-260010                       | 3.8              | 3.8           | 3.8          | 2.2          | 12.0 | 3.8         |
| LG-260009 + 24 x LG-260029E + 12 x LG-260010                       | 3.8              | 3.8           | 3.8          | 2.2          | 12.0 | 3.8         |
| LG-260009 + 24 x LG-260030E + 12 x LG-260010                       | 3.8              | 3.8           | 3.8          | 2.2          | 12.0 | 3.8         |

# Product Environmental Profile

## LCS3+ DC HD systems with preterminated cassettes



To obtain the environmental impact values of products other than the Reference Product, take the environmental impact values of the Reference Product and multiply them by the values in the coefficient table below.

| Coefficient of extrapolation of environmental indicators |                  |               |              |              |     |             |
|----------------------------------------------------------|------------------|---------------|--------------|--------------|-----|-------------|
| Associated references                                    | Total life Cycle | Manufacturing | Distribution | Installation | Use | End of life |
| LG-032176 + 16 x LG-260027E + 8 x LG-LG-032138           | 2.3              | 2.3           | 2.5          | 2.7          | 4.0 | 2.5         |
| LG-032177 + 32 x LG-260021E + 16 x LG-LG-032138          | 3.8              | 3.8           | 4.0          | 4.1          | 4.0 | 3.8         |
| LG-032177 + 32 x LG-260022E + 16 x LG-LG-032138          | 3.8              | 3.8           | 4.0          | 4.1          | 4.0 | 3.8         |
| LG-032177 + 32 x LG-260023E + 16 x LG-LG-032138          | 3.8              | 3.8           | 4.0          | 4.1          | 4.0 | 3.8         |
| LG-032177 + 32 x LG-260024E + 16 x LG-LG-032138          | 3.8              | 3.8           | 4.0          | 4.1          | 4.0 | 3.8         |
| LG-032177 + 32 x LG-260025E + 16 x LG-LG-032138          | 3.9              | 3.9           | 4.0          | 4.1          | 8.0 | 4.1         |
| LG-032177 + 32 x LG-260026E + 16 x LG-LG-032138          | 3.9              | 3.9           | 4.0          | 4.1          | 8.0 | 4.1         |
| LG-032177 + 32 x LG-260027E + 16 x LG-LG-032138          | 3.9              | 3.9           | 4.0          | 4.1          | 8.0 | 4.1         |

|                                                                                                                               |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Registration number: <b>LGRP-02367-V01.01-EN</b>                                                                              | Drafting rules: « <b>PEP-PCR-ed4-EN-2021 09 06</b> »                |
| Verifier accreditation N°: <b>VH08</b>                                                                                        | Information and reference documents: <b>www.pep-ecopassport.org</b> |
| Date of issue: <b>06-2026</b>                                                                                                 | Validity period: <b>5 years</b>                                     |
| <b>Independent verification of the declaration and data, in compliance with ISO 14025 : 2006</b>                              |                                                                     |
| Internal <input type="checkbox"/> External <input checked="" type="checkbox"/>                                                |                                                                     |
| The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain)                                         |                                                                     |
| PEP are compliant with NF C08-100-1 :2016 and EN 50693 :2019 or NF E38-500 :2022                                              |                                                                     |
| 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.<br>Type III environmental declarations» |                                                                     |



Environmental data in alignment with EN 15804: 2012 + A2 : 2019