



Wichtige Hinweise zur Dimmung!



Vor Verwendung der BULLED unbedingt beachten!

Unsere BULLEDs sind generell mit allen im Handel erhältlichen Phasenabschnittsdimmern dimmbar.

Der Betrieb an Phasenanschnittsdimmern ist nicht vorgesehen! Bei Zuwiderhandlung verfällt der Garantieanspruch!

Bei dem Betrieb an Phasenanschnittsdimmern können Bulleds und Dimmer Schaden nehmen.

Dimmbereich:

Bei dem Betrieb von nur einer BULLED ist bei einigen Dimmern der Einstellbereich nach unten auf 20% Resthelligkeit begrenzt. Möchten Sie bis zu 0% Helligkeit dimmen empfehlen wir Universal-Dimmer bei denen der Dimmbereich individuell eingestellt werden kann.

Wieviele BULLEDs pro Dimmer?

Wir empfehlen pro 100 Watt zur Verfügung stehender Dimmleistung nicht mehr als 6 BULLEDs anzuschließen.

Beispiel: Ein handelsüblicher 500 Watt Dimmer für 1 – 30 BULLEDs.



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www.ledo-led.com | www.mybulled.com

Frequently asked questions (FAQ)

Q: Meine Leuchte hat einen integrierten Dimmer, kann ich die Bulled darin betreiben?

A: Nein. Dimmer, welche in Leuchten verbaut werden (im Leuchtenkörper oder in der Zuleitung integriert) sind nicht zulässig. Es handelt sich bei diesen Dimmern sehr häufig um Phasenanschnittsdimmer, beim Betrieb an diesen Dimmern können Bulled und Dimmer Schaden nehmen.

Q: Ich weiß nicht ob ich einen Phasenanschnitts- oder einen Phasenabschnittsdimmer habe. Woran kann ich das erkennen?

A: Anhand der Typennummer des Dimmers kann der Fachhandel oder eine Internetrecherche helfen um in Erfahrung zu bringen, um was für einen Dimmer es sich handelt. Phasenabschnittsdimmer werden oft auch beschrieben mit dem Zusatz „Für elektronische Vorschaltgeräte“, oder „Für LED-Leuchtmittel geeignet“.

Q: Wieso kann die Bulled nicht an Phasenanschnittsdimmern betrieben werden?

A: Die Bulled enthält ein sogenanntes elektronisches Vorschaltgerät. Phasenabschnittsdimmer sind für solche elektronischen Geräte geeignet, Phasenanschnittsdimmer vom Prinzip her jedoch nicht, da diese nur für einfache ohmsche Verbraucher (z.B. Glühbirnen) konzipiert wurden. Will man nun doch ein elektronisches Vorschaltgerät herstellen, welches auch an Phasenanschnittsdimmern zuverlässig gedimmt werden kann, müsste man in Kauf nehmen dass die Effizienz drastisch sinkt, also die Lampe insgesamt weniger energiesparend ist. Außerdem ist die Lebensdauer bei Betrieb an Phasenanschnittsdimmern sehr kurz. Nicht nur die Bulled wäre massivem elektrischen Stress ausgesetzt, sondern auch der Dimmer. Aus diesen Gründen haben wir uns dazu entschieden keine Kompatibilität mit Phasenanschnittsdimmern aufzunehmen, auch wenn diese in der Praxis sehr gerne eingesetzt werden da Sie in der Regel etwas günstiger sind als Phasenabschnittsdimmer.



Important notes on dimming!



Please read carefully before using the BULLED!

Our BULLEDs are generally dimmable with all trailing edge dimmers available in stores.

The BULLED is not intended for use with leading edge dimmers! The warranty becomes void when it is used in this way!

BULLEDs and dimmers can sustain damage when leading edge dimmers are used.

Dimming range:

When using only one BULLED, some dimmers limit the adjustable range to a minimum of 20%. If you would like to dim down to 0% brightness, we recommend you use universal dimmers which allow individual adjustment of the dimming range.

How many BULLEDs per dimmer?

We recommend using no more than 6 BULLEDs per 100 Watts of available dimming power.

