

# APPENDIX 1

## MATERIAL COMPOSITION

The product material composition is illustrated in the table below. The material weight is given in grams and in percentage on total product weight.

**Table 1: Material composition**

| Material              | Weight (g) | Weight-% |
|-----------------------|------------|----------|
| Aluminium             | 4631       | 73.7     |
| Copper                | 12.68      | 0.2      |
| Other Plastics        | 1193.52    | 18.99    |
| Paint                 | 159        | 2.53     |
| PCB Alu               | 27.9       | 0.44     |
| PCB Copper            | 32.08      | 0.51     |
| PCB Iron              | 28.05      | 0.45     |
| PCB Non-ferrous metal | 0.01       | 0        |
| PCB Support           | 112.4      | 1.79     |
| PCB Tin               | 1.94       | 0.03     |
| Stainless Steel       | 2          | 0.03     |
| Steel                 | 83.04      | 1.32     |

## APPENDIX 2

### USE PHASE (B6) VALUES FOR DIFFERENT COUNTRY MIX

In this EPD the B6 impact has been calculated using the energy mix of **EU**. The table in this appendix is useful for conversion and comparison of B6 values with other country energy 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:

If for example this 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 highlighted in yellow:

### ENVIRONMENTAL IMPACT DATA, RESULTS PER DECLARED UNIT

*The estimated impact results are only relative statements which do not indicate the end points of the impact categories, exceeding threshold values, safety margins or risks.*

#### CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, EF 3.1

| Impact category           | Unit                 | A1       | A2       | A3       | A1-A3    | A4       | A5       | B1 | B2 | B3 | B4 | B5 | B6       | B7 | C1       | C2       | C3       | C4       | D         |
|---------------------------|----------------------|----------|----------|----------|----------|----------|----------|----|----|----|----|----|----------|----|----------|----------|----------|----------|-----------|
| GWP – total <sup>1)</sup> | kg CO <sub>2</sub> e | 1.08E+01 | 2.33E-01 | 5.06E-01 | 1.15E+01 | 3.27E+00 | 1.68E+00 | ND | ND | ND | ND | ND | 4.06E-02 | ND | 0.00E+00 | 2.88E-02 | 5.13E-01 | 2.80E-01 | -9.88E-01 |

Divide that value according to the EU value from the following table (EU = 3.30E-01) and then multiplying for the Finland value from the same table (FINLAND = 1.54E-01).

Thus, the calculation of this example would be:

New B6 GWP tot for Finland =  $(4.06E-02 / 3.30E-01) \times 1.54E-01 = 1.89E-02$ .

| Country   | GWP tot (kg CO2 eq. per kwh) |             |          |
|-----------|------------------------------|-------------|----------|
| AFRICA    | 7.30E-01                     | GERMANY     | 3.90E-01 |
| APAC      | 9.50E-01                     | INDIA       | 1.50E+00 |
| AUSTRALIA | 8.40E-01                     | ITALY       | 3.50E-01 |
| AUSTRIA   | 2.30E-01                     | LATAM       | 3.90E-01 |
| BELGIUM   | 2.00E-01                     | NAM         | 4.50E-01 |
| CHINA     | 1.02E+00                     | NETHERLANDS | 3.90E-01 |
| DENMARK   | 1.60E-01                     | NORWAY      | 4.50E-02 |
| EU        | 3.30E-01                     | ROW         | 7.30E-01 |
| FINLAND   | 1.54E-01                     | SPAIN       | 2.10E-01 |
| FRANCE    | 8.70E-02                     | SWEDEN      | 3.70E-02 |
|           |                              | UK          | 2.60E-01 |

Source Ecoinvent 3.10.1

## APPENDIX 3 - 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 1: 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.

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

The following list of product configurations is not exhaustive. Please use the formula defined in point 1 above to calculate the exact power scaling factor (PSF) for any specific configuration.

**Table 2: GWP per scaling factor (EPD Hub aligned)**

|    | 12NC or Product Family Code | Description           | Flux [Lm] | Power [W] | Efficacy [L/W] | PSF   | Total Scaling Factor (TSF) |       |       |       | Scaled Impacts (GWP100 B6 - kg CO2eq.) |          |          |          |
|----|-----------------------------|-----------------------|-----------|-----------|----------------|-------|----------------------------|-------|-------|-------|--|----------|----------|----------|
|    |                             |                       |           |           |                |       | NC                         | DD    | PS    | DD+PS | NC                                     | DD       | PS       | DD+PS    |
| 1  | BDP265                      | BDP265LED8-4S740DM50  | 656       | 5.6       | 117.143        | 0.196 | 0.196                      | 0.147 | 0.147 | 0.108 | 184.24                                 | 138.18   | 138.18   | 101.332  |
| 2  | BDP265                      | BDP265LED10-4S740DM50 | 820       | 6.8       | 120.588        | 0.239 | 0.239                      | 0.179 | 0.179 | 0.131 | 223.72                                 | 167.79   | 167.79   | 123.046  |
| 3  | BDP265                      | BDP265LED12-4S740DM50 | 984       | 7.7       | 127.792        | 0.270 | 0.270                      | 0.203 | 0.203 | 0.149 | 253.33                                 | 189.9975 | 189.9975 | 139.3315 |
| 4  | BDP265                      | BDP265LED14-4S740DM50 | 1148      | 8.9       | 128.989        | 0.312 | 0.312                      | 0.234 | 0.234 | 0.172 | 292.81                                 | 219.6075 | 219.6075 | 161.0455 |
| 5  | BDP265                      | BDP265LED16-4S740DM50 | 1312      | 10        | 131.200        | 0.351 | 0.351                      | 0.263 | 0.263 | 0.193 | 329                                    | 246.75   | 246.75   | 180.95   |
| 6  | BDP265                      | BDP265LED18-4S740DM50 | 1476      | 11.2      | 131.786        | 0.393 | 0.393                      | 0.295 | 0.295 | 0.216 | 368.48                                 | 276.36   | 276.36   | 202.664  |
| 7  | BDP265                      | BDP265LED20-4S740DM50 | 1640      | 12.4      | 132.258        | 0.435 | 0.435                      | 0.326 | 0.326 | 0.239 | 407.96                                 | 305.97   | 305.97   | 224.378  |
| 8  | BDP265                      | BDP265LED22-4S740DM50 | 1782      | 13.6      | 131.029        | 0.477 | 0.477                      | 0.358 | 0.358 | 0.262 | 447.44                                 | 335.58   | 335.58   | 246.092  |
| 9  | BDP265                      | BDP265LED24-4S740DM50 | 1944      | 15        | 129.600        | 0.526 | 0.526                      | 0.395 | 0.395 | 0.289 | 493.5                                  | 370.125  | 370.125  | 271.425  |
| 10 | BDP265                      | BDP265LED27-4S740DM50 | 2187      | 17        | 128.647        | 0.596 | 0.596                      | 0.447 | 0.447 | 0.328 | 559.3                                  | 419.475  | 419.475  | 307.615  |
| 11 | BDP265                      | BDP265LED30-4S740DM50 | 2430      | 19        | 127.895        | 0.667 | 0.667                      | 0.500 | 0.500 | 0.367 | 625.1                                  | 468.825  | 468.825  | 343.805  |
| 12 | BDP265                      | BDP265LED34-4S740DM50 | 2754      | 20        | 137.700        | 0.702 | 0.702                      | 0.526 | 0.526 | 0.386 | 658                                    | 493.5    | 493.5    | 361.9    |

