



**PHILIPS**

**Transformer and  
dimmer list**  
Consumer 2020



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# Consumer transformer compatibility list LED Low Voltage range



Recommended transformer compatibility list for Low Voltage lamps  
For non-dimmable systems only

## KEY

|               |  |
|---------------|--|
| <b>x-y</b>    | Transformer is compatible with x - y lamp and dimming range is 20%-90%   |
| <b>1</b>      | Transformer is compatible but will not work according claimed specifications under all conditions and dimming range is 30%-90% |
| <b>2</b>      | Transformer is not compatible and therefore will not comply according claimed specifications.                                  |
| <b>N.A.</b>   | Transformer lamp combination not applicable/relevant   |
| <b>T.B.D.</b> | Transformer lamp combination not tested  |

*This document is for information purposes and must be treated as recommendation. Signify attempted to provide best results, results are generated in lab conditions and might contain faults*

|                      |                                    | LED spot                             |                                      |                             |                             |   |   |
|----------------------|------------------------------------|--------------------------------------|--------------------------------------|-----------------------------|-----------------------------|---|---|
|                      |                                    | LED 35W MR16 WarmGlow DIM 9290019047 | LED 50W MR16 WarmGlow DIM 9290020589 | LED 35W MR16 DIM 9290013274 | LED 50W MR16 DIM 9290019043 | LED Classic 20W MR16 non DIM 9290013440 | LED Classic 35W MR16 non DIM 9290013443 |
|                      |                                    |                                      |                                      |                             |                             |   |   |
|                      | Brand / type                       | Watt                                 |                                      |                             |                             |   |   |
| Transformer 50-70W   | OSRAM Halotronic HTM 70 (new type) | 20-70                                | 1-2                                  | 1                           | 1-2                         | 1-2                                     | 1-2                                     |
|                      | Philips Certaline 60               | 20-60                                | 1-2                                  | 1                           | 1-2                         | 1-2                                     | 1-2                                     |
|                      | SEET STE 70VA 7429                 | 20-70                                | 1-2                                  | 1                           | 1-2                         | 1-2                                     | 1-2                                     |
|                      | TRIDONIC SPEEDY TE-0050 C101       | 20-50                                | 1-2                                  | 1                           | 2                           | 2                                       |   |
|                      | TCI PICO WOLF 60                   | 10-60                                | 2                                    |                             |                             |   |   |
|                      | Vossloh Schwabe EST 60/12.635      | 10-60                                | 1-2                                  | 1                           | 2                           | 2                                       |   |
|                      | RELCO ICE60 PFS TH 60W             | 10-60                                | 1                                    | 1                           | 1-2                         | 1-2                                     | 1-3                                     |
|                      | RELCO MINI ICE RN1650 70W          | 20-70                                |                                      |                             | 2                           | 2                                       |   |
|                      | Varilight YT50L                    | 0-50                                 | 1-2                                  | 1                           | 1-2                         | 1-2                                     | 1-3                                     |
|                      | Varilight YT70L                    | 0-70                                 | 1-2                                  | 1                           | 1-2                         | 1-2                                     | 1-3                                     |
|                      | TRIDONIC SPEEDY TE-0070            | 20-70                                | 2                                    |                             | 2                           | 2                                       |   |
|                      | Vossloh Schwabe EST 70/12.380      | 20-70                                | 2                                    | 1                           | 1-2                         | 1-2                                     | 1-2                                     |
|                      | Radiant XE060/O3                   | 20-50                                | 1-2                                  | 1                           | 1-2                         | 1-2                                     |   |
| OSRAM ET-P 60        | 20-60                              |                                      | 1                                    |                             |                             | 1-3                                     |   |
| Transformer 105W     | Philips Primaline 105              | 35-105                               | 2-4                                  | 1-2                         | 1-3                         | 1-3                                     | 2-5                                     |
