

ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025 / ISO 21930

CitySoul LED gen2 mini

BGP/BPP/BRP/BSP/BVP530, BPP532

Signify N.V.



 signify

EPD HUB

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CitySoul LED gen2 mini

GENERAL INFORMATION

MANUFACTURER

Manufacturer	Signify N.V.
Address	High Tech Campus 48, 5656 AE Eindhoven, The Netherlands
Contact details	sustainability@signify.com
Website	https://www.signify.com/global

EPD STANDARDS, SCOPE AND VERIFICATION

Program operator	EPD Hub, hub@epdhub.com
Reference standard	EN 15804+A2:2019 and ISO 14025
PCR	EPD Hub Core PCR version 1.0, 1 Feb 2022
Sector	Electrical product
Category of EPD	Pre-verified EPD
Scope of the EPD	Cradle to gate with options, A4-B7, and modules C1-C4, D
EPD author	Sustainability Signify
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☒ Internal certification ☐ External verification

The manufacturer has the sole ownership, liability, and responsibility for the EPD. EPDs within the same product category but from different programs may not be comparable. EPDs of lighting products may not be comparable if they do not comply with EN 15804 and if they are not compared in a lighting context.

PRODUCT

CitySoul LED gen2 mini

Product name	CitySoul LED gen2
Additional labels	BPP530 LED60-4S/830 II DM50 D9 AL GR
Product reference	912300024408
Place of production	Spain
Period for data	2022
Averaging in EPD	No averaging
Variation in GWP-fossil for A1-A3	Not applicable

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 Unit
Declared unit mass	12.8 kg
GWP-fossil, A1-A3 (kgCO ₂ e)	2,71E+02
GWP-total, A1-A3 (kgCO ₂ e)	2,69E+02
Secondary material, inputs (%)	5.81
Secondary material, outputs (%)	59.1
Total energy use, A1-A3 (kWh)	794.0
Total water use, A1-A3 (m ³ e)	1,21E+00

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

Signify is the world leader in lighting for professionals, consumers and lighting for the Internet of Things. Our energy efficient lighting products, systems and services enable our customers to enjoy a superior quality of light, and make people’s lives safer and more comfortable, businesses more productive and cities more liveable.

For more information, please visit: <https://www.signify.com/global>

PRODUCT DESCRIPTION

CitySoul LED gen2 is one of the most versatile and inspirational urban street lighting families designed by Philips to date. The design is flatter, completely round, and the transitions with the spigot and bracket are entirely flush, thereby giving your cityscape a coherent, elegant and discreet identity. This highly efficient range delivers excellent lighting levels whilst also providing the right ambiance for all urban application areas, from the outskirts of the city right through to the city center. By evolving the modularity of the CitySoul family and adding new innovations like the Lyre and the Accent bracket, Philips has made this range the ideal toolbox for every urban context. Designed around its LED engine, CitySoul LED gen2 is highly efficient and easy to maintain. It comes in two sizes and is suitable for side-entry, post-top, catenary and suspended mounting. Thanks to the built in Philips Ledgine optimized LED platform, and the wide range of available application-tailored optics, CitySoul LED gen2 delivers the right amount of light and in the right direction on your street, enabling further energy savings. The luminaire comes with one or two Philips SR (System Ready) sockets, which makes the luminaire future ready. What this means is that CitySoul LED gen2 is ready to be paired with both standalone and advanced control and lighting software applications such as Interact City from Signify. Next to this, each individual luminaire is

uniquely identifiable, thanks to the Philips Service tag application. With a simple scan of a QR code, placed on the inside of the mast door or directly on the luminaire, you gain instant access to the luminaire configuration, making maintenance and programming operations faster and easier, and enabling you to create your digital library of lighting assets and spare parts. CitySoul LED gen2 can also be equipped with our dedicated light recipe that preserves a dark night sky.

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass- %	Material origin
Metals	73.53	EU , APAC
Minerals	16.3	EU
Fossil materials	10.18	EU , APAC
Bio-based materials	0	

BIOGENIC CARBON CONTENT

Product’s biogenic carbon content at the factory gate

Biogenic carbon content in product, kg C	0
Biogenic carbon content in packaging, kg C	0.695

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 Unit
Mass per declared unit	12.8 kg
Functional unit	1 unit of 5100 lumens over 100000 hours
Reference service life	100000 hours

SUBSTANCES, REACH - VERY HIGH CONCERN

The product does not contain any REACH SVHC substances in amounts greater than 0,1 % (1000 ppm).

PRODUCT LIFE-CYCLE

SYSTEM BOUNDARY

This EPD covers the life-cycle modules listed in the following table.

Product stage			Assembly stage		Use stage							End of life stage				Beyond the system boundaries	
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D	
x	x	x	x	x	MNR	MNR	MNR	MNR	MNR	x	MNR	MNR	x	x	x	x	
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstr./demol.	Transport	Waste processing	Disposal	Reuse	Recycling

Modules not relevant = MNR.

MANUFACTURING AND PACKAGING (A1-A3)

The environmental impacts considered for the product stage cover the manufacturing of raw materials used in the production as well as packaging materials and other ancillary materials. Also, electricity, and waste formed in the production processes at the manufacturing facilities are included in this stage.

The product is made of metals, plastics, and electronic components. All components are transported to the production facility, where the main manufacturing processes primarily are associated with assembly. The finished product is packaged with polyethylene, cardboard, and/or paper as packaging material before being sent to customers. Manufacturing loss, ancillaries and wastes are calculated according to the data that each manufacturing site is sharing with Signify. The total annual amount of waste in kg is allocated to the total annual production in kg at the specific manufacturing site responsible for the production of the studied product. Thus, it

is possible to allocate it according to the weight of the product analysed in this study. Some of the wastes are due to ancillary materials used during manufacturing while the rest is due to material losses.

TRANSPORT AND ASSEMBLY (A4-A5)

Transport distances were calculated on the base of the supplier location and manufacturing location and then made a cumulative group choosing the conservative scenario. Environmental impacts from installation include waste packaging materials (A5). The impacts of energy consumption and the used ancillary materials during installation are considered negligible.

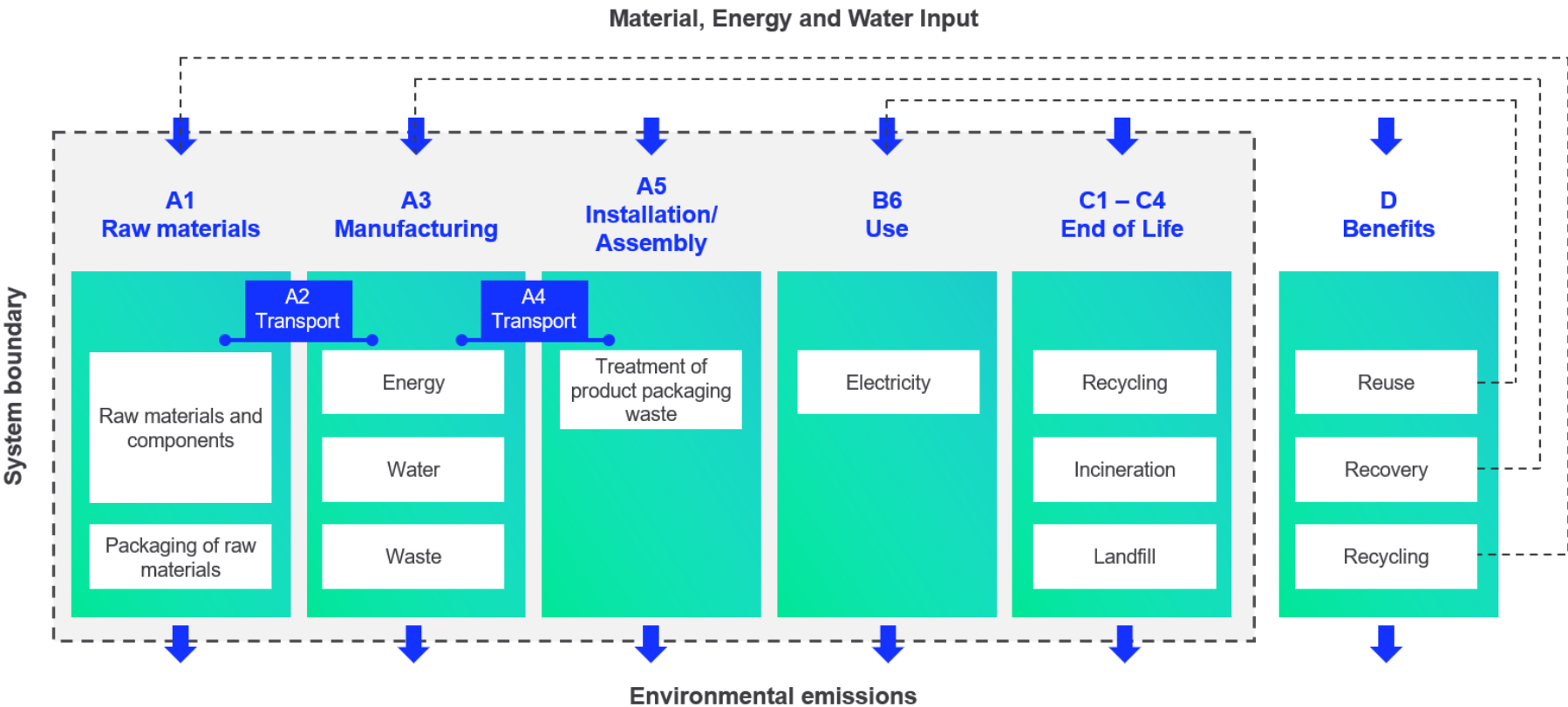
PRODUCT USE AND MAINTENANCE (B1-B7)

During the use phase, the product consumes electricity from Europe’s or the rest of the world’s electricity grid mix (B6). The total power consumption of the reference product is calculated as follows: Wattage x Reference lifetime = kWh consumed throughout the entire use phase B6.

PRODUCT END OF LIFE (C1-C4, D)

Consumption of energy and natural resources in demolition process is assumed to be negligible. It is assumed that the waste is collected separately and transported to the waste treatment centre. Transportation distance to treatment is assumed as 150 km and the transportation method is assumed to be lorry (C2). According to EN 50693:2019, the sequence of treatment operations occurring to the product shall include de-pollution, fractions separation and preparation (dismantling, crushing, shredding, sorting), recycling, other material recovery, energy recovery and disposal. In this study, the default values from table G.4 of EN 50693 is used for treating materials in different waste treatment methods. Due to the material and energy recovery potential of parts in the lighting system, the end-of-life product is converted into recycled raw materials, while the energy recovered from incineration displaces electricity and heat production (D). The benefits and loads of incineration and recycling are included in Module D.