|    |        |                        |       |      |         |       |       |       |       |       |         |           |           |          |
|----|--------|------------------------|-------|------|---------|-------|-------|-------|-------|-------|---------|-----------|-----------|----------|
| 13 | BDP265 | BDP265LED35-4S740DM50  | 2835  | 20.5 | 138.293 | 0.719 | 0.719 | 0.539 | 0.539 | 0.396 | 674.45  | 505.8375  | 505.8375  | 370.9475 |
| 14 | BDP265 | BDP265LED39-4S740DM50  | 3159  | 23   | 137.348 | 0.807 | 0.807 | 0.605 | 0.605 | 0.444 | 756.7   | 567.525   | 567.525   | 416.185  |
| 15 | BDP265 | BDP265LED40-4S740DM50  | 3240  | 23.5 | 137.872 | 0.825 | 0.825 | 0.618 | 0.618 | 0.454 | 773.15  | 579.8625  | 579.8625  | 425.2325 |
| 16 | BDP265 | BDP265LED44-4S740DM50  | 3564  | 26   | 137.077 | 0.912 | 0.912 | 0.684 | 0.684 | 0.502 | 855.4   | 641.55    | 641.55    | 470.47   |
| 17 | BDP265 | BDP265LED45-4S740DM50  | 3645  | 27   | 135.000 | 0.947 | 0.947 | 0.711 | 0.711 | 0.521 | 888.3   | 666.225   | 666.225   | 488.565  |
| 18 | BDP265 | BDP265LED50-4S740DM50  | 4050  | 28.5 | 142.105 | 1.000 | 1.000 | 0.750 | 0.750 | 0.550 | 937.65  | 703.2375  | 703.2375  | 515.7075 |
| 19 | BDP265 | BDP265LED55-4S740DM50  | 4536  | 31.5 | 144.000 | 1.105 | 1.105 | 0.829 | 0.829 | 0.608 | 1036.35 | 777.2625  | 777.2625  | 569.9925 |
| 20 | BDP265 | BDP265LED59-4S740DM50  | 4860  | 33.5 | 145.075 | 1.175 | 1.175 | 0.882 | 0.882 | 0.646 | 1102.15 | 826.6125  | 826.6125  | 606.1825 |
| 21 | BDP265 | BDP265LED64-4S740DM50  | 5120  | 37   | 138.378 | 1.298 | 1.298 | 0.974 | 0.974 | 0.714 | 1217.3  | 912.975   | 912.975   | 669.515  |
| 22 | BDP265 | BDP265LED69-4S740DM50  | 5600  | 40   | 140.000 | 1.404 | 1.404 | 1.053 | 1.053 | 0.772 | 1316    | 987       | 987       | 723.8    |
| 23 | BDP265 | BDP265LED74-4S740DM50  | 5920  | 43   | 137.674 | 1.509 | 1.509 | 1.132 | 1.132 | 0.830 | 1414.7  | 1061.025  | 1061.025  | 778.085  |
| 24 | BDP265 | BDP265LED79-4S740DM50  | 6240  | 44.5 | 140.225 | 1.561 | 1.561 | 1.171 | 1.171 | 0.859 | 1464.05 | 1098.0375 | 1098.0375 | 805.2275 |
| 25 | BDP265 | BDP265LED84-4S740DM50  | 6720  | 47.5 | 141.474 | 1.667 | 1.667 | 1.250 | 1.250 | 0.917 | 1562.75 | 1172.0625 | 1172.0625 | 859.5125 |
| 26 | BDP265 | BDP265LED90-4S740DM50  | 7200  | 51   | 141.176 | 1.789 | 1.789 | 1.342 | 1.342 | 0.984 | 1677.9  | 1258.425  | 1258.425  | 922.845  |
| 27 | BDP265 | BDP265LED94-4S740DM50  | 7520  | 54   | 139.259 | 1.895 | 1.895 | 1.421 | 1.421 | 1.042 | 1776.6  | 1332.45   | 1332.45   | 977.13   |
| 28 | BDP265 | BDP265LED109-4S740DM50 | 8800  | 63   | 139.683 | 2.211 | 2.211 | 1.658 | 1.658 | 1.216 | 2072.7  | 1554.525  | 1554.525  | 1139.985 |
| 29 | BDP265 | BDP265LED120-4S740DM50 | 9600  | 71   | 135.211 | 2.491 | 2.491 | 1.868 | 1.868 | 1.370 | 2335.9  | 1751.925  | 1751.925  | 1284.745 |
| 30 | BDP265 | BDP265LED130-4S740DM50 | 10270 | 77   | 133.377 | 2.702 | 2.702 | 2.026 | 2.026 | 1.486 | 2533.3  | 1899.975  | 1899.975  | 1393.315 |
| 31 | BDP265 | BDP265LED6-4S722DM50   | 492   | 5.6  | 87.857  | 0.196 | 0.196 | 0.147 | 0.147 | 0.108 | 184.24  | 138.18    | 138.18    | 101.332  |
| 32 | BDP265 | BDP265LED8-4S722DM50   | 656   | 7.1  | 92.394  | 0.249 | 0.249 | 0.187 | 0.187 | 0.137 | 233.59  | 175.1925  | 175.1925  | 128.4745 |
| 33 | BDP265 | BDP265LED10-4S722DM50  | 810   | 8.8  | 92.045  | 0.309 | 0.309 | 0.232 | 0.232 | 0.170 | 289.52  | 217.14    | 217.14    | 159.236  |
| 34 | BDP265 | BDP265LED12-4S722DM50  | 984   | 10   | 98.400  | 0.351 | 0.351 | 0.263 | 0.263 | 0.193 | 329     | 246.75    | 246.75    | 180.95   |