|                      | OSRAM Halotronic HTM 105           | 35-105                               | 2-4                                  | 1-2                         | 1-3                         | 1-3                                     | 2-5                                     |
|                      | Philips Certaline 105              | 35-105                               | 3-4                                  | 2                           | 1-3                         | 1-3                                     | 2-5                                     |
|                      | Tridonic speedy TE-0105 C101       | 35-105                               | 3-4                                  | 2                           | 2-3                         | 2-3                                     |   |
|                      | RELCO ICE 105 PFS TH               | 20-105                               | 3-4                                  | 2                           | 1-3                         | 1-3                                     |   |
|                      | Vossloh Schwabe EST 105            | 20-105                               | 2-4                                  | 1-2                         | 1-3                         | 1-3                                     | 1-5                                     |
|                      | Varilight YT105L                   | 0-105                                | 1-4                                  | 1-2                         | 1-3                         | 1-3                                     | 1-5                                     |
|                      | IBL lighting UK 4106.00 105W       | 35-105                               | 2-4                                  | 2                           | 2-3                         | 2-3                                     | 2-5                                     |
|                      | TCI Pico Wolf 105                  | 20-105                               | 1-4                                  | 2                           | 1-3                         | 1-3                                     |   |
|                      | GIRA tronic trafo                  | 20-105                               | 1-4                                  | 2                           | 2-3                         | 2-3                                     |   |
| Transformer 150-160W | Philips Primaline 150              | 50-150W                              | 2-6                                  | 1-3                         | 2-4                         | 2-4                                     | 3-7                                     |
|                      | Philips certaline 150              | 50-150W                              | 3-6                                  | 1-3                         | 2-4                         | 2-4                                     | 3-7                                     |
|                      | Relco ICE 150                      | 50-150W                              | 3-6                                  | 3                           | 3-4                         | 3-4                                     | 3-7                                     |
|                      | Relco ICE 160 PFS TH               | 100-160W                             | 4-6                                  |                             | 4-5                         | 4-5                                     |   |
|                      | TCI (DIAG) T150 (WX150)            | 30-150W                              | 4-6                                  | 2-3                         | 2-4                         | 2-4                                     | 2-7                                     |
|                      | OSRAM HTM 150                      | 50-150W                              | 2-6                                  | 2-3                         | 2-4                         | 2-4                                     | 3-7                                     |
|                      | SEET HA-150 code 7431              | 50-150W                              | 2-6                                  | 1-3                         | 2-4                         | 2-4                                     | 3-7                                     |
|                      | Varilight YT150                    | 0-150W                               | 1-6                                  | 1-3                         | 2-4                         | 2-4                                     | 1-7                                     |
| Transformer 210-250W | RELCO ICE 200 PFS TH               | 100-200                              | 4-8                                  | 3-4                         | 4-6                         | 4-6                                     |   |
|                      | SEET HA 210 code 7432              | 50-210                               | 4-8                                  | 2-4                         | 3-6                         | 3-6                                     |   |
|                      | TCI W210                           | 50-210                               | 4-8                                  | 3-4                         | 3-6                         | 3-6                                     |   |
|                      | RELCO ICE 250 PFS TH               | 100-250                              |                                      |                             | 6                           | 6                                       |   |
|                      | VARILIGHT YT 250                   | 0-250                                | 1-8                                  | 1-5                         | 1-7                         | 1-7                                     | 1-10                                    |
| TCI W250             | 50-250                             | 4-8                                  | 3-5                                  | 2-7                         | 2-7                         |   |   |