SYSTEM BOUNDARY



LIFE-CYCLE ASSESSMENT

CUT-OFF CRITERIA

The study does not exclude any modules or processes which are stated mandatory in the reference standard and the applied PCR. The study does not exclude any hazardous materials or substances. The study includes all major raw material and energy consumption. All inputs and outputs of the unit processes, for which data is available for, are included in the calculation. There is no neglected unit process more than 1% of total mass or energy flows. The module specific total neglected input and output flows also do not exceed 5% of energy usage or mass.

ALLOCATION, ESTIMATES AND ASSUMPTIONS

Allocation is required if some material, energy, and waste data cannot be measured separately for the product under investigation. All allocations are done as per the reference standards and the applied PCR. In this study, ancillary materials, energy & water consumption, material loss and waste generation at the manufacturing site are attributed to the bill of materials of the products, therefore, they are allocated by partitioning the quantities on the base of the total production in kg throughout the year. Thus, allocation has been done in the following ways:

Data type	Allocation
Raw materials	No allocation
Packaging materials	No allocation
Ancillary materials	Allocated by mass or volume
Manufacturing energy and waste	Allocated by mass or volume

This EPD is created with a most conservative scenario in A1-A3 in terms of material composition.

AVERAGES AND VARIABILITY

Type of average	No averaging
Averaging method	Not applicable
Variation in GWP-fossil for A1-A3	Not applicable

This EPD is product and factory specific and does not contain average calculations. It is created with a most conservative scenario in A1-A3 in terms of material composition.

LCA SOFTWARE AND BIBLIOGRAPHY

This EPD has been created using One Click LCA EPD Generator. The LCA and EPD have been prepared according to the reference standards and ISO 14040/14044. EcoInvent 3.8 database was used as the source of environmental data.

ENVIRONMENTAL IMPACT DATA

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP – total ¹⁾	kg CO ₂ e	2,66E+02	2,74E+00	-2,68E-01	2,69E+02	2,74E+00	2,68E+00	MNR	MNR	MNR	MNR	MNR	1,59E+03	MNR	MNR	1,81E-01	9,01E-01	8,96E-01	-1,24E+02
GWP – fossil	kg CO ₂ e	2,66E+02	2,73E+00	2,23E+00	2,71E+02	2,73E+00	1,74E-01	MNR	MNR	MNR	MNR	MNR	1,58E+03	MNR	MNR	1,81E-01	9,01E-01	8,96E-01	-1,24E+02
GWP – biogenic	kg CO ₂ e	-9,03E-02	0,00E+00	-2,51E+00	-2,60E+00	1,06E-03	2,51E+00	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	MNR	0,00E+00	0,00E+00	0,00E+00	-1,36E-02
GWP – LULUC	kg CO ₂ e	3,73E-01	1,01E-03	1,40E-02	3,88E-01	1,01E-03	2,33E-05	MNR	MNR	MNR	MNR	MNR	3,71E+00	MNR	MNR	6,67E-05	2,45E-04	1,73E-04	-9,34E-03
Ozone depletion pot.	kg CFC ₁₁ e	1,02E-05	6,29E-07	2,09E-07	1,10E-05	6,29E-07	6,77E-09	MNR	MNR	MNR	MNR	MNR	8,05E-05	MNR	MNR	4,16E-08	2,04E-08	1,79E-08	-3,36E-06
Acidification potential	mol H ⁺ e	1,86E+00	1,16E-02	1,08E-02	1,88E+00	1,16E-02	5,42E-04	MNR	MNR	MNR	MNR	MNR	9,05E+00	MNR	MNR	7,65E-04	2,12E-03	8,47E-04	-1,24E+00
EP-freshwater ²⁾	kg Pe	1,07E-02	2,24E-05	1,20E-04	1,08E-02	2,24E-05	7,10E-07	MNR	MNR	MNR	MNR	MNR	1,68E-01	MNR	MNR	1,48E-06	7,75E-06	7,37E-06	-7,76E-03
EP-marine	kg Ne	2,73E-01	3,45E-03	4,93E-03	2,81E-01	3,44E-03	2,32E-04	MNR	MNR	MNR	MNR	MNR	1,20E+00	MNR	MNR	2,28E-04	4,96E-04	1,43E-03	-1,38E-01
EP-terrestrial	mol Ne	3,02E+00	3,81E-02	3,10E-02	3,09E+00	3,80E-02	2,40E-03	MNR	MNR	MNR	MNR	MNR	1,37E+01	MNR	MNR	2,51E-03	5,61E-03	2,72E-03	-1,59E+00
POCP (“smog”) ³⁾	kg NMVOCe	8,84E-01	1,22E-02	8,85E-03	9,05E-01	1,21E-02	5,99E-04	MNR	MNR	MNR	MNR	MNR	3,74E+00	MNR	MNR	8,03E-04	1,52E-03	9,84E-04	-4,59E-01
ADP-minerals & metals ⁴⁾	kg Sbe	3,54E-03	6,41E-06	1,25E-05	3,56E-03	6,41E-06	2,21E-07	MNR	MNR	MNR	MNR	MNR	1,48E-02	MNR	MNR	4,24E-07	1,91E-05	3,52E-07	-4,64E-04
ADP-fossil resources	MJ	2,62E+03	4,11E+01	3,18E+01	2,69E+03	4,11E+01	5,34E-01	MNR	MNR	MNR	MNR	MNR	3,37E+04	MNR	MNR	2,72E+00	2,25E+00	1,76E+00	-1,21E+03
Water use ⁵⁾	m ³ e depr.	5,13E+01	1,84E-01	1,22E+00	5,27E+01	1,84E-01	1,25E-01	MNR	MNR	MNR	MNR	MNR	9,22E+02	MNR	MNR	1,22E-02	6,44E-02	1,02E-01	-7,98E+00

1) GWP = Global Warming Potential; 2) EP = Eutrophication potential. Required characterisation method and data are in kg P-eq. Multiply by 3,07 to get PO₄e; 3) POCP = Photochemical ozone formation; 4) ADP = Abiotic depletion potential; 5) EN 15804+A2 disclaimer for Abiotic depletion and Water use and optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

ADDITIONAL (OPTIONAL) ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Particulate matter	Incidence	2,02E-05	3,15E-07	1,97E-07	2,07E-05	3,15E-07	4,96E-09	MNR	MNR	MNR	MNR	MNR	2,97E-05	MNR	MNR	2,08E-08	2,75E-08	1,47E-08	-6,68E-06
Ionizing radiation ⁶⁾	kBq U235e	8,65E+00	1,96E-01	1,05E-01	8,95E+00	1,96E-01	1,90E-03	MNR	MNR	MNR	MNR	MNR	9,13E+02	MNR	MNR	1,29E-02	1,33E-02	9,34E-03	-7,26E+00
Ecotoxicity (freshwater)	CTUe	8,40E+03	3,69E+01	9,08E+01	8,52E+03	3,69E+01	3,53E+00	MNR	MNR	MNR	MNR	MNR	2,29E+04	MNR	MNR	2,44E+00	1,11E+01	8,51E+02	-2,23E+03
Human toxicity, cancer	CTUh	3,03E-07	9,08E-10	1,54E-09	3,06E-07	9,08E-10	1,67E-10	MNR	MNR	MNR	MNR	MNR	7,51E-07	MNR	MNR	6,00E-11	3,48E-10	8,13E-10	4,76E-09
Human tox. non-cancer	CTUh	6,54E-06	3,66E-08	3,01E-08	6,61E-06	3,66E-08	7,06E-09	MNR	MNR	MNR	MNR	MNR	2,47E-05	MNR	MNR	2,42E-09	1,47E-08	1,78E-08	-2,28E-06
SQP ⁷⁾	-	6,28E+02	4,73E+01	8,16E+01	7,57E+02	4,73E+01	2,92E-01	MNR	MNR	MNR	MNR	MNR	6,10E+03	MNR	MNR	3,13E+00	4,15E+00	2,62E+00	-2,23E+02

6) EN 15804+A2 disclaimer for ionizing radiation, human health. This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator; 7) SQP = Land use related impacts/soil quality.

USE OF NATURAL RESOURCES

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Renew. PER as energy ⁸⁾	MJ	1,77E+02	4,63E-01	1,96E+01	1,97E+02	4,63E-01	1,71E-02	MNR	MNR	MNR	MNR	MNR	6,87E+03	MNR	MNR	3,06E-02	3,22E-01	7,75E-02	-1,58E+01
Renew. PER as material	MJ	8,38E-01	0,00E+00	2,21E+01	2,30E+01	0,00E+00	-2,21E+01	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renew. PER	MJ	1,78E+02	4,63E-01	4,18E+01	2,20E+02	4,63E-01	-2,21E+01	MNR	MNR	MNR	MNR	MNR	6,87E+03	MNR	MNR	3,06E-02	3,22E-01	7,75E-02	-1,58E+01
Non-re. PER as energy	MJ	2,59E+03	4,11E+01	2,87E+01	2,66E+03	4,11E+01	5,34E-01	MNR	MNR	MNR	MNR	MNR	3,37E+04	MNR	MNR	2,72E+00	2,25E+00	1,76E+00	-1,21E+03
Non-re. PER as material	MJ	2,19E+01	0,00E+00	2,41E+00	2,43E+01	0,00E+00	-2,41E+00	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	MNR	0,00E+00	-8,87E+00	-8,88E+00	0,00E+00
Total use of non-re. PER	MJ	2,61E+03	4,11E+01	3,11E+01	2,68E+03	4,11E+01	-1,88E+00	MNR	MNR	MNR	MNR	MNR	3,37E+04	MNR	MNR	2,72E+00	-6,62E+00	-7,11E+00	-1,21E+03
Secondary materials	kg	7,44E-01	1,14E-02	1,63E+00	2,39E+00	1,14E-02	6,33E-04	MNR	MNR	MNR	MNR	MNR	3,47E+00	MNR	MNR	7,54E-04	2,29E-03	4,59E-03	5,06E+00
Renew. secondary fuels	MJ	3,68E-02	1,15E-04	1,17E-01	1,54E-01	1,15E-04	1,00E-05	MNR	MNR	MNR	MNR	MNR	2,82E-02	MNR	MNR	7,61E-06	1,15E-04	3,33E-05	-1,99E-03
Non-ren. secondary fuels	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water	m ³	1,18E+00	5,32E-03	2,91E-02	1,21E+00	5,32E-03	2,06E-03	MNR	MNR	MNR	MNR	MNR	2,90E+01	MNR	MNR	3,52E-04	2,12E-03	1,25E-03	-3,70E-01

8) PER = Primary energy resources.

