Starline Holdings LLC
168 Georgetown Road
Canonsburg, PA 15317

legrand.us/starline

# Product Environmental Profile

## Starline Track Busway – T5 Joint Kits (250-630A)

## 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

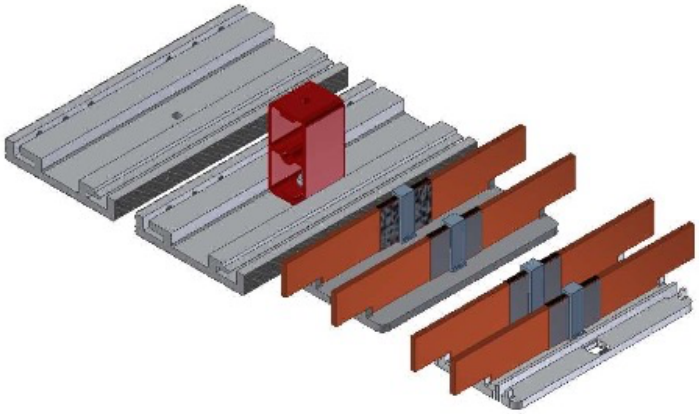
Develop innovative solutions to help our customers design more energy efficient, better managed and more environmentally friendly installations.

• Involve the environment in product design and provide information 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.).

For more information on Legrand's PEPs and other sustainability initiatives, visit www.legrand.us/about-us/csr/circular-economy

## REFERENCE PRODUCT

| | |
|---|---|
| **Function** | Busway joint kit for connecting electrical busways that distribute power within data centers and other critical infrastructure for one unit of product over 10 years. |
| **Reference Product** |  |
| | Part Number: SJK400T5-1 |
| | T5 Joint Kits (250-630A) |



## PRODUCTS CONCERNED

The environmental data is representative of all T5 Joint Kit catalog codes beginning with S, G, or M followed by -JK; followed by -250, --400, -500, -600, or -630; ending with T5 or T5G and a paint code.

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PEP ecoPASSPORT®

## 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.

| | |
|---|---|
| **Total weight of Reference Product** | **3.59 kg** |

| **Plastics as % of weight** | | **Metals as % of weight** | | **Others as % of weight** | |
|---|---|---|---|---|---|
| Product only: 3.10 kg | | | | | |
| Polyphenylene Ether (PPE) | **3.73%** | Aluminum | **40.10%** | | |
| Acrylonitrile Butadiene Styrene (ABS) | **2.70%** | Copper | **38.40%** | | |
| Polybutylene terephthalate (PBT) | **0.04%** | Stainless Steel | **1.04%** | | |
| Polyvinyl Chloride (PVC) | **0.02%** | Steel | **0.38%** | | |
| Packaging only: 0.49 kg | | | | | |
| Low Density Polyethylene (LDPE) | **0.73%** | | | Cardboard | **12.9%** |
| | | | | | |
| **Total plastics** | **7.22%** | **Total metals** | **79.92%** | **Total others** | **12.9%** |

80% of the Cardboard used comes from recycled content.

## MANUFACTURING

This stage includes an aggregation of raw material extraction and supplier processing, delivery of the materials of the manufacturing site, and impacts from manufacturing. This Reference Product comes from a site that has received ISO-14001 certification.

## DISTRIBUTION

Products are distributed from logistics centers located to optimize transport efficiency using EPA SmartWay® certified carriers to reduce greenhouse gases emissions. Information on the distance of distribution is not available so the PCR hypothesis for "Intracontinental transport", 2175 miles (3500 km) by heavy truck, was used. This represents transportation of the Reference Product from our warehouse to the local point of distribution in the North American market.

## INSTALLATION

During installation, no product waste is assumed, and no electricity is used. Packaging disposal has been modeled per US EPA's Advancing Sustainable Materials Management 2018 Facts and Figures Report. The transportation distance is assumed to be 32 km as described by the US EPA WARM Tool.

