Signify's claims – BankInvest video: En fortælling om lysets rolle i den grønne omstilling

1. **"Not many people know this, but twelve percent of global electricity consumption comes from lighting, and five per cent of global CO2-emissions."**
   a. **[12% of global electricity consumption comes from lighting]**
   b. **[5% of global C02 emissions comes from lighting]**

Source: calculated by Signify based on 2020 figures by the IEA combined with data on global electricity consumption and CO2-emissions.

2. **"As a point of reference aviation contributes 2% of CO2-emissions globally."**
   i. **[Aviation industry contributes 2% of global C02 emissions]**

Source: IEA: https://www.iea.org/reports/aviation

3. **"There are 33 billion light points in the world. If you come from conventional lighting, you can reduce energy consumption and the associated carbon emissions by 50%, just by moving to LED lighting. If you add a connected system to that, such as motion control and sensors, you can reduce again to get down to less than 90% of the impact of traditional lighting."**
   a. [35% of all light points in the world (approx 33 billion) utilize conventional technologies.]
   b. [Converting all estimated conventional light points to LED technology can cut energy consumption and carbon emissions by up to an estimated 50%]
   c. [Utilizing a connected system to control the LED technology with, e.g., motion control, sensors, etc., can further reduce energy consumption by up to an estimated 90% as compared to conventional technology.]

These reductions are estimations. The energy efficiency depends on which Ultra Efficient LED bulb you use, and how you apply it. For examples of calculations, sources, and documentation, please see the following, non-exhaustive, list of webpages:

1. New Ultra Efficient LEDs offer extraordinary energy savings | Signify Company Website
2. https://www.lighting.philips.com/main/prof/led-lamps-and-tubes/led-bulbs/master-ultraefficient-led-bulb/929003066402_EU/product
3. https://www.lighting.philips.com/products/highlighted-products/ultraefficientprof
4. https://www.assets.signify.com/is/content/PhilipsLighting/Assets/philips-lighting/global/20221014-ph-master-led-range-ultraefficient-brochure-q3.pdf
5. https://solarlits.com/jd/6-131
6. https://lightingcontrolsassociation.org/2013/09/16/estimating-energy-savings-with-lighting-controls/
7. https://www.sciencedaily.com/releases/2011/07/110712093623.htm

8. https://iea.blob.core.windows.net/assets/4d5c939d-9c37-490b-bb53-2c0d23f2cf3d/G20EmpoweringCitiesforaNetZeroFuture.pdf

3. **"A great example is a project we just ran outside Dubai. It is the world's largest indoor farm. We have enabled them to use just the right lighting at the right time, the result being a 95% reduction in water consumption for those crops."**

   Source: Bustanica: Our Technology – Bustanica