END OF LIFE – WASTE

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	MNR	0,00E+00	7,57E+00	0,00E+00	0,00E+00
Materials for energy rec	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy	MJ	0,00E+00	0,00E+00	7,08E-01	7,08E-01	0,00E+00	0,00E+00	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	MNR	0,00E+00	6,70E+00	0,00E+00	0,00E+00

END OF LIFE – OUTPUT FLOWS

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Hazardous waste	kg	4,81E+01	5,45E-02	1,25E-01	4,82E+01	5,45E-02	3,72E-03	MNR	MNR	MNR	MNR	MNR	1,21E+02	MNR	MNR	3,60E-03	1,59E-02	7,87E-03	-1,96E+01
Non-hazardous waste	kg	4,09E+02	8,94E-01	2,48E+00	4,12E+02	8,95E-01	1,69E+00	MNR	MNR	MNR	MNR	MNR	7,66E+03	MNR	MNR	5,92E-02	8,49E-01	4,91E+00	-3,52E+02
Radioactive waste	kg	4,41E-03	2,75E-04	6,12E-05	4,74E-03	2,75E-04	9,02E-07	MNR	MNR	MNR	MNR	MNR	2,46E-01	MNR	MNR	1,82E-05	9,32E-06	0,00E+00	-2,67E-03

ENVIRONMENTAL IMPACTS – EN 15804+A1, CML / ISO 21930

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Global Warming Pot.	kg CO ₂ e	2,58E+02	2,71E+00	2,31E+00	2,63E+02	2,71E+00	1,71E-01	MNR	MNR	MNR	MNR	MNR	1,57E+03	MNR	MNR	1,79E-01	8,97E-01	1,42E+00	-1,22E+02
Ozone depletion Pot.	kg CFC ₁₁ e	8,90E-06	4,98E-07	1,74E-07	9,58E-06	4,98E-07	5,90E-09	MNR	MNR	MNR	MNR	MNR	6,98E-05	MNR	MNR	3,29E-08	1,66E-08	1,44E-08	-2,85E-06
Acidification	kg SO ₂ e	1,57E+00	9,04E-03	7,95E-03	1,59E+00	9,00E-03	3,94E-04	MNR	MNR	MNR	MNR	MNR	7,68E+00	MNR	MNR	5,95E-04	1,70E-03	6,58E-04	-1,07E+00
Eutrophication	kg PO ₄ ³ e	4,39E-01	2,05E-03	5,49E-03	4,47E-01	2,05E-03	2,95E-04	MNR	MNR	MNR	MNR	MNR	5,91E+00	MNR	MNR	1,35E-04	5,81E-04	4,09E-03	-3,01E-01
POCP ("smog")	kg C ₂ H ₄ e	9,19E-02	3,52E-04	6,71E-04	9,29E-02	3,51E-04	1,21E-05	MNR	MNR	MNR	MNR	MNR	3,14E-01	MNR	MNR	2,32E-05	6,28E-05	1,62E-04	-5,31E-02
ADP-elements	kg Sbe	3,49E-03	6,21E-06	1,09E-05	3,51E-03	6,21E-06	1,74E-07	MNR	MNR	MNR	MNR	MNR	1,48E-02	MNR	MNR	4,10E-07	1,91E-05	3,28E-07	-4,53E-04
ADP-fossil	MJ	2,62E+03	4,11E+01	3,16E+01	2,69E+03	4,11E+01	5,34E-01	MNR	MNR	MNR	MNR	MNR	3,37E+04	MNR	MNR	2,72E+00	2,25E+00	1,76E+00	-1,21E+03

APPENDIX (EPD HUB ALIGNED)

This section represents the scaling method for the **B6 module**, following the PEP EcoPassport PSR for luminaries (PSR-0014-ed2.0-EN-2023 07 13). The GWP results were scaled from a reference variant of a product family, based on various light management scenarios and power inputs of the luminaires within the same product family

To calculate the Scaled Impact (*SI*), we have followed the below methods:

1. Calculate the power scaling factor (PSF), which is the ratio of the power input of the variant in questions P_{in} and the power input of the base variant P_{base} .

$$PSF = \frac{P_{in}}{P_{base}}$$

2. Calculate the Total Scaling factor by multiplying the PSF by the control scaling factor (CSF), where the CSF is determined according the relevant control factor scenario (e.g. if the luminaire has a presence detection system). The presented controls factors values in Table A1 are based on BS EN 15193-1:2017. Please refer to this publication or contact Signify directly for more information.

$$TSF = PSF * CSF$$

Table A1: Light management function (PEP EcoPassport aligned)

Scenario	Abbrev.	CSF
No control	NC	1
Daylight dependency factor	DD	0.75
Presence sensing	PS	0.75
Daylight dependency and presence sensing	DD+PS	0.55

3. Lastly, the GWP of the base variant is then scaled by the TSF.

$$\text{Scaled Impact} = \text{GWP}_{\text{case}} * \text{TSF}$$

Table A2 Scaled GWP per scaling factor (EPD Hub aligned)

Configuration	Flux [lm]	Power [W]	Efficacy [lm/W]	PSF	Total Scaling Factor (TSF)				Scaled Impacts (GWP100 B6 - kg CO2eq.)			
					NC	DD	PS	DD+PS	NC	DD	PS	DD+PS
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/722	1653	17,4	95,0	0,434	0,434	0,325	0,325	0,239	689,9	517,4	517,4	379,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/722	1914	20,5	93,4	0,511	0,511	0,383	0,383	0,281	812,8	609,6	609,6	447,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/722	2175	21,5	101,2	0,536	0,536	0,402	0,402	0,295	852,5	639,4	639,4	468,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/722	2610	26,2	99,6	0,653	0,653	0,490	0,490	0,359	1038,9	779,1	779,1	571,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/722	3010	30,9	97,4	0,771	0,771	0,578	0,578	0,424	1225,2	918,9	918,9	673,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/722	3440	35,7	96,4	0,890	0,890	0,668	0,668	0,490	1415,5	1061,7	1061,7	778,5

BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/722	4300	42,8	100,5	1,067	1,067	0,800	0,800	0,587	1697,1	1272,8	1272,8	933,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED60-4S/722	5100	52	98,1	1,297	1,297	0,973	0,973	0,713	2061,8	1546,4	1546,4	1134,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/722	5950	61,7	96,4	1,539	1,539	1,154	1,154	0,846	2446,5	1834,8	1834,8	1345,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/722	6720	67,3	99,9	1,678	1,678	1,259	1,259	0,923	2668,5	2001,4	2001,4	1467,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/722	7560	77	98,2	1,920	1,920	1,440	1,440	1,056	3053,1	2289,8	2289,8	1679,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/727	1653	14	118,1	0,349	0,349	0,262	0,262	0,192	555,1	416,3	416,3	305,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/727	1914	16,3	117,4	0,406	0,406	0,305	0,305	0,224	646,3	484,7	484,7	355,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/727	2175	18,7	116,3	0,466	0,466	0,350	0,350	0,256	741,5	556,1	556,1	407,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/727	2610	20,3	128,6	0,506	0,506	0,380	0,380	0,278	804,9	603,7	603,7	442,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/727	3045	24,3	125,3	0,606	0,606	0,454	0,454	0,333	963,5	722,6	722,6	529,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/727	3480	28,3	123,0	0,706	0,706	0,529	0,529	0,388	1122,1	841,6	841,6	617,2

BGP530, BRP530, BPP530, BSP530, BVP530 LED45-4S/727	3915	32,3	121,2	0,805	0,805	0,604	0,604	0,443	1280,7	960,5	960,5	704,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED55-4S/727	4785	40,1	119,3	1,000	1,000	0,750	0,750	0,550	1590,0	1192,5	1192,5	874,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED65-4S/727	5655	45,2	125,1	1,127	1,127	0,845	0,845	0,620	1792,2	1344,2	1344,2	985,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED75-4S/727	6525	53	123,1	1,322	1,322	0,991	0,991	0,727	2101,5	1576,1	1576,1	1155,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED85-4S/727	7395	60,7	121,8	1,514	1,514	1,135	1,135	0,833	2406,8	1805,1	1805,1	1323,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/727	8265	64,8	127,5	1,616	1,616	1,212	1,212	0,889	2569,4	1927,0	1927,0	1413,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/727	9030	72,5	124,6	1,808	1,808	1,356	1,356	0,994	2874,7	2156,0	2156,0	1581,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/727	9890	80,3	123,2	2,002	2,002	1,502	1,502	1,101	3184,0	2388,0	2388,0	1751,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/727	10320	84,2	122,6	2,100	2,100	1,575	1,575	1,155	3338,6	2504,0	2504,0	1836,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/730	1653	12,3	134,4	0,307	0,307	0,230	0,230	0,169	487,7	365,8	365,8	268,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/730	1914	14,3	133,8	0,357	0,357	0,267	0,267	0,196	567,0	425,3	425,3	311,9

BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/730	2175	16,2	134,3	0,404	0,404	0,303	0,303	0,222	642,3	481,8	481,8	353,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/730	2610	19,5	133,8	0,486	0,486	0,365	0,365	0,267	773,2	579,9	579,9	425,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/730	3045	21,5	141,6	0,536	0,536	0,402	0,402	0,295	852,5	639,4	639,4	468,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/730	3440	24,7	139,3	0,616	0,616	0,462	0,462	0,339	979,4	734,5	734,5	538,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED45-4S/730	3870	27,9	138,7	0,696	0,696	0,522	0,522	0,383	1106,3	829,7	829,7	608,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED55-4S/730	4730	34,4	137,5	0,858	0,858	0,643	0,643	0,472	1364,0	1023,0	1023,0	750,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED65-4S/730	5525	39,4	140,2	0,983	0,983	0,737	0,737	0,540	1562,2	1171,7	1171,7	859,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED75-4S/730	6375	45,3	140,7	1,130	1,130	0,847	0,847	0,621	1796,2	1347,1	1347,1	987,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED85-4S/730	7140	51,7	138,1	1,289	1,289	0,967	0,967	0,709	2050,0	1537,5	1537,5	1127,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/730	7980	55,2	144,6	1,377	1,377	1,032	1,032	0,757	2188,7	1641,5	1641,5	1203,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED100-4S/730	8400	58,4	143,8	1,456	1,456	1,092	1,092	0,801	2315,6	1736,7	1736,7	1273,6

BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/730	8820	61,6	143,2	1,536	1,536	1,152	1,152	0,845	2442,5	1831,9	1831,9	1343,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/730	9660	68	142,1	1,696	1,696	1,272	1,272	0,933	2696,3	2022,2	2022,2	1482,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/730	9960	71,3	139,7	1,778	1,778	1,334	1,334	0,978	2827,1	2120,3	2120,3	1554,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED125-4S/730	10375	74,6	139,1	1,860	1,860	1,395	1,395	1,023	2958,0	2218,5	2218,5	1626,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED130-4S/730	10790	77,9	138,5	1,943	1,943	1,457	1,457	1,068	3088,8	2316,6	2316,6	1698,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/740	1653	12	137,8	0,299	0,299	0,224	0,224	0,165	475,8	356,9	356,9	261,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/740	1914	13,6	140,7	0,339	0,339	0,254	0,254	0,187	539,3	404,4	404,4	296,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/740	2175	15,5	140,3	0,387	0,387	0,290	0,290	0,213	614,6	460,9	460,9	338,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/740	2610	18,6	140,3	0,464	0,464	0,348	0,348	0,255	737,5	553,1	553,1	405,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/740	3045	20,5	148,5	0,511	0,511	0,383	0,383	0,281	812,8	609,6	609,6	447,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/740	3440	23,6	145,8	0,589	0,589	0,441	0,441	0,324	935,8	701,8	701,8	514,7

BGP530, BRP530, BPP530, BSP530, BVP530 LED45-4S/740	3870	26,7	144,9	0,666	0,666	0,499	0,499	0,366	1058,7	794,0	794,0	582,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED55-4S/740	4730	32,9	143,8	0,820	0,820	0,615	0,615	0,451	1304,5	978,4	978,4	717,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED65-4S/740	5525	39,1	141,3	0,975	0,975	0,731	0,731	0,536	1550,3	1162,8	1162,8	852,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED75-4S/740	6375	43,5	146,6	1,085	1,085	0,814	0,814	0,597	1724,8	1293,6	1293,6	948,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED85-4S/740	7225	49,4	146,3	1,232	1,232	0,924	0,924	0,678	1958,8	1469,1	1469,1	1077,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/740	7980	55,7	143,3	1,389	1,389	1,042	1,042	0,764	2208,6	1656,4	1656,4	1214,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/740	8820	58,8	150,0	1,466	1,466	1,100	1,100	0,806	2331,5	1748,6	1748,6	1282,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/740	9660	64,9	148,8	1,618	1,618	1,214	1,214	0,890	2573,3	1930,0	1930,0	1415,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/740	10080	68	148,2	1,696	1,696	1,272	1,272	0,933	2696,3	2022,2	2022,2	1482,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED125-4S/740	10500	71,1	147,7	1,773	1,773	1,330	1,330	0,975	2819,2	2114,4	2114,4	1550,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED130-4S/740	10920	74,3	147,0	1,853	1,853	1,390	1,390	1,019	2946,1	2209,5	2209,5	1620,3

BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/827	1653	16,5	100,2	0,411	0,411	0,309	0,309	0,226	654,2	490,7	490,7	359,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/827	1914	19,3	99,2	0,481	0,481	0,361	0,361	0,265	765,3	573,9	573,9	420,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/827	2175	19,7	110,4	0,491	0,491	0,368	0,368	0,270	781,1	585,8	585,8	429,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/827	2610	24,4	107,0	0,608	0,608	0,456	0,456	0,335	967,5	725,6	725,6	532,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/827	3010	29,1	103,4	0,726	0,726	0,544	0,544	0,399	1153,8	865,4	865,4	634,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/827	3440	33,8	101,8	0,843	0,843	0,632	0,632	0,464	1340,2	1005,1	1005,1	737,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/827	4300	40,5	106,2	1,010	1,010	0,757	0,757	0,555	1605,9	1204,4	1204,4	883,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED60-4S/827	5100	49,2	103,7	1,227	1,227	0,920	0,920	0,675	1950,8	1463,1	1463,1	1073,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/827	5880	58,4	100,7	1,456	1,456	1,092	1,092	0,801	2315,6	1736,7	1736,7	1273,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/827	6720	63,7	105,5	1,589	1,589	1,191	1,191	0,874	2525,8	1894,3	1894,3	1389,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/827	7470	72,8	102,6	1,815	1,815	1,362	1,362	0,999	2886,6	2164,9	2164,9	1587,6

BGP530, BRP530, BPP530, BSP530, BVP530 LED100-4S/827	8300	81,9	101,3	2,042	2,042	1,532	1,532	1,123	3247,4	2435,6	2435,6	1786,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/827	8715	86,5	100,8	2,157	2,157	1,618	1,618	1,186	3429,8	2572,4	2572,4	1886,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/830	1653	13,5	122,4	0,337	0,337	0,252	0,252	0,185	535,3	401,5	401,5	294,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/830	1914	15,7	121,9	0,392	0,392	0,294	0,294	0,215	622,5	466,9	466,9	342,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/830	2175	17,8	122,2	0,444	0,444	0,333	0,333	0,244	705,8	529,3	529,3	388,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/830	2610	20,1	129,9	0,501	0,501	0,376	0,376	0,276	797,0	597,7	597,7	438,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/830	3010	23,7	127,0	0,591	0,591	0,443	0,443	0,325	939,7	704,8	704,8	516,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/830	3440	27,3	126,0	0,681	0,681	0,511	0,511	0,374	1082,5	811,9	811,9	595,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/830	4250	34,6	122,8	0,863	0,863	0,647	0,647	0,475	1371,9	1028,9	1028,9	754,6
BPP530 LED60-4S/830 II DM50 D9 AL GR	5100	40,1	127,2	1,000	1,000	0,750	0,750	0,550	1590,0	1192,5	1192,5	874,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/830	5880	46,8	125,6	1,167	1,167	0,875	0,875	0,642	1855,7	1391,7	1391,7	1020,6

BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/830	6720	54,1	124,2	1,349	1,349	1,012	1,012	0,742	2145,1	1608,8	1608,8	1179,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/830	7470	61,5	121,5	1,534	1,534	1,150	1,150	0,844	2438,5	1828,9	1828,9	1341,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/830	7470	58	128,8	1,446	1,446	1,085	1,085	0,796	2299,8	1724,8	1724,8	1264,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/830	7885	61,6	128,0	1,536	1,536	1,152	1,152	0,845	2442,5	1831,9	1831,9	1343,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED100-4S/830	8300	65,2	127,3	1,626	1,626	1,219	1,219	0,894	2585,2	1938,9	1938,9	1421,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/830	8715	68,8	126,7	1,716	1,716	1,287	1,287	0,944	2728,0	2046,0	2046,0	1500,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/830	9545	76,2	125,3	1,900	1,900	1,425	1,425	1,045	3021,4	2266,0	2266,0	1661,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/830	9840	80	123,0	1,995	1,995	1,496	1,496	1,097	3172,1	2379,1	2379,1	1744,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED125-4S/830	10250	83,8	122,3	2,090	2,090	1,567	1,567	1,149	3322,7	2492,1	2492,1	1827,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/840	1653	12,7	130,2	0,317	0,317	0,238	0,238	0,174	503,6	377,7	377,7	277,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/840	1914	14,9	128,5	0,372	0,372	0,279	0,279	0,204	590,8	443,1	443,1	324,9

BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/840	2175	17	127,9	0,424	0,424	0,318	0,318	0,233	674,1	505,5	505,5	370,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/840	2610	18,4	141,8	0,459	0,459	0,344	0,344	0,252	729,6	547,2	547,2	401,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/840	3045	22	138,4	0,549	0,549	0,411	0,411	0,302	872,3	654,2	654,2	479,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/840	3480	25,7	135,4	0,641	0,641	0,481	0,481	0,352	1019,0	764,3	764,3	560,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/840	4300	32,9	130,7	0,820	0,820	0,615	0,615	0,451	1304,5	978,4	978,4	717,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED60-4S/840	5160	37,9	136,1	0,945	0,945	0,709	0,709	0,520	1502,8	1127,1	1127,1	826,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/840	6020	44,5	135,3	1,110	1,110	0,832	0,832	0,610	1764,5	1323,3	1323,3	970,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/840	6880	51,5	133,6	1,284	1,284	0,963	0,963	0,706	2042,0	1531,5	1531,5	1123,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/840	7650	54,9	139,3	1,369	1,369	1,027	1,027	0,753	2176,8	1632,6	1632,6	1197,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED100-4S/840	8500	61,9	137,3	1,544	1,544	1,158	1,158	0,849	2454,4	1840,8	1840,8	1349,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/840	8925	65,5	136,3	1,633	1,633	1,225	1,225	0,898	2597,1	1947,8	1947,8	1428,4

BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/840	9775	72,6	134,6	1,810	1,810	1,358	1,358	0,996	2878,7	2159,0	2159,0	1583,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/840	10200	76,2	133,9	1,900	1,900	1,425	1,425	1,045	3021,4	2266,0	2266,0	1661,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED125-4S/840	10500	79,8	131,6	1,990	1,990	1,493	1,493	1,095	3164,1	2373,1	2373,1	1740,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED130-4S/840	10920	83,4	130,9	2,080	2,080	1,560	1,560	1,144	3306,9	2480,2	2480,2	1818,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/722	1577	17,4	90,6	0,434	0,434	0,325	0,325	0,239	689,9	517,4	517,4	379,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/722	1826	20,5	89,1	0,511	0,511	0,383	0,383	0,281	812,8	609,6	609,6	447,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/722	2075	21,5	96,5	0,536	0,536	0,402	0,402	0,295	852,5	639,4	639,4	468,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/722	2490	26,2	95,0	0,653	0,653	0,490	0,490	0,359	1038,9	779,1	779,1	571,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/722	2870	30,9	92,9	0,771	0,771	0,578	0,578	0,424	1225,2	918,9	918,9	673,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/722	3280	35,7	91,9	0,890	0,890	0,668	0,668	0,490	1415,5	1061,7	1061,7	778,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/722	4100	42,8	95,8	1,067	1,067	0,800	0,800	0,587	1697,1	1272,8	1272,8	933,4

