



Press Release

December 21, 2020

Signify and Honeywell team up to deploy integrated lighting solutions to improve building occupant experience

- Honeywell adds Signify's lighting systems and software to its Healthy Buildings solutions to support occupant productivity and well-being
- Collaboration integrates Signify's UV-C disinfection lighting, Interact connected lighting, human-centric lighting, and occupancy, space and environmental monitoring
- Building owners and operators can better manage energy consumption

Somerset, New Jersey – [Signify](#) (Euronext: LIGHT), the world leader in lighting, and Honeywell (NYSE: HON), a global leader in connected buildings, today announced a strategic alliance to deploy integrated lighting solutions for commercial buildings. Together, the companies aim to improve the occupant experience – focusing on productivity and well-being – and to reduce energy consumption.

The collaboration integrates Signify's [Interact](#) connected lighting system and software, and its [UV-C disinfection lighting](#), with Honeywell Building Management Systems and the Honeywell Forge enterprise performance management platform. The combined offerings will manage energy consumption, while factoring in occupancy along with air quality indicators such as temperature and humidity. Signify's lighting solutions* will complement Honeywell's Healthy Buildings air quality solutions beginning in early 2021, and can be controlled, measured and monitored via the Healthy Buildings dashboard to understand air and surface cleaning compliance and metrics.

Signify offers additional lighting designed to support building occupant productivity and well-being. These include [human-centric lighting](#) and UV-C disinfection lighting. UV-C breaks down the DNA or RNA of micro-organisms, including viruses and bacteria, rendering them harmless. In laboratory testing, Signify's UV-C light sources reduced SARS-CoV-2 virus infectivity on a surface to below detectable levels in as few as nine seconds.ⁱ

Additionally, building owners and operators will be able to better manage lighting systems and energy efficiency. Lighting represents 17% of all electricity used in US commercial buildings, according to the Commercial Buildings Energy Consumption Survey,ⁱⁱ making it the largest end use of electricity in buildings.

Signify's connected LED lighting system, [Interact Office](#), can save up to 70% of the energy used for lightingⁱⁱⁱ. Deploying advanced building controls and sensing, like those from Honeywell, can save up to 30% in facility energy costs.^{iv}

* Signify's products (including its UV-C air and surface disinfection products) are not medical devices. They are not approved, certified or registered as medical devices in any jurisdiction, and are not meant to be used for the disinfection of medical devices or for other medical purposes.



“Increasingly, we see lighting systems playing a critical role in buildings to improve occupant comfort, well-being and productivity as well as to help meet energy-savings goals. We anticipate that this trend will continue to grow,” said Vimal Kapur, President and CEO, Honeywell Building Technologies. “Our collaboration with Signify will allow us to enable our customers to help improve the occupant experience with customizable lighting solutions that can be integrated into our Honeywell Forge and Building Management Systems platforms.”

“Many of our customers expect our solutions to deliver value beyond illumination,” said Harsh Chitale, Leader of Signify’s Digital Solutions Division. “We look forward to collaborating with Honeywell and jointly developing products and systems that not only deliver end-user benefits, such as increased well-being and productivity, but are also easy to commission and maintain.”

Integrated Building and Lighting Systems to Serve Patients at Malaysian Eye Clinics

Honeywell and Signify are deploying integrated offerings at OPTIMAX Eye Specialists in Malaysia to help the network of clinics improve air, surface and object disinfection efforts.

“Honeywell and Signify offered our clinics a complete solution for air, surface and object disinfection. We can clearly communicate to clinicians, staff and patients how we are working to support well-being in our spaces,” said Tan Sri Dato’ Tan Boon Hock, Founder, OPTIMAX Eye Specialists Centre.

The clinics are using Signify UV-C lighting in upper air luminaries and in Honeywell-controlled fan coil units, for example, to disinfect air[±] and surfaces[§] in rooms. Honeywell’s Healthy Buildings dashboard will control and monitor the Signify lighting technologies in the clinics.

The integrated Honeywell and Signify products can support the needs of any building; specific solutions are available for premium commercial buildings, airports, hospitality, education and retail. Honeywell and Signify are also currently deploying the integrated solutions in several Honeywell global offices.

Honeywell’s [Healthy Buildings solutions](#) help building owners improve their building environments, operate more cleanly and safely, comply with social distancing policies, and help reassure occupants about returning to the workplace. By integrating air quality, safety and security technologies along with advanced analytics, Honeywell’s Healthy Buildings solutions are designed to help building owners minimize potential risks of contamination and improve business continuity by monitoring both the building environment and building occupants’ behaviors.

References

i Nadia Storm et al, Rapid and complete inactivation of SARS-CoV-2 by ultraviolet-C irradiation, 2020. Subject to peer review and available only as a pre-print at <https://www.researchsquare.com/article/rs-65742/v2>. The UV-C irradiance used in this study was 0.849 mW/cm².

ii US Energy Information Administration, 2018 Commercial Buildings Energy Consumption Survey Preliminary Results, CBECs 2012 [Trends in Lighting in Commercial Building](#), Released May 17, 2017 [Accessed December 6, 2020]

[±] The germicidal effectiveness of UV-C light sources is proportional to the exposure time of the microorganism to the UV-C light source and the intensity of the UV-C light source. Therefore, sufficient air flow in the room (which may be achieved through forced air flow or natural convection) is required for effective operation of Signify’s UV-C upper air disinfection luminaire solutions.

[§] Signify’s UV-C surface disinfection products (fitted with Signify’s UV-C light sources) will achieve the same level of virus infectivity reduction as long as the same UV-C dose is achieved on each area of surface that is irradiated.



iii The Climate Group, [Smarter energy: accelerating business use of indoor connected LED lighting](#), October 19 2020 [Accessed December 14, 2020]

iv Pacific Northwest National Laboratory, Impacts of Commercial Building Controls on Energy Savings and Peak Load Reduction, May 2017 [Accessed November 17, 2020]

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About Signify

[Signify](#) (Euronext: LIGHT) is the world leader in lighting for professionals and consumers and lighting for the Internet of Things. Our [Philips](#) products, [Interact](#) connected lighting systems and data-enabled services, deliver business value and transform life in homes, buildings and public spaces. With 2019 sales of EUR 6.2 billion, we have approximately 37,000 employees and are present in over 70 countries. We unlock the extraordinary potential of light for brighter lives and a better world. We [achieved](#) carbon neutrality in 2020, have [been](#) in the Dow Jones Sustainability World Index since our IPO for four consecutive years and were named [Industry Leader](#) in [2017](#), [2018](#) and [2019](#). News from Signify is located at the [Newsroom](#), [Twitter](#), [LinkedIn](#) and [Instagram](#). Information for investors can be found on the [Investor Relations](#) page.

About Honeywell Building Technologies

Honeywell Building Technologies (HBT) is a global business with more than 20,000 employees. HBT creates products, software and technologies found in more than 10 million buildings worldwide. Commercial building owners and occupants use our technologies to ensure their facilities are safe, energy efficient, sustainable and productive. For more news and information on Honeywell Building Technologies, visit <http://www.honeywell.com/newsroom>.

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