

# SUPERSTAR® GLOW DIM / 1906

## DIMMER COMPATIBILITY

### BASIC INFORMATION:

#### 1. HOW MANY LAMPS CAN I INSTALL ON ONE DIMMER?

For max. number of lamps on a dimmer, please use the following rule of thumb:  
(Please note: actual number may vary from calculated result)

$$\frac{\text{Max load of dimmer}}{\text{equivalent wattage (HAL/GLS)}} = \text{max. number of lamps}$$

#### 2. WHAT IS THE PRODUCT CODE AND WHERE DO I FIND IT?

The product code describes the lamp type. It contains 7 letters and digits and is starting with A...

Example for the product code on the stamp of the lamp:

220-240V · **AA68602** · 4000K  
6W · 50/60Hz · 27mA  
Made in Germany XXX-XXXX



#### 3. HOW CAN I READ THE FOLLOWING CHARTS?

### PARATHOM® CLASSIC ADVANCED Dimmer Compatibility

Legend:  
Information about the dimmability of the lamps. Green means very good dimmability habits, red means partial critical dimmability habits.

| Dimmability traffic light system:  | Type            | PARATHOM CLASSIC A40 ADV | PARATHOM CLASSIC A60 ADV | PARATHOM CLASSIC A75 ADV | PARATHOM CLASSIC B25 ADV | PARATHOM CLASSIC B40 ADV | PARATHOM CLASSIC P25 ADV | PARATHOM CLASSIC P40 ADV |
|--|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>Green</b> very good dimmability habits (Dimming range ≥ 75%)  | Product Picture |                          |                          |                          |                          |                          |                          |                          |
| <b>Yellow</b> good dimmability habits (Dimming range ≥ 60%)  | EAN             | 405289924437             | 405289911208             | 405289924499             | 4008321979230            | 05289911413              | 4008321980373            | 405289911451             |
| <b>Red</b> partial critical dimmability habits (flickering or acoustic noises may occur) (Dimming range < 60%) | Product Code    | AA68604                  | AA66582                  | AA752280                 | AA69411                  | AA68531                  | AA69413                  | AA68534                  |
| <b>White</b> not tested  | EAN             | 405289924444             | 4052899113820            |                          | 4008321994035            | 405289911437             | 4008321982352            | 405289911475             |
|  | Product Code    | AA68603                  | AA66584                  |                          | AA69412                  | AA68550                  | AA69414                  | AA68535                  |
|  | EAN             | 405289924451             | 405289924482             |                          |                          |                          | 405289911444             | 405289911918             |
|  | Product Code    | AA68602                  | AA66583                  |                          |                          |                          | AA69415                  | AA68536                  |
|  | EAN             |                          |                          |                          |                          |                          | 405289911468             | 405289911925             |
|  | Product Code    |                          |                          |                          |                          |                          | AA68537                  |                          |