BGP530, BRP530, BPP530, BSP530, BVP530 LED60-4S/722	4860	52	93,5	1,297	1,297	0,973	0,973	0,713	2061,8	1546,4	1546,4	1134,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/722	5670	61,7	91,9	1,539	1,539	1,154	1,154	0,846	2446,5	1834,8	1834,8	1345,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/722	6480	67,3	96,3	1,678	1,678	1,259	1,259	0,923	2668,5	2001,4	2001,4	1467,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/722	7291	77	94,7	1,920	1,920	1,440	1,440	1,056	3053,1	2289,8	2289,8	1679,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/722	7696	82	93,9	2,045	2,045	1,534	1,534	1,125	3251,4	2438,5	2438,5	1788,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/727	1577	14	112,6	0,349	0,349	0,262	0,262	0,192	555,1	416,3	416,3	305,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/727	1826	16,3	112,0	0,406	0,406	0,305	0,305	0,224	646,3	484,7	484,7	355,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/727	2075	18,7	111,0	0,466	0,466	0,350	0,350	0,256	741,5	556,1	556,1	407,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/727	2490	20,3	122,7	0,506	0,506	0,380	0,380	0,278	804,9	603,7	603,7	442,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/727	2905	24,3	119,5	0,606	0,606	0,454	0,454	0,333	963,5	722,6	722,6	529,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/727	3320	28,3	117,3	0,706	0,706	0,529	0,529	0,388	1122,1	841,6	841,6	617,2

BGP530, BRP530, BPP530, BSP530, BVP530 LED45-4S/727	3735	32,3	115,6	0,805	0,805	0,604	0,604	0,443	1280,7	960,5	960,5	704,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED55-4S/727	4565	40,1	113,8	1,000	1,000	0,750	0,750	0,550	1590,0	1192,5	1192,5	874,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED65-4S/727	5395	45,2	119,4	1,127	1,127	0,845	0,845	0,620	1792,2	1344,2	1344,2	985,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED75-4S/727	6225	53	117,5	1,322	1,322	0,991	0,991	0,727	2101,5	1576,1	1576,1	1155,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED85-4S/727	7055	60,7	116,2	1,514	1,514	1,135	1,135	0,833	2406,8	1805,1	1805,1	1323,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/727	7885	64,8	121,7	1,616	1,616	1,212	1,212	0,889	2569,4	1927,0	1927,0	1413,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/727	8610	72,5	118,8	1,808	1,808	1,356	1,356	0,994	2874,7	2156,0	2156,0	1581,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/727	9430	80,3	117,4	2,002	2,002	1,502	1,502	1,101	3184,0	2388,0	2388,0	1751,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/727	9840	84,2	116,9	2,100	2,100	1,575	1,575	1,155	3338,6	2504,0	2504,0	1836,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/730	1577	12,3	128,2	0,307	0,307	0,230	0,230	0,169	487,7	365,8	365,8	268,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/730	1826	14,3	127,7	0,357	0,357	0,267	0,267	0,196	567,0	425,3	425,3	311,9

BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/730	2075	16,2	128,1	0,404	0,404	0,303	0,303	0,222	642,3	481,8	481,8	353,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/730	2490	19,5	127,7	0,486	0,486	0,365	0,365	0,267	773,2	579,9	579,9	425,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/730	2905	21,5	135,1	0,536	0,536	0,402	0,402	0,295	852,5	639,4	639,4	468,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/730	3280	24,7	132,8	0,616	0,616	0,462	0,462	0,339	979,4	734,5	734,5	538,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED45-4S/730	3690	27,9	132,3	0,696	0,696	0,522	0,522	0,383	1106,3	829,7	829,7	608,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED55-4S/730	4510	34,4	131,1	0,858	0,858	0,643	0,643	0,472	1364,0	1023,0	1023,0	750,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED65-4S/730	5265	39,4	133,6	0,983	0,983	0,737	0,737	0,540	1562,2	1171,7	1171,7	859,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED75-4S/730	6075	45,3	134,1	1,130	1,130	0,847	0,847	0,621	1796,2	1347,1	1347,1	987,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED85-4S/730	6885	51,7	133,2	1,289	1,289	0,967	0,967	0,709	2050,0	1537,5	1537,5	1127,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/730	7696	55,2	139,4	1,377	1,377	1,032	1,032	0,757	2188,7	1641,5	1641,5	1203,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/730	8505	61,6	138,1	1,536	1,536	1,152	1,152	0,845	2442,5	1831,9	1831,9	1343,4

BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/730	9315	68	137,0	1,696	1,696	1,272	1,272	0,933	2696,3	2022,2	2022,2	1482,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/730	9600	71,3	134,6	1,778	1,778	1,334	1,334	0,978	2827,1	2120,3	2120,3	1554,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED125-4S/730	10000	74,6	134,0	1,860	1,860	1,395	1,395	1,023	2958,0	2218,5	2218,5	1626,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED130-4S/730	10400	77,9	133,5	1,943	1,943	1,457	1,457	1,068	3088,8	2316,6	2316,6	1698,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/740	1577	12	131,4	0,299	0,299	0,224	0,224	0,165	475,8	356,9	356,9	261,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/740	1826	13,6	134,3	0,339	0,339	0,254	0,254	0,187	539,3	404,4	404,4	296,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/740	2075	15,5	133,9	0,387	0,387	0,290	0,290	0,213	614,6	460,9	460,9	338,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/740	2490	18,6	133,9	0,464	0,464	0,348	0,348	0,255	737,5	553,1	553,1	405,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/740	2905	20,5	141,7	0,511	0,511	0,383	0,383	0,281	812,8	609,6	609,6	447,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/740	3280	23,6	139,0	0,589	0,589	0,441	0,441	0,324	935,8	701,8	701,8	514,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED45-4S/740	3690	26,7	138,2	0,666	0,666	0,499	0,499	0,366	1058,7	794,0	794,0	582,3

BGP530, BRP530, BPP530, BSP530, BVP530 LED55-4S/740	4510	32,9	137,1	0,820	0,820	0,615	0,615	0,451	1304,5	978,4	978,4	717,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED65-4S/740	5265	39,1	134,7	0,975	0,975	0,731	0,731	0,536	1550,3	1162,8	1162,8	852,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED75-4S/740	6075	43,5	139,7	1,085	1,085	0,814	0,814	0,597	1724,8	1293,6	1293,6	948,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED85-4S/740	6885	49,4	139,4	1,232	1,232	0,924	0,924	0,678	1958,8	1469,1	1469,1	1077,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/740	7696	55,7	138,2	1,389	1,389	1,042	1,042	0,764	2208,6	1656,4	1656,4	1214,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/740	8505	58,8	144,6	1,466	1,466	1,100	1,100	0,806	2331,5	1748,6	1748,6	1282,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/740	9315	64,9	143,5	1,618	1,618	1,214	1,214	0,890	2573,3	1930,0	1930,0	1415,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/740	9720	68	142,9	1,696	1,696	1,272	1,272	0,933	2696,3	2022,2	2022,2	1482,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED125-4S/740	10125	71,1	142,4	1,773	1,773	1,330	1,330	0,975	2819,2	2114,4	2114,4	1550,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED130-4S/740	10530	74,3	141,7	1,853	1,853	1,390	1,390	1,019	2946,1	2209,5	2209,5	1620,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/827	1577	16,5	95,6	0,411	0,411	0,309	0,309	0,226	654,2	490,7	490,7	359,8

BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/827	1826	19,3	94,6	0,481	0,481	0,361	0,361	0,265	765,3	573,9	573,9	420,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/827	2075	19,7	105,3	0,491	0,491	0,368	0,368	0,270	781,1	585,8	585,8	429,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/827	2490	24,4	102,0	0,608	0,608	0,456	0,456	0,335	967,5	725,6	725,6	532,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/827	2870	29,1	98,6	0,726	0,726	0,544	0,544	0,399	1153,8	865,4	865,4	634,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/827	3280	33,8	97,0	0,843	0,843	0,632	0,632	0,464	1340,2	1005,1	1005,1	737,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/827	4100	40,5	101,2	1,010	1,010	0,757	0,757	0,555	1605,9	1204,4	1204,4	883,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED60-4S/827	4860	49,2	98,8	1,227	1,227	0,920	0,920	0,675	1950,8	1463,1	1463,1	1073,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/827	5670	58,4	97,1	1,456	1,456	1,092	1,092	0,801	2315,6	1736,7	1736,7	1273,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/827	6480	63,7	101,7	1,589	1,589	1,191	1,191	0,874	2525,8	1894,3	1894,3	1389,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/827	7200	72,8	98,9	1,815	1,815	1,362	1,362	0,999	2886,6	2164,9	2164,9	1587,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED100-4S/827	8000	81,9	97,7	2,042	2,042	1,532	1,532	1,123	3247,4	2435,6	2435,6	1786,1

BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/830	1577	13,5	116,8	0,337	0,337	0,252	0,252	0,185	535,3	401,5	401,5	294,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/830	1826	15,7	116,3	0,392	0,392	0,294	0,294	0,215	622,5	466,9	466,9	342,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/830	2075	17,8	116,6	0,444	0,444	0,333	0,333	0,244	705,8	529,3	529,3	388,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/830	2490	20,1	123,9	0,501	0,501	0,376	0,376	0,276	797,0	597,7	597,7	438,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/830	2870	23,7	121,1	0,591	0,591	0,443	0,443	0,325	939,7	704,8	704,8	516,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/830	3280	27,3	120,1	0,681	0,681	0,511	0,511	0,374	1082,5	811,9	811,9	595,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/830	4051	34,6	117,1	0,863	0,863	0,647	0,647	0,475	1371,9	1028,9	1028,9	754,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED60-4S/830	4860	40,1	121,2	1,000	1,000	0,750	0,750	0,550	1590,0	1192,5	1192,5	874,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/830	5670	46,8	121,2	1,167	1,167	0,875	0,875	0,642	1855,7	1391,7	1391,7	1020,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/830	6480	54,1	119,8	1,349	1,349	1,012	1,012	0,742	2145,1	1608,8	1608,8	1179,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/830	7200	58	124,1	1,446	1,446	1,085	1,085	0,796	2299,8	1724,8	1724,8	1264,9

BGP530, BRP530, BPP530, BSP530, BVP530 LED100-4S/830	8000	65,2	122,7	1,626	1,626	1,219	1,219	0,894	2585,2	1938,9	1938,9	1421,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/830	9480	80	118,5	1,995	1,995	1,496	1,496	1,097	3172,1	2379,1	2379,1	1744,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/840	1577	12,7	124,2	0,317	0,317	0,238	0,238	0,174	503,6	377,7	377,7	277,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/840	1826	14,9	122,6	0,372	0,372	0,279	0,279	0,204	590,8	443,1	443,1	324,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/840	2075	17	122,1	0,424	0,424	0,318	0,318	0,233	674,1	505,5	505,5	370,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/840	2490	18,4	135,3	0,459	0,459	0,344	0,344	0,252	729,6	547,2	547,2	401,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/840	2905	22	132,0	0,549	0,549	0,411	0,411	0,302	872,3	654,2	654,2	479,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/840	3320	25,7	129,2	0,641	0,641	0,481	0,481	0,352	1019,0	764,3	764,3	560,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/840	4100	32,9	124,6	0,820	0,820	0,615	0,615	0,451	1304,5	978,4	978,4	717,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED60-4S/840	4920	37,9	129,8	0,945	0,945	0,709	0,709	0,520	1502,8	1127,1	1127,1	826,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/840	5740	44,5	129,0	1,110	1,110	0,832	0,832	0,610	1764,5	1323,3	1323,3	970,5

BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/840	6560	51,5	127,4	1,284	1,284	0,963	0,963	0,706	2042,0	1531,5	1531,5	1123,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/840	7291	54,9	132,8	1,369	1,369	1,027	1,027	0,753	2176,8	1632,6	1632,6	1197,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED100-4S/840	8101	61,9	130,9	1,544	1,544	1,158	1,158	0,849	2454,4	1840,8	1840,8	1349,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/840	9720	76,2	127,6	1,900	1,900	1,425	1,425	1,045	3021,4	2266,0	2266,0	1661,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED130-4S/840	10530	83,4	126,3	2,080	2,080	1,560	1,560	1,144	3306,9	2480,2	2480,2	1818,8

* Note that if the product is non-dimmable, only the values for "NC (No Control)" are valid; if the driver type is PSU, only the values for "NC (No Control)" and "PS (presence sensing)" for are valid.

