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Transformer and  
dimmer list  
Professional Q2 2017



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# Professional LED Low Voltage range

## Recommended Low Voltage Dimmer compatibility list - LED Lamps



### KEY

|        |   |
|--------|---|
| x-y    | 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.            |
| N.A.   | Transformer lamp combination not applicable/relevant  |
| T.B.D. | Transformer lamp combination not tested   |

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**Master LEDspot  
AR111 GU53 11-50W  
CRI80 24D**

| Transformer |              |               |         |               |         |              |               |         |               |         |
|-------------|--------------|---------------|---------|---------------|---------|--------------|---------------|---------|---------------|---------|
| Brand       | Philips      |               |         |               |         |              |               |         |               |         |
| Model       | Certaline 60 | Certaline 105 |         | Certaline 150 |         | Primaline 70 | Primaline 105 |         | Primaline 150 |         |
| Wattage     | 20 - 60W     | 50 - 150W     |         | 50 - 150W     |         | 20 - 70W     | 35 - 105W     |         | 50 - 150W     |         |
| Quantity    | 1 lamp       | 1 lamp        | 2 lamps | 1 lamp        | 2 lamps | 1 lamp       | 1 lamp        | 2 lamps | 1 lamp        | 2 lamps |

| Mode | TE | TE |  | TE |  | TE | LE & TE |  | LE & TE |  |
|------|----|----|--|----|--|----|---------|--|---------|--|
|------|----|----|--|----|--|----|---------|--|---------|--|

|  |      |      |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|------|------|
|  | pass | pass | pass | pass | pass | pass | pass | pass | pass | pass |
|--|------|------|------|------|------|------|------|------|------|------|

| Dimmer | Without dimmer              |              |           |
|--------|-----------------------------|--------------|-----------|
|        | Brand                       | Model        | Watt      |
| Dimmer | Busch Jaeger                | 6513 U-102   | 40 - 420W |
|        | Gira                        | 1176         | 50 - 420W |
|        | Merten (Schneider)          | 5771         | 20 - 315W |
|        | Insta Group (Berker)        | 283010       | 60 - 400W |
|        | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360W |
|        | Schneider Electric          | 315GLE       | 20 - 315W |

|     |            |           |            |            |           |           |           |           |           |            |
|-----|------------|-----------|------------|------------|-----------|-----------|-----------|-----------|-----------|------------|
| TE  | 35% - 98%  | 39% - 99% | 38% - 99%  | 39% - 99%  | 38% - 99% | 37% - 99% | 33% - 99% | 32% - 99% | 39% - 99% | 37% - 99%  |
| UNI | flicker    | flicker   | flicker    | flicker    | flicker   | flicker   | flicker   | flicker   | flicker   | flicker    |
| TE  | 45% - 99%  | 38% - 99% | 37% - 99%  | 36% - 99%  | 35% - 99% | 33% - 99% | 32% - 99% | 33% - 99% | 31% - 98% | 29% - 99%  |
| LE  | N.A.       | N.A.      | N.A.       | N.A.       | N.A.      | N.A.      | flicker   | flicker   | flicker   | flicker    |
| LE  | N.A.       | N.A.      | N.A.       | N.A.       | N.A.      | 31% - 99% | 29% - 99% | 31% - 99% | 29% - 99% | 28% - 100% |
| TE  | 38% - 100% | 37% - 99% | 38% - 100% | 34% - 100% | 32% - 99% | 29% - 99% | 28% - 99% | 22% - 99% | 23% - 99% | 22% - 99%  |

| Transformer |           |         |          |           |         |           |          |          |
|-------------|-----------|---------|----------|-----------|---------|-----------|----------|----------|
| Brand       | Varilight |         |          | OSRAM     |         |           | Tridonic |          |
| Model       | YT50      | YT70    | HTM 70   | HTM 105   |         | HTM 150   |          | VIPER    |
| Wattage     | 0 - 50W   | 0 - 70W | 20 - 70W | 35 - 105W |         | 50 - 150W |          | 20 - 60W |
| Quantity    | 1 lamp    | 1 lamp  | 1 lamp   | 1 lamp    | 2 lamps | 1 lamp    | 2 lamps  | 1 lamp   |

| Mode |  |  | LE & TE | LE & TE |  | LE & TE |  | LE & TE |
|------|--|--|---------|---------|--|---------|--|---------|
|------|--|--|---------|---------|--|---------|--|---------|

|  |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|
|  | pass | pass | pass | pass | pass | pass | pass | pass |
|--|------|------|------|------|------|------|------|------|

| Dimmer | Without dimmer              |              |           |
|--------|-----------------------------|--------------|-----------|
|        | Brand                       | Model        | Watt      |
| Dimmer | Busch Jaeger                | 6513 U-102   | 40 - 420W |
|        | Gira                        | 1176         | 50 - 420W |
|        | Merten (Schneider)          | 5771         | 20 - 315W |
|        | Insta Group (Berker)        | 283010       | 60 - 400W |
|        | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360W |
|        | Schneider Electric          | 315GLE       | 20 - 315W |

|     |           |            |           |           |           |           |           |           |
|-----|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| TE  | 19% - 99% | 22% - 99%  | flicker   | 32% - 99% | 33% - 99% | 29% - 99% | 28% - 99% | flicker   |
| UNI | 28% - 99% | 26% - 99%  | flicker   | 18% - 99% | 19% - 99% | flicker   | flicker   | flicker   |
| TE  | 27% - 99% | 23% - 100% | 23% - 99% | 19% - 99% | 21% - 99% | 34% - 99% | 33% - 99% | 38% - 99% |
| LE  | 19% - 99% | flicker    | flicker   | 9% - 99%  | 10% - 99% | flicker   | flicker   | flicker   |
| LE  | 24% - 99% | 19% - 99%  | flicker   | 10% - 99% | 9% - 99%  | 15% - 99% | 17% - 99% | 11% - 99% |
| TE  | 17% - 99% | 8% - 99%   | flicker   | 9% - 99%  | 8% - 99%  | 18% - 99% | 19% - 99% | 8% - 99%  |



**Master LEDspot  
AR111 GU53 11-50W  
CRI90**

| Transformer |              |               |               |              |               |               |           |         |          |           |           |
|-------------|--------------|---------------|---------------|--------------|---------------|---------------|-----------|---------|----------|-----------|-----------|
| Brand       | Philips      |               |               |              |               |               | Varilight |         | OSRAM    |           | Tridonic  |
| Model       | Certaline 60 | Certaline 105 | Certaline 150 | Primaline 70 | Primaline 105 | Primaline 150 | YT50      | YT70    | HTM 70   | HTM 105   | VIPER     |
| Wattage     | 20 - 60W     | 50 - 150W     | 50 - 150W     | 20 - 70W     | 35 - 105W     | 50 - 150W     | 0 - 50W   | 0 - 70W | 20 - 70W | 35 - 105W | 50 - 150W |
| Quantity    | 1 lamp       | 1 lamp        | 1 lamp        | 1 lamp       | 1 lamp        | 1 lamp        | 1 lamp    | 1 lamp  | 1 lamp   | 1 lamp    | 1 lamp    |

| Mode | TE | TE | TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE |
|------|----|----|----|---------|---------|---------|---------|---------|---------|---------|---------|
|------|----|----|----|---------|---------|---------|---------|---------|---------|---------|---------|

|  |      |      |      |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|------|------|------|
|  | pass | pass | pass | pass | pass | pass | pass | pass | pass | pass | pass |
|--|------|------|------|------|------|------|------|------|------|------|------|

| Dimmer | Without dimmer              |              |           |
|--------|-----------------------------|--------------|-----------|
|        | Brand                       | Model        | Watt      |
| Dimmer | Busch Jaeger                | 6513 U-102   | 40 - 420W |
|        | Gira                        | 1176         | 50 - 420W |
|        | Merten (Schneider)          | 5771         | 20 - 315W |
|        | Insta Group (Berker)        | 283010       | 60 - 400W |
|        | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360W |
|        | Schneider Electric          | 315GLE       | 20 - 315W |

|     |      |      |      |    |    |    |    |    |    |    |    |
|-----|------|------|------|----|----|----|----|----|----|----|----|
| TE  | OK   | OK   | OK   |    |    | OK | OK | OK |    |    |    |
| UNI |      |      |      |    |    |    | OK | OK |    |    |    |
| TE  | OK   | OK   | OK   | OK | OK | OK | OK | OK | OK | OK | OK |
| LE  | N.A. | N.A. | N.A. |    |    |    | OK |    |    | OK |    |
| LE  | N.A. | N.A. | N.A. | OK | OK |    | OK | OK |    | OK | OK |
| TE  |      |      |      |    |    |    | OK | OK |    | OK | OK |