Information about the OSRAM lamp type

Number of lamps tested on dimmer

| Dimmer                   | Brand | Model | Voltage   | Power  | Type  | PARATHOM CLASSIC A40 ADV |                                  | PARATHOM CLASSIC A60 ADV |                                  | PARATHOM CLASSIC A75 ADV |                                  | PARATHOM CLASSIC B25 ADV |                                  | PARATHOM CLASSIC B40 ADV |                                  | PARATHOM CLASSIC P25 ADV |   | PARATHOM CLASSIC P40 ADV |   |
|--------------------------|-------|-------|-----------|--------|-------|--------------------------|----------------------------------|--------------------------|----------------------------------|--------------------------|----------------------------------|--------------------------|----------------------------------|--------------------------|----------------------------------|--------------------------|---|--------------------------|---|
|                          |       |       |           |        |       | Lamps on dimmer: 1   4   | Number of Lamps on dimmer: 1   4 | Lamps on dimmer: 1   4   | Number of Lamps on dimmer: 1   4 | Lamps on dimmer: 1   4   | Number of Lamps on dimmer: 1   4 | Lamps on dimmer: 1   5   | Number of Lamps on dimmer: 1   4 | Lamps on dimmer: 1   4   | Number of Lamps on dimmer: 1   4 |                          |   |                          |   |
| ABB STD 50-3             |       |       | 230V/50Hz | 60-500 | L     | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1 | Green                    | 1 |
| Berker 2874              |       |       | 230V/50Hz | 20-525 | T     | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1 | Green                    | 1 |
| Berker 281902            |       |       | 230V/50Hz | 60-400 | L     | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1 | Green                    | 1 |
| Busch-Jaeeger 2247U      |       |       | 230V/50Hz | 20-500 | L     | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1 | Green                    | 1 |
| Busch-Jaeeger 6523 U     |       |       | 230V/50Hz | 2-100  | LED L | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1 | Green                    | 1 |
| Busch-Jaeeger 6513 U-102 |       |       | 230V/50Hz | 40-420 | T     | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1 | Green                    | 1 |
| Busch-Jaeeger 6517 U-101 |       |       | 230V/50Hz | 60-400 | L     | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1 | Green                    | 1 |
| Ehmann 4660c0026         |       |       | 230V/50Hz | 20-315 | T     | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1 | Green                    | 1 |
| ELKO 319GLE              |       |       | 230V/50Hz | 23-315 | T     | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1 | Green                    | 1 |
| ELKO 420GLE/II           |       |       | 230V/50Hz | 20-420 | T     | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1 | Green                    | 1 |
| ELKO 600GLI              |       |       | 230V/50Hz | 40-600 | L     | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1 | Green                    | 1 |
| ELKO 630GLE              |       |       | 230V/50Hz | 20-630 | T     | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1 | Green                    | 1 |
| ELSO 174200              |       |       | 230V/50Hz | 40-315 | T     | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1                                | Green                    | 1 | Green                    | 1 |

List of dimmers being tested in the laboratory

Test results of dimmability according to the traffic light system

Example: Dimmer ABB STD 50-3 shows very good dimmability habits for one PARARHOM CLASSIC A60 ADV lamp.

**BASISINFORMATIONEN:**

**1. WIE VIELE LAMPEN KANN ICH AN EINEN DIMMER ANSCHLIESSEN?**

Die maximale Anzahl an Lampen, die Sie an einen Dimmer anschließen können, ergibt sich aus der folgenden Faustregel:

$$\frac{\text{max. Leistungsabgabe des Dimmers}}{\text{äquivalente Lampenleistung (HAL/GLS)}} = \text{max. Anzahl der Lampen}$$

(Beachten Sie, dass die tatsächliche Anzahl von dem errechneten Ergebnis abweichen kann.)

**2. WAS IST DER PRODUKTCODE UND WO FINDE ICH IHN?**

Der Produktcode beschreibt den Lampentyp.

Er besteht aus sieben Buchstaben und Ziffern und beginnt mit A...

Beispiel eines Produktcodes auf dem Aufdruck der Lampe:

220-240V · **AA68602** · 4000K  
6W · 50/60Hz · 27mA  
Made in Germany XXX-XXXX



**3. WIE LESE ICH DIE FOLGENDEN TABELLEN?**

**PARATHOM® CLASSIC ADVANCED Dimmer Compatibility**

Legende:  
Angaben zur Dimmbarkeit der Lampen – grün bedeutet sehr gute Eigenschaften, rot bedeutet teilweise kritische Dimmeigenschaften

| Type            | PARATHOM CLASSIC A40 ADV | PARATHOM CLASSIC A60 ADV | PARATHOM CLASSIC A75 ADV | PARATHOM CLASSIC B25 ADV | PARATHOM CLASSIC B40 ADV | PARATHOM CLASSIC P25 ADV | PARATHOM CLASSIC P40 ADV |
|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Product Picture |                          |                          |                          |                          |                          |                          |                          |
| EAN             | 405289924437             | 405289911208             | 405289924499             | 4008321979230            | 05289911413              | 4008321980373            | 405289911451             |
| Product Code    | AA68604                  | AA66582                  | AA752280                 | AA69411                  | AA68531                  | AA69413                  | AA68534                  |
| EAN             | 405289924444             | 4052899113220            |                          | 4008321994035            | 405289911437             | 4008321992352            | 405289911475             |
| Product Code    | AA68603                  | AA66594                  |                          | AA69412                  | AA68550                  | AA69414                  | AA68535                  |
| EAN             | 405289924451             | 405289924482             |                          |                          |                          | 405289911444             | 405289911918             |
| Product Code    | AA68602                  | AA66593                  |                          |                          |                          | AA69415                  | AA68536                  |
| EAN             |                          |                          |                          |                          |                          | 405289911469             | 405289911925             |
| Product Code    |                          |                          |                          |                          |                          | AA69416                  | AA68537                  |