# Consumer transformer compatibility list LED Low Voltage range









Recommended transformer compatibility list for Low Voltage lamps  
For non-dimmable systems only

**KEY**

|               |   |
|---------------|---|
| <b>x-y</b>    | Transformer is compatible with x - y lamp   |
|               | Transformer is compatible but will not work according Philips claimed specifications under all conditions |
|               | Transformer is not compatible and therefore will not comply to Philips claimed specifications.            |
| <b>N.A.</b>   | Transformer lamp combination not applicable/relevant  |
| <b>T.B.D.</b> | Transformer lamp combination not tested   |

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|                      |                                    | LED spot  | LEDcapsule  |   |   |   |   |         |
|----------------------|------------------------------------|---|---|---|---|---|---|---------|
|                      |                                    | LED Classic 20W MR11 non DIM 9290013392   | LED 10W G4 WH 12V ND 9290023889<br>LED 10W G4 WW 12V ND 9290023888                | LED 20W G4 WH 12V ND 9290023891<br>LED 20W G4 WW 12V ND 9290023890                  | LED 28W G4 WW 12V ND 9290023892   | LED 20W G4 WW 12V Dim 9290023894  | LED 20W GY6.35 WW 12V ND 9290023898<br>LED 20W GY6.35 WH 12V RF ND 9290023897       |         |
|                      |                                    |  |  |  |  |  |  |         |
|                      | Brand / type                       | Watt  |   |   |   |   |   |         |
| Transformer 50-70W   | OSRAM Halotronic HTM 70 (new type) | 20-70   | 2 - 6   | 1-10  | 1-10  | 1-5   | 3 - 8   | 1-10    |
|                      | Philips Certaline 60               | 20-60   | 2 - 5   | 1-10  | 1-10  | 1-4   | 3 - 8   | 1-10    |
|                      | SEET STE 70VA 7429                 | 20-70   | 2 - 6   | 1-10  | 1-10  | 1-5   | 3 - 8   | 1-10    |
|                      | TRIDONIC SPEEDY TE-0050 C101       | 20-50   |   |   |   |   |   |         |
|                      | TCI PICO WOLF 60                   | 10-60   |   |   |   |   |   |         |
|                      | Vossloh Schwabe EST 60/12.635      | 10-60   | 1 - 5   |   |   |   |   |         |
|                      | RELCO ICE60 PFS TH 60W             | 10-60   | 1 - 5   |   |   |   |   |         |
|                      | RELCO MINI ICE RN1650 70W          | 20-70   | 2 - 6   |   |   |   |   |         |
|                      | Varilight YT50L                    | 0-50  | 1 - 4   | 1-10  | 1-10  | 1-10  |   | 1-10    |
|                      | Varilight YT70L                    | 0-70  | 1 - 6   | 1-10  | 1-10  | 1-10  | 3 - 8   | 1-10    |
|                      | TRIDONIC SPEEDY TE-0070            | 20-70   |   | 1-10  | 1-10  | 1-10  | 3 - 8   | 1-10    |
|                      | Vossloh Schwabe EST 70/12.380      | 20-70   | 2 - 6   |   |   |   |   |         |
|                      | Radiant XE060/03                   | 20-50   | 2 - 5   |   |   |   |   |         |
| OSRAM ET-P 60        | 20-60                              |   |   |   |   |   |   |         |
| Transformer 105W     | Philips Primaline 105              | 35-105  | 4 - 9   | 1-10  | 1-10  | 1-2   |   | 1-10    |
|                      | OSRAM Halotronic HTM 105           | 35-105  | 4 - 9   | 1-10  | 1-10  | 1-2   | 3 - 8   | 1-10    |
|                      | Philips Certaline 105              | 35-105  | 4 - 9   | 1-10  | 1-8   | 1-4, 6-10   | 3 - 8   | 1-8, 10 |
|                      | Tridonic speedy TE-0105 C101       | 35-105  |   | 1-10  | 1-10  | 1-5   | 3 - 8   | 1-10    |
|                      | RELCO ICE 105 PFS TH               | 20-105  |   |   |   |   |   |         |
|                      | Vossloh Schwabe EST 105            | 20-105  | 2 - 9   |   |   |   |   |         |
|                      | Varilight YT105L                   | 0-105   | 1 - 9   |   |   |   |   |         |
|                      | IBL lighting UK 4106.00 105W       | 35-105  | 4 - 9   |   |   |   |   |         |
|                      | TCI Pico Wolf 105                  | 20-105  |   |   |   |   |   |         |
|                      | GIRA tronic trafo                  | 20-105  | 2 - 9   |   |   |   |   |         |
| Transformer 150-160W | Philips Primaline 150              | 50-150W   | 5 - 10  | 1-10  | 1-6   | 1-4   |   | 1-6     |
|                      | Philips certaline 150              | 50-150W   | 5 - 10  | 1-10  | 1-6   | 1-4   | 4 - 8   | 1-6     |
|                      | Relco ICE 150                      | 50-150W   | 5 - 10  | 1-10  | 1-10  | 1-5   | 3 - 8   | 1-10    |
|                      | Relco ICE 160 PFS TH               | 100-160W  |   |   |   |   |   |         |
|                      | TCI (DIAG) T150 (WX150)            | 30-150W   | 3 - 10  |   |   |   |   |         |
|                      | OSRAM HTM 150                      | 50-150W   | 5 - 10  | 1-2   | 1-10  | 1-10  |   | 1-10    |
|                      | SEET HA-150 code 7431              | 50-150W   | 5 - 10  | 1-2   | 1-2   | 1-10  | 3 - 8   | 1-10    |
| Varilight YT150      | 0-150W                             | 1 - 10  |   |   |   |   |   |         |
| Transformer 210-250W | RELCO ICE 200 PFS TH               | 100-200   |   |   |   |   |   |         |
|                      | SEET HA 210 code 7432              | 50-210  | 5 - 10  |   |   |   |   |         |
|                      | TCI W210                           | 50-210  | 5 - 10  |   |   |   |   |         |
|                      | RELCO ICE 250 PFS TH               | 100-250   |   |   |   |   |   |         |
|                      | VARILIGHT YT 250                   | 0-250   | 1 - 10  |   |   |   |   |         |
| TCI W250             | 50-250                             | 5 - 10  |   |   |   |   |   |         |