# Professional LED Low Voltage range

## Recommended Low Voltage Dimmer compatibility list - LED Lamps



### KEY

|        |   |
|--------|---|
| x-y    | 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.            |
| N.A.   | Transformer lamp combination not applicable/relevant  |
| T.B.D. | Transformer lamp combination not tested   |

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**Master LEDspot  
AR111 GU53  
11-50W 8D**

| Brand    | Transformer  |               |               |              |               |               |           |        |        |         |          |
|----------|--------------|---------------|---------------|--------------|---------------|---------------|-----------|--------|--------|---------|----------|
|          | Philips      |               |               |              |               |               | Varilight |        | OSRAM  |         | Tridonic |
| Model    | Certaline 60 | Certaline 105 | Certaline 150 | Primaline 70 | Primaline 105 | Primaline 150 | YT50      | YT70   | HTM 70 | HTM 105 | VIPER    |
| Wattage  | ??           | ??            | ??            | ??           | ??            | ??            | ??        | ??     | ??     | ??      | ??       |
| Quantity | 1 lamp       | 1 lamp        | 1 lamp        | 1 lamp       | 1 lamp        | 1 lamp        | 1 lamp    | 1 lamp | 1 lamp | 1 lamp  | 1 lamp   |

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

| Mode | TE      | TE      | TE      | LE & TE | LE & TE | LE & TE |          |          | LE & TE | LE & TE  | LE & TE |
|------|---------|---------|---------|---------|---------|---------|----------|----------|---------|----------|---------|
| TE   | 39%-99% | 45%-99% | 42%-99% | flicker | 37%-99% | 47%-98% | 15%-99%  | 21%-99%  | flicker | 33%-98%  | flicker |
| UNI  | flicker | flicker | flicker | flicker | flicker | flicker | 36%-99%  | 29%-99%  | flicker | 16%-99%  | flicker |
| TE   | 48%-99% | 35%-99% | 29%-99% | 24%-98% | 29%-98% | 35%-98% | 27%-99%  | 24%-99%  | 21%-98% | 18%-99%  | 37%-99% |
| LE   | flicker | flicker | flicker | flicker | flicker | flicker | flicker  | flicker  | flicker | flicker  | flicker |
| LE   | 9%-96%  | 8%-98%  | flicker | flicker | flicker | flicker | 15%-99%  | 15%-99%  | flicker | 8%-99%   | flicker |
| LE   | 29%-96% | 30%-98% | 1%-100% | 6%-99%  | 16%-99% | flicker | 21%-99%  | 18%-99%  | flicker | 12%-100% | 9%-99%  |
| LE   | flicker | flicker | flicker | flicker | flicker | flicker | flicker  | flicker  | flicker | flicker  | flicker |
| LE   | flicker | flicker | flicker | flicker | flicker | flicker | flicker  | flicker  | flicker | flicker  | flicker |
| LE   | flicker | flicker | flicker | flicker | flicker | flicker | flicker  | flicker  | flicker | flicker  | flicker |
| TE   | flicker | flicker | flicker | flicker | flicker | flicker | 60%-100% | 60%-100% | flicker | flicker  | flicker |
| TE   | 47%-99% | 38%-99% | flicker | flicker | 25%-99% | flicker | 6%-100%  | 5%-99%   | flicker | 6%-99%   | 1%-100% |



**Master LEDspot  
LV AR111 GU53  
15-75W 24D**

| Brand    | Transformer  |               |        |               |              |               |               |           |        |        |
|----------|--------------|---------------|--------|---------------|--------------|---------------|---------------|-----------|--------|--------|
|          | Philips      |               |        |               |              |               |               |           |        |        |
| Model    | Certaline 60 | Certaline 105 |        | Certaline 150 | Primaline 70 | Primaline 105 | Primaline 150 |           |        |        |
| Wattage  | 20 - 60W     | 50 - 150W     |        | 50 - 150W     | 20 - 70W     | 35 - 105W     |               | 50 - 150W |        |        |
| Quantity | 1 lamp       | 1 lamp        | 2 lamp | 1 lamp        | 2 lamp       | 1 lamp        | 1 lamp        | 2 lamp    | 1 lamp | 2 lamp |

| Dimmer                      | Brand  | Model        | Watt       |
|-----------------------------|--------|--------------|------------|
|                             | Dimmer | Busch Jaeger | 6513 U-102 |
| Gira                        |        | 1176         | 50 - 420W  |
| Merten (Schneider)          |        | 5771         | 20 - 315W  |
| Doyle & Tratt (Varilight)   |        | HQ3W         | 60 - 400W  |
| Insta Group (Berker)        |        | 283010       | 60 - 400W  |
| Insta Group (Berker/ Insta) |        | 286710/51190 | 20 - 360W  |
| Legrand                     |        | 67081        | 40 - 300W  |
| Legrand                     |        | 67082        | 40 - 600W  |
| Legrand (Bticino)           |        | L4407        | 60 - 250W  |
| Schneider Electric          |        | 315GLE       | 20 - 315W  |

| Mode | TE      | TE        | TE   | LE & TE   | LE & TE   | LE & TE   | LE & TE   | LE & TE | LE & TE   | LE & TE   |
|------|---------|-----------|------|-----------|-----------|-----------|-----------|---------|-----------|-----------|
|      | N.A.    | pass      | N.A. | pass      | pass      | pass      | pass      | N.A.    | pass      | pass      |
| TE   | N.A.    | 35% - 99% | N.A. | flicker   | 38% - 99% | 41% - 99% | flicker   | N.A.    | flicker   | flicker   |
| UNI  | flicker | flicker   | N.A. | flicker   | flicker   | flicker   | flicker   | N.A.    | flicker   | flicker   |
| TE   | N.A.    | 44%-100%  | N.A. | 47% - 99% | 43%-100%  | 42% - 99% | 42%-100%  | N.A.    | 43%-100%  | 41%-100%  |
| LE   | N.A.    | N.A.      | N.A. | N.A.      | N.A.      |           |           | N.A.    |           |           |
| LE   | N.A.    | N.A.      | N.A. | N.A.      | N.A.      | flicker   | flicker   | N.A.    | flicker   | flicker   |
| LE   | N.A.    | N.A.      | N.A. | N.A.      | N.A.      | 27% - 99% | 26% - 99% | N.A.    | 29%-100%  | 28% - 99% |
| LE   | N.A.    | N.A.      | N.A. | N.A.      | N.A.      |           |           | N.A.    |           |           |
| LE   | N.A.    | N.A.      | N.A. | N.A.      | N.A.      |           |           | N.A.    |           |           |
| TE   |         |           | N.A. |           |           |           |           | N.A.    |           |           |
| TE   | N.A.    | flicker   | N.A. | 41%-100%  | 37% - 99% | flicker   | flicker   | N.A.    | 55% - 99% | flicker   |

