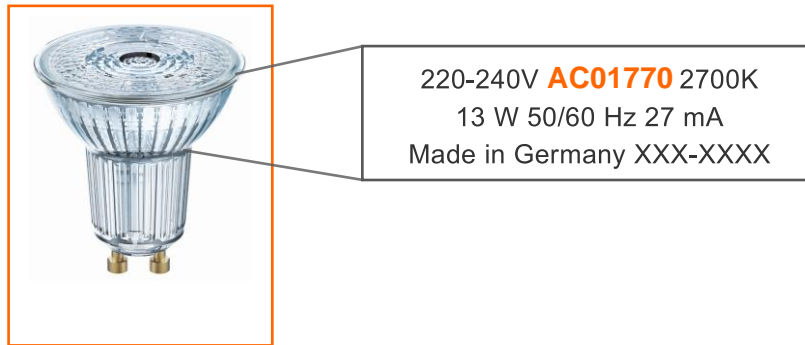


DIMMER COMPATIBILITY CL A (FILAMENT)

BASIC INFORMATION:

1. 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". Below an example for the product code of the stamp of the lamp:



2. HOW CAN I READ THE FOLLOWING CHARTS?

Legend:
Information about the dimmability of the lamps. Green means very good dimmability, yellow means limited dimmability, red means undesired dimmability etc.

List of dimmers tested in laboratory conditions

| Legend | | | | | SUPERSTAR PAR16 35 36° | | | | SUPERSTAR PAR16 50 36° | | | | SUPERSTAR PAR16 80 36° | | | | SUPERSTAR PAR16 80 120° | | | |
|---|--------------|----------|--------|-----|---------------------------|-----------|---------------|-----------|---------------------------|-----------|---------------|-----------|---------------------------|-----------|---------------|-----------|----------------------------|-----------|---------------|-----------|
| Very good dimmability with indicated number of lamps (dimming range greater than 75%) | | | | | | | | | | | | | | | | | | | | |
| Limited dimmability with indicated number of lamps (dimming range smaller than 75%) | | | | | | | | | | | | | | | | | | | | |
| Undesired dimmability | | | | | | | | | | | | | | | | | | | | |
| Not relevant | | | | | | | | | | | | | | | | | | | | |
| Not tested | | | | | | | | | | | | | | | | | | | | |
| EAN/Basic Code | | | | | 4052839330153/AC01184 | | | | 405283933017/AC01187 | | | | 4052839330218/AB41905 | | | | 405807503688/AC03043 | | | |
| EAN/Basic Code | | | | | 4052839330157/AC01182 | | | | 4052839330195/AC01184 | | | | 4052839330232/AB41906 | | | | 405807503682/AC03051 | | | |
| Dimmer | | | | | Number of Lamps | | Dimming range | | Number of Lamps | | Dimming range | | Number of Lamps | | Dimming range | | Number of Lamps | | Dimming range | |
| ABB | STD 50-3 | 230/50Hz | 60-500 | L | 1-20 | 98% - 15% | 1-13 | 98% - 20% | 1-8 | 97% - 23% | 1-8 | 97% - 23% | 1-20 | 98% - 15% | 2-20 | 97% - 12% | 2-20 | 98% - 16% | 2-20 | 98% - 16% |
| Altenburger Electronic | 50 30 | 230/50Hz | 15-350 | T | 1-10 | 98% - 15% | 2-10 | 97% - 1% | 1-4 | 96% - 1% | 1-4 | 96% - 1% | 1-20 | 98% - 1% | 2-9 | 98% - 1% | 1-6 | 97% - 9% | 1-6 | 97% - 9% |
| ALPORA | DSP 400 | 230/50Hz | 400 | L | 1-20 | 98% - 27% | 1-20 | 98% - 26% | 1-20 | 97% - 27% | 1-20 | 97% - 27% | 1-15 | 98% - 1% | 1-10 | 97% - 5% | 1-6 | 94% - 7% | 1-6 | 94% - 7% |
| Berker | 2861 | 230/50Hz | 50-420 | U | 2-20 | 98% - 1% | 2-9 | 98% - 1% | 1-6 | 97% - 9% | 1-6 | 97% - 9% | 2-20 | 99% - 19% | 2-12 | 97% - 19% | 1-8 | 95% - 22% | 1-8 | 95% - 22% |
| Blicino | L/NNT441N | 230/50Hz | | | 2-20 | 99% - 15% | 2-20 | 98% - 17% | 2-20 | 98% - 21% | 2-20 | 98% - 21% | 1-10 | 96% - 22% | 1-10 | 97% - 26% | 1-10 | 96% - 22% | 1-10 | 96% - 22% |
| Blicino | L/NNT4408 | 230/50Hz | | | 1-10 | 98% - 1% | 2-14 | 98% - 16% | 1-9 | 97% - 15% | 1-9 | 97% - 15% | 1-10 | 98% - 34% | 1-10 | 97% - 35% | 1-5 | 97% - 15% | 1-5 | 97% - 15% |
| Blicino | NT4402N | 230/50Hz | 500 | R | 1-20 | 98% - 15% | 1-13 | 98% - 20% | 1-8 | 97% - 23% | 1-8 | 97% - 23% | 1-20 | 98% - 1% | 1-13 | 98% - 20% | 1-8 | 97% - 9% | 1-6 | 97% - 9% |
| Busch-Jaeger | 6513 U-102 | 230/50Hz | 40-420 | T | 2-13 | 98% - 1% | 1-10 | 98% - 5% | 1-6 | 97% - 9% | 1-6 | 97% - 9% | 1-11 | 98% - 1% | 1-10 | 99% - 1% | 1-5 | 99% - 7% | 1-5 | 99% - 7% |
| Busch-Jaeger | 6523 U-102 | 230/50Hz | 420 | T | 1-10 | 98% - 1% | 1-10 | 99% - 1% | 1-5 | 99% - 7% | 1-5 | 99% - 7% | 1-10 | 98% - 1% | 1-10 | 99% - 1% | 1-4 | 97% - 1% | 1-4 | 97% - 1% |
| Busch-Jaeger | 2250 U | 230/50Hz | 60-600 | L | 1-10 | 98% - 1% | 1-10 | 98% - 7% | 1-20 | 97% - 10% | 1-20 | 97% - 10% | 2-20 | 98% - 6% | 1-20 | 98% - 7% | 1-20 | 97% - 10% | 1-20 | 97% - 10% |
| Busch-Jaeger | 6526 U | 230/50Hz | | | 1-20 | 98% - 1% | 1-13 | 97% - 1% | 1-8 | 96% - 1% | 1-8 | 96% - 1% | 1-10 | 98% - 1% | 1-13 | 97% - 4% | 1-10 | 97% - 19% | 1-10 | 97% - 19% |
| Busch-Jaeger | 2247 U-500 | 230/50Hz | | | 1-14 | 98% - 1% | 1-13 | 97% - 4% | 1-10 | 97% - 19% | 1-10 | 97% - 19% | | | | | | | | |
| CENTURY CONTROL | MULTI DIMMER | 230/50Hz | 60-600 | L | | | | | | | | | | | | | | | | |
| DINUY | RE EL1LE1 | 230/50Hz | 400 | LED | | | | | | | | | | | | | | | | |
| ELKO | 400GLI | 230/50Hz | | | | | | | | | | | | | | | | | | |
| ELKO | 316GLE | 230/50Hz | 20-315 | T | | | | | | | | | | | | | | | | |
| ELKO | 600GLI | 230/50Hz | 40-600 | U | | | | | | | | | | | | | | | | |
| ELKO | 420GLEI | 230/50Hz | 40-420 | U | | | | | | | | | | | | | | | | |