# Consumer dimmer transformer compatibility list LED Low Voltage range



**KEY**

|               |   |
|---------------|---|
| <b>X - Y</b>  | Transformer is compatible with x - y lamp   |
| <b>1</b>      | Transformer is compatible but will not work according claimed specifications under all conditions |
| <b>2</b>      | Transformer is not compatible and therefore will not comply according claimed specifications.     |
| <b>N.A.</b>   | Transformer lamp combination not applicable/relevant  |
| <b>T.B.D.</b> | Transformer lamp combination not tested   |

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**LED 35W MR16 DIM  
9290013274**

| Brand    | Model                       | Watt         |          |
|----------|-----------------------------|--------------|----------|
| Dimmer   | Busch Jaeger                | 6513 U-102   | 40 - 420 |
|          | Gira                        | 1176         | 50 - 420 |
|          | Merten (Schneider)          | 5771         | 20 - 315 |
|          | Doyle & Tratt (Varilight)   | HQ3W         | 60 - 400 |
|          | Insta Group (Berker)        | 283010       | 60 - 400 |
|          | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360 |
|          | Legrand                     | 067081       | 40 - 300 |
|          | Legrand                     | 067082       | 40 - 600 |
|          | Legrand                     | 067084       | 40 - 300 |
|          | Legrand (Bticino)           | L4407        | 60 - 250 |
|          | Schneider Electric          | 315GLE       | 20 - 315 |
|          | Clipsal                     | 32E450UDM    | 0 - 450  |
|          |                             | 32E450TM     | 0 - 450  |
|          |                             | 32E2CFLDM    | 0 - 450  |
|          | HPM                         | Cat 400L     | 0 - 400  |
| Cat 400T |                             | 0 - 400      |          |
| PDL      | 624TMWH                     | 20 - 450     |          |
| KIWI     | K004U                       | 0 - 400      |          |
|          | K005T                       | 0 - 500      |          |