|    |        |                       |      |      |         |       |       |       |       |       |         |           |           |          |
|----|--------|-----------------------|------|------|---------|-------|-------|-------|-------|-------|---------|-----------|-----------|----------|
| 35 | BDP265 | BDP265LED14-4S722DM50 | 1148 | 11.6 | 98.966  | 0.407 | 0.407 | 0.305 | 0.305 | 0.224 | 381.64  | 286.23    | 286.23    | 209.902  |
| 36 | BDP265 | BDP265LED16-4S722DM50 | 1296 | 13.2 | 98.182  | 0.463 | 0.463 | 0.347 | 0.347 | 0.255 | 434.28  | 325.71    | 325.71    | 238.854  |
| 37 | BDP265 | BDP265LED18-4S722DM50 | 1458 | 14.8 | 98.514  | 0.519 | 0.519 | 0.389 | 0.389 | 0.286 | 486.92  | 365.19    | 365.19    | 267.806  |
| 38 | BDP265 | BDP265LED20-4S722DM50 | 1620 | 16.6 | 97.590  | 0.582 | 0.582 | 0.437 | 0.437 | 0.320 | 546.14  | 409.605   | 409.605   | 300.377  |
| 39 | BDP265 | BDP265LED22-4S722DM50 | 1782 | 18.4 | 96.848  | 0.646 | 0.646 | 0.484 | 0.484 | 0.355 | 605.36  | 454.02    | 454.02    | 332.948  |
| 40 | BDP265 | BDP265LED24-4S722DM50 | 1944 | 20.5 | 94.829  | 0.719 | 0.719 | 0.539 | 0.539 | 0.396 | 674.45  | 505.8375  | 505.8375  | 370.9475 |
| 41 | BDP265 | BDP265LED27-4S722DM50 | 2187 | 21   | 104.143 | 0.737 | 0.737 | 0.553 | 0.553 | 0.405 | 690.9   | 518.175   | 518.175   | 379.995  |
| 42 | BDP265 | BDP265LED30-4S722DM50 | 2430 | 23.5 | 103.404 | 0.825 | 0.825 | 0.618 | 0.618 | 0.454 | 773.15  | 579.8625  | 579.8625  | 425.2325 |
| 43 | BDP265 | BDP265LED34-4S722DM50 | 2754 | 27   | 102.000 | 0.947 | 0.947 | 0.711 | 0.711 | 0.521 | 888.3   | 666.225   | 666.225   | 488.565  |
| 44 | BDP265 | BDP265LED35-4S722DM50 | 2835 | 27.5 | 103.091 | 0.965 | 0.965 | 0.724 | 0.724 | 0.531 | 904.75  | 678.5625  | 678.5625  | 497.6125 |
| 45 | BDP265 | BDP265LED39-4S722DM50 | 3120 | 31   | 100.645 | 1.088 | 1.088 | 0.816 | 0.816 | 0.598 | 1019.9  | 764.925   | 764.925   | 560.945  |
| 46 | BDP265 | BDP265LED40-4S722DM50 | 3200 | 32   | 100.000 | 1.123 | 1.123 | 0.842 | 0.842 | 0.618 | 1052.8  | 789.6     | 789.6     | 579.04   |
| 47 | BDP265 | BDP265LED44-4S722DM50 | 3520 | 35.5 | 99.155  | 1.246 | 1.246 | 0.934 | 0.934 | 0.685 | 1167.95 | 875.9625  | 875.9625  | 642.3725 |
| 48 | BDP265 | BDP265LED45-4S722DM50 | 3600 | 36.5 | 98.630  | 1.281 | 1.281 | 0.961 | 0.961 | 0.704 | 1200.85 | 900.6375  | 900.6375  | 660.4675 |
| 49 | BDP265 | BDP265LED50-4S722DM50 | 4000 | 38   | 105.263 | 1.333 | 1.333 | 1.000 | 1.000 | 0.733 | 1250.2  | 937.65    | 937.65    | 687.61   |
| 50 | BDP265 | BDP265LED55-4S722DM50 | 4480 | 42.5 | 105.412 | 1.491 | 1.491 | 1.118 | 1.118 | 0.820 | 1398.25 | 1048.6875 | 1048.6875 | 769.0375 |
| 51 | BDP265 | BDP265LED59-4S722DM50 | 4800 | 45.5 | 105.495 | 1.596 | 1.596 | 1.197 | 1.197 | 0.878 | 1496.95 | 1122.7125 | 1122.7125 | 823.3225 |
| 52 | BDP265 | BDP265LED64-4S722DM50 | 5120 | 50   | 102.400 | 1.754 | 1.754 | 1.316 | 1.316 | 0.965 | 1645    | 1233.75   | 1233.75   | 904.75   |
| 53 | BDP265 | BDP265LED69-4S722DM50 | 5600 | 54   | 103.704 | 1.895 | 1.895 | 1.421 | 1.421 | 1.042 | 1776.6  | 1332.45   | 1332.45   | 977.13   |
| 54 | BDP266 | BDP265LED74-4S722DM50 | 5846 | 59   | 99.085  | 2.070 | 2.070 | 1.553 | 1.553 | 1.139 | 1941.1  | 1455.825  | 1455.825  | 1067.605 |
| 55 | BDP267 | BDP265LED79-4S722DM50 | 6400 | 60   | 106.667 | 2.105 | 2.105 | 1.579 | 1.579 | 1.158 | 1974    | 1480.5    | 1480.5    | 1085.7   |
| 56 | BDP268 | BDP265LED84-4S722DM50 | 6720 | 65   | 103.385 | 2.281 | 2.281 | 1.711 | 1.711 | 1.254 | 2138.5  | 1603.875  | 1603.875  | 1176.175 |