| Brand    | Transformer |         |          |           |         |           |          |
|----------|-------------|---------|----------|-----------|---------|-----------|----------|
|          | Varilight   |         | OSRAM    |           |         | Tridonic  |          |
| Model    | YT50        | YT70    | HTM 70   | HTM 105   | HTM 150 | VIPER     |          |
| Wattage  | 0 - 50W     | 0 - 70W | 20 - 70W | 35 - 105W |         | 50 - 150W | 20 - 60W |
| Quantity | 1 lamp      | 1 lamp  | 1 lamp   | 1 lamp    | 2 lamp  | 1 lamp    | 2 lamp   |

| Dimmer                      | Brand  | Model        | Watt       |
|-----------------------------|--------|--------------|------------|
|                             | Dimmer | Busch Jaeger | 6513 U-102 |
| Gira                        |        | 1176         | 50 - 420W  |
| Merten (Schneider)          |        | 5771         | 20 - 315W  |
| Doyle & Tratt (Varilight)   |        | HQ3W         | 60 - 400W  |
| Insta Group (Berker)        |        | 283010       | 60 - 400W  |
| Insta Group (Berker/ Insta) |        | 286710/51190 | 20 - 360W  |
| Legrand                     |        | 67081        | 40 - 300W  |
| Legrand                     |        | 67082        | 40 - 600W  |
| Legrand (Bticino)           |        | L4407        | 60 - 250W  |
| Schneider Electric          |        | 315GLE       | 20 - 315W  |

| Mode |      |           | LE & TE   | LE & TE   | LE & TE | LE & TE   |
|------|------|-----------|-----------|-----------|---------|-----------|
|      | N.A. | pass      | pass      | pass      | N.A.    | pass      |
| TE   | N.A. | 41% - 99% | flicker   | flicker   | N.A.    | 39% - 99% |
| UNI  | N.A. | 34% - 99% | 29% - 99% | 33% - 99% | N.A.    | flicker   |
| TE   | N.A. | 39% - 99% | 33% - 99% | 29% - 99% | N.A.    | 42% - 99% |
| LE   |      |           |           |           | N.A.    | 44%-100%  |
| LE   | N.A. | 31%-100%  | flicker   | 6%-100%   | N.A.    | flicker   |
| LE   | N.A. | 24%-100%  | 18% - 99% | 11% - 99% | N.A.    | 10% - 99% |
| LE   |      |           |           |           | N.A.    | 15% - 99% |
| LE   |      |           |           |           | N.A.    | 9% - 99%  |
| TE   |      |           |           |           | N.A.    |           |
| TE   | N.A. | 46% - 99% | 44% - 99% | 47% - 99% | N.A.    | flicker   |



# Professional LED Low Voltage range

## Recommended Low Voltage Dimmer compatibility list - LED Lamps



### KEY

|        |   |
|--------|---|
| x-y    | 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.            |
| N.A.   | Transformer lamp combination not applicable/relevant  |
| T.B.D. | Transformer lamp combination not tested   |

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**Master LEDspot  
LV AR111 GU5.3  
15-75W CRI90**

| Transformer |              |               |               |              |               |               |           |         |          |           |           |
|-------------|--------------|---------------|---------------|--------------|---------------|---------------|-----------|---------|----------|-----------|-----------|
| Brand       | Philips      |               |               |              |               |               | Varilight |         | OSRAM    |           | Tridonic  |
| Model       | Certaline 60 | Certaline 105 | Certaline 150 | Primaline 70 | Primaline 105 | Primaline 150 | YT50      | YT70    | HTM 70   | HTM 105   | VIPER     |
| Wattage     | 20 - 60W     | 35 - 105W     | 50 - 150W     | 20 - 70W     | 35 - 105W     | 50 - 150W     | 0 - 50W   | 0 - 70W | 20 - 70W | 35 - 105W | 50 - 150W |
| Quantity    | 1 lamp       | 1 lamp        | 1 lamp        | 1 lamp       | 1 lamp        | 1 lamp        | 1 lamp    | 1 lamp  | 1 lamp   | 1 lamp    | 1 lamp    |

| Mode | TE | TE | TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE |
|------|----|----|----|---------|---------|---------|---------|---------|---------|---------|---------|
|------|----|----|----|---------|---------|---------|---------|---------|---------|---------|---------|

|  |      |    |    |    |    |    |    |    |    |    |    |
|--|------|----|----|----|----|----|----|----|----|----|----|
|  | N.A. | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK |
|--|------|----|----|----|----|----|----|----|----|----|----|

| Dimmer | Without dimmer              |              |           |
|--------|-----------------------------|--------------|-----------|
|        | Brand                       | Model        | Watt      |
| Dimmer | Busch Jaeger                | 6513 U-102   | 40 - 420W |
|        | Gira                        | 1176         | 50 - 420W |
|        | Merten (Schneider)          | 5771         | 20 - 315W |
|        | Insta Group (Berker)        | 283010       | 60 - 400W |
|        | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360W |
|        | Schneider Electric          | 315GLE       | 20 - 315W |

|     |      |      |      |    |    |    |    |    |    |    |    |
|-----|------|------|------|----|----|----|----|----|----|----|----|
| TE  | N.A. | OK   | OK   | OK |    |    | OK | OK |    |    |    |
| UNI | N.A. |      |      |    |    |    | OK |    |    | OK |    |
| TE  | N.A. | OK   | OK   |    | OK | OK | OK | OK | OK | OK | OK |
| LE  | N.A. | N.A. | N.A. |    |    |    | OK |    |    | OK |    |
| LE  | N.A. | N.A. | N.A. | OK | OK | OK | OK | OK |    | OK | OK |
| TE  |      | OK   | OK   |    |    |    | OK | OK |    | OK | OK |



**Master LEDspot  
LV AR111 GU5.3  
20-100W 24D**

| Transformer |              |               |        |               |              |               |        |               |        |        |  |  |
|-------------|--------------|---------------|--------|---------------|--------------|---------------|--------|---------------|--------|--------|--|--|
| Brand       | Philips      |               |        |               |              |               |        |               |        |        |  |  |
| Model       | Certaline 60 | Certaline 105 |        | Certaline 150 | Primaline 70 | Primaline 105 |        | Primaline 150 |        |        |  |  |
| Wattage     | 20 - 60W     | 35 - 105W     |        | 50 - 150W     | 20 - 70W     | 35 - 105W     |        | 50 - 150W     |        |        |  |  |
| Quantity    | 1 lamp       | 1 lamp        | 2 lamp | 1 lamp        | 2 lamp       | 1 lamp        | 1 lamp | 2 lamp        | 1 lamp | 2 lamp |  |  |

| Mode | TE | TE | TE | LE & TE | LE & TE | LE & TE |
|------|----|----|----|---------|---------|---------|
|------|----|----|----|---------|---------|---------|

|  |      |      |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|------|------|
|  | N.A. | pass | N.A. | pass | N.A. | N.A. | pass | N.A. | pass | N.A. |
|--|------|------|------|------|------|------|------|------|------|------|

| Dimmer | Without dimmer              |              |           |
|--------|-----------------------------|--------------|-----------|
|        | Brand                       | Model        | Watt      |
| Dimmer | Busch Jaeger                | 6513 U-102   | 40 - 420W |
|        | Gira                        | 1176         | 50 - 420W |
|        | Merten (Schneider)          | 5771         | 20 - 315W |
|        | Doyle & Tratt (Varilight)   | HQ3W         | 60 - 400W |
|        | Insta Group (Berker)        | 283010       | 60 - 400W |
|        | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360W |
|        | Legrand                     | 67081        | 40 - 300W |
|        | Legrand                     | 67082        | 40 - 600W |
|        | Legrand (Bticino)           | L4407        | 60 - 250W |
|        | Schneider Electric          | 315GLE       | 20 - 315W |