Angaben zum OSRAM-Lampentyp

Anzahl der an einem Dimmer getesteten Lampen

| Dimmer                  | Number of Lamps on dimmer: 1 1 4 |       | Number of Lamps on dimmer: 1 1 4 |       | Number of Lamps on dimmer: 1 1 4 |       | Number of Lamps on dimmer: 1 1 4 |       | Number of Lamps on dimmer: 1 1 5 |       | Number of Lamps on dimmer: 1 1 4 |       | Number of Lamps on dimmer: 1 1 4 |       |
|-------------------------|----------------------------------|-------|----------------------------------|-------|----------------------------------|-------|----------------------------------|-------|----------------------------------|-------|----------------------------------|-------|----------------------------------|-------|
|                         | Lamp                             | Lamps | Lamp                             | Lamps | Lamp                             | Lamps | Lamp                             | Lamps | Lamp                             | Lamps | Lamp                             | Lamps | Lamp                             | Lamps |
| ABB STD 50-3            |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |
| Berker 2874             |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |
| Berker 281902           |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |
| Busch-Jaeger 2247U      |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |
| Busch-Jaeger 6523 U     |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |
| Busch-Jaeger 6513 U-102 |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |
| Busch-Jaeger 6517 U-101 |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |
| Ehmann 4660-0026        |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |
| ELKO 315GLE             |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |
| ELKO 420GLE/I           |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |
| ELKO 600GLI             |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |
| ELKO 630GLE             |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |
| ELSO 174200 (ATD300R)   |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |                                  |       |







Liste der getesteten Dimmer

Ergebnisse des Dimmbarkeitstests an der Lichtsignalanlage

**Dimmability traffic light system:**

- Green** very good dimmability habits (Dimming range ≥ 75%)
- Yellow** good dimmability habits (Dimming range ≥ 60%)
- Red** partial critical dimmability habits (flickering or accoustic noises may occur) (Dimming range < 60%)
- White** not tested

**Lamp**

|              |                  |               |        |        | Type                       | RETROFIT GLOWdim CL A 50  | SUPERSTAR GLOWdim CL A 60   | SUPERSTAR GLOWdim CL B 40  | SUPERSTAR GLOWdim CL P 40   | SUPERSTAR GLOWdim MR16 35   | SUPERSTAR GLOWdim PAR16 50  |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |  |
|--------------|------------------|---------------|--------|--------|----------------------------|---|---|--|---|---|---|---|---|---------------------------|---|---|---|---------------------------|---|---|---|---------------------------|---|---|---|----------------------------|---|---|--|
|              |                  |               |        |        | Product Picture            |  |  |  |  |  |  |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |  |
|              |                  |               |        |        | EAN Product Code           | 405807580387  | 4052899960350   | 4052899960374  | 4052899960381   | 4052899960367   | 4052899960404   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |  |
|              |                  |               |        |        | EAN Product Code           | AB48086   | AB43370   | AB43372  | AB43373   | AB43374   | AB43381   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |  |
|              |                  |               |        |        | Number of Lamps on dimmer: | RETROFIT GLOWdim CL A 50  |   |  |   | SUPERSTAR GLOWdim CL A 60   |   |   |   | SUPERSTAR GLOWdim CL B 40 |   |   |   | SUPERSTAR GLOWdim CL P 40 |   |   |   | SUPERSTAR GLOWdim MR16 35 |   |   |   | SUPERSTAR GLOWdim PAR16 50 |   |   |  |
| Brand        | Model            | Voltage range | Power  | Type   | 1                          | 2   | 3   | 4  | 1   | 2   | 3   | 4 | 1 | 2                         | 3 | 4 | 1 | 2                         | 3 | 4 | 1 | 2                         | 3 | 4 | 1 | 2                          | 3 | 4 |  |
| AURORA       | DSP400           | 230/50Hz      | 400    | T      |                            |   |   |  |   |   |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |  |
| Busch-Jaeger | 6523U-LED        | 230/50Hz      | 2-100  | L      |                            |   |   |  |   |   |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |  |
| Busch-Jaeger | 6513U-102        | 230/50Hz      | 40-420 | T      |                            |   |   |  |   |   |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |  |
| ELKO         | 315GLE           | 230/50Hz      | 20-315 | T      |                            |   |   |  |   |   |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |  |
| Gira         | 030700           | 230/50Hz      | 20-525 | T      |                            |   |   |  |   |   |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |  |
| Jung         | 225 NVDE         | 230/50Hz      | 20-500 | L      |                            |   |   |  |   |   |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |  |
| Legrand      | 665114           | 230/50Hz      | 400    | L      |                            |   |   |  |   |   |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |  |
| Osram        | Hti DALI 315 DIM | 230/50Hz      | 20-315 | DALI T |                            |   |   |  |   |   |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |  |
| Schneider    | ELKO 400GLI      | 230/50Hz      | 400    | /      |                            |   |   |  |   |   |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |  |
| Siemens      | 5TC8 284         | 230/50Hz      | 20-525 | T      |                            |   |   |  |   |   |   |   |   |                           |   |   |   |                           |   |   |   |                           |   |   |   |                            |   |   |  |