| Transformer  |               |               |              |               |               |           |      |            |        |         |         |          |
|--------------|---------------|---------------|--------------|---------------|---------------|-----------|------|------------|--------|---------|---------|----------|
| Philips      |               |               |              |               |               | Varilight |      | ELT        | OSRAM  |         |         | Tridonic |
| Certaline 60 | Certaline 105 | Certaline 150 | Primaline 70 | Primaline 105 | Primaline 150 | YT50      | YT50 | TCE 6/23-E | HTM 70 | HTM 105 | HTM 150 | VIPER    |
| 1-2          | 1-3           | 1-4           | 1-2          | 1-3           | 1-4           | 1         | 1    | 1-2        | 1-2    | 1-3     |         | 1-2      |
| 1-2          | 1-3           | 1-4           | 1-2          | 1-3           |               | 1         | 1    | 1-2        | 1-2    | 1-3     |         | 1-2      |
| 1-2          | 1-3           | 1-4           | 1-2          | 1-3           | 1-4           | 1         | 1    | 1-2        | 1-2    | 1-3     |         | 1-2      |
|              |               |               |              |               |               |           |      |            |        |         |         | 1-2      |
| 1-2          | 1-3           | 1-4           | 1-2          | 1-3           |               | 1         | 1    |            | 1-2    | 1-3     |         |          |
| 1-2          | 1-3           | 1-4           | 1-2          | 1-3           | 1-4           | 1         | 1    | 1-2        | 1-2    | 1-3     |         | 1-2      |
|              |               |               |              |               |               |           |      |            |        |         |         | 1-2      |
|              |               |               |              |               |               |           |      |            |        |         |         | 1-2      |
|              | 1-3           | 1-4           |              |               |               |           |      |            | 1-2    | 1-3     |         | 1-2      |
|              |               |               |              |               |               |           |      |            | 1-2    | 1-3     |         | 1-2      |
|              |               |               |              |               |               |           |      |            | 1-2    | 1-3     |         | 1-2      |
|              |               |               |              |               |               |           |      |            | 1-2    | 1-3     |         | 1-2      |
|              |               |               |              |               |               |           |      |            | 1-2    | 1-3     |         | 1-2      |
|              |               |               |              |               |               |           |      |            | 1-2    | 1-3     |         | 1-2      |
|              |               |               |              |               |               |           |      |            | 1-2    | 1-3     |         | 1-2      |



**LED 50W MR16 DIM  
9290019043**

| Brand  | Model                       | Watt         |           |
|--------|-----------------------------|--------------|-----------|
| Dimmer | Busch Jaeger                | 6513 U-102   | 40 - 420  |
|        | Gira                        | 1176         | 50 - 420  |
|        | Merten (Schneider)          | 5771         | 20 - 315W |
|        | Doyle & Tratt (Varilight)   | HQ3W         | 60 - 400  |
|        | Insta Group (Berker)        | 283010       | 60 - 400  |
|        | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360  |
|        | Legrand                     | 067081       | 40 - 300  |
|        | Legrand                     | 067082       | 40 - 600  |
|        | Legrand                     | 067084       | 40 - 300  |
|        | Legrand (Bticino)           | L4407        | 60 - 250  |
|        | Schneider Electric          | 315GLE       | 20 - 315  |

| Transformer  |               |               |              |               |               |           |      |            |        |         |         |          |
|--------------|---------------|---------------|--------------|---------------|---------------|-----------|------|------------|--------|---------|---------|----------|
| Philips      |               |               |              |               |               | Varilight |      | ELT        | OSRAM  |         |         | Tridonic |
| Certaline 60 | Certaline 105 | Certaline 150 | Primaline 70 | Primaline 105 | Primaline 150 | YT50      | YT50 | TCE 6/23-E | HTM 70 | HTM 105 | HTM 150 | VIPER    |
| 1            | 1-2           | 1-3           | 1            | 1-2           | 1-3           | 1         |      | 1          |        | 1-2     | 1-3     | 1-2      |
|              | 1-2           |               | 1            | 1-2           | 1-3           | 1         |      | 1          |        | 1-2     | 1-3     | 1-2      |
| 1            | 1-2           | 1-3           | 1            | 1-2           | 1-3           | 1         |      | 1          |        | 1-2     | 1-3     | 1-2      |
| 1            | 1-2           | 1-3           | 1            | 1-2           | 1-3           | 1         |      |            |        | 1-2     | 1-3     | 1-2      |
| 1            | 1-2           | 1-3           | 1            | 1-2           | 1-3           | 1         |      | 1          |        | 1-2     | 1-3     | 1-2      |
|              | 1-2           | 1-3           |              | 1-2           | 1-3           | 1         |      | 1          |        | 1-2     | 1-3     | 1-2      |
|              | 1-2           | 1-3           |              | 1-2           | 1-3           | 1         |      |            |        |         | 1-3     | 1-2      |
|              |               |               |              |               |               |           |      |            |        |         |         |          |
|              | 1-2           | 1-3           | 1            | 1-2           | 1-3           | 1         |      | 1          |        | 1-2     | 1-3     | 1-2      |