|     |         |           |      |           |      |         |           |      |           |      |
|-----|---------|-----------|------|-----------|------|---------|-----------|------|-----------|------|
| TE  | N.A.    | 32% - 99% | N.A. | flicker   | N.A. | N.A.    | flicker   | N.A. | flicker   | N.A. |
| UNI | flicker | flicker   | N.A. | flicker   | N.A. | flicker | flicker   | N.A. | flicker   | N.A. |
| TE  | N.A.    | 44%-100%  | N.A. | 47% - 99% | N.A. | N.A.    | 42%-100%  | N.A. | 43%-100%  | N.A. |
| LE  | N.A.    | N.A.      | N.A. | N.A.      | N.A. |         |           | N.A. |           | N.A. |
| LE  | N.A.    | N.A.      | N.A. | N.A.      | N.A. | flicker | flicker   | N.A. | flicker   | N.A. |
| LE  | N.A.    | N.A.      | N.A. | N.A.      | N.A. | N.A.    | 26% - 99% | N.A. | 26%-100%  | N.A. |
| LE  | N.A.    | N.A.      | N.A. | N.A.      | N.A. |         |           | N.A. |           | N.A. |
| LE  | N.A.    | N.A.      | N.A. | N.A.      | N.A. |         |           | N.A. |           | N.A. |
| TE  |         |           | N.A. |           |      |         |           | N.A. |           | N.A. |
| TE  | N.A.    | flicker   | N.A. | 39%-100%  | N.A. | flicker | flicker   | N.A. | 53% - 99% | N.A. |

| Transformer |           |         |          |           |        |           |          |          |  |
|-------------|-----------|---------|----------|-----------|--------|-----------|----------|----------|--|
| Brand       | Varilight |         | OSRAM    |           |        |           | Tridonic |          |  |
| Model       | YT50      | YT70    | HTM 70   | HTM 105   |        | HTM 150   |          | VIPER    |  |
| Wattage     | 0 - 50W   | 0 - 70W | 20 - 70W | 35 - 105W |        | 50 - 150W |          | 20 - 60W |  |
| Quantity    | 1 lamp    | 1 lamp  | 1 lamp   | 1 lamp    | 2 lamp | 1 lamp    | 2 lamp   | 1 lamp   |  |

| Mode |  |  | LE & TE | LE & TE | LE & TE | LE & TE |
|------|--|--|---------|---------|---------|---------|
|------|--|--|---------|---------|---------|---------|

|  |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|
|  | N.A. | N.A. | N.A. | pass | N.A. | pass | N.A. | N.A. |
|--|------|------|------|------|------|------|------|------|

| Dimmer | Without dimmer              |              |           |
|--------|-----------------------------|--------------|-----------|
|        | Brand                       | Model        | Watt      |
| Dimmer | Busch Jaeger                | 6513 U-102   | 40 - 420W |
|        | Gira                        | 1176         | 50 - 420W |
|        | Merten (Schneider)          | 5771         | 20 - 315W |
|        | Doyle & Tratt (Varilight)   | HQ3W         | 60 - 400W |
|        | Insta Group (Berker)        | 283010       | 60 - 400W |
|        | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360W |
|        | Legrand                     | 67081        | 40 - 300W |
|        | Legrand                     | 67082        | 40 - 600W |
|        | Legrand (Bticino)           | L4407        | 60 - 250W |
|        | Schneider Electric          | 315GLE       | 20 - 315W |

|     |      |      |         |           |      |           |      |      |
|-----|------|------|---------|-----------|------|-----------|------|------|
| TE  | N.A. | N.A. | flicker | flicker   | N.A. | 37% - 99% | N.A. | N.A. |
| UNI | N.A. | N.A. | N.A.    | 32% - 99% | N.A. | flicker   | N.A. | N.A. |
| TE  | N.A. | N.A. | N.A.    | 29% - 99% | N.A. | 43% - 99% | N.A. | N.A. |
| LE  |      |      |         |           | N.A. |           | N.A. |      |
| LE  | N.A. | N.A. | flicker | 6% - 99%  | N.A. | flicker   | N.A. | N.A. |
| LE  | N.A. | N.A. | N.A.    | 13% - 99% | N.A. | 5% - 99%  | N.A. | N.A. |
| LE  |      |      |         |           | N.A. |           | N.A. |      |
| LE  |      |      |         |           | N.A. |           | N.A. |      |
| TE  |      |      |         |           | N.A. |           | N.A. |      |
| TE  | N.A. | N.A. | N.A.    | 43% - 99% | N.A. | flicker   | N.A. | N.A. |

# Professional LED Low Voltage range

## Recommended Low Voltage Dimmer compatibility list - LED Lamps



### KEY

|        |   |
|--------|---|
| x-y    | 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.            |
| N.A.   | Transformer lamp combination not applicable/relevant  |
| T.B.D. | Transformer lamp combination not tested   |

*This document is for information purposes and must be treated as recommendation. Philips attempted to provide best results, results are generated in lab controlled environment and may differ from actual application conditions*



**Master LEDspot  
LV AR111 GU53  
20-100W CR190**

| Transformer |              |               |               |              |               |               |           |         |          |           |           |
|-------------|--------------|---------------|---------------|--------------|---------------|---------------|-----------|---------|----------|-----------|-----------|
| Brand       | Philips      |               |               |              |               |               | Varilight |         | OSRAM    |           | Tridonic  |
| Model       | Certaline 60 | Certaline 105 | Certaline 150 | Primaline 70 | Primaline 105 | Primaline 150 | YT50      | YT70    | HTM 70   | HTM 105   | VIPER     |
| Wattage     | 20 - 60W     | 35 - 105W     | 50 - 150W     | 20 - 70W     | 35 - 105W     | 50 - 150W     | 0 - 50W   | 0 - 70W | 20 - 70W | 35 - 105W | 50 - 150W |
| Quantity    | 1 lamp       | 1 lamp        | 1 lamp        | 1 lamp       | 1 lamp        | 1 lamp        | 1 lamp    | 1 lamp  | 1 lamp   | 1 lamp    | 1 lamp    |

| Mode | TE   | TE | TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE |
|------|------|----|----|---------|---------|---------|---------|---------|---------|---------|---------|
|      | N.A. | OK | OK | N.A.    | OK      | OK      | N.A.    | N.A.    | N.A.    | OK      | OK      |

| Dimmer | Brand                       | Model        | Watt       |
|--------|-----------------------------|--------------|------------|
|        |                             | Busch Jaeger | 6513 U-102 |
|        | Gira                        | 1176         | 50 - 420W  |
|        | Merten (Schneider)          | 5771         | 20 - 315W  |
|        | Insta Group (Berker)        | 283010       | 60 - 400W  |
|        | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360W  |
|        | Schneider Electric          | 315GLE       | 20 - 315W  |

|     |      |      |      |      |    |    |      |      |      |    |    |
|-----|------|------|------|------|----|----|------|------|------|----|----|
| TE  | N.A. | OK   | OK   | N.A. |    | OK | N.A. | N.A. | N.A. | OK | OK |
| UNI | N.A. |      | OK   | N.A. |    | OK | N.A. | N.A. | N.A. | OK | OK |
| TE  | N.A. | OK   | OK   | N.A. | OK |    | N.A. | N.A. | N.A. | OK | OK |
| LE  | N.A. | N.A. | N.A. | N.A. |    |    | N.A. | N.A. | N.A. | OK | OK |
| LE  | N.A. | N.A. | N.A. | N.A. |    | OK | N.A. | N.A. | N.A. |    | OK |
| TE  | N.A. |      |      | N.A. |    | OK | N.A. | N.A. | N.A. | OK | OK |