**Dimmability traffic light system:**


**Green** very good dimmability habits (Dimming range  $\geq 75\%$ )

**Yellow** good dimmability habits (Dimming range  $\geq 60\%$ )

**Red** partial critical dimmability habits (flickering or accoustic noises may occur) (Dimming range  $< 60\%$ )

**White** not tested

**Lamp**

|                 |  |
|-----------------|--|
| Type            | RETROFIT<br>GLOWdim CL<br>A 50   |
| Product Picture |  |
| EAN             | 4058075801387  |
| Product Code    | AB48086  |

**Dimmer**

| Brand     | Model          | Voltage range | Power    | Type | Number of Lamps on dimmer: |   |   |   |
|-----------|----------------|---------------|----------|------|----------------------------|---|---|---|
|           |                |               |          |      | 1                          | 2 | 3 | 4 |
| ABB       | STD50-3        | 230/50Hz      | 500      | RL   | Green                      |   |   |   |
| Berker    | 2875           | 230/50Hz      | 60---600 | R    | Yellow                     |   |   |   |
| Berker    | 2861 10        | 230/50Hz      |          | RLC  | Yellow                     |   |   |   |
| Busch     | 2200 UJ-212    | 230/50Hz      | 60---400 | R    | Green                      |   |   |   |
| BUSCH     | 2247U          | 230/50Hz      | 500      | RL   | Green                      |   |   |   |
| BUSCH     | 2250U          | 230/50Hz      | 50-424   | R    | Yellow                     |   |   |   |
| BUSCH     | 6517 U-101     | 230/50Hz      | 400      | RL   | Green                      |   |   |   |
| BUSCH     | 6519 U         | 230/50Hz      |          | RC   | Green                      |   |   |   |
| Busch     | Dimmer 2550KB  | 230/50Hz      | 600      | R    | Green                      |   |   |   |
| ELSO      | 174120         | 230/50Hz      | 20---500 | RL   | Green                      |   |   |   |
| EMT       | EMT            | 230/50Hz      |          | R    | Green                      |   |   |   |
| GIRA      | 0300 00/101    | 230/50Hz      | 60---400 | R    | Green                      |   |   |   |
| GIRA      | 1176 00/104    | 230/50Hz      |          | RLC  | Green                      |   |   |   |
| Hager     | WUD87          | 230/50Hz      | 25--400  | RLC  | Green                      |   |   |   |
| JUNG      | 225 T DE       | 230/50Hz      | 20---525 | RC   | Green                      |   |   |   |
| KOPP      | 8033           | 230/50Hz      | 40---400 | RL   | Green                      |   |   |   |
| KOPP      | EUROPA 8078    | 230/50Hz      |          | RC   | Green                      |   |   |   |
| KOPP      | EUROPA 8078    | 230/50Hz      |          | RC   | Yellow                     |   |   |   |
| LEGRAND   | ADW-ETL4       | 230/50Hz      | 420      | RC   | Green                      |   |   |   |
| MERTEN    | MEF5170        | 230/50Hz      | 10--200  | RLC  | Green                      |   |   |   |
| MERTEN    | SBD315RC       | 230/50Hz      |          | RC   | Green                      |   |   |   |
| MERTEN    | SBD600RL       | 230/50Hz      | 60---400 | R    | Green                      |   |   |   |
| PEHA      | 433            | 230/50Hz      | 60---300 | R    | Green                      |   |   |   |
| PEHA      | 433 HAB        | 230/50Hz      |          | RC   | Green                      |   |   |   |
| PEHA      | 434 OA         | 230/50Hz      |          | RC   | Green                      |   |   |   |
| PEHA      | 435 HAN        | 230/50Hz      | 60---600 | RL   | Green                      |   |   |   |
| SCHNEIDER | ATD315         | 230/50Hz      |          | RC   | Green                      |   |   |   |
| SIEMENS   | 5TC8 283       | 230/50Hz      | 25---500 | RL   | Green                      |   |   |   |
| SIEMENS   | 5WG1 527-1AB41 | 230/50Hz      | 20---500 | RLC  | Green                      |   |   |   |