|    |        |                       |      |      |         |       |       |       |       |       |         |          |          |          |
|----|--------|-----------------------|------|------|---------|-------|-------|-------|-------|-------|---------|----------|----------|----------|
| 57 | BDP269 | BDP265LED90-4S722DM50 | 7200 | 70   | 102.857 | 2.456 | 2.456 | 1.842 | 1.842 | 1.351 | 2303    | 1727.25  | 1727.25  | 1266.65  |
| 58 | BDP270 | BDP265LED94-4S722DM50 | 7426 | 74   | 100.351 | 2.596 | 2.596 | 1.947 | 1.947 | 1.428 | 2434.6  | 1825.95  | 1825.95  | 1339.03  |
| 59 | BDP271 | BDP265LED6-4S830DM50  | 492  | 5    | 98.400  | 0.175 | 0.175 | 0.132 | 0.132 | 0.096 | 164.5   | 123.375  | 123.375  | 90.475   |
| 60 | BDP272 | BDP265LED8-4S830DM50  | 656  | 6.5  | 100.923 | 0.228 | 0.228 | 0.171 | 0.171 | 0.125 | 213.85  | 160.3875 | 160.3875 | 117.6175 |
| 61 | BDP273 | BDP265LED10-4S830DM50 | 820  | 7.9  | 103.797 | 0.277 | 0.277 | 0.208 | 0.208 | 0.152 | 259.91  | 194.9325 | 194.9325 | 142.9505 |
| 62 | BDP274 | BDP265LED12-4S830DM50 | 984  | 9.1  | 108.132 | 0.319 | 0.319 | 0.239 | 0.239 | 0.176 | 299.39  | 224.5425 | 224.5425 | 164.6645 |
| 63 | BDP275 | BDP265LED14-4S830DM50 | 1148 | 10.4 | 110.385 | 0.365 | 0.365 | 0.274 | 0.274 | 0.201 | 342.16  | 256.62   | 256.62   | 188.188  |
| 64 | BDP276 | BDP265LED16-4S830DM50 | 1312 | 11.8 | 111.186 | 0.414 | 0.414 | 0.311 | 0.311 | 0.228 | 388.22  | 291.165  | 291.165  | 213.521  |
| 65 | BDP277 | BDP265LED18-4S830DM50 | 1458 | 13.2 | 110.455 | 0.463 | 0.463 | 0.347 | 0.347 | 0.255 | 434.28  | 325.71   | 325.71   | 238.854  |
| 66 | BDP278 | BDP265LED20-4S830DM50 | 1620 | 14.8 | 109.459 | 0.519 | 0.519 | 0.389 | 0.389 | 0.286 | 486.92  | 365.19   | 365.19   | 267.806  |
| 67 | BDP279 | BDP265LED22-4S830DM50 | 1782 | 16.4 | 108.659 | 0.575 | 0.575 | 0.432 | 0.432 | 0.316 | 539.56  | 404.67   | 404.67   | 296.758  |
| 68 | BDP280 | BDP265LED24-4S830DM50 | 1944 | 18   | 108.000 | 0.632 | 0.632 | 0.474 | 0.474 | 0.347 | 592.2   | 444.15   | 444.15   | 325.71   |
| 69 | BDP281 | BDP265LED27-4S830DM50 | 2187 | 19   | 115.105 | 0.667 | 0.667 | 0.500 | 0.500 | 0.367 | 625.1   | 468.825  | 468.825  | 343.805  |
| 70 | BDP282 | BDP265LED30-4S830DM50 | 2430 | 21   | 115.714 | 0.737 | 0.737 | 0.553 | 0.553 | 0.405 | 690.9   | 518.175  | 518.175  | 379.995  |
| 71 | BDP283 | BDP265LED34-4S830DM50 | 2754 | 24   | 114.750 | 0.842 | 0.842 | 0.632 | 0.632 | 0.463 | 789.6   | 592.2    | 592.2    | 434.28   |
| 72 | BDP284 | BDP265LED35-4S830DM50 | 2835 | 24.5 | 115.714 | 0.860 | 0.860 | 0.645 | 0.645 | 0.473 | 806.05  | 604.5375 | 604.5375 | 443.3275 |
| 73 | BDP285 | BDP265LED39-4S830DM50 | 3159 | 27.5 | 114.873 | 0.965 | 0.965 | 0.724 | 0.724 | 0.531 | 904.75  | 678.5625 | 678.5625 | 497.6125 |
| 74 | BDP286 | BDP265LED40-4S830DM50 | 3240 | 28.5 | 113.684 | 1.000 | 1.000 | 0.750 | 0.750 | 0.550 | 937.65  | 703.2375 | 703.2375 | 515.7075 |
| 75 | BDP287 | BDP265LED44-4S830DM50 | 3520 | 31.5 | 111.746 | 1.105 | 1.105 | 0.829 | 0.829 | 0.608 | 1036.35 | 777.2625 | 777.2625 | 569.9925 |
| 76 | BDP288 | BDP265LED45-4S830DM50 | 3600 | 32   | 112.500 | 1.123 | 1.123 | 0.842 | 0.842 | 0.618 | 1052.8  | 789.6    | 789.6    | 579.04   |
| 77 | BDP289 | BDP265LED50-4S830DM50 | 4000 | 36   | 111.111 | 1.263 | 1.263 | 0.947 | 0.947 | 0.695 | 1184.4  | 888.3    | 888.3    | 651.42   |
| 78 | BDP290 | BDP265LED55-4S830DM50 | 4480 | 37.5 | 119.467 | 1.316 | 1.316 | 0.987 | 0.987 | 0.724 | 1233.75 | 925.3125 | 925.3125 | 678.5625 |

|     |        |                        |      |      |         |       |       |       |       |       |         |           |           |          |
|-----|--------|------------------------|------|------|---------|-------|-------|-------|-------|-------|---------|-----------|-----------|----------|
| 79  | BDP291 | BDP265LED59-4S830DM50  | 4800 | 40.5 | 118.519 | 1.421 | 1.421 | 1.066 | 1.066 | 0.782 | 1332.45 | 999.3375  | 999.3375  | 732.8475 |
| 80  | BDP292 | BDP265LED64-4S830DM50  | 5120 | 44.5 | 115.056 | 1.561 | 1.561 | 1.171 | 1.171 | 0.859 | 1464.05 | 1098.0375 | 1098.0375 | 805.2275 |
| 81  | BDP293 | BDP265LED69-4S830DM50  | 5600 | 48   | 116.667 | 1.684 | 1.684 | 1.263 | 1.263 | 0.926 | 1579.2  | 1184.4    | 1184.4    | 868.56   |
| 82  | BDP294 | BDP265LED74-4S830DM50  | 5920 | 52   | 113.846 | 1.825 | 1.825 | 1.368 | 1.368 | 1.004 | 1710.8  | 1283.1    | 1283.1    | 940.94   |
| 83  | BDP295 | BDP265LED79-4S830DM50  | 6400 | 54   | 118.519 | 1.895 | 1.895 | 1.421 | 1.421 | 1.042 | 1776.6  | 1332.45   | 1332.45   | 977.13   |
| 84  | BDP296 | BDP265LED84-4S830DM50  | 6720 | 57   | 117.895 | 2.000 | 2.000 | 1.500 | 1.500 | 1.100 | 1875.3  | 1406.475  | 1406.475  | 1031.415 |
| 85  | BDP297 | BDP265LED90-4S830DM50  | 7200 | 62   | 116.129 | 2.175 | 2.175 | 1.632 | 1.632 | 1.196 | 2039.8  | 1529.85   | 1529.85   | 1121.89  |
| 86  | BDP298 | BDP265LED94-4S830DM50  | 7520 | 65   | 115.692 | 2.281 | 2.281 | 1.711 | 1.711 | 1.254 | 2138.5  | 1603.875  | 1603.875  | 1176.175 |
| 87  | BDP299 | BDP265LED109-4S830DM50 | 8690 | 77   | 112.857 | 2.702 | 2.702 | 2.026 | 2.026 | 1.486 | 2533.3  | 1899.975  | 1899.975  | 1393.315 |
| 88  | BDP300 | BDP265LED6-4S827DM50   | 492  | 5.4  | 91.111  | 0.189 | 0.189 | 0.142 | 0.142 | 0.104 | 177.66  | 133.245   | 133.245   | 97.713   |
| 89  | BDP301 | BDP265LED8-4S827DM50   | 656  | 6.9  | 95.072  | 0.242 | 0.242 | 0.182 | 0.182 | 0.133 | 227.01  | 170.2575  | 170.2575  | 124.8555 |
| 90  | BDP302 | BDP265LED10-4S827DM50  | 820  | 8.4  | 97.619  | 0.295 | 0.295 | 0.221 | 0.221 | 0.162 | 276.36  | 207.27    | 207.27    | 151.998  |
| 91  | BDP303 | BDP265LED12-4S827DM50  | 984  | 9.7  | 101.443 | 0.340 | 0.340 | 0.255 | 0.255 | 0.187 | 319.13  | 239.3475  | 239.3475  | 175.5215 |
| 92  | BDP304 | BDP265LED14-4S827DM50  | 1148 | 11.2 | 102.500 | 0.393 | 0.393 | 0.295 | 0.295 | 0.216 | 368.48  | 276.36    | 276.36    | 202.664  |
| 93  | BDP305 | BDP265LED16-4S827DM50  | 1296 | 12.6 | 102.857 | 0.442 | 0.442 | 0.332 | 0.332 | 0.243 | 414.54  | 310.905   | 310.905   | 227.997  |
| 94  | BDP306 | BDP265LED18-4S827DM50  | 1458 | 14.4 | 101.250 | 0.505 | 0.505 | 0.379 | 0.379 | 0.278 | 473.76  | 355.32    | 355.32    | 260.568  |
| 95  | BDP307 | BDP265LED20-4S827DM50  | 1620 | 16   | 101.250 | 0.561 | 0.561 | 0.421 | 0.421 | 0.309 | 526.4   | 394.8     | 394.8     | 289.52   |
| 96  | BDP308 | BDP265LED22-4S827DM50  | 1782 | 17.6 | 101.250 | 0.618 | 0.618 | 0.463 | 0.463 | 0.340 | 579.04  | 434.28    | 434.28    | 318.472  |
| 97  | BDP309 | BDP265LED24-4S827DM50  | 1944 | 18.2 | 106.813 | 0.639 | 0.639 | 0.479 | 0.479 | 0.351 | 598.78  | 449.085   | 449.085   | 329.329  |
| 98  | BDP310 | BDP265LED27-4S827DM50  | 2187 | 20.5 | 106.683 | 0.719 | 0.719 | 0.539 | 0.539 | 0.396 | 674.45  | 505.8375  | 505.8375  | 370.9475 |
| 99  | BDP311 | BDP265LED30-4S827DM50  | 2430 | 22.5 | 108.000 | 0.789 | 0.789 | 0.592 | 0.592 | 0.434 | 740.25  | 555.1875  | 555.1875  | 407.1375 |
| 100 | BDP312 | BDP265LED34-4S827DM50  | 2754 | 26   | 105.923 | 0.912 | 0.912 | 0.684 | 0.684 | 0.502 | 855.4   | 641.55    | 641.55    | 470.47   |