**Master LEDspot  
LV MR16 6.5W  
(35W) DimTone**

| Transformer |              |               |         |         |               |         |         |              |               |         |         |               |         |         |
|-------------|--------------|---------------|---------|---------|---------------|---------|---------|--------------|---------------|---------|---------|---------------|---------|---------|
| Brand       | Philips      |               |         |         |               |         |         |              |               |         |         |               |         |         |
| Model       | Certaline 60 | Certaline 105 |         |         | Certaline 150 |         |         | Primaline 70 | Primaline 105 |         |         | Primaline 150 |         |         |
| Wattage     | 20 - 60W     | 1 lamp        | 2 lamps | 3 lamps | 1 lamp        | 2 lamps | 3 lamps | 1 lamp       | 1 lamp        | 2 lamps | 3 lamps | 1 lamp        | 2 lamps | 3 lamps |
| Quantity    | 1 lamp       | 1 lamp        | 2 lamps | 3 lamps | 1 lamp        | 2 lamps | 3 lamps | 1 lamp       | 1 lamp        | 2 lamps | 3 lamps | 1 lamp        | 2 lamps | 3 lamps |

| Mode | TE | TE |  |  | TE |  |  | LE & TE | LE & TE |  |  | LE & TE |  |  |
|------|----|----|--|--|----|--|--|---------|---------|--|--|---------|--|--|
|------|----|----|--|--|----|--|--|---------|---------|--|--|---------|--|--|

| Dimmer             | Brand                       | Model        | Watt      |
|--------------------|-----------------------------|--------------|-----------|
|                    | Busch Jaeger                | 6513 U-102   | 40 - 420W |
|                    | Gira                        | 1176         | 50 - 420W |
|                    | Merten (Schneider)          | 5771         | 20 - 315W |
|                    | Doyle & Tratt (Varilight)   | HQ3W         | 60 - 400W |
|                    | Insta Group (Berker)        | 283010       | 60 - 400W |
|                    | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360W |
|                    | Legrand                     | 067081       | 40 - 300W |
|                    | Legrand                     | 067082       | 40 - 600W |
|                    | Legrand                     | 067084       | 40 - 300W |
| Legrand (Bticino)  | L4407                       | 60 - 250W    |           |
| Schneider Electric | 315GLE                      | 20 - 315W    |           |
| Vimar              | 14153                       |              |           |

|     |         |           |          |          |          |          |          |         |         |         |          |         |          |          |
|-----|---------|-----------|----------|----------|----------|----------|----------|---------|---------|---------|----------|---------|----------|----------|
| TE  | 24%-98% | can't dim | 19%-100% | 17%-99%  | 15%-100% | 16%-99%  | 17%-99%  | 16%-99% | 18%-99% | 16%-99% | 15%-100% | 16%-99% | 17%-99%  | 18%-100% |
| UNI | 18%-99% | can't dim | 17%-99%  | 16%-99%  | 17%-99%  | 15%-99%  | 16%-99%  | flicker | 16%-99% | 15%-99% | 16%-99%  | 17%-99% | 14%-100% | 16%-99%  |
| TE  | 41%-99% | can't dim | 35%-100% | 31%-99%  | 29%-99%  | 28%-100% | 27%-99%  | 20%-99% | 24%-99% | 21%-98% | 20%-99%  | 21%-98% | 20%-99%  | 21%-99%  |
| LE  | flicker | can't dim | 12%-99%  | 14%-99%  | 14%-99%  | 14%-98%  | 14%-99%  | 3%-99%  | 2%-99%  | 2%-100% | 3%-99%   | 4%-99%  | 2%-100%  | 3%-99%   |
| LE  | flicker | can't dim | 12%-100% | 11%-100% | 11%-99%  | 12%-99%  | 12%-100% | 3%-99%  | 4%-99%  | 3%-99%  | 4%-98%   | 3%-99%  | 4%-99%   | 2%-100%  |
| LE  | 19%-99% | can't dim | 14%-99%  | 12%-99%  | 12%-99%  | 12%-100% | 11%-99%  | 4%-99%  | 5%-100% | 4%-99%  | 2%-100%  | 4%-99%  | 3%-99%   | 5%-100%  |
| LE  | flicker | can't dim | 10%-99%  | 11%-100% | flicker  | 9%-99%   | 11%-99%  | flicker | flicker | 8%-99%  | 5%-99%   | flicker | 5%-99%   | 5%-99%   |
| LE  | flicker | can't dim | 14%-99%  | 13%-99%  | flicker  | 10%-99%  | 11%-100% | flicker | flicker | 5%-99%  | 4%-98%   | flicker | 4%-98%   | 4%-99%   |
| LE  | flicker | can't dim | flicker  | flicker  | flicker  | flicker  | flicker  | flicker | flicker | flicker | flicker  | flicker | flicker  | flicker  |
| LE  | flicker | can't dim | flicker  | flicker  | flicker  | flicker  | flicker  | flicker | flicker | flicker | flicker  | flicker | flicker  | flicker  |
| TE  | flicker | can't dim | 12%-99%  | 11%-99%  | 11%-99%  | 12%-100% | 11%-98%  | flicker | flicker | 3%-99%  | 4%-98%   | flicker | 5%-99%   | 3%-99%   |
|     | 2%-99%  | can't dim | 10%-99%  | 12%-99%  | 12%-99%  | 12%-98%  | 12%-99%  | 3%-100% | 3%-99%  | 2%-99%  | 3%-100%  | 2%-99%  | 3%-99%   | 4%-98%   |

**Master LEDspot  
LV MR16 6.5W  
(35W) DimTone**

| Transformer |           |         |          |           |         |           |        |          |  |  |
|-------------|-----------|---------|----------|-----------|---------|-----------|--------|----------|--|--|
| Brand       | Varilight |         | OSRAM    |           |         |           |        | Tridonic |  |  |
| Model       | YT50      | YT70    | HTM 70   | HTM 105   |         | HTM 150   |        | VIPER    |  |  |
| Wattage     | 0 - 50W   | 0 - 70W | 20 - 70W | 35 - 105W |         | 50 - 150W |        | 20 - 60W |  |  |
| Quantity    | 1 lamp    | 1 lamp  | 1 lamp   | 1 lamp    | 2 lamps | 3 lamps   | 1 lamp | 2 lamps  |  |  |

| Mode | LE & TE | LE & TE | LE & TE | LE & TE |  |  | LE & TE |  | LE & TE |
|------|---------|---------|---------|---------|--|--|---------|--|---------|
|------|---------|---------|---------|---------|--|--|---------|--|---------|

| Dimmer             | Brand                       | Model        | Watt      |
|--------------------|-----------------------------|--------------|-----------|
|                    | Busch Jaeger                | 6513 U-102   | 40 - 420W |
|                    | Gira                        | 1176         | 50 - 420W |
|                    | Merten (Schneider)          | 5771         | 20 - 315W |
|                    | Doyle & Tratt (Varilight)   | HQ3W         | 60 - 400W |
|                    | Insta Group (Berker)        | 283010       | 60 - 400W |
|                    | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360W |
|                    | Legrand                     | 067081       | 40 - 300W |
|                    | Legrand                     | 067082       | 40 - 600W |
|                    | Legrand                     | 067084       | 40 - 300W |
|                    | Legrand (Bticino)           | L4407        | 60 - 250W |
| Schneider Electric | 315GLE                      | 20 - 315W    |           |
| Vimar              | 14153                       |              |           |