Information about the LEDVANCE lamp type

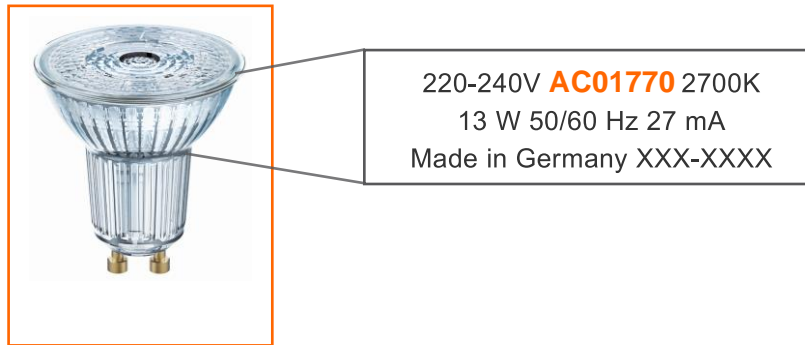
Assessment of the results into categories. Includes the number of lamps and the related dimming range

DIMMER COMPATIBILITY CL A (FILAMENT)

BASISINFORMATIONEN:

1. WAS IST DER PRODUKTCODE UND WO FINDE ICH IHN?

Der Produktcode beschreibt den Lampentyp. Er besteht aus sieben Buchstaben und Ziffern und beginnt mit einem "A". Nachfolgend ein Beispiel eines Produktcodes auf dem Aufdruck der Lampe.



2. WIE LESE ICH DIE FOLGENDEN TABELLEN?

Legende: Angaben zur Dimmbarkeit der Lampen. Grün bedeutet eine sehr gute Dimmbarkeit mit der angegebenen Lampenanzahl, gelb bedeutet eine eingeschränkte Dimmbarkeit, rot bedeutet, dass unerwünschtes dimmverhalten auftreten kann etc.