## 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 a reference variant of a product family, based on various light management functions, the lumen output ( $O_{lum}$ ) and reference service life ( $RSL$ ) of each product within the same product family.

To calculate the Scaled Impact ( $SI_{pep}$ ), 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. Using this scaled GWP, we then can apply the PEP Ecopassport method for calculating the environmental impact of the functional unit for a luminary (1000 lumens over 35000 hours), applied to B6, where the Functional Unit application considers the lumen output ( $O_{lum}$ ) and reference service lifetime ( $RSL$ ) of the product to estimate the final environmental impact. The scaled impact ( $SI_{pep}$ ) is presented in Table A4.

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

3. Calculate the GWP scaling factor ( $PGSF$ ), by multiplying the PSF by the GSF.

$$PGSF = PSF * GSF$$

- 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), as presented in Table A1.

$$TSF = PGSF * CSF$$

**Table 3: Light management functions (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 |

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

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

**Table 4: Impact per scaling factor (PEP EcoPassport aligned)**

|    | 12NC or Product Family Code | Description           | Flux [Lm] | Power [W] | Efficacy [L/W] | PSF   | Total Scaling Factor (TSF) |       |       |       | Scaled Impacts (GWP100 B6 - kg CO2eq.) |      |      |       |
|----|-----------------------------|-----------------------|-----------|-----------|----------------|-------|----------------------------|-------|-------|-------|--|------|------|-------|
|    |                             |                       |           |           |                |       | NC                         | DD    | PS    | DD+PS | NC                                     | DD   | PS   | DD+PS |
| 1  | BDP265                      | BDP265LED8-4S740DM50  | 656       | 5.6       | 117.1          | 0.196 | 0.105                      | 0.079 | 0.079 | 0.058 | 98.3                                   | 73.7 | 73.7 | 54.1  |
| 2  | BDP265                      | BDP265LED10-4S740DM50 | 820       | 6.8       | 120.6          | 0.239 | 0.102                      | 0.076 | 0.076 | 0.056 | 95.5                                   | 71.6 | 71.6 | 52.5  |
| 3  | BDP265                      | BDP265LED12-4S740DM50 | 984       | 7.7       | 127.8          | 0.270 | 0.096                      | 0.072 | 0.072 | 0.053 | 90.1                                   | 67.6 | 67.6 | 49.6  |
| 4  | BDP265                      | BDP265LED14-4S740DM50 | 1148      | 8.9       | 129.0          | 0.312 | 0.095                      | 0.071 | 0.071 | 0.052 | 89.3                                   | 67.0 | 67.0 | 49.1  |
| 5  | BDP265                      | BDP265LED16-4S740DM50 | 1312      | 10.0      | 131.2          | 0.351 | 0.094                      | 0.070 | 0.070 | 0.051 | 87.8                                   | 65.8 | 65.8 | 48.3  |
| 6  | BDP265                      | BDP265LED18-4S740DM50 | 1476      | 11.2      | 131.8          | 0.393 | 0.093                      | 0.070 | 0.070 | 0.051 | 87.4                                   | 65.5 | 65.5 | 48.1  |
| 7  | BDP265                      | BDP265LED20-4S740DM50 | 1640      | 12.4      | 132.3          | 0.435 | 0.093                      | 0.070 | 0.070 | 0.051 | 87.1                                   | 65.3 | 65.3 | 47.9  |
| 8  | BDP265                      | BDP265LED22-4S740DM50 | 1782      | 13.6      | 131.0          | 0.5   | 0.1                        | 0.1   | 0.1   | 0.1   | 87.9                                   | 65.9 | 65.9 | 48.3  |
| 9  | BDP265                      | BDP265LED24-4S740DM50 | 1944      | 15.0      | 129.6          | 0.5   | 0.1                        | 0.1   | 0.1   | 0.1   | 88.9                                   | 66.6 | 66.6 | 48.9  |
| 10 | BDP265                      | BDP265LED27-4S740DM50 | 2187      | 17.0      | 128.6          | 0.6   | 0.1                        | 0.1   | 0.1   | 0.1   | 89.5                                   | 67.1 | 67.1 | 49.2  |
| 11 | BDP265                      | BDP265LED30-4S740DM50 | 2430      | 19.0      | 127.9          | 0.7   | 0.1                        | 0.1   | 0.1   | 0.1   | 90.0                                   | 67.5 | 67.5 | 49.5  |
| 12 | BDP265                      | BDP265LED34-4S740DM50 | 2754      | 20.0      | 137.7          | 0.7   | 0.1                        | 0.1   | 0.1   | 0.0   | 83.6                                   | 62.7 | 62.7 | 46.0  |
| 13 | BDP265                      | BDP265LED35-4S740DM50 | 2835      | 20.5      | 138.3          | 0.7   | 0.1                        | 0.1   | 0.1   | 0.0   | 83.3                                   | 62.4 | 62.4 | 45.8  |
| 14 | BDP265                      | BDP265LED39-4S740DM50 | 3159      | 23.0      | 137.3          | 0.8   | 0.1                        | 0.1   | 0.1   | 0.0   | 83.8                                   | 62.9 | 62.9 | 46.1  |
| 15 | BDP265                      | BDP265LED40-4S740DM50 | 3240      | 23.5      | 137.9          | 0.8   | 0.1                        | 0.1   | 0.1   | 0.0   | 83.5                                   | 62.6 | 62.6 | 45.9  |
| 16 | BDP265                      | BDP265LED44-4S740DM50 | 3564      | 26.0      | 137.1          | 0.9   | 0.1                        | 0.1   | 0.1   | 0.0   | 84.0                                   | 63.0 | 63.0 | 46.2  |
| 17 | BDP265                      | BDP265LED45-4S740DM50 | 3645      | 27.0      | 135.0          | 0.9   | 0.1                        | 0.1   | 0.1   | 0.1   | 85.3                                   | 64.0 | 64.0 | 46.9  |
| 18 | BDP265                      | BDP265LED50-4S740DM50 | 4050      | 28.5      | 142.1          | 1.0   | 0.1                        | 0.1   | 0.1   | 0.0   | 81.0                                   | 60.8 | 60.8 | 44.6  |