APPENDIX (PEP ECOPASSPORT ALIGNED)

This section represents the scaling method for the **B6 module**, following the PEP EcoPassport PSR for luminaries (PSR-0014-ed2.0-EN-2023 07 13). The GWP results were scaled from the product Functional Unit to the PEP EcoPassport Functional Unit, based on the lumen output (O_{lum}) and reference service life (RSL) of the product.

To calculate the Scaled Impact (SI_{pep}), we have followed the below methods:

1. Calculate the GWP scaling factor (GSF), which is the ratio of the the PEP EcoPassport Functional Unit (FU_{pep}) and product Functional Unit (FU_p).

$$GSF = \frac{FU_{pep}}{FU_p} = \frac{1,000}{O_{lum}} * \frac{35,000}{RSL}$$

2. Calculate the Total Scaling factor by multiplying the GSF by the control scaling factor (CSF), where the CSF is determined according the relevant light management functions (e.g. if the luminaire has a presence detection system), as presented in Table A1.

$$TSF = GSF * CSF$$

Table A1: Light management function (PEP EcoPassport aligned)

Scenario	Abbrev.	CSF
No control	NC	1
Daylight dependency factor	DD	0.75
Presence sensing	PS	0.75
Daylight dependency and presence sensing	DD+PS	0.55

3. Using this GWP scaling factor, we calculate the Scaled Impact (SI) and results are shown in Table A2.

$$SI_{PEP} = GWP_{base} * TSF$$

As described in the EPD, calculations are made based on dataset describing electricity available on the low voltage level in Europe for year 2022 (source Ecoinvent 3.8 database). This value should be adjusted depending on specific project requirements. Please refer to this publication or contact Signify directly for more information.

Table A2 Scaled GWP per scaling factor (PEP EcoPassport aligned)

Configuration	Flux [lm]	Power [W]	Efficacy [lm/W]	PSF	Total Scaling Factor (TSF)				Scaled Impacts (GWP100 B6 - kg CO2eq.)			
					NC	DD	PS	DD+PS	NC	DD	PS	DD+PS
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/722	1653	17,4	95,0	0,434	0,434	0,325	0,325	0,239	689,9	517,4	517,4	379,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/722	1914	20,5	93,4	0,511	0,511	0,383	0,383	0,281	812,8	609,6	609,6	447,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/722	2175	21,5	101,2	0,536	0,536	0,402	0,402	0,295	852,5	639,4	639,4	468,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/722	2610	26,2	99,6	0,653	0,653	0,490	0,490	0,359	1038,9	779,1	779,1	571,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/722	3010	30,9	97,4	0,771	0,771	0,578	0,578	0,424	1225,2	918,9	918,9	673,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/722	3440	35,7	96,4	0,890	0,890	0,668	0,668	0,490	1415,5	1061,7	1061,7	778,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/722	4300	42,8	100,5	1,067	1,067	0,800	0,800	0,587	1697,1	1272,8	1272,8	933,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED60-4S/722	5100	52	98,1	1,297	1,297	0,973	0,973	0,713	2061,8	1546,4	1546,4	1134,0

BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/722	5950	61,7	96,4	1,539	1,539	1,154	1,154	0,846	2446,5	1834,8	1834,8	1345,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/722	6720	67,3	99,9	1,678	1,678	1,259	1,259	0,923	2668,5	2001,4	2001,4	1467,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/722	7560	77	98,2	1,920	1,920	1,440	1,440	1,056	3053,1	2289,8	2289,8	1679,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/727	1653	14	118,1	0,349	0,349	0,262	0,262	0,192	555,1	416,3	416,3	305,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/727	1914	16,3	117,4	0,406	0,406	0,305	0,305	0,224	646,3	484,7	484,7	355,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/727	2175	18,7	116,3	0,466	0,466	0,350	0,350	0,256	741,5	556,1	556,1	407,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/727	2610	20,3	128,6	0,506	0,506	0,380	0,380	0,278	804,9	603,7	603,7	442,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/727	3045	24,3	125,3	0,606	0,606	0,454	0,454	0,333	963,5	722,6	722,6	529,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/727	3480	28,3	123,0	0,706	0,706	0,529	0,529	0,388	1122,1	841,6	841,6	617,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED45-4S/727	3915	32,3	121,2	0,805	0,805	0,604	0,604	0,443	1280,7	960,5	960,5	704,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED55-4S/727	4785	40,1	119,3	1,000	1,000	0,750	0,750	0,550	1590,0	1192,5	1192,5	874,5

BGP530, BRP530, BPP530, BSP530, BVP530 LED65-4S/727	5655	45,2	125,1	1,127	1,127	0,845	0,845	0,620	1792,2	1344,2	1344,2	985,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED75-4S/727	6525	53	123,1	1,322	1,322	0,991	0,991	0,727	2101,5	1576,1	1576,1	1155,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED85-4S/727	7395	60,7	121,8	1,514	1,514	1,135	1,135	0,833	2406,8	1805,1	1805,1	1323,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/727	8265	64,8	127,5	1,616	1,616	1,212	1,212	0,889	2569,4	1927,0	1927,0	1413,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/727	9030	72,5	124,6	1,808	1,808	1,356	1,356	0,994	2874,7	2156,0	2156,0	1581,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/727	9890	80,3	123,2	2,002	2,002	1,502	1,502	1,101	3184,0	2388,0	2388,0	1751,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/727	10320	84,2	122,6	2,100	2,100	1,575	1,575	1,155	3338,6	2504,0	2504,0	1836,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/730	1653	12,3	134,4	0,307	0,307	0,230	0,230	0,169	487,7	365,8	365,8	268,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/730	1914	14,3	133,8	0,357	0,357	0,267	0,267	0,196	567,0	425,3	425,3	311,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/730	2175	16,2	134,3	0,404	0,404	0,303	0,303	0,222	642,3	481,8	481,8	353,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/730	2610	19,5	133,8	0,486	0,486	0,365	0,365	0,267	773,2	579,9	579,9	425,3

BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/730	3045	21,5	141,6	0,536	0,536	0,402	0,402	0,295	852,5	639,4	639,4	468,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/730	3440	24,7	139,3	0,616	0,616	0,462	0,462	0,339	979,4	734,5	734,5	538,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED45-4S/730	3870	27,9	138,7	0,696	0,696	0,522	0,522	0,383	1106,3	829,7	829,7	608,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED55-4S/730	4730	34,4	137,5	0,858	0,858	0,643	0,643	0,472	1364,0	1023,0	1023,0	750,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED65-4S/730	5525	39,4	140,2	0,983	0,983	0,737	0,737	0,540	1562,2	1171,7	1171,7	859,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED75-4S/730	6375	45,3	140,7	1,130	1,130	0,847	0,847	0,621	1796,2	1347,1	1347,1	987,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED85-4S/730	7140	51,7	138,1	1,289	1,289	0,967	0,967	0,709	2050,0	1537,5	1537,5	1127,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/730	7980	55,2	144,6	1,377	1,377	1,032	1,032	0,757	2188,7	1641,5	1641,5	1203,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED100-4S/730	8400	58,4	143,8	1,456	1,456	1,092	1,092	0,801	2315,6	1736,7	1736,7	1273,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/730	8820	61,6	143,2	1,536	1,536	1,152	1,152	0,845	2442,5	1831,9	1831,9	1343,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/730	9660	68	142,1	1,696	1,696	1,272	1,272	0,933	2696,3	2022,2	2022,2	1482,9

BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/730	9960	71,3	139,7	1,778	1,778	1,334	1,334	0,978	2827,1	2120,3	2120,3	1554,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED125-4S/730	10375	74,6	139,1	1,860	1,860	1,395	1,395	1,023	2958,0	2218,5	2218,5	1626,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED130-4S/730	10790	77,9	138,5	1,943	1,943	1,457	1,457	1,068	3088,8	2316,6	2316,6	1698,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/740	1653	12	137,8	0,299	0,299	0,224	0,224	0,165	475,8	356,9	356,9	261,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/740	1914	13,6	140,7	0,339	0,339	0,254	0,254	0,187	539,3	404,4	404,4	296,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/740	2175	15,5	140,3	0,387	0,387	0,290	0,290	0,213	614,6	460,9	460,9	338,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/740	2610	18,6	140,3	0,464	0,464	0,348	0,348	0,255	737,5	553,1	553,1	405,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/740	3045	20,5	148,5	0,511	0,511	0,383	0,383	0,281	812,8	609,6	609,6	447,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/740	3440	23,6	145,8	0,589	0,589	0,441	0,441	0,324	935,8	701,8	701,8	514,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED45-4S/740	3870	26,7	144,9	0,666	0,666	0,499	0,499	0,366	1058,7	794,0	794,0	582,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED55-4S/740	4730	32,9	143,8	0,820	0,820	0,615	0,615	0,451	1304,5	978,4	978,4	717,5