## USE

The Starline Track Busway System contains three product groups (Straight Sections, Joint Kits, and End Feeds) that are used dependently to form a power distribution system. An electrical impedance test was conducted on a system level for each amperage, combining 2 end feeds, 1 joint kit, and 21ft of straight section for each range, therefore there is no impedance data for a single product group. The impedance of the system is mainly dependent on the length of conductor in the straight section. Therefore, the power dissipation value for any amperage system can be found within the corresponding straight section documentation. Actual power dissipation values for specific order is dependent on the unique number and configuration of the system.

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## END OF LIFE

The recycling rate of each waste material is adopted from the US EPA's Advancing Sustainable Materials Management 2018 Facts and Figures Report including metals and plastics. The remaining portion of the waste is not recycled and is conservatively assumed landfilled.

The transportation distance is assumed to be 32 km as described by the US EPA WARM Tool.

## ENVIRONMENTAL IMPACTS

The evaluation of environmental impacts examines the stages of the Reference Product life cycle: manufacturing, distribution, installation, use and end of life. It is representative of products marketed and used globally.

For each stage, the following modelling elements were taken into account at each life cycle stage (and module):

| | | |
|---|---|---|
| System Boundary | **Manufacturing (A1-A3)** | Materials and components of the product, all transport for the manufacturing, the packaging and the waste generated by the manufacturing. Facility energy data was used. |
| | **Distribution (A4)** | Transport between the last distribution center and an average delivery point in the sales area. |
| | **Installation (A5)** | The end of life of the packaging. |
| | **Use (B1-B7)** | Electricity use not accounted for in this PEP. Reference Lifetime (RLT) is not indicative of product warranty or expected lifetime of the product. |
| | **End of life (C1-C4)** | The transportation distance for waste disposal is assumed to be 32 km as described by the EPA WARM tool. |
| **Benefits & Loads (Module D)** | | Module D was not assessed in this study. |
| **Software and database used** | | EIME V6.1.1 and its CODDE-2023-02 database |

For each stage, the energy mix modelled is based on default information integrated in the data modules used from the aforementioned database unless otherwise indicated.

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# Product Environmental Profile

## Starline Track Busway – T5 Joint Kits (250-630A)

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## ENVIRONMENTAL IMPACTS

| Environmental Impact Indicators | | Total Life Cycle Impacts | | Manufacturing | Distribution | Installation | Use | End of Life |
|---|---|---|---|---|---|---|---|---|
| | | | | A1-A3 | A4 | A5 | B1-B7 | C1-C4 |
| Climate change - total | GWP | 3.10E+01 | kg $CO_2$ eq | 2.70E+01 | 9.71E-01 | 6.05E-01 | 0.00E+00 | 2.40E+00 |
| Climate change - fossil fuels | GWPf | 2.92E+01 | kg $CO_2$ eq | 2.61E+01 | 2.77E-01 | 5.82E-01 | 0.00E+00 | 2.28E+00 |
| Climate change - biogenics | GWPb | 1.05E+00 | kg $CO_2$ eq | 9.13E-01 | 0.00E+00 | 2.32E-02 | 0.00E+00 | 1.18E-01 |
| Climate change - land use and land use transformation | GWPlu | 6.88E-06 | kg $CO_2$ eq | 7.31E-07 | 0.00E+00 | -3.13E-09 | 0.00E+00 | 6.16E-06 |
| Ozone depletion | ODP | 4.47E-06 | kg CFC-11 eq | 4.11E-06 | 2.46E-07 | 8.45E-09 | 0.00E+00 | 1.06E-07 |
| Acidification | AP | 4.30E-01 | mole of H+ eq | 4.01E-01 | 1.25E-03 | 1.39E-03 | 0.00E+00 | 2.58E-02 |
| Eutrophication, freshwater | Epf | 6.93E-03 | kg P eq | 8.43E-04 | 3.26E-08 | 7.55E-06 | 0.00E+00 | 6.08E-03 |
| Eutrophication, marine aquatic | Epm | 2.39E-02 | kg of N eq | 2.02E-02 | 5.78E-04 | 7.19E-04 | 0.00E+00 | 2.46E-03 |
| Eutrophication, terrestrial | Ept | 2.69E-01 | mole of N eq | 2.25E-01 | 6.26E-03 | 4.09E-03 | 0.00E+00 | 3.32E-02 |
| Photochemical ozone formation | POCP | 9.60E-02 | kg NMVOC eq | 8.50E-02 | 2.03E-03 | 9.66E-04 | 0.00E+00 | 8.05E-03 |
| Abiotic resource depletion – elements | ADPe | 2.10E-03 | kg Sb eq | 1.90E-03 | 2.39E-11 | 1.26E-08 | 0.00E+00 | 1.93E-04 |
| Abiotic resource depletion – fossil fuels | ADPf | 4.52E+02 | MJ | 4.38E+02 | 3.46E+00 | 4.76E+00 | 0.00E+00 | 6.14E+00 |
| Water use | WU | 2.08E+01 | $m^3$ world eq | 1.75E+01 | 1.41E-02 | 4.44E-02 | 0.00E+00 | 3.21E+00 |