|    |        |                        |       |      |       |     |     |     |     |     |       |      |      |      |
|----|--------|------------------------|-------|------|-------|-----|-----|-----|-----|-----|-------|------|------|------|
| 19 | BDP265 | BDP265LED55-4S740DM50  | 4536  | 31.5 | 144.0 | 1.1 | 0.1 | 0.1 | 0.1 | 0.0 | 80.0  | 60.0 | 60.0 | 44.0 |
| 20 | BDP265 | BDP265LED59-4S740DM50  | 4860  | 33.5 | 145.1 | 1.2 | 0.1 | 0.1 | 0.1 | 0.0 | 79.4  | 59.5 | 59.5 | 43.7 |
| 21 | BDP265 | BDP265LED64-4S740DM50  | 5120  | 37.0 | 138.4 | 1.3 | 0.1 | 0.1 | 0.1 | 0.0 | 83.2  | 62.4 | 62.4 | 45.8 |
| 22 | BDP265 | BDP265LED69-4S740DM50  | 5600  | 40.0 | 140.0 | 1.4 | 0.1 | 0.1 | 0.1 | 0.0 | 82.3  | 61.7 | 61.7 | 45.2 |
| 23 | BDP265 | BDP265LED74-4S740DM50  | 5920  | 43.0 | 137.7 | 1.5 | 0.1 | 0.1 | 0.1 | 0.0 | 83.6  | 62.7 | 62.7 | 46.0 |
| 24 | BDP265 | BDP265LED79-4S740DM50  | 6240  | 44.5 | 140.2 | 1.6 | 0.1 | 0.1 | 0.1 | 0.0 | 82.1  | 61.6 | 61.6 | 45.2 |
| 25 | BDP265 | BDP265LED84-4S740DM50  | 6720  | 47.5 | 141.5 | 1.7 | 0.1 | 0.1 | 0.1 | 0.0 | 81.4  | 61.0 | 61.0 | 44.8 |
| 26 | BDP265 | BDP265LED90-4S740DM50  | 7200  | 51.0 | 141.2 | 1.8 | 0.1 | 0.1 | 0.1 | 0.0 | 81.6  | 61.2 | 61.2 | 44.9 |
| 27 | BDP265 | BDP265LED94-4S740DM50  | 7520  | 54.0 | 139.3 | 1.9 | 0.1 | 0.1 | 0.1 | 0.0 | 82.7  | 62.0 | 62.0 | 45.5 |
| 28 | BDP265 | BDP265LED109-4S740DM50 | 8800  | 63.0 | 139.7 | 2.2 | 0.1 | 0.1 | 0.1 | 0.0 | 82.4  | 61.8 | 61.8 | 45.3 |
| 29 | BDP265 | BDP265LED120-4S740DM50 | 9600  | 71.0 | 135.2 | 2.5 | 0.1 | 0.1 | 0.1 | 0.0 | 85.2  | 63.9 | 63.9 | 46.8 |
| 30 | BDP265 | BDP265LED130-4S740DM50 | 10270 | 77.0 | 133.4 | 2.7 | 0.1 | 0.1 | 0.1 | 0.1 | 86.3  | 64.8 | 64.8 | 47.5 |
| 31 | BDP265 | BDP265LED6-4S722DM50   | 492   | 5.6  | 87.9  | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 131.1 | 98.3 | 98.3 | 72.1 |
| 32 | BDP265 | BDP265LED8-4S722DM50   | 656   | 7.1  | 92.4  | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 124.6 | 93.5 | 93.5 | 68.5 |
| 33 | BDP265 | BDP265LED10-4S722DM50  | 810   | 8.8  | 92.0  | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 125.1 | 93.8 | 93.8 | 68.8 |
| 34 | BDP265 | BDP265LED12-4S722DM50  | 984   | 10.0 | 98.4  | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 117.0 | 87.8 | 87.8 | 64.4 |
| 35 | BDP265 | BDP265LED14-4S722DM50  | 1148  | 11.6 | 99.0  | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 116.4 | 87.3 | 87.3 | 64.0 |
| 36 | BDP265 | BDP265LED16-4S722DM50  | 1296  | 13.2 | 98.2  | 0.5 | 0.1 | 0.1 | 0.1 | 0.1 | 117.3 | 88.0 | 88.0 | 64.5 |
| 37 | BDP265 | BDP265LED18-4S722DM50  | 1458  | 14.8 | 98.5  | 0.5 | 0.1 | 0.1 | 0.1 | 0.1 | 116.9 | 87.7 | 87.7 | 64.3 |
| 38 | BDP265 | BDP265LED20-4S722DM50  | 1620  | 16.6 | 97.6  | 0.6 | 0.1 | 0.1 | 0.1 | 0.1 | 118.0 | 88.5 | 88.5 | 64.9 |
| 39 | BDP265 | BDP265LED22-4S722DM50  | 1782  | 18.4 | 96.8  | 0.6 | 0.1 | 0.1 | 0.1 | 0.1 | 118.9 | 89.2 | 89.2 | 65.4 |
| 40 | BDP265 | BDP265LED24-4S722DM50  | 1944  | 20.5 | 94.8  | 0.7 | 0.1 | 0.1 | 0.1 | 0.1 | 121.4 | 91.1 | 91.1 | 66.8 |