**Dimmability traffic light system:**

- Green very good dimmability habits (Dimming range  $\geq$  75%)
- Yellow good dimmability habits (Dimming range  $\geq$  60%)
- Red partial critical dimmability habits (flickering or accoustic noises may occure) (Dimming range  $<$  60%)
- White not tested

**Lamp**

|                 |   |  |
|-----------------|---|--|
| Type            | 1906 LED dim CL Edison 50   | 1906 LED dim GLOBE 50  |
| Product Picture |  |  |
| EAN             | 4052899972360   | 4052899972698  |
| Product Code    | AB46576   | AB47113  |

**Dimmer**

| Brand        | Model            | Voltage range | Power    | Type   | Number of Lamps on dimmer: |   |   |   | Number of Lamps on dimmer: |        |   |   |  |  |
|--------------|------------------|---------------|----------|--------|----------------------------|---|---|---|----------------------------|--------|---|---|--|--|
|              |                  |               |          |        | 1                          | 2 | 3 | 4 | 1                          | 2      | 3 | 4 |  |  |
| AURORA       | DSP400           | 230/50Hz      | 400      | T      | Green                      |   |   |   |                            | Green  |   |   |  |  |
| Busch-Jaeger | 6513U-102        | 230/50Hz      | 40-420   | T      | Green                      |   |   |   |                            | Green  |   |   |  |  |
| Busch-Jaeger | 6523U-LED        | 230/50Hz      | 2-100    | L      | Green                      |   |   |   |                            | Green  |   |   |  |  |
| ELKO         | 315GLE           | 230/50Hz      | 20-315   | T      | Yellow                     |   |   |   |                            | Yellow |   |   |  |  |
| Gira         | 030700 I102      | 230/50Hz      | 20-525   | T      | Yellow                     |   |   |   |                            | Yellow |   |   |  |  |
| Jung         | 225 NVDE         | 230/50Hz      | 20-500   | L      | Green                      |   |   |   |                            | Green  |   |   |  |  |
| Legrand      | 665114           | 230/50Hz      | 400      | L      | Green                      |   |   |   |                            | Green  |   |   |  |  |
| Osram        | Hti DALI 315 DIM | 230/50Hz      | 20-315   | DALI T | Green                      |   |   |   |                            | Green  |   |   |  |  |
| Schneider    | ELKO 400GLI      | 230/50Hz      | 400      | /      | Green                      |   |   |   |                            | Green  |   |   |  |  |
| Siemens      | 5TC8 284         | 230/50Hz      | 20-525   | T      | Yellow                     |   |   |   |                            | Yellow |   |   |  |  |
| ABB          | STD50-3          | 230/50Hz      | 500      | RL     | Green                      |   |   |   |                            | Green  |   |   |  |  |
| Berker       | 2875             | 230/50Hz      | 60--600  | R      | Green                      |   |   |   |                            | Green  |   |   |  |  |
| Berker       | 2861 10          | 230/50Hz      | 50--420  | RLC    |                            |   |   |   |                            |        |   |   |  |  |
| Busch        | 2200 UJ-212      | 230/50Hz      | 60---400 | R      | Yellow                     |   |   |   |                            | Yellow |   |   |  |  |
| BUSCH        | 2247U            | 230/50Hz      | 500      | RL     | Green                      |   |   |   |                            | Green  |   |   |  |  |
| BUSCH        | 2250U            | 230/50Hz      | 50-424   | R      | Green                      |   |   |   |                            | Green  |   |   |  |  |
| BUSCH        | 6513 U-102       | 230/50Hz      | 40--420  | RC     | Green                      |   |   |   |                            | Green  |   |   |  |  |
| BUSCH        | 6517 U-101       | 230/50Hz      | 400      | RL     | Green                      |   |   |   |                            | Green  |   |   |  |  |
| BUSCH        | 6519 U           | 230/50Hz      | 50--550  | RC     | Green                      |   |   |   |                            | Green  |   |   |  |  |
| BUSCH        | 6523U            | 230/50Hz      | 2---100  | RL     | Green                      |   |   |   |                            | Green  |   |   |  |  |
| Busch        | Dimmer 2550KB    | 230/50Hz      | 600      | R      | Green                      |   |   |   |                            | Green  |   |   |  |  |
| ELSO         | 174120           | 230/50Hz      | 20---500 | RL     | Green                      |   |   |   |                            | Green  |   |   |  |  |
| EMT          | EMT              | 230/50Hz      |          | R      | Green                      |   |   |   |                            | Green  |   |   |  |  |
| GIRA         | 0300 00/01       | 230/50Hz      | 60---400 | R      | Green                      |   |   |   |                            | Green  |   |   |  |  |
| GIRA         | 0307 00/02       | 230/50Hz      | 20---525 | RC     | Green                      |   |   |   |                            | Green  |   |   |  |  |
| GIRA         | 0307 00/02       | 230/50Hz      | 20---525 | RC     | Yellow                     |   |   |   |                            | Yellow |   |   |  |  |
| GIRA         | 1176 00/04       | 230/50Hz      |          | RLC    |                            |   |   |   |                            |        |   |   |  |  |
| Hager        | WUD87            | 230/50Hz      | 25--400  | RLC    |                            |   |   |   |                            |        |   |   |  |  |
| JUNG         | 225 NV DE        | 230/50Hz      | 20---500 | RL     | Green                      |   |   |   |                            | Green  |   |   |  |  |
| JUNG         | 225 NV DE (LED)  | 230/50Hz      | 20---500 | RL     | Green                      |   |   |   |                            | Green  |   |   |  |  |

