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

$$Scaled\ Impact = GWP_{\ case} * TSF$$

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
BGP284/294/394 LED109-4S/722	9680,000	79,0	122,5	0,479	0,479	0,359	0,359	0,263	3131,3	2348,5	2348,5	1722,2
BGP284/294/394 LED120-4S/722	10560,000	87,0	121,4	0,527	0,527	0,395	0,395	0,290	3448,4	2586,3	2586,3	1896,6
BGP284/294/394 LED130-4S/727	11440,000	85,0	134,6	0,515	0,515	0,386	0,386	0,283	3369,1	2526,8	2526,8	1853,0
BGP284/294/394 LED130-4S/722	11440,000	95,0	120,4	0,576	0,576	0,432	0,432	0,317	3765,5	2824,1	2824,1	2071,0
BGP284/294/394 LED139-4S/730	12320,000	80,0	154,0	0,485	0,485	0,364	0,364	0,267	3170,9	2378,2	2378,2	1744,0
BGP284/294/394 LED139-4S/727	12320,000	91,0	135,4	0,552	0,552	0,414	0,414	0,303	3606,9	2705,2	2705,2	1983,8
BGP284/294/394 LED139-4S/722	12320,000	102,0	120,8	0,618	0,618	0,464	0,464	0,340	4042,9	3032,2	3032,2	2223,6
BGP284/294/394 LED139-4S/830	12320,000	91,0	135,4	0,552	0,552	0,414	0,414	0,303	3606,9	2705,2	2705,2	1983,8
BGP284/294/394 LED149-4S/740	13200,000	81,0	163,0	0,491	0,491	0,368	0,368	0,270	3210,5	2407,9	2407,9	1765,8
BGP284/294/394 LED149-4S/730	13200,000	86,0	153,5	0,521	0,521	0,391	0,391	0,287	3408,7	2556,5	2556,5	1874,8
BGP284/294/394 LED149-4S/727	13200,000	97,0	136,1	0,588	0,588	0,441	0,441	0,323	3844,7	2883,5	2883,5	2114,6

ANNEX

USE PHASE (B6) VALUES FOR DIFFERENT COUNTRY MIX

The table in this annex is useful for conversion and comparison of B6 values with other energy country mix. The Global Warming Potential Total (GWP tot) value is illustrated for each country. The value refers to 1 kwh.

Example on how to use the table:

This EPD was done according to a specific customer use location that can be read in the paragraph **PRODUCT USE AND MAINTENANCE (B1-B7).**

If for example the EPD was done according to EU energy mix and you want to see how the GWP total changes according to a Finland country energy mix, you can take the original value in the results table here highlighed in yellow:

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 CO2e	5,88E+00	2,61E-01	-1,25E-01	6,02E+00	3,02E-01	5,41E-01	MND	MND	MND	MND	MND	4,06E+02	MND	MNR	1,77E-02	2,62E-01	1,88E-01	-1,09E+01

Divide that value according to the EU value from the following table (EU = 3,96E-01) and then multilplying for the Finland value from the same table (FINLAND = 2,70E-01).

Thus, the calculation of this example would be:

New B6 GWP tot for Finland = (4,06E+02 / 3,96E-01) x 2,70E-01 = 2,76 E+02

Philips h[illegible] Large

Country	GWP tot (kg CO2 eq. per kwh)
AUSTRALIA	9,59E-01
AUSTRIA	3,37E-01
BELGIUM	2,63E-01
CHINA	1,14E+00
DENMARK	2,91E-01
EU	3,96E-01
FINLAND	2,70E-01
FRANCE	8,77E-02
GERMANY	5,32E-01
HUNGARY	4,67E-01
IRELAND	4,26E-01
ITALY	3,94E-01
LATAM	3,50E-01

NAM	4,83E-01
NETHERLANDS	5,88E-01
NORWAY	2,59E-02
POLAND	1,05E+00
PORTUGAL	4,22E-01
ROW	7,32E-01
SPAIN	3,34E-01
SWEDEN	4,95E-02
SWITZERLAND	5,38E-02
UK	3,17E-01

Source Ecoinvent 3.8