|    |        |                       |      |      |       |     |     |     |     |     |       |      |      |      |
|----|--------|-----------------------|------|------|-------|-----|-----|-----|-----|-----|-------|------|------|------|
| 41 | BDP265 | BDP265LED27-4S722DM50 | 2187 | 21.0 | 104.1 | 0.7 | 0.1 | 0.1 | 0.1 | 0.1 | 110.6 | 82.9 | 82.9 | 60.8 |
| 42 | BDP265 | BDP265LED30-4S722DM50 | 2430 | 23.5 | 103.4 | 0.8 | 0.1 | 0.1 | 0.1 | 0.1 | 111.4 | 83.5 | 83.5 | 61.2 |
| 43 | BDP265 | BDP265LED34-4S722DM50 | 2754 | 27.0 | 102.0 | 0.9 | 0.1 | 0.1 | 0.1 | 0.1 | 112.9 | 84.7 | 84.7 | 62.1 |
| 44 | BDP265 | BDP265LED35-4S722DM50 | 2835 | 27.5 | 103.1 | 1.0 | 0.1 | 0.1 | 0.1 | 0.1 | 111.7 | 83.8 | 83.8 | 61.4 |
| 45 | BDP265 | BDP265LED39-4S722DM50 | 3120 | 31.0 | 100.6 | 1.1 | 0.1 | 0.1 | 0.1 | 0.1 | 114.4 | 85.8 | 85.8 | 62.9 |
| 46 | BDP265 | BDP265LED40-4S722DM50 | 3200 | 32.0 | 100.0 | 1.1 | 0.1 | 0.1 | 0.1 | 0.1 | 115.2 | 86.4 | 86.4 | 63.3 |
| 47 | BDP265 | BDP265LED44-4S722DM50 | 3520 | 35.5 | 99.2  | 1.2 | 0.1 | 0.1 | 0.1 | 0.1 | 116.1 | 87.1 | 87.1 | 63.9 |
| 48 | BDP265 | BDP265LED45-4S722DM50 | 3600 | 36.5 | 98.6  | 1.3 | 0.1 | 0.1 | 0.1 | 0.1 | 116.7 | 87.6 | 87.6 | 64.2 |
| 49 | BDP265 | BDP265LED50-4S722DM50 | 4000 | 38.0 | 105.3 | 1.3 | 0.1 | 0.1 | 0.1 | 0.1 | 109.4 | 82.0 | 82.0 | 60.2 |
| 50 | BDP265 | BDP265LED55-4S722DM50 | 4480 | 42.5 | 105.4 | 1.5 | 0.1 | 0.1 | 0.1 | 0.1 | 109.2 | 81.9 | 81.9 | 60.1 |
| 51 | BDP265 | BDP265LED59-4S722DM50 | 4800 | 45.5 | 105.5 | 1.6 | 0.1 | 0.1 | 0.1 | 0.1 | 109.2 | 81.9 | 81.9 | 60.0 |
| 52 | BDP265 | BDP265LED64-4S722DM50 | 5120 | 50.0 | 102.4 | 1.8 | 0.1 | 0.1 | 0.1 | 0.1 | 112.5 | 84.3 | 84.3 | 61.8 |
| 53 | BDP265 | BDP265LED69-4S722DM50 | 5600 | 54.0 | 103.7 | 1.9 | 0.1 | 0.1 | 0.1 | 0.1 | 111.0 | 83.3 | 83.3 | 61.1 |
| 54 | BDP266 | BDP265LED74-4S722DM50 | 5846 | 59.0 | 99.1  | 2.1 | 0.1 | 0.1 | 0.1 | 0.1 | 116.2 | 87.2 | 87.2 | 63.9 |
| 55 | BDP267 | BDP265LED79-4S722DM50 | 6400 | 60.0 | 106.7 | 2.1 | 0.1 | 0.1 | 0.1 | 0.1 | 108.0 | 81.0 | 81.0 | 59.4 |
| 56 | BDP268 | BDP265LED84-4S722DM50 | 6720 | 65.0 | 103.4 | 2.3 | 0.1 | 0.1 | 0.1 | 0.1 | 111.4 | 83.5 | 83.5 | 61.3 |
| 57 | BDP269 | BDP265LED90-4S722DM50 | 7200 | 70.0 | 102.9 | 2.5 | 0.1 | 0.1 | 0.1 | 0.1 | 112.0 | 84.0 | 84.0 | 61.6 |
| 58 | BDP270 | BDP265LED94-4S722DM50 | 7426 | 74.0 | 100.4 | 2.6 | 0.1 | 0.1 | 0.1 | 0.1 | 114.7 | 86.1 | 86.1 | 63.1 |
| 59 | BDP271 | BDP265LED6-4S830DM50  | 492  | 5.0  | 98.4  | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 117.0 | 87.8 | 87.8 | 64.4 |
| 60 | BDP272 | BDP265LED8-4S830DM50  | 656  | 6.5  | 100.9 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 114.1 | 85.6 | 85.6 | 62.8 |
| 61 | BDP273 | BDP265LED10-4S830DM50 | 820  | 7.9  | 103.8 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 110.9 | 83.2 | 83.2 | 61.0 |
| 62 | BDP274 | BDP265LED12-4S830DM50 | 984  | 9.1  | 108.1 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 106.5 | 79.9 | 79.9 | 58.6 |