|     |          |          |          |         |          |         |         |         |         |          |
|-----|----------|----------|----------|---------|----------|---------|---------|---------|---------|----------|
| TE  | 20%-100% | 17%-99%  | 13%-99%  | 14%-99% | 14%-100% | 16%-99% | 13%-99% | 15%-99% | 17%-99% | 21%-99%  |
| UNI | 19%-100% | 18%-99%  | 14%-100% | 15%-99% | 16%-99%  | 13%-98% | 14%-99% | 15%-99% | 14%-98% | 11%-100% |
| TE  | 23%-99%  | 21%-99%  | 18%-99%  | 19%-99% | 16%-99%  | 15%-99% | 14%-99% | 14%-98% | 13%-98% | 26%-99%  |
| LE  | flicker  | flicker  | 4%-99%   | 5%-99%  | 3%-99%   | 4%-99%  | 3%-99%  | 4%-99%  | 2%-99%  | 5%-99%   |
| LE  | 14%-100% | 16%-99%  | 4%-100%  | 4%-99%  | 3%-100%  | 4%-98%  | 2%-98%  | 3%-99%  | 3%-98%  | 4%-99%   |
| LE  | 15%-100% | 14%-100% | 5%-99%   | 6%-99%  | 5%-99%   | 4%-99%  | 4%-98%  | 3%-99%  | 3%-99%  | 6%-100%  |
| LE  | flicker  | flicker  | flicker  | flicker | 4%-99%   | 3%-99%  | flicker | 5%-99%  | 4%-100% | flicker  |
| LE  | flicker  | flicker  | flicker  | flicker | 3%-99%   | 2%-99%  | flicker | 4%-99%  | 3%-99%  | flicker  |
| LE  | 10%-100% | 8%-99%   | flicker  | flicker | flicker  | flicker | flicker | flicker | flicker | flicker  |
| LE  | flicker  | flicker  | flicker  | flicker | flicker  | flicker | flicker | flicker | flicker | flicker  |
| TE  | 7%-100%  | 6%-99%   | 8%-99%   | 9%-99%  | 7%-99%   | 8%-99%  | 6%-99%  | 4%-98%  | 5%-99%  | 6%-98%   |
|     | 3%-99%   | 4%-99%   | 4%-99%   | 6%-99%  | 7%-100%  | 5%-99%  | 4%-99%  | 5%-99%  | 4%-99%  | 4%-99%   |

# Professional LED Low Voltage range

## Recommended Low Voltage Dimmer compatibility list - LED Lamps



### KEY

|        |   |
|--------|---|
| x-y    | 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.            |
| N.A.   | Transformer lamp combination not applicable/relevant  |
| T.B.D. | Transformer lamp combination not tested   |

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**Master LEDspot  
LV MR16  
6.5W (35W)**



**Master LEDspot  
LV MR16  
7W (35W)**

| Brand    | Transformer  |               |               |              |               |               |           |          |          |          |          |          |
|----------|--------------|---------------|---------------|--------------|---------------|---------------|-----------|----------|----------|----------|----------|----------|
|          | Philips      |               |               |              |               |               | Varilight |          | OSRAM    |          |          | Tridonic |
| Model    | Certaline 60 | Certaline 105 | Certaline 150 | Primaline 70 | Primaline 105 | Primaline 150 | YT50      | YT70     | HTM 70   | HTM 105  | HTM 150  | VIPER    |
| Wattage  | 20 - 60W     | 20 - 60W      | 20 - 60W      | 20 - 60W     | 20 - 60W      | 20 - 60W      | 20 - 60W  | 20 - 60W | 20 - 60W | 20 - 60W | 20 - 60W | 20 - 60W |
| Quantity | 1 lamp       | 1 lamp        | 1 lamp        | 1 lamp       | 1 lamp        | 1 lamp        | 1 lamp    | 1 lamp   | 1 lamp   | 1 lamp   | 1 lamp   | 1 lamp   |

| Mode | TE | TE | TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE |
|------|----|----|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|------|----|----|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|

|  |      |      |      |      |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
|  | pass | pass | pass | pass | pass | pass | pass | pass | pass | pass | pass | pass |
|--|------|------|------|------|------|------|------|------|------|------|------|------|

| Brand  | Model                       | Without dimmer |           |
|--------|-----------------------------|----------------|-----------|
|        |                             | Watt           |           |
| Dimmer | Busch Jaeger                | 6513 U-102     | 40 - 420W |
|        | Gira                        | 1176           | 50 - 420W |
|        | Merten (Schneider)          | 5771           | 20 - 315W |
|        | Doyle & Tratt (Varilight)   | HQ3W           | 60 - 400W |
|        | Insta Group (Berker)        | 283010         | 60 - 400W |
|        | Insta Group (Berker/ Insta) | 286710/51190   | 20 - 360W |
|        | Legrand                     | 067081         | 40 - 300W |
|        | Legrand                     | 067082         | 40 - 600W |
|        | Legrand                     | 067084         | 40 - 300W |
|        | Legrand (Bticino)           | L4407          | 60 - 250W |
|        | Schneider Electric          | 315GLE         | 20 - 315W |

|     |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|--|--|--|
| TE  |  |  |  |  |  |  |  |  |  |  |  |  |
| UNI |  |  |  |  |  |  |  |  |  |  |  |  |
| TE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| TE  |  |  |  |  |  |  |  |  |  |  |  |  |



**Master LEDspot  
LV MR16  
8W (35W)**

| Brand    | Transformer  |               |               |              |               |               |           |          |          |          |          |          |
|----------|--------------|---------------|---------------|--------------|---------------|---------------|-----------|----------|----------|----------|----------|----------|
|          | Philips      |               |               |              |               |               | Varilight |          | OSRAM    |          |          | Tridonic |
| Model    | Certaline 60 | Certaline 105 | Certaline 150 | Primaline 70 | Primaline 105 | Primaline 150 | YT50      | YT70     | HTM 70   | HTM 105  | HTM 150  | VIPER    |
| Wattage  | 20 - 60W     | 20 - 60W      | 20 - 60W      | 20 - 60W     | 20 - 60W      | 20 - 60W      | 20 - 60W  | 20 - 60W | 20 - 60W | 20 - 60W | 20 - 60W | 20 - 60W |
| Quantity | 1 lamp       | 1 lamp        | 1 lamp        | 1 lamp       | 1 lamp        | 1 lamp        | 1 lamp    | 1 lamp   | 1 lamp   | 1 lamp   | 1 lamp   | 1 lamp   |

| Mode | TE | TE | TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE |
|------|----|----|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|------|----|----|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|

|  |      |      |      |      |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
|  | pass | pass | pass | pass | pass | pass | pass | pass | pass | pass | pass | pass |
|--|------|------|------|------|------|------|------|------|------|------|------|------|

| Brand  | Model                       | Without dimmer |           |
|--------|-----------------------------|----------------|-----------|
|        |                             | Watt           |           |
| Dimmer | Busch Jaeger                | 6513 U-102     | 40 - 420W |
|        | Gira                        | 1176           | 50 - 420W |
|        | Merten (Schneider)          | 5771           | 20 - 315W |
|        | Doyle & Tratt (Varilight)   | HQ3W           | 60 - 400W |
|        | Insta Group (Berker)        | 283010         | 60 - 400W |
|        | Insta Group (Berker/ Insta) | 286710/51190   | 20 - 360W |
|        | Legrand                     | 067081         | 40 - 300W |
|        | Legrand                     | 067082         | 40 - 600W |
|        | Legrand                     | 067084         | 40 - 300W |
|        | Legrand (Bticino)           | L4407          | 60 - 250W |
|        | Schneider Electric          | 315GLE         | 20 - 315W |

|     |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|--|--|--|
| TE  |  |  |  |  |  |  |  |  |  |  |  |  |
| UNI |  |  |  |  |  |  |  |  |  |  |  |  |
| TE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| LE  |  |  |  |  |  |  |  |  |  |  |  |  |
| TE  |  |  |  |  |  |  |  |  |  |  |  |  |

# Professional LED Low Voltage range

## Recommended Low Voltage Dimmer compatibility list - LED Lamps



### KEY

|        |   |
|--------|---|
| x-y    | 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.            |
| N.A.   | Transformer lamp combination not applicable/relevant  |
| T.B.D. | Transformer lamp combination not tested   |