**Dimmability traffic light system:**



**Green** very good dimmability habits (Dimming range ≥ 75%)

**Yellow** good dimmability habits (Dimming range ≥ 60%)

**Red** partial critical dimmability habits (flickering or acoustic noises may occur) (Dimming range < 60%)

**White** not tested

**Lamp**

|                  |   |  |
|------------------|---|--|
| Type             | 1906 LED dim CL Edison 50   | 1906 LED dim GLOBE 50  |
| Product Picture  |  |  |
| EAN Product Code | 4052899972360   | 4052899972698  |
|                  | AB46576   | AB47113  |

**Dimmer**

| Brand     | Model          | Voltage range | Power    | Type   | Number of Lamps on dimmer: |   |   |   | Number of Lamps on dimmer: |   |   |   |
|-----------|----------------|---------------|----------|--------|----------------------------|---|---|---|----------------------------|---|---|---|
|           |                |               |          |        | 1                          | 2 | 3 | 4 | 1                          | 2 | 3 | 4 |
| JUNG      | 225 T DE       | 230V/50Hz     | 20---525 | RC     | Green                      |   |   |   | Green                      |   |   |   |
| KOPP      | 8033           | 230V/50Hz     | 40---400 | RL     | Green                      |   |   |   | Green                      |   |   |   |
| KOPP      | EUROPA 8078    | 230V/50Hz     |          | RC     | Green                      |   |   |   | Green                      |   |   |   |
| KOPP      | EUROPA 8078    | 230V/50Hz     |          | RC     | Green                      |   |   |   | Green                      |   |   |   |
| LEGRAND   | ADW-ETL4       | 230V/50Hz     | 420      | RC     | Yellow                     |   |   |   | Yellow                     |   |   |   |
| MERTEN    | MEF5170        | 230V/50Hz     | 10--200  | RLC    |                            |   |   |   |                            |   |   |   |
| MERTEN    | SBD315RC       | 230V/50Hz     | 20--315  | RC     | Green                      |   |   |   | Green                      |   |   |   |
| MERTEN    | SBD600RL       | 230V/50Hz     | 60---400 | R      | Green                      |   |   |   | Green                      |   |   |   |
| OSRAM     | DALI 315       | 230V/50Hz     | 3-200    | RC RLC | Green                      |   |   |   | Green                      |   |   |   |
| PEHA      | 433            | 230V/50Hz     | 60---300 | R      | Red                        |   |   |   | Red                        |   |   |   |
| PEHA      | 433 HAB        | 230V/50Hz     | 20--213  | RC     | Yellow                     |   |   |   | Yellow                     |   |   |   |
| PEHA      | 434 OA         | 230V/50Hz     | 60--400  | RC     | Green                      |   |   |   | Green                      |   |   |   |
| PEHA      | 435 HAN        | 230V/50Hz     | 60---600 | RL     | Green                      |   |   |   | Green                      |   |   |   |
| SCHNEIDER | ATD315         | 230V/50Hz     | 315      | RC     |                            |   |   |   |                            |   |   |   |
| SIEMENS   | 5TC8 283       | 230V/50Hz     | 25---500 | RL     | Green                      |   |   |   | Green                      |   |   |   |