|    |        |                       |      |      |       |     |     |     |     |     |       |      |      |      |
|----|--------|-----------------------|------|------|-------|-----|-----|-----|-----|-----|-------|------|------|------|
| 63 | BDP275 | BDP265LED14-4S830DM50 | 1148 | 10.4 | 110.4 | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 104.3 | 78.2 | 78.2 | 57.4 |
| 64 | BDP276 | BDP265LED16-4S830DM50 | 1312 | 11.8 | 111.2 | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 103.6 | 77.7 | 77.7 | 57.0 |
| 65 | BDP277 | BDP265LED18-4S830DM50 | 1458 | 13.2 | 110.5 | 0.5 | 0.1 | 0.1 | 0.1 | 0.1 | 104.3 | 78.2 | 78.2 | 57.3 |
| 66 | BDP278 | BDP265LED20-4S830DM50 | 1620 | 14.8 | 109.5 | 0.5 | 0.1 | 0.1 | 0.1 | 0.1 | 105.2 | 78.9 | 78.9 | 57.9 |
| 67 | BDP279 | BDP265LED22-4S830DM50 | 1782 | 16.4 | 108.7 | 0.6 | 0.1 | 0.1 | 0.1 | 0.1 | 106.0 | 79.5 | 79.5 | 58.3 |
| 68 | BDP280 | BDP265LED24-4S830DM50 | 1944 | 18.0 | 108.0 | 0.6 | 0.1 | 0.1 | 0.1 | 0.1 | 106.6 | 80.0 | 80.0 | 58.6 |
| 69 | BDP281 | BDP265LED27-4S830DM50 | 2187 | 19.0 | 115.1 | 0.7 | 0.1 | 0.1 | 0.1 | 0.1 | 100.0 | 75.0 | 75.0 | 55.0 |
| 70 | BDP282 | BDP265LED30-4S830DM50 | 2430 | 21.0 | 115.7 | 0.7 | 0.1 | 0.1 | 0.1 | 0.1 | 99.5  | 74.6 | 74.6 | 54.7 |
| 71 | BDP283 | BDP265LED34-4S830DM50 | 2754 | 24.0 | 114.8 | 0.8 | 0.1 | 0.1 | 0.1 | 0.1 | 100.3 | 75.3 | 75.3 | 55.2 |
| 72 | BDP284 | BDP265LED35-4S830DM50 | 2835 | 24.5 | 115.7 | 0.9 | 0.1 | 0.1 | 0.1 | 0.1 | 99.5  | 74.6 | 74.6 | 54.7 |
| 73 | BDP285 | BDP265LED39-4S830DM50 | 3159 | 27.5 | 114.9 | 1.0 | 0.1 | 0.1 | 0.1 | 0.1 | 100.2 | 75.2 | 75.2 | 55.1 |
| 74 | BDP286 | BDP265LED40-4S830DM50 | 3240 | 28.5 | 113.7 | 1.0 | 0.1 | 0.1 | 0.1 | 0.1 | 101.3 | 76.0 | 76.0 | 55.7 |
| 75 | BDP287 | BDP265LED44-4S830DM50 | 3520 | 31.5 | 111.7 | 1.1 | 0.1 | 0.1 | 0.1 | 0.1 | 103.0 | 77.3 | 77.3 | 56.7 |
| 76 | BDP288 | BDP265LED45-4S830DM50 | 3600 | 32.0 | 112.5 | 1.1 | 0.1 | 0.1 | 0.1 | 0.1 | 102.4 | 76.8 | 76.8 | 56.3 |
| 77 | BDP289 | BDP265LED50-4S830DM50 | 4000 | 36.0 | 111.1 | 1.3 | 0.1 | 0.1 | 0.1 | 0.1 | 103.6 | 77.7 | 77.7 | 57.0 |
| 78 | BDP290 | BDP265LED55-4S830DM50 | 4480 | 37.5 | 119.5 | 1.3 | 0.1 | 0.1 | 0.1 | 0.1 | 96.4  | 72.3 | 72.3 | 53.0 |
| 79 | BDP291 | BDP265LED59-4S830DM50 | 4800 | 40.5 | 118.5 | 1.4 | 0.1 | 0.1 | 0.1 | 0.1 | 97.2  | 72.9 | 72.9 | 53.4 |
| 80 | BDP292 | BDP265LED64-4S830DM50 | 5120 | 44.5 | 115.1 | 1.6 | 0.1 | 0.1 | 0.1 | 0.1 | 100.1 | 75.1 | 75.1 | 55.0 |
| 81 | BDP293 | BDP265LED69-4S830DM50 | 5600 | 48.0 | 116.7 | 1.7 | 0.1 | 0.1 | 0.1 | 0.1 | 98.7  | 74.0 | 74.0 | 54.3 |
| 82 | BDP294 | BDP265LED74-4S830DM50 | 5920 | 52.0 | 113.8 | 1.8 | 0.1 | 0.1 | 0.1 | 0.1 | 101.1 | 75.9 | 75.9 | 55.6 |
| 83 | BDP295 | BDP265LED79-4S830DM50 | 6400 | 54.0 | 118.5 | 1.9 | 0.1 | 0.1 | 0.1 | 0.1 | 97.2  | 72.9 | 72.9 | 53.4 |
| 84 | BDP296 | BDP265LED84-4S830DM50 | 6720 | 57.0 | 117.9 | 2.0 | 0.1 | 0.1 | 0.1 | 0.1 | 97.7  | 73.3 | 73.3 | 53.7 |

|     |        |                        |      |      |       |     |     |     |     |     |       |      |      |      |
|-----|--------|------------------------|------|------|-------|-----|-----|-----|-----|-----|-------|------|------|------|
| 85  | BDP297 | BDP265LED90-4S830DM50  | 7200 | 62.0 | 116.1 | 2.2 | 0.1 | 0.1 | 0.1 | 0.1 | 99.2  | 74.4 | 74.4 | 54.5 |
| 86  | BDP298 | BDP265LED94-4S830DM50  | 7520 | 65.0 | 115.7 | 2.3 | 0.1 | 0.1 | 0.1 | 0.1 | 99.5  | 74.6 | 74.6 | 54.7 |
| 87  | BDP299 | BDP265LED109-4S830DM50 | 8690 | 77.0 | 112.9 | 2.7 | 0.1 | 0.1 | 0.1 | 0.1 | 102.0 | 76.5 | 76.5 | 56.1 |
| 88  | BDP300 | BDP265LED6-4S827DM50   | 492  | 5.4  | 91.1  | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 126.4 | 94.8 | 94.8 | 69.5 |
| 89  | BDP301 | BDP265LED8-4S827DM50   | 656  | 6.9  | 95.1  | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 121.1 | 90.8 | 90.8 | 66.6 |
| 90  | BDP302 | BDP265LED10-4S827DM50  | 820  | 8.4  | 97.6  | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 118.0 | 88.5 | 88.5 | 64.9 |
| 91  | BDP303 | BDP265LED12-4S827DM50  | 984  | 9.7  | 101.4 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 113.5 | 85.1 | 85.1 | 62.4 |
| 92  | BDP304 | BDP265LED14-4S827DM50  | 1148 | 11.2 | 102.5 | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 112.3 | 84.3 | 84.3 | 61.8 |
| 93  | BDP305 | BDP265LED16-4S827DM50  | 1296 | 12.6 | 102.9 | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 112.0 | 84.0 | 84.0 | 61.6 |
| 94  | BDP306 | BDP265LED18-4S827DM50  | 1458 | 14.4 | 101.3 | 0.5 | 0.1 | 0.1 | 0.1 | 0.1 | 113.7 | 85.3 | 85.3 | 62.6 |
| 95  | BDP307 | BDP265LED20-4S827DM50  | 1620 | 16.0 | 101.3 | 0.6 | 0.1 | 0.1 | 0.1 | 0.1 | 113.7 | 85.3 | 85.3 | 62.6 |
| 96  | BDP308 | BDP265LED22-4S827DM50  | 1782 | 17.6 | 101.3 | 0.6 | 0.1 | 0.1 | 0.1 | 0.1 | 113.7 | 85.3 | 85.3 | 62.6 |
| 97  | BDP309 | BDP265LED24-4S827DM50  | 1944 | 18.2 | 106.8 | 0.6 | 0.1 | 0.1 | 0.1 | 0.1 | 107.8 | 80.9 | 80.9 | 59.3 |
| 98  | BDP310 | BDP265LED27-4S827DM50  | 2187 | 20.5 | 106.7 | 0.7 | 0.1 | 0.1 | 0.1 | 0.1 | 107.9 | 81.0 | 81.0 | 59.4 |
| 99  | BDP311 | BDP265LED30-4S827DM50  | 2430 | 22.5 | 108.0 | 0.8 | 0.1 | 0.1 | 0.1 | 0.1 | 106.6 | 80.0 | 80.0 | 58.6 |
| 100 | BDP312 | BDP265LED34-4S827DM50  | 2754 | 26.0 | 105.9 | 0.9 | 0.1 | 0.1 | 0.1 | 0.1 | 108.7 | 81.5 | 81.5 | 59.8 |