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**Master Value LEDspot  
LV MR16  
6.3W (35W)**

| Transformer |              |         |               |         |         |               |         |         |              |         |               |         |         |               |         |         |
|-------------|--------------|---------|---------------|---------|---------|---------------|---------|---------|--------------|---------|---------------|---------|---------|---------------|---------|---------|
| Brand       | Philips      |         |               |         |         |               |         |         |              |         |               |         |         |               |         |         |
| Model       | Certaline 60 |         | Certaline 105 |         |         | Certaline 150 |         |         | Primaline 70 |         | Primaline 105 |         |         | Primaline 150 |         |         |
| Wattage     | 20 - 60W     |         | 35 - 105W     |         |         | 50 - 150W     |         |         | 20 - 70W     |         | 35 - 105W     |         |         | 50 - 150W     |         |         |
| Quantity    | 1 lamp       | 2 lamps | 1 lamp        | 2 lamps | 3 lamps | 2 lamps       | 3 lamps | 4 lamps | 1 lamp       | 2 lamps | 1 lamp        | 2 lamps | 3 lamps | 2 lamps       | 3 lamps | 4 lamps |
| Mode        | TE           |         | TE            |         |         | TE            |         |         | LE & TE      |         | LE & TE       |         |         | LE & TE       |         |         |

| Dimmer | Without dimmer              |              |           |
|--------|-----------------------------|--------------|-----------|
|        | Brand                       | Model        | Watt      |
| Dimmer | Busch Jaeger                | 6513 U-102   | 40 - 420W |
|        | Gira                        | 1176         | 50 - 420W |
|        | Merten (Schneider)          | 5771         | 20 - 315W |
|        | Doyle & Tratt (Varilight)   | HQ3W         | 60 - 400W |
|        | Insta Group (Berker)        | 283010       | 60 - 400W |
|        | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360W |
|        | Legrand                     | 67081        | 40 - 300W |
|        | Legrand                     | 67082        | 40 - 600W |
|        | Legrand (Bticino)           | L4407        | 60 - 250W |
|        | Schneider Electric          | 315GLE       | 20 - 315W |

|     |                         |         |           |          |          |      |      |      |                         |         |                |         |         |         |         |         |
|-----|-------------------------|---------|-----------|----------|----------|------|------|------|-------------------------|---------|----------------|---------|---------|---------|---------|---------|
|     | Pass                    | Pass    | Pass      | Pass     | Pass     | N.A. | N.A. | N.A. | Pass                    | Pass    | Pass           | Pass    | Pass    | Pass    | Pass    | Pass    |
| TE  | flicker                 | 40%-90% | 56%-99%   | 52%-99%  | 50%-99%  | N.A. | N.A. | N.A. | 40%-90%                 | 40%-90% | 40%-90%        | 40%-90% | 40%-90% | 30%-90% | 30%-90% | 30%-90% |
| UNI | 42-99%                  | 40-99%  | 53%-100%  | 50%-100% | 50%-100% | N.A. | N.A. | N.A. | 53%-98%                 | 53%-98% | can't start up | 20%-90% | 20%-90% | 30%-90% | 30%-90% | 30%-90% |
| TE  | 59%-99%                 | 50%-99% | 41-94%    | 40-95%   | 38-96%   | N.A. | N.A. | N.A. | 40%-95%                 | 40%-95% | 40%-95%        | 40%-95% | 40%-95% | 19%-98% | 19%-98% | 19%-98% |
| LE  | N.A.                    | N.A.    | N.A.      | N.A.     | N.A.     | N.A. | N.A. | N.A. | flicker                 | 40%-95% | flicker        | 5%-90%  | 5%-90%  | 5%-95%  | 5%-95%  | 5%-95%  |
| LE  | N.A.                    | N.A.    | N.A.      | N.A.     | N.A.     | N.A. | N.A. | N.A. | flicker (-10% position) | 5%-90%  | flicker        | 5%-95%  | 5%-95%  | 10%-90% | 10%-90% | 10%-90% |
| LE  | N.A.                    | N.A.    | N.A.      | N.A.     | N.A.     | N.A. | N.A. | N.A. | 10%-90%                 | 10%-90% | 18%-99%        | 18%-99% | 18%-99% | 19%-99% | 19%-99% | 19%-99% |
| LE  | N.A.                    | N.A.    | N.A.      | N.A.     | N.A.     | N.A. | N.A. | N.A. | flicker                 | flicker | flicker        | flicker | 5%-95%  |         |         |         |
| LE  | N.A.                    | N.A.    | N.A.      | N.A.     | N.A.     | N.A. | N.A. | N.A. | flicker                 | flicker | flicker        | flicker | 5%-95%  |         |         |         |
| LE  | can't start up          | N.A.    | can't dim | N.A.     | N.A.     | N.A. | N.A. | N.A. | flicker                 | N.A.    | flicker        | N.A.    | N.A.    |         |         |         |
| TE  | flicker at max position | 5%-65%  | flicker   | 5%-93%   | 5%-95%   | N.A. | N.A. | N.A. | flicker                 | 5%-90%  | flicker        | 5%-90%  | 5%-90%  | 10%-90% | 10%-90% | 10%-90% |

| Transformer |           |        |         |        |          |         |           |         |         |           |          |        |          |  |
|-------------|-----------|--------|---------|--------|----------|---------|-----------|---------|---------|-----------|----------|--------|----------|--|
| Brand       | Varilight |        |         |        | OSRAM    |         |           |         |         |           | Tridonic |        |          |  |
| Model       | YT50      | YT70Z  |         | HTM 70 |          | HTM 105 |           |         | HTM 150 |           |          | VIPER  |          |  |
| Wattage     | 0 - 50W   |        | 0 - 70W |        | 20 - 70W |         | 35 - 105W |         |         | 50 - 150W |          |        | 20 - 60W |  |
| Quantity    | 1 lamp    | 1 lamp | 2 lamp  | 1 lamp | 2 lamps  | 1 lamp  | 2 lamps   | 3 lamps | 2 lamps | 3 lamps   | 4 lamps  | 1 lamp | 2 lamps  |  |
| Mode        | LE & TE   |        | LE & TE |        | LE & TE  |         |           | LE & TE |         |           | LE & TE  |        |          |  |

| Dimmer | Without dimmer              |              |           |
|--------|-----------------------------|--------------|-----------|
|        | Brand                       | Model        | Watt      |
| Dimmer | Busch Jaeger                | 6513 U-102   | 40 - 420W |
|        | Gira                        | 1176         | 50 - 420W |
|        | Merten (Schneider)          | 5771         | 20 - 315W |
|        | Doyle & Tratt (Varilight)   | HQ3W         | 60 - 400W |
|        | Insta Group (Berker)        | 283010       | 60 - 400W |
|        | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360W |
|        | Legrand                     | 67081        | 40 - 300W |
|        | Legrand                     | 67082        | 40 - 600W |
|        | Legrand (Bticino)           | L4407        | 60 - 250W |
|        | Schneider Electric          | 315GLE       | 20 - 315W |