Example: one regular 500-Watt dimmer for 1-30 BULLEDs.



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A: No. Dimmers that are built into lamps (integrated into the fixture or the input lead) may not be used. These dimmers are very frequently leading edge dimmers and their use can result in damage to the BULLED as well as to the dimmer.

Q: I don't know whether I have a trailing edge or leading edge dimmer. How can I tell?

A: By looking at the type number of the dimmer, with the help either of a specialist salesperson or the Internet, you can find out what kind of dimmer yours is. Trailing edge dimmers are also often described with the phrases "for electronic add-on devices" or "suitable for LED illuminants".

Q: Why can the BULLED not be used with leading edge dimmers?

A: The BULLED contains a so-called electronic cut-in unit. Trailing edge dimmers are suitable for such devices, leading edge dimmers, however, are not, since they are only intended for use with simple ohmic consumers. If we were to produce an electronic cut-in device which is also dimmable with leading edge dimmers, we would have to accept a drastic loss of efficiency, which means that the lamp would be less energy-efficient all in all. Additionally, the operating life is very short when leading edge dimmers are used. Not only the BULLED would be exposed to massive electric stress, but also the dimmer. For these reasons we have decided not to include compatibility with leading edge dimmers even though these are very popular in practice since they are slightly cheaper than trailing edge dimmers.



Informazioni importanti sulla regolazione

Prima di usare la BULLED, leggere attentamente le seguenti indicazioni!



In generale, le nostre BULLED sono regolabili con tutti i dimmer a taglio di fase discendente presenti in commercio.

**L'uso con dimmer a taglio di fase ascendente non è previsto!
In caso di trasgressione, la garanzia viene meno!**

Usando dimmer a taglio di fase ascendente, le BULLED e i dimmer possono subire danni.

Campo di regolazione:

se si usa una sola BULLED, alcuni modelli di dimmer limitano la configurazione verso il basso al 20% di luminosità residua. Se si desidera raggiungere lo 0%, consigliamo varialuce universali che consentano di personalizzare il campo di regolazione.

Quante BULLED per ciascun dimmer?

Per ogni 100 Watt di potenza a disposizione, consigliamo non più di 6 BULLED. **Esempio:** un dimmer da 500 Watt può essere usato per un numero di BULLED che varia da 1 a 30.



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Domande frequenti (FAQ)

Q: La mia lampada ha un dimmer integrato. Posso usarla con una BULLED?

R: No. I dimmer incorporati nelle lampade (nel corpo o nella linea di alimentazione) non sono ammessi. Molto spesso, infatti, si tratta di dimmer a taglio di fase ascendente, che possono danneggiare tanto le BULLED quanto i dimmer stessi.

Q: Non so se il mio dimmer è a taglio di fase ascendente o discendente. Come faccio a capirlo?

R: Con il codice del modello è possibile chiedere al proprio rivenditore o cercare su Internet di che tipo di dimmer si tratti. I dimmer a taglio di fase discendente vengono spesso descritti con l'integrazione "Per alimentatori elettronici" oppure "Adatto a lampadine a LED".

Q: Perché la BULLED non funziona con un dimmer a taglio di fase ascendente?

R: La BULLED contiene un cosiddetto alimentatore elettronico. I dimmer a taglio di fase discendente sono compatibili con questi dispositivi, mentre quelli a taglio di fase ascendente no, poiché sono concepiti solo per consumatori ohmici semplici (p.es. lampadine a incandescenza).

Se si volesse realizzare ugualmente un alimentatore elettronico regolabile con un dimmer a taglio di fase ascendente, bisognerebbe rassegnarsi ad un drastico calo dell'efficienza, ottenendo una lampadina in grado di risparmiare complessivamente meno energia. Senza contare che la vita utile con un dimmer a taglio di fase ascendente è molto breve. Sia la BULLED che il dimmer sarebbero sottoposti ad uno stress elettrico enorme.

Per tali ragioni, abbiamo deciso di rinunciare alla compatibilità con i dimmer a taglio di fase ascendente, anche se questi vengono utilizzati spesso e volentieri poiché più economici di quelli a taglio di fase discendente.



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