| SIEMENS   | 5TC8 284       | 230V/50Hz     | 20-525   | RC     | Yellow                     |   |   |   | Yellow                     |   |   |   |
| SIEMENS   | 5WG1 527-1AB41 | 230V/50Hz     | 20---500 | RLC    | Green                      |   |   |   | Green                      |   |   |   |

**Please Note:**

- The compatibility list is based upon testing conducted by the manufacturer in a lab simulated environment, and the results can vary in certain field applications due to a number of factors. OSRAM does not take over any responsibility, warranty or liability that this results can also achieved by using the devices under other conditions, or when using successor models of the tested devices, or different models of the same manufacturer, or when using other LED lamp types
- The absence of a dimmer from this chart does not necessarily imply incompatibility.
- Please reference the dimmer manufacturer's instructions for installation.
- LED lamps contain several electronic components. Under unfavourable conditions these can lead to acoustic noise. In case of resonance even low noise can cause audible effect. Possible factors influencing this are the installation, the design of the lamp holder and the luminaire (acoustic resonance effect) as well as the dimmer or the transformer (harmonics or electronic resonance).
- Subject to change without notice
- Errors and omission excepted
- Always make sure to use the most recent release

**Application Notes:**

- For best dimming results trailing edge dimmer type is recommended.
- Trailing edge type dimmer requires the neutral wire for installation.

**Bitte beachten:**

- Die Kompatibilitätsliste basiert auf Tests, die der Hersteller in einer im Labor simulierten Umgebung durchgeführt hat. Die Ergebnisse können aufgrund verschiedener Faktoren in manchen Praxisanwendungen abweichen. OSRAM übernimmt keinerlei Verantwortung, Garantie oder Haftung dafür, dass diese Ergebnisse tatsächlich mit den Geräten unter anderen Bedingungen, mit Nachfolgemodellen der getesteten Geräte, mit anderen Modellen desselben Herstellers oder bei Verwendung anderer LED-Lampentypen erreicht werden.
- Das Fehlen eines Dimmers in der Abbildung bedeutet nicht, dass ein Dimmer nicht kompatibel ist.
- Lesen Sie stets die Installationsanweisungen des Dimmerherstellers.
- LED-Lampen bestehen aus mehreren elektronischen Komponenten. Unter ungünstigen Bedingungen können diese Störgeräusche erzeugen. Im Resonanzfall können selbst geringe Geräusche einen hörbaren Effekt hervorrufen. Einflussfaktoren können die Installation, die Gestaltung des Lampenträgers, die Leuchte (akustischer Resonanzeffekt), der Dimmer oder der Trafo (Oberschwingungen oder elektronische Resonanz) sein.
- Änderungen vorbehalten.
- Irrtümer und Auslassungen vorbehalten.
- Vergewissern Sie sich, dass Sie stets die aktuellste Version benutzen.

**Anwendungshinweis:**

- Um bestmögliche Dimmergebnisse zu erzielen, wird die Verwendung von Phasenabschnitt-Dimmern empfohlen.
- Phasenabschnitt-Dimmer erfordern bei der Installation einen Neutralleiter.

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