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.

The environmental impact of the Reference Product is most significant during the Manufacturing stage.

# Product Environmental Profile

## Starline Track Busway – T5 Joint Kits (250-630A)



## ENVIRONMENTAL IMPACTS

| Inventory Flow Indicators | | Total Life Cycle Impacts | | Manufactu-ring | Distribution | Installation | Use | End of Life |
|---|---|---|---|---|---|---|---|---|
| | | | | A1-A3 | A4 | A5 | B1-B7 | C1-C4 |
| Use of renewable primary energy, excluding renewable primary energy resources used as raw materials | ERP | 2.72E+01 | MJ | 2.39E+01 | 2.26E-05 | 6.35E-01 | 0.00E+00 | 2.62E+00 |
| Use of renewable primary energy resources used as raw materials | ERM | 1.67E+00 | MJ | 1.67E+00 | - | - | 0.00E+00 | 0.00E+00 |
| Total use of renewable primary energy resources | ER | 2.89E+01 | MJ | 2.56E+01 | 2.26E-05 | 6.35E-01 | 0.00E+00 | 2.62E+00 |
| Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials | ENRP | 4.40E+02 | MJ | 4.26E+02 | 3.46E+00 | 4.76E+00 | 0.00E+00 | 6.14E+00 |
| Use of non-renewable primary energy resources used as raw materials | ENRM | 1.15E+01 | MJ | 1.15E+01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Total use of non-renewable primary energy resources | ENR | 4.52E+02 | MJ | 4.38E+02 | 3.46E+00 | 4.76E+00 | 0.00E+00 | 6.14E+00 |
| Use of secondary materials | USM | 3.71E-01 | kg | 3.71E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Use of renewable secondary fuels | URSF | 0.00E+00 | MJ | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Use of non-renewable secondary fuels | UNRSF | 0.00E+00 | MJ | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Net use of fresh water | NUFW | 4.83E-01 | $m^3$ | 4.07E-01 | 3.29E-04 | 1.03E-03 | 0.00E+00 | 7.48E-02 |
| Hazardous waste disposed | HWD | 1.73E+02 | kg | 1.73E+02 | 2.31E-04 | 1.22E-02 | 0.00E+00 | -2.64E-01 |
| Non-hazardous waste disposed | NHWD | 4.21E+01 | kg | 4.09E+01 | 2.83E-04 | 2.37E-01 | 0.00E+00 | 9.67E-01 |
| Radioactive waste disposed | RWD | 2.91E-02 | kg | 2.88E-02 | 5.53E-05 | 2.62E-05 | 0.00E+00 | 1.79E-04 |
| Components for re-use | CRU | 0.00E+00 | kg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Materials for recycling | MRE | 1.33E+00 | kg | 3.33E-01 | 0.00E+00 | 3.59E-03 | 0.00E+00 | 9.89E-01 |
| Materials for energy recovery | MER | 0.00E+00 | kg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Exported energy | EE | 0.00E+00 | MJ | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Biogenic carbon content of the product | BCpdt | 0.00E+00 | kg C | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Biogenic carbon content of the associated packaging | BCpkg | 1.99E-01 | kg C | 1.99E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

In accordance with the PCR, the “Benefits & Loads” are beyond the system boundary and are thus not included in the results of “Total Life Cycle Impacts”.