**LED 35W MR16 DIM  
9290013274**



**LED 50W MR16 WG DIM  
9290020589**

| Brand    | Model                       | Watt         |          |
|----------|-----------------------------|--------------|----------|
| Dimmer   | Busch Jaeger                | 6513 U-102   | 40 - 420 |
|          | Gira                        | 1176         | 50 - 420 |
|          | Merten (Schneider)          | 5771         | 20 - 315 |
|          | Doyle & Tratt (Varilight)   | HQ3W         | 60 - 400 |
|          | Insta Group (Berker)        | 283010       | 60 - 400 |
|          | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360 |
|          | Legrand                     | 067081       | 40 - 300 |
|          | Legrand                     | 067082       | 40 - 600 |
|          | Legrand                     | 067084       | 40 - 300 |
|          | Legrand (Bticino)           | L4407        | 60 - 250 |
|          | Schneider Electric          | 315GLE       | 20 - 315 |
|          | Clipsal                     | 32E450UDM    | 0 - 450  |
|          |                             | 32E450TM     | 0 - 450  |
|          |                             | 32E2CFLDM    | 0 - 450  |
|          | HPM                         | Cat 400L     | 0 - 400  |
| Cat 400T |                             | 0 - 400      |          |
| PDL      | 624TMWH                     | 20 - 450     |          |
| KIWI     | K004U                       | 0 - 400      |          |
|          | K005T                       | 0 - 500      |          |

| Transformer  |               |               |              |               |               |           |      |            |        |         |         |          |
|--------------|---------------|---------------|--------------|---------------|---------------|-----------|------|------------|--------|---------|---------|----------|
| Philips      |               |               |              |               |               | Varilight |      | ELT        | OSRAM  |         |         | Tridonic |
| Certaline 60 | Certaline 105 | Certaline 150 | Primaline 70 | Primaline 105 | Primaline 150 | YT50      | YT50 | TCE 6/23-E | HTM 70 | HTM 105 | HTM 150 | VIPER    |
| 1            | 1-2           | 1-3           | 1            |               | 1-3           | 1         | 1    | 1          | 1      | 1-2     | 1-3     | 1-2      |
| 1            |               | 1-3           | 1            | 1-2           | 1-3           | 1         | 1    | 1          | 1      | 1-2     | 1-3     | 1-2      |
| 1            | 1-2           | 1-3           | 1            | 1-2           | 1-3           | 1         | 1    | 1          | 1      | 1-2     | 1-3     | 1-2      |
|              |               |               |              |               |               |           |      |            |        |         |         | 1-2      |
| 1            | 1-2           | 1-3           | 1            | 1-2           | 1-3           | 1         | 1    |            | 1      | 1-2     | 1-3     | 1-2      |
| 1            | 1-2           | 1-3           | 1            | 1-2           | 1-3           | 1         | 1    | 1          | 1      | 1-2     | 1-3     | 1-2      |
|              |               |               |              |               |               |           |      |            |        |         |         | 1-2      |
|              |               |               |              |               |               |           |      |            |        |         |         | 1-2      |
|              |               | 1-3           |              |               | 1-3           | 1         | 1    |            | 1      | 1-2     |         | 1-2      |
|              |               |               |              |               |               |           |      |            |        |         |         |          |
|              | 1-2           | 1-3           | 1            | 1-2           | 1-3           | 1         | 1    |            | 1      | 1-2     |         | 1-2      |
|              |               |               |              |               |               |           |      |            | 1      | 1-2     |         | 1-2      |
|              |               |               |              |               |               |           |      |            | 1      | 1-2     |         | 1-2      |
|              |               |               |              |               |               |           |      |            | 1      | 1-2     |         | 1-2      |
|              |               |               |              |               |               |           |      |            | 1      | 1-2     |         | 1-2      |
|              |               |               |              |               |               |           |      |            | 1      | 1-2     |         | 1-2      |