|     |          |         |         |         |         |         |         |         |         |         |         |         |         |
|-----|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|     | Pass     |         |         | Pass    | Pass    | Pass    | Pass    | Pass    | Pass    |         |         | Pass    |         |
| TE  | 40%-90%  | 40%-90% | 40%-90% | 43%-99% | 43%-99% | 42%-99% | 42%-99% | 42%-99% | 20%-85% | 20%-85% | 20%-85% | 40%-90% | 40%-90% |
| UNI | 40%-90%  | 40%-90% | 40%-90% | 37%-99% | 37%-99% | 36%-99% | 36%-99% | 36%-99% | 35%-90% | 35%-90% | 35%-90% | 32%-99% | 32%-99% |
| TE  | 40%-100% | 35%-90% | 35%-90% | 39%-98% | 39%-98% | 40%-99% | 40%-99% | 40%-99% | 10%-80% | 10%-80% | 10%-80% | 38%-99% | 38%-99% |
| LE  | 5%-95%   | 5%-95%  | 5%-95%  | flicker | 15%-90% | flicker | 15%-80% | 15%-80% | 10%-90% | 10%-90% | 10%-90% | 5%-95%  | 5%-95%  |
| LE  | flicker  | 10%-90% | 10%-90% | flicker | 10%-95% | 40-81%  | 40-81%  | 40-81%  | 10%-90% | 10%-90% | 10%-90% | 5%-90%  | 5%-90%  |
| LE  | 25%-95%  | 30%-90% | 30%-90% | 28%-99% | 28%-99% | 31%-99% | 31%-99% | 31%-99% | 20%-90% | 10%-90% | 10%-90% | 24%-98% | 24%-98% |
| LE  | flicker  | flicker | 5%-95%  | flicker | 5%-95%  | flicker | 5%-95%  | 5%-95%  | 5%-95%  | 5%-95%  | 5%-95%  | flicker | 5%-95%  |
| LE  | flicker  | flicker | 5%-95%  | flicker | 5%-95%  | flicker | 5%-95%  | 5%-95%  | 5%-95%  | 5%-95%  | 5%-95%  | flicker | 5%-95%  |
| LE  | flicker  | N.A.    | N.A.    | flicker | N.A.    | flicker | N.A.    | N.A.    | 10%-90% | N.A.    | N.A.    | flicker | N.A.    |
| TE  | 5%-95%   | 5%-95%  | 5%-95%  | 5%-95%  | 5%-95%  | 5%-95%  | 5%-95%  | 5%-95%  | 20%-85% | 20%-85% | 20%-85% | 1%-100% | 1%-100% |

# Professional LED Low Voltage range

## Recommended Low Voltage Dimmer compatibility list - LED Lamps



### KEY

|        |   |
|--------|---|
| x-y    | Transformer is compatible with x - y lamp   |
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|        | Transformer is not compatible and therefore will not comply to Philips claimed specifications.            |
| N.A.   | Transformer lamp combination not applicable/relevant  |
| T.B.D. | Transformer lamp combination not tested   |

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Corepro LED capsule  
G4 LV DIM / 2 -20W

| Brand    | Transformer  |               |               |              |               |               |           |          |            |          |           |           |          |
|----------|--------------|---------------|---------------|--------------|---------------|---------------|-----------|----------|------------|----------|-----------|-----------|----------|
|          | Philips      |               |               |              |               |               | Varilight |          | ELT        | OSRAM    |           |           | Tridonic |
| Model    | Certaline 60 | Certaline 105 | Certaline 150 | Primaline 70 | Primaline 105 | Primaline 150 | YT50      | YT70     | TCE 6/23-E | HTM 70   | HTM 105   | HTM 150   | VIPER    |
| Wattage  | 20 - 60W     | 35 - 105W     | 50 - 150W     | 20 - 70W     | 35 - 105W     | 50 - 150W     | 0 - 70W   | 20 - 70W |            | 20 - 70W | 35 - 105W | 50 - 150W | 20 - 60W |
| Quantity | 1 lamp       | 1 lamp        | 1 lamp        | 1 lamp       | 1 lamp        | 1 lamp        | 1 lamp    | 1 lamp   | 1 lamp     | 1 lamp   | 1 lamp    | 1 lamp    | 1 lamp   |

| Mode | TE | TE | TE | LE & TE | LE & TE | LE & TE | LE & TE | LE & TE |  | LE & TE | LE & TE | LE & TE | LE & TE |
|------|----|----|----|---------|---------|---------|---------|---------|--|---------|---------|---------|---------|
|------|----|----|----|---------|---------|---------|---------|---------|--|---------|---------|---------|---------|

|  |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | pass | pass | pass | pass | pass | pass | pass | pass | pass | pass | pass | pass | pass |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|

| Dimmer | Without dimmer              |              |           |
|--------|-----------------------------|--------------|-----------|
|        | Brand                       | Model        | Watt      |
| Dimmer | Busch Jaeger                | 6513 U-102   | 40 - 420W |
|        | Gira                        | 1176         | 50 - 420W |
|        | Merten (Schneider)          | 5771         | 20 - 315W |
|        | Doyle & Tratt (Varilight)   | HQ3W         | 60 - 400W |
|        | Insta Group (Berker)        | 283010       | 60 - 400W |
|        | Insta Group (Berker/ Insta) | 286710/51190 | 20 - 360W |
|        | Legrand                     | 67081        | 40 - 300W |
|        | Legrand                     | 067082       | 40 - 600W |
|        | Legrand                     | 067084       | 40 - 300W |
|        | Legrand (Bticino)           | L4407        | 60 - 250W |
|        | Schneider Electric          | 315GLE       | 20 - 315W |

|     |                  |                  |                          |             |                  |                  |         |         |                  |                  |                  |                |         |
|-----|------------------|------------------|--------------------------|-------------|------------------|------------------|---------|---------|------------------|------------------|------------------|----------------|---------|
| TE  | 45%-90%          | turn max flicker | 50%-90%                  | 45%-90%     | turn max flicker | 40%-90%          | 40%-90% | 40%-90% | 30%-90%          | 38%-100%         | 42%-99%          | 41%-99%        | 44%-99% |
| UNI | 30%-90%          | turn min flicker | cannot startup           | 30%-90%     | cannot startup   | turn min flicker | 30%-90% | 30%-90% | 30%-90%          | turn min flicker | turn min flicker | cannot startup | 30%-90% |
| TE  | 40%-70%          | 40%-70%          | 50%-70%                  | 40%-70%     | flicker          | 40%-70%          | 40%-70% | 40%-70% | 40%-70%          | 40%-70%          | 40%-70%          | 40%-70%        | 40%-70% |
| LE  | 30%-90%          | 40% flicker      | 30%-90%                  | flicker     | flicker          | flicker          | 30%-90% | 30%-90% | flicker          | 40%-70%          | 40%-70%          | flicker        | flicker |
| LE  | 20%-90%          | turn min flicker | 20%-90%                  | flicker     | flicker          | flicker          | 20%-90% | 20%-90% | turn max flicker | 10%-90%          | 10%-90%          | cannot startup | 10%-90% |
| LE  | 50%-90%          | 50%-90%          | 50%-90%                  | max flicker | max flicker      | 50%-90%          | 50%-90% | 50%-90% | turn min flicker | 20%-90%          | 20%-90%          | flicker        | 10%-90% |
| LE  | flicker          | flicker          | flicker                  | flicker     | flicker          | flicker          | flicker | flicker | flicker          | flicker          | flicker          | flicker        | flicker |
| LE  | flicker          | flicker          | flicker                  | flicker     | flicker          | flicker          | flicker | flicker | flicker          | flicker          | flicker          | flicker        | flicker |
| LE  | cannot dimming   | cannot dimming   | turn min flicker         | flicker     | flicker          | flicker          | 30%-90% | 30%-90% | N.A.             | 20%-90%          | 20%-90%          | flicker        | 30%-90% |
| LE  | flicker          | flicker          | flicker                  | flicker     | flicker          | flicker          | flicker | flicker | flicker          | flicker          | flicker          | flicker        | flicker |
| TE  | turn max flicker | turn max flicker | turn fast to max flicker | max flicker | max flicker      | 40%-70%          | 40%-70% | 40%-70% | N.A.             | 40%-70%          | 40%-70%          | flicker        | 40%-70% |

**Note:**  
**The compatibility is tested in a lab-environment. Real applications might give different performance**  
 Suppliers of dimmers and/or electronic transformers can update their products without informing Philips. The compatibility can therefor be different from above  
 If your ET is not on the list: please consult your local Philips supplier

Philips will not accept claims for any damage caused by implementing the recommendations in this document.





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