BGP530, BRP530, BPP530, BSP530, BVP530 LED65-4S/740	5525	39,1	141,3	0,975	0,975	0,731	0,731	0,536	1550,3	1162,8	1162,8	852,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED75-4S/740	6375	43,5	146,6	1,085	1,085	0,814	0,814	0,597	1724,8	1293,6	1293,6	948,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED85-4S/740	7225	49,4	146,3	1,232	1,232	0,924	0,924	0,678	1958,8	1469,1	1469,1	1077,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/740	7980	55,7	143,3	1,389	1,389	1,042	1,042	0,764	2208,6	1656,4	1656,4	1214,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/740	8820	58,8	150,0	1,466	1,466	1,100	1,100	0,806	2331,5	1748,6	1748,6	1282,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/740	9660	64,9	148,8	1,618	1,618	1,214	1,214	0,890	2573,3	1930,0	1930,0	1415,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/740	10080	68	148,2	1,696	1,696	1,272	1,272	0,933	2696,3	2022,2	2022,2	1482,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED125-4S/740	10500	71,1	147,7	1,773	1,773	1,330	1,330	0,975	2819,2	2114,4	2114,4	1550,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED130-4S/740	10920	74,3	147,0	1,853	1,853	1,390	1,390	1,019	2946,1	2209,5	2209,5	1620,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/827	1653	16,5	100,2	0,411	0,411	0,309	0,309	0,226	654,2	490,7	490,7	359,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/827	1914	19,3	99,2	0,481	0,481	0,361	0,361	0,265	765,3	573,9	573,9	420,9

BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/827	2175	19,7	110,4	0,491	0,491	0,368	0,368	0,270	781,1	585,8	585,8	429,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/827	2610	24,4	107,0	0,608	0,608	0,456	0,456	0,335	967,5	725,6	725,6	532,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/827	3010	29,1	103,4	0,726	0,726	0,544	0,544	0,399	1153,8	865,4	865,4	634,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/827	3440	33,8	101,8	0,843	0,843	0,632	0,632	0,464	1340,2	1005,1	1005,1	737,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/827	4300	40,5	106,2	1,010	1,010	0,757	0,757	0,555	1605,9	1204,4	1204,4	883,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED60-4S/827	5100	49,2	103,7	1,227	1,227	0,920	0,920	0,675	1950,8	1463,1	1463,1	1073,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/827	5880	58,4	100,7	1,456	1,456	1,092	1,092	0,801	2315,6	1736,7	1736,7	1273,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/827	6720	63,7	105,5	1,589	1,589	1,191	1,191	0,874	2525,8	1894,3	1894,3	1389,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/827	7470	72,8	102,6	1,815	1,815	1,362	1,362	0,999	2886,6	2164,9	2164,9	1587,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED100-4S/827	8300	81,9	101,3	2,042	2,042	1,532	1,532	1,123	3247,4	2435,6	2435,6	1786,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/827	8715	86,5	100,8	2,157	2,157	1,618	1,618	1,186	3429,8	2572,4	2572,4	1886,4

BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/830	1653	13,5	122,4	0,337	0,337	0,252	0,252	0,185	535,3	401,5	401,5	294,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/830	1914	15,7	121,9	0,392	0,392	0,294	0,294	0,215	622,5	466,9	466,9	342,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/830	2175	17,8	122,2	0,444	0,444	0,333	0,333	0,244	705,8	529,3	529,3	388,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/830	2610	20,1	129,9	0,501	0,501	0,376	0,376	0,276	797,0	597,7	597,7	438,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/830	3010	23,7	127,0	0,591	0,591	0,443	0,443	0,325	939,7	704,8	704,8	516,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/830	3440	27,3	126,0	0,681	0,681	0,511	0,511	0,374	1082,5	811,9	811,9	595,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/830	4250	34,6	122,8	0,863	0,863	0,647	0,647	0,475	1371,9	1028,9	1028,9	754,6
BPP530 LED60-4S/830 II DM50 D9 AL GR	5100	40,1	127,2	1,000	1,000	0,750	0,750	0,550	1590,0	1192,5	1192,5	874,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/830	5880	46,8	125,6	1,167	1,167	0,875	0,875	0,642	1855,7	1391,7	1391,7	1020,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/830	6720	54,1	124,2	1,349	1,349	1,012	1,012	0,742	2145,1	1608,8	1608,8	1179,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/830	7470	61,5	121,5	1,534	1,534	1,150	1,150	0,844	2438,5	1828,9	1828,9	1341,2

BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/830	7470	58	128,8	1,446	1,446	1,085	1,085	0,796	2299,8	1724,8	1724,8	1264,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/830	7885	61,6	128,0	1,536	1,536	1,152	1,152	0,845	2442,5	1831,9	1831,9	1343,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED100-4S/830	8300	65,2	127,3	1,626	1,626	1,219	1,219	0,894	2585,2	1938,9	1938,9	1421,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/830	8715	68,8	126,7	1,716	1,716	1,287	1,287	0,944	2728,0	2046,0	2046,0	1500,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/830	9545	76,2	125,3	1,900	1,900	1,425	1,425	1,045	3021,4	2266,0	2266,0	1661,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/830	9840	80	123,0	1,995	1,995	1,496	1,496	1,097	3172,1	2379,1	2379,1	1744,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED125-4S/830	10250	83,8	122,3	2,090	2,090	1,567	1,567	1,149	3322,7	2492,1	2492,1	1827,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/840	1653	12,7	130,2	0,317	0,317	0,238	0,238	0,174	503,6	377,7	377,7	277,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/840	1914	14,9	128,5	0,372	0,372	0,279	0,279	0,204	590,8	443,1	443,1	324,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/840	2175	17	127,9	0,424	0,424	0,318	0,318	0,233	674,1	505,5	505,5	370,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/840	2610	18,4	141,8	0,459	0,459	0,344	0,344	0,252	729,6	547,2	547,2	401,3

BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/840	3045	22	138,4	0,549	0,549	0,411	0,411	0,302	872,3	654,2	654,2	479,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/840	3480	25,7	135,4	0,641	0,641	0,481	0,481	0,352	1019,0	764,3	764,3	560,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/840	4300	32,9	130,7	0,820	0,820	0,615	0,615	0,451	1304,5	978,4	978,4	717,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED60-4S/840	5160	37,9	136,1	0,945	0,945	0,709	0,709	0,520	1502,8	1127,1	1127,1	826,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/840	6020	44,5	135,3	1,110	1,110	0,832	0,832	0,610	1764,5	1323,3	1323,3	970,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/840	6880	51,5	133,6	1,284	1,284	0,963	0,963	0,706	2042,0	1531,5	1531,5	1123,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/840	7650	54,9	139,3	1,369	1,369	1,027	1,027	0,753	2176,8	1632,6	1632,6	1197,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED100-4S/840	8500	61,9	137,3	1,544	1,544	1,158	1,158	0,849	2454,4	1840,8	1840,8	1349,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/840	8925	65,5	136,3	1,633	1,633	1,225	1,225	0,898	2597,1	1947,8	1947,8	1428,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/840	9775	72,6	134,6	1,810	1,810	1,358	1,358	0,996	2878,7	2159,0	2159,0	1583,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/840	10200	76,2	133,9	1,900	1,900	1,425	1,425	1,045	3021,4	2266,0	2266,0	1661,8

BGP530, BRP530, BPP530, BSP530, BVP530 LED125-4S/840	10500	79,8	131,6	1,990	1,990	1,493	1,493	1,095	3164,1	2373,1	2373,1	1740,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED130-4S/840	10920	83,4	130,9	2,080	2,080	1,560	1,560	1,144	3306,9	2480,2	2480,2	1818,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/722	1577	17,4	90,6	0,434	0,434	0,325	0,325	0,239	689,9	517,4	517,4	379,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/722	1826	20,5	89,1	0,511	0,511	0,383	0,383	0,281	812,8	609,6	609,6	447,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/722	2075	21,5	96,5	0,536	0,536	0,402	0,402	0,295	852,5	639,4	639,4	468,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/722	2490	26,2	95,0	0,653	0,653	0,490	0,490	0,359	1038,9	779,1	779,1	571,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/722	2870	30,9	92,9	0,771	0,771	0,578	0,578	0,424	1225,2	918,9	918,9	673,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/722	3280	35,7	91,9	0,890	0,890	0,668	0,668	0,490	1415,5	1061,7	1061,7	778,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/722	4100	42,8	95,8	1,067	1,067	0,800	0,800	0,587	1697,1	1272,8	1272,8	933,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED60-4S/722	4860	52	93,5	1,297	1,297	0,973	0,973	0,713	2061,8	1546,4	1546,4	1134,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/722	5670	61,7	91,9	1,539	1,539	1,154	1,154	0,846	2446,5	1834,8	1834,8	1345,6

BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/722	6480	67,3	96,3	1,678	1,678	1,259	1,259	0,923	2668,5	2001,4	2001,4	1467,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/722	7291	77	94,7	1,920	1,920	1,440	1,440	1,056	3053,1	2289,8	2289,8	1679,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/722	7696	82	93,9	2,045	2,045	1,534	1,534	1,125	3251,4	2438,5	2438,5	1788,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/727	1577	14	112,6	0,349	0,349	0,262	0,262	0,192	555,1	416,3	416,3	305,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/727	1826	16,3	112,0	0,406	0,406	0,305	0,305	0,224	646,3	484,7	484,7	355,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/727	2075	18,7	111,0	0,466	0,466	0,350	0,350	0,256	741,5	556,1	556,1	407,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/727	2490	20,3	122,7	0,506	0,506	0,380	0,380	0,278	804,9	603,7	603,7	442,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/727	2905	24,3	119,5	0,606	0,606	0,454	0,454	0,333	963,5	722,6	722,6	529,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/727	3320	28,3	117,3	0,706	0,706	0,529	0,529	0,388	1122,1	841,6	841,6	617,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED45-4S/727	3735	32,3	115,6	0,805	0,805	0,604	0,604	0,443	1280,7	960,5	960,5	704,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED55-4S/727	4565	40,1	113,8	1,000	1,000	0,750	0,750	0,550	1590,0	1192,5	1192,5	874,5

BGP530, BRP530, BPP530, BSP530, BVP530 LED65-4S/727	5395	45,2	119,4	1,127	1,127	0,845	0,845	0,620	1792,2	1344,2	1344,2	985,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED75-4S/727	6225	53	117,5	1,322	1,322	0,991	0,991	0,727	2101,5	1576,1	1576,1	1155,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED85-4S/727	7055	60,7	116,2	1,514	1,514	1,135	1,135	0,833	2406,8	1805,1	1805,1	1323,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/727	7885	64,8	121,7	1,616	1,616	1,212	1,212	0,889	2569,4	1927,0	1927,0	1413,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/727	8610	72,5	118,8	1,808	1,808	1,356	1,356	0,994	2874,7	2156,0	2156,0	1581,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/727	9430	80,3	117,4	2,002	2,002	1,502	1,502	1,101	3184,0	2388,0	2388,0	1751,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/727	9840	84,2	116,9	2,100	2,100	1,575	1,575	1,155	3338,6	2504,0	2504,0	1836,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/730	1577	12,3	128,2	0,307	0,307	0,230	0,230	0,169	487,7	365,8	365,8	268,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/730	1826	14,3	127,7	0,357	0,357	0,267	0,267	0,196	567,0	425,3	425,3	311,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/730	2075	16,2	128,1	0,404	0,404	0,303	0,303	0,222	642,3	481,8	481,8	353,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/730	2490	19,5	127,7	0,486	0,486	0,365	0,365	0,267	773,2	579,9	579,9	425,3

BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/730	2905	21,5	135,1	0,536	0,536	0,402	0,402	0,295	852,5	639,4	639,4	468,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/730	3280	24,7	132,8	0,616	0,616	0,462	0,462	0,339	979,4	734,5	734,5	538,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED45-4S/730	3690	27,9	132,3	0,696	0,696	0,522	0,522	0,383	1106,3	829,7	829,7	608,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED55-4S/730	4510	34,4	131,1	0,858	0,858	0,643	0,643	0,472	1364,0	1023,0	1023,0	750,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED65-4S/730	5265	39,4	133,6	0,983	0,983	0,737	0,737	0,540	1562,2	1171,7	1171,7	859,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED75-4S/730	6075	45,3	134,1	1,130	1,130	0,847	0,847	0,621	1796,2	1347,1	1347,1	987,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED85-4S/730	6885	51,7	133,2	1,289	1,289	0,967	0,967	0,709	2050,0	1537,5	1537,5	1127,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/730	7696	55,2	139,4	1,377	1,377	1,032	1,032	0,757	2188,7	1641,5	1641,5	1203,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/730	8505	61,6	138,1	1,536	1,536	1,152	1,152	0,845	2442,5	1831,9	1831,9	1343,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/730	9315	68	137,0	1,696	1,696	1,272	1,272	0,933	2696,3	2022,2	2022,2	1482,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/730	9600	71,3	134,6	1,778	1,778	1,334	1,334	0,978	2827,1	2120,3	2120,3	1554,9

BGP530, BRP530, BPP530, BSP530, BVP530 LED125-4S/730	10000	74,6	134,0	1,860	1,860	1,395	1,395	1,023	2958,0	2218,5	2218,5	1626,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED130-4S/730	10400	77,9	133,5	1,943	1,943	1,457	1,457	1,068	3088,8	2316,6	2316,6	1698,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/740	1577	12	131,4	0,299	0,299	0,224	0,224	0,165	475,8	356,9	356,9	261,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/740	1826	13,6	134,3	0,339	0,339	0,254	0,254	0,187	539,3	404,4	404,4	296,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/740	2075	15,5	133,9	0,387	0,387	0,290	0,290	0,213	614,6	460,9	460,9	338,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/740	2490	18,6	133,9	0,464	0,464	0,348	0,348	0,255	737,5	553,1	553,1	405,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/740	2905	20,5	141,7	0,511	0,511	0,383	0,383	0,281	812,8	609,6	609,6	447,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/740	3280	23,6	139,0	0,589	0,589	0,441	0,441	0,324	935,8	701,8	701,8	514,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED45-4S/740	3690	26,7	138,2	0,666	0,666	0,499	0,499	0,366	1058,7	794,0	794,0	582,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED55-4S/740	4510	32,9	137,1	0,820	0,820	0,615	0,615	0,451	1304,5	978,4	978,4	717,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED65-4S/740	5265	39,1	134,7	0,975	0,975	0,731	0,731	0,536	1550,3	1162,8	1162,8	852,7

BGP530, BRP530, BPP530, BSP530, BVP530 LED75-4S/740	6075	43,5	139,7	1,085	1,085	0,814	0,814	0,597	1724,8	1293,6	1293,6	948,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED85-4S/740	6885	49,4	139,4	1,232	1,232	0,924	0,924	0,678	1958,8	1469,1	1469,1	1077,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED95-4S/740	7696	55,7	138,2	1,389	1,389	1,042	1,042	0,764	2208,6	1656,4	1656,4	1214,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED105-4S/740	8505	58,8	144,6	1,466	1,466	1,100	1,100	0,806	2331,5	1748,6	1748,6	1282,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED115-4S/740	9315	64,9	143,5	1,618	1,618	1,214	1,214	0,890	2573,3	1930,0	1930,0	1415,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/740	9720	68	142,9	1,696	1,696	1,272	1,272	0,933	2696,3	2022,2	2022,2	1482,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED125-4S/740	10125	71,1	142,4	1,773	1,773	1,330	1,330	0,975	2819,2	2114,4	2114,4	1550,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED130-4S/740	10530	74,3	141,7	1,853	1,853	1,390	1,390	1,019	2946,1	2209,5	2209,5	1620,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/827	1577	16,5	95,6	0,411	0,411	0,309	0,309	0,226	654,2	490,7	490,7	359,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/827	1826	19,3	94,6	0,481	0,481	0,361	0,361	0,265	765,3	573,9	573,9	420,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/827	2075	19,7	105,3	0,491	0,491	0,368	0,368	0,270	781,1	585,8	585,8	429,6

BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/827	2490	24,4	102,0	0,608	0,608	0,456	0,456	0,335	967,5	725,6	725,6	532,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/827	2870	29,1	98,6	0,726	0,726	0,544	0,544	0,399	1153,8	865,4	865,4	634,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/827	3280	33,8	97,0	0,843	0,843	0,632	0,632	0,464	1340,2	1005,1	1005,1	737,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/827	4100	40,5	101,2	1,010	1,010	0,757	0,757	0,555	1605,9	1204,4	1204,4	883,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED60-4S/827	4860	49,2	98,8	1,227	1,227	0,920	0,920	0,675	1950,8	1463,1	1463,1	1073,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/827	5670	58,4	97,1	1,456	1,456	1,092	1,092	0,801	2315,6	1736,7	1736,7	1273,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/827	6480	63,7	101,7	1,589	1,589	1,191	1,191	0,874	2525,8	1894,3	1894,3	1389,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/827	7200	72,8	98,9	1,815	1,815	1,362	1,362	0,999	2886,6	2164,9	2164,9	1587,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED100-4S/827	8000	81,9	97,7	2,042	2,042	1,532	1,532	1,123	3247,4	2435,6	2435,6	1786,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/830	1577	13,5	116,8	0,337	0,337	0,252	0,252	0,185	535,3	401,5	401,5	294,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/830	1826	15,7	116,3	0,392	0,392	0,294	0,294	0,215	622,5	466,9	466,9	342,4

BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/830	2075	17,8	116,6	0,444	0,444	0,333	0,333	0,244	705,8	529,3	529,3	388,2
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/830	2490	20,1	123,9	0,501	0,501	0,376	0,376	0,276	797,0	597,7	597,7	438,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/830	2870	23,7	121,1	0,591	0,591	0,443	0,443	0,325	939,7	704,8	704,8	516,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/830	3280	27,3	120,1	0,681	0,681	0,511	0,511	0,374	1082,5	811,9	811,9	595,4
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/830	4051	34,6	117,1	0,863	0,863	0,647	0,647	0,475	1371,9	1028,9	1028,9	754,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED60-4S/830	4860	40,1	121,2	1,000	1,000	0,750	0,750	0,550	1590,0	1192,5	1192,5	874,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/830	5670	46,8	121,2	1,167	1,167	0,875	0,875	0,642	1855,7	1391,7	1391,7	1020,6
BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/830	6480	54,1	119,8	1,349	1,349	1,012	1,012	0,742	2145,1	1608,8	1608,8	1179,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/830	7200	58	124,1	1,446	1,446	1,085	1,085	0,796	2299,8	1724,8	1724,8	1264,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED100-4S/830	8000	65,2	122,7	1,626	1,626	1,219	1,219	0,894	2585,2	1938,9	1938,9	1421,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/830	9480	80	118,5	1,995	1,995	1,496	1,496	1,097	3172,1	2379,1	2379,1	1744,6

BGP530, BRP530, BPP530, BSP530, BVP530 LED19-4S/840	1577	12,7	124,2	0,317	0,317	0,238	0,238	0,174	503,6	377,7	377,7	277,0
BGP530, BRP530, BPP530, BSP530, BVP530 LED22-4S/840	1826	14,9	122,6	0,372	0,372	0,279	0,279	0,204	590,8	443,1	443,1	324,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED25-4S/840	2075	17	122,1	0,424	0,424	0,318	0,318	0,233	674,1	505,5	505,5	370,7
BGP530, BRP530, BPP530, BSP530, BVP530 LED30-4S/840	2490	18,4	135,3	0,459	0,459	0,344	0,344	0,252	729,6	547,2	547,2	401,3
BGP530, BRP530, BPP530, BSP530, BVP530 LED35-4S/840	2905	22	132,0	0,549	0,549	0,411	0,411	0,302	872,3	654,2	654,2	479,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED40-4S/840	3320	25,7	129,2	0,641	0,641	0,481	0,481	0,352	1019,0	764,3	764,3	560,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED50-4S/840	4100	32,9	124,6	0,820	0,820	0,615	0,615	0,451	1304,5	978,4	978,4	717,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED60-4S/840	4920	37,9	129,8	0,945	0,945	0,709	0,709	0,520	1502,8	1127,1	1127,1	826,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED70-4S/840	5740	44,5	129,0	1,110	1,110	0,832	0,832	0,610	1764,5	1323,3	1323,3	970,5
BGP530, BRP530, BPP530, BSP530, BVP530 LED80-4S/840	6560	51,5	127,4	1,284	1,284	0,963	0,963	0,706	2042,0	1531,5	1531,5	1123,1
BGP530, BRP530, BPP530, BSP530, BVP530 LED90-4S/840	7291	54,9	132,8	1,369	1,369	1,027	1,027	0,753	2176,8	1632,6	1632,6	1197,3

BGP530, BRP530, BPP530, BSP530, BVP530 LED100-4S/840	8101	61,9	130,9	1,544	1,544	1,158	1,158	0,849	2454,4	1840,8	1840,8	1349,9
BGP530, BRP530, BPP530, BSP530, BVP530 LED120-4S/840	9720	76,2	127,6	1,900	1,900	1,425	1,425	1,045	3021,4	2266,0	2266,0	1661,8
BGP530, BRP530, BPP530, BSP530, BVP530 LED130-4S/840	10530	83,4	126,3	2,080	2,080	1,560	1,560	1,144	3306,9	2480,2	2480,2	1818,8

* Note that if the product is non-dimmable, only the values for "NC (No Control)" are valid; if the driver type is PSU, only the values for "NC (No Control)" and "PS (presence sensing)" for are valid.