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

## Starline Track Busway – T5 Joint Kits (250-630A)



## ENVIRONMENTAL IMPACTS

For products other than the Reference Product, the environmental impacts can be calculated using the coefficients below:

| Product | Phase | GWP-Total | GWP-Fossil | GWP-Biogenic | GWP-Land Use | ODP | AP | EP-Freshwater | EP-Marine | EP-Terrestrial | POCP | ADPe | ADPf | WU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CJK400T5 | 1.Manufacturing | 0.9 | 0.9 | 0.8 | 0.5 | 0.9 | 0.7 | 0.6 | 0.9 | 0.9 | 0.8 | 0.5 | 0.9 | 0.7 |
| | 2.Distribution | 0.8 | 0.8 | - | - | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 3.Installation | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 5.End of life | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.9 | 0.5 |
| CJK400T5G | 1.Manufacturing | 0.9 | 0.9 | 0.9 | 0.6 | 0.9 | 0.7 | 0.6 | 0.9 | 0.9 | 0.9 | 0.6 | 0.9 | 0.7 |
| | 2.Distribution | 0.8 | 0.8 | - | - | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 3.Installation | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 5.End of life | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 1.0 | 0.6 |
| GJK250T5 | 1.Manufacturing | 0.9 | 0.9 | 0.8 | 0.5 | 0.9 | 0.7 | 0.6 | 0.9 | 0.9 | 0.8 | 0.5 | 0.9 | 0.7 |
| | 2.Distribution | 0.8 | 0.8 | - | - | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 3.Installation | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 5.End of life | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.2 | 0.5 |
| GJK250T5G | 1.Manufacturing | 0.9 | 0.9 | 0.9 | 0.6 | 0.9 | 0.7 | 0.6 | 0.9 | 0.9 | 0.9 | 0.6 | 1.0 | 0.7 |
| | 2.Distribution | 0.8 | 0.8 | - | - | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 3.Installation | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 5.End of life | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 1.3 | 0.6 |
| GJK400T5 | 1.Manufacturing | 0.9 | 0.9 | 0.8 | 0.5 | 0.9 | 0.7 | 0.6 | 0.9 | 0.9 | 0.8 | 0.5 | 0.9 | 0.7 |
| | 2.Distribution | 0.8 | 0.8 | - | - | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 3.Installation | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 5.End of life | 0.6 | 0.6 | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.2 | 0.5 |
| GJK400T5G | 1.Manufacturing | 0.9 | 0.9 | 0.9 | 0.6 | 0.9 | 0.7 | 0.6 | 0.9 | 0.9 | 0.9 | 0.6 | 1.0 | 0.7 |
| | 2.Distribution | 0.8 | 0.8 | - | - | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 3.Installation | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 5.End of life | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 1.3 | 0.6 |
| GJK500T5 | 1.Manufacturing | 1.3 | 1.3 | 1.3 | 1.9 | 1.3 | 1.6 | 1.8 | 1.4 | 1.4 | 1.5 | 1.9 | 1.3 | 1.8 |
| | 2.Distribution | 1.5 | 1.5 | - | - | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 3.Installation | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 5.End of life | 2.0 | 2.0 | 1.9 | 1.9 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.0 | 1.6 | 1.9 |
| GJK500T5G | 1.Manufacturing | 1.3 | 1.3 | 1.3 | 2.0 | 1.4 | 1.7 | 1.9 | 1.4 | 1.4 | 1.5 | 2.0 | 1.4 | 1.9 |
| | 2.Distribution | 1.5 | 1.5 | - | - | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 3.Installation | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 5.End of life | 2.1 | 2.1 | 2.0 | 2.0 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.1 | 1.6 | 2.0 |
| GJK630T5 | 1.Manufacturing | 1.3 | 1.3 | 1.3 | 1.9 | 1.3 | 1.6 | 1.8 | 1.4 | 1.4 | 1.5 | 1.9 | 1.3 | 1.8 |
| | 2.Distribution | 1.5 | 1.5 | - | - | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 3.Installation | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 5.End of life | 2.0 | 2.0 | 1.9 | 1.9 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.0 | 1.5 | 1.9 |
| GJK630T5G | 1.Manufacturing | 1.3 | 1.3 | 1.3 | 2.0 | 1.4 | 1.7 | 1.9 | 1.4 | 1.4 | 1.5 | 2.0 | 1.4 | 1.9 |
| | 2.Distribution | 1.5 | 1.5 | - | - | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 3.Installation | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 5.End of life | 2.1 | 2.1 | 2.0 | 2.0 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.1 | 1.5 | 2.0 |
| MJK250T5 | 1.Manufacturing | 0.9 | 0.9 | 0.8 | 0.5 | 0.9 | 0.7 | 0.6 | 0.9 | 0.9 | 0.8 | 0.5 | 0.9 | 0.7 |
| | 2.Distribution | 0.8 | 0.8 | - | - | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |

| Product | Phase | GWP-Total | GWP-Fossil | GWP-Bio-genic | GWP-Land Use | ODP | AP | EP-Freshwater | EP-Marine | EP-Terre-strial | POCP | ADPe | ADPf | WU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3.Installation | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 5.End of life | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.2 | 0.5 |
| MJK250T5G | 1.Manufacturing | 0.9 | 0.9 | 0.9 | 0.6 | 0.9 | 0.7 | 0.6 | 0.9 | 0.9 | 0.9 | 0.6 | 1.0 | 0.7 |
| | 2.Distribution | 0.8 | 0.8 | - | - | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 3.Installation | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 5.End of life | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 1.3 | 0.6 |
| MJK400T5 | 1.Manufacturing | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | 2.Distribution | 1.0 | 1.0 | - | - | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | 3.Installation | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | 5.End of life | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.0 |
| MJK400T5G | 1.Manufacturing | 1.0 | 1.0 | 1.0 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | 2.Distribution | 1.0 | 1.0 | - | - | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | 3.Installation | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | 5.End of life | 1.1 | 1.1 | 1.1 | 1.1 | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.3 | 1.1 |
| MJK630T5 | 1.Manufacturing | 1.3 | 1.3 | 1.3 | 1.9 | 1.3 | 1.6 | 1.8 | 1.4 | 1.4 | 1.5 | 1.9 | 1.3 | 1.8 |
| | 2.Distribution | 1.5 | 1.5 | - | - | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 3.Installation | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 5.End of life | 2.0 | 2.0 | 1.9 | 1.9 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.0 | 1.5 | 1.9 |
| MJK630T5G | 1.Manufacturing | 1.3 | 1.3 | 1.3 | 2.0 | 1.4 | 1.7 | 1.9 | 1.4 | 1.4 | 1.5 | 2.0 | 1.4 | 1.9 |
| | 2.Distribution | 1.5 | 1.5 | - | - | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 3.Installation | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 5.End of life | 2.1 | 2.1 | 2.0 | 2.0 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.1 | 1.5 | 2.0 |
| SJK250T5 | 1.Manufacturing | 0.9 | 0.9 | 0.8 | 0.5 | 0.9 | 0.7 | 0.6 | 0.9 | 0.9 | 0.8 | 0.5 | 0.9 | 0.7 |
| | 2.Distribution | 0.8 | 0.8 | - | - | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 3.Installation | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 5.End of life | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.9 | 0.5 |
| SJK250T5G | 1.Manufacturing | 0.9 | 0.9 | 0.9 | 0.6 | 0.9 | 0.7 | 0.6 | 0.9 | 0.9 | 0.9 | 0.6 | 0.9 | 0.7 |
| | 2.Distribution | 0.8 | 0.8 | - | - | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 3.Installation | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | 5.End of life | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 1.0 | 0.6 |
| SJK400T5G | 1.Manufacturing | 1.0 | 1.0 | 1.0 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | 2.Distribution | 1.0 | 1.0 | - | - | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | 3.Installation | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | 5.End of life | 1.0 | 1.0 | 1.1 | 1.1 | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.0 | 1.0 |
| SJK500T5 | 1.Manufacturing | 1.3 | 1.3 | 1.3 | 1.9 | 1.3 | 1.6 | 1.8 | 1.4 | 1.4 | 1.5 | 1.9 | 1.3 | 1.8 |
| | 2.Distribution | 1.5 | 1.5 | - | - | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 3.Installation | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 5.End of life | 2.0 | 2.0 | 1.9 | 1.9 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.0 | 1.2 | 1.9 |
| SJK500T5G | 1.Manufacturing | 1.3 | 1.3 | 1.3 | 2.0 | 1.4 | 1.7 | 1.9 | 1.4 | 1.4 | 1.5 | 2.0 | 1.4 | 1.9 |
| | 2.Distribution | 1.5 | 1.5 | - | - | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 3.Installation | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 5.End of life | 2.1 | 2.1 | 2.0 | 2.0 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.1 | 1.2 | 2.0 |
| SJK600T5 | 1.Manufacturing | 1.3 | 1.3 | 1.3 | 1.9 | 1.3 | 1.6 | 1.8 | 1.4 | 1.4 | 1.5 | 1.9 | 1.3 | 1.8 |
| | 2.Distribution | 1.5 | 1.5 | - | - | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |

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# Product Environmental Profile

## Starline Track Busway – T5 Joint Kits (250-630A)

| Product | Phase | GWP-Total | GWP-Fossil | GWP-Bio-genic | GWP-Land Use | ODP | AP | EP-Freshwater | EP-Marine | EP-Terre-strial | POCP | ADPe | ADPf | WU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3.Installation | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 5.End of life | 2.0 | 2.0 | 1.9 | 1.9 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.0 | 1.2 | 1.9 |
| SJK600T5G | 1.Manufacturing | 1.3 | 1.3 | 1.3 | 2.0 | 1.4 | 1.7 | 1.9 | 1.4 | 1.4 | 1.5 | 2.0 | 1.4 | 1.9 |
| | 2.Distribution | 1.5 | 1.5 | - | - | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 3.Installation | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | 5.End of life | 2.1 | 2.1 | 2.0 | 2.0 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.1 | 1.2 | 2.0 |


| | |
|---|---|
| Registration number: LGRP-01877-V01.01-EN | Drafting rules: “PEP-PCR-ed4-EN-2021 09 06” |
| Verifier accreditation number: VH43 | Information and reference documents: www.pep-ecopassport.org |
| Date of Issue : 12-2023 | Validity Period : 5 years |
| Independent verification of the declaration and data in compliance with ISO 14025:2006<br>Internal ☒ External ☐ | |
| The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain) | |
| PEP compliant with XP C08-100-1:2016 or EN 50693:2019<br>The content of this PEP cannot be compared with content from any other program. | |
| PEP compliant with ISO 14025:2006: “Environmental labels and declarations - Type III environmental declarations” | |

LCA compliant with ISO 14040:2006: “Environmental management – LCA – Principles and framework”
LCA compliant with ISO 14044:2006: “Environmental management – LCA – Requirements and guidelines”
Environmental data in alignment with EN 15804:2012 + A2:2019: “Sustainability of construction works - EPD’s - Core rules for the product category of construction products”