# Consumer dimmer transformer compatibility list LED Low Voltage range



## KEY

|               |   |
|---------------|---|
| <b>X - Y</b>  | Transformer is compatible with x - y lamp   |
| <b>Yellow</b> | Transformer is compatible but will not work according claimed specifications under all conditions |
| <b>Red</b>    | Transformer is not compatible and therefore will not comply according claimed specifications.     |
| <b>N.A.</b>   | Transformer lamp combination not applicable/relevant  |
| <b>T.B.D.</b> | Transformer lamp combination not tested   |

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**LED 20W G4 WW 12V Dim  
9290023894**

|                             | Transformer  |               |               |              |               |               |           |      |        |         |         |          |        |
|-----------------------------|--------------|---------------|---------------|--------------|---------------|---------------|-----------|------|--------|---------|---------|----------|--------|
|                             | Philips      |               |               |              |               |               | Varilight |      | OSRAM  |         |         | Tridonic | Aurora |
|                             | Certaline 60 | Certaline 105 | Certaline 150 | Primaline 70 | Primaline 105 | Primaline 150 | YT50      | YT50 | HTM 70 | HTM 105 | HTM 150 | VIPER    | AU-E60 |
| <b>Dimmer</b>               |              | 1-5           |               | 1-3          | 1-5           |               | 1-2       | 1-2  | 1-3    |         | 1-7     | 1-5      | 1      |
| Busch Jaeger                |              |               | 1-7           | 1-3          | 1-5           |               |           |      |        |         |         |          |        |
| Doyle & Tratt (Varilight)   |              |               |               |              |               |               |           |      |        |         |         |          |        |
| Insta Group (Berker)        | 1-3          | 1-5           | 1-7           | 1-3          | 1-5           | 1-7           | 1-2       | 1-2  |        | 1-5     | 1-7     |          | 1      |
| Insta Group (Berker/ Insta) |              |               |               |              |               |               |           |      |        |         |         |          |        |
| Legrand                     |              |               |               |              | 1-5           | 1-7           |           | 1-2  | 1-3    | 1-5     |         |          |        |
| Schneider Electric          |              |               |               |              | 1-5           |               | 1-2       | 1-2  |        |         |         |          |        |

## Notes:

- #1) Dimmers are tested with the number of LED light sources mentioned in the column "Dimming performance". A number of LED light sources outside the listed range may result in less optimal behavior. Although not specifically tested, some dimmers can be loaded with more light sources than specified in this document.
- #1a) Most (non-LED dedicated) dimmers can be loaded with LED light sources up to 20% of dimmer specified maximum power. Example: Dimmer 400W -> 20% = 80W, which means that e.g. up to 16 pcs 5W LED light sources can be connected.
- #1b) LED dimmers can be loaded up to the specified maximum dimmer power (Wattage).
- #2) Always study the packaging of LED light sources if these can be used in combination with occupancy/motion sensors.
- #3) Glowing means: when connected to a dimmer in its off-state, a LED light source may still emit a small, yet visible amount of light. This may e.g. occur if a low quantity of LED light sources is connected.
- #4) "Dimming range" color indications and criteria (all percentages relate to the LED light source full power):  
 Green cell: minimum dimming level is below 10% and maximum level at least 80%.  
 Yellow cell: minimum dimming level is between 10% and 20% (inclusive) and/or maximum level is below 80%.  
 Red cell: minimum dimming level is above 20%.  
 Grey cell: the dimmer - LED light source combination is not applicable.  
 White cell: no data available.
- #5) Various dimmer suppliers offer "active loads" to optimize dimming performance in case of light source-dimmer system issues. (e.g. Busch Jaeger Compensator 6596).
- #6) This list is based on measurements performed in a lab environment at nominal mains voltage, different mains voltages may result in a different dimming range.
- #7) Dimmer manufacturers may change the technical design of their dimmer without informing Philips / Signify. Such changes may affect the performance when used in combination with LED light sources.
- #8) In general Philips dimmable LED light sources can be dimmed with any type of dimmer (type R, RL, RC or RLC).
- #9) Mixed loads may give unexpected dimming behavior or even result in defects, for which Philips / Signify cannot be held responsible.
- #10) LED light source are dimmable across the indicated dimming range, but may exhibit minor flickering at distinct dim settings.
- #11) The information contained here is believed to be accurate at the time it was published, but is provided "AS IS".



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Data subject to change.