Liste der getesteten Dimmer

| Legend | | | | | SUPERSTAR | | | |
|---|---------------|-----------------|---------------|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | | | | PAR16 35 36* | PAR16 50 36* | PAR16 80 36* | PAR16 80 120* |
| Very good dimmability with indicated number of lamps (dimming range greater than 75%) | | | | | | | | |
| Limited dimmability with indicated number of lamps (dimming range smaller than 75%) | | | | | | | | |
| Undesired dimmability | | | | | | | | |
| Not relevant | | | | | | | | |
| Not tested | | | | | | | | |
| Dimmer | | | | | EAN/Basic Code | | | |
| Brand | Model | Voltage range | Power | Type | EAN/Basic Code | EAN/Basic Code | EAN/Basic Code | EAN/Basic Code |
| ABB | STD 50-3 | 230V50Hz | 60-500 | L | 4052839330153/AC01184 | 4052839330171/AC01187 | 4052839330218/AB41905 | 4058075036889/AC03049 |
| Altenburger Electronic | 50_30 | 230V50Hz | 15-350 | T | 4052839330157/AC01192 | 4052839330195/AC01194 | 4052839330232/AB41906 | 4058075036889/AC03051 |
| ALPORA | DSP 400 | 230V50Hz | 400 | L | | | | |
| Berker | 2861 | 230V50Hz | 50-420 | U | | | | |
| Blicino | LANNT4411N | 230V50Hz | | | | | | |
| Blicino | LANNT4408 | 230V50Hz | | | | | | |
| Blicino | NT4402N | 230V50Hz | 500 | R | | | | |
| Busch-Jaeger | 6513 U-102 | 230V50Hz | 40-420 | T | | | | |
| Busch-Jaeger | 6523 U-102 | 230V50Hz | 420 | T | | | | |
| Busch-Jaeger | 2250 U | 230V50Hz | 60-600 | L | | | | |
| Busch-Jaeger | 6526 U | 230V50Hz | | | | | | |
| Busch-Jaeger | 2247 U-500 | 230V50Hz | | | | | | |
| CENTURY CONTROL | MULTI DIMMER | 230V50Hz | 60-600 | L | | | | |
| DINUY | RE ELTLE1 | 230V50Hz | 400 | LED | | | | |
| ELKO | 400GLI | 230V50Hz | | | | | | |
| ELKO | 316GLE | 230V50Hz | 20-315 | T | | | | |
| ELKO | 600GLI | 230V50Hz | 40-600 | U | | | | |
| ELKO | 420GLEI | 230V50Hz | 40-420 | U | | | | |
| Number of Lamps | Dimming range | Number of Lamps | Dimming range | Number of Lamps | Dimming range | Number of Lamps | Dimming range | |
| 1-20 | 98% - 15% | 1-13 | 98% - 20% | 1-8 | 97% - 23% | 1-8 | 97% - 23% | |
| 2-20 | 98% - 15% | 2-20 | 97% - 12% | 2-20 | 98% - 16% | 2-20 | 98% - 16% | |
| 1-10 | 98% - 15% | 2-10 | 97% - 1% | 1-4 | 96% - 1% | 1-4 | 96% - 1% | |
| 1-20 | 98% - 27% | 1-20 | 98% - 26% | 1-20 | 97% - 27% | 1-20 | 97% - 27% | |
| 1-15 | 98% - 1% | 1-10 | 97% - 5% | 1-6 | 94% - 7% | 1-6 | 94% - 7% | |
| 2-20 | 98% - 1% | 2-9 | 98% - 1% | 1-6 | 97% - 9% | 1-6 | 97% - 9% | |
| 3-19 | 99% - 19% | 2-12 | 97% - 19% | 1-8 | 95% - 22% | 1-8 | 95% - 22% | |
| 2-20 | 99% - 15% | 2-20 | 98% - 17% | 2-20 | 98% - 21% | 2-20 | 98% - 21% | |
| 1-10 | 96% - 22% | 1-10 | 97% - 26% | | | | | |
| 1-10 | 98% - 16% | 2-14 | 98% - 16% | 1-9 | 97% - 15% | 1-9 | 97% - 15% | |
| 1-13 | 98% - 34% | 1-10 | 97% - 35% | 1-5 | | 1-5 | | |
| 1-20 | 98% - 15% | 1-13 | 98% - 20% | 1-8 | 97% - 23% | 1-8 | 97% - 23% | |
| 2-13 | 98% - 1% | 1-10 | 98% - 5% | 1-6 | 97% - 9% | 1-6 | 97% - 9% | |
| 1-11 | 98% - 1% | 1-10 | 99% - 1% | 1-5 | 99% - 7% | 1-5 | 99% - 7% | |
| 1-10 | | 1-10 | | 1-4 | 97% - 1% | 1-4 | 97% - 1% | |
| 2-20 | 98% - 6% | 1-20 | 98% - 7% | 1-20 | 97% - 10% | 1-20 | 97% - 10% | |
| 1-20 | 98% - 1% | 1-13 | 97% - 1% | 1-8 | 96% - 1% | 1-8 | 96% - 1% | |
| 1-14 | 98% - 1% | 1-13 | 97% - 4% | 1-10 | 97% - 19% | 1-10 | 97% - 19% | |

Angaben zum LEDVANCE Lampentyp

Bewertung der Testergebnisse in Ampel Kategorien. Beinhaltet sowohl die Lampenanzahl als auch den dimmbaren Bereich

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. LEDVANCE 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. LEDVANCE 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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