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

#1) Dimmers are tested with the number of LED light sources mentioned in the column “Dimming performance”. A number of LED light sources outside the listed range may result in less optimal behavior.

   Although not specifically tested, some dimmers can be loaded with more light sources than specified in this document.

#1a) Most (non-LED dedicated) dimmers can be loaded with LED light sources up to 20% of dimmer specified maximum power. Example: Dimmer 400W = 20% = 80W which means that e.g. up to 16 pcs 5W LED light sources can be connected.

#1b) LED dimmers can be loaded up to the specified maximum dimmer power (Wattage).

#2) Always study the packaging of LED light sources if these can be used in combination with occupancy/motion sensors.

#3) Glowing means: when connected to a dimmer in its off-state, a LED light source may still emit a small yet visible amount of light. This may e.g. occur if a low quantity of LED light sources is connected.

#4) “Dimming range” color indications and criteria (all percentages relate to the LED light source full power):

   Green cell: minimum dimming level is below 10% and maximum level at least 80%.
   Yellow cell: minimum dimming level is between 10% and 20% (inclusive) AND maximum level is above or equal to 80%.
   Red cell: not compatible.
   Grey cell: the dimmer - LED light source combination is not applicable.
   White cell: no data available.

#5) Various dimmer suppliers offer “active loads” to optimize dimming performance in case of light source-dimmer system issues. (e.g. Busch-Jaeger Compensator 6566).

#6) This list is based on measurements performed in a lab environment at nominal mains voltage, different mains voltages may result in a different dimming range.

#7) Dimmer manufacturers may change the technical design of their dimmer without informing Philips / Signify. Such changes may affect the performance when used in combination with LED light sources.

#8) In general Philips dimmable LED light sources can be dimmed with any type of dimmer (type R, RL, RC or RLC).

#9) Mixed loads may give unexpected dimming behavior or even result in defects, for which Philips / Signify can not be held responsible.

#10) LED light source are dimmable across the indicated dimming range, but may exhibit minor flickering at distinct dim settings.

#11) The information contained here is believed to be accurate at the time it was published, but is provided “AS IS”.

© 2024 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Specifically mentioned products, materials and/or tools from third parties are only indicative and reference to these products, materials and/or tools does not necessarily mean they are endorsed by Signify.