

Press Information

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Philips introduces connected lighting systems to improve business outcomes

Increasing energy efficiency and supporting workflows in industry, transportation and logistics centers

Frankfurt, Germany – At Light + Building 2014, Philips showcases a range of connected and intelligent lighting systems that bring tangible bottom-line benefits to business operations. Wireless and network-enabled LED lighting helps businesses to reduce operational costs through increased energy efficiency – and without needing to invest in additional lighting infrastructure.

The right light delivered at the right place to increase warehouse efficiency

Lighting represents the majority of utility expense in a warehouse, accounting for 50-70% of energy use. Philips' **intelligent warehousing** system enables businesses to distribute light according to usage patterns resulting in greatly improved energy efficiency.

For example, if a forklift was collecting an item at the front of an aisle which could be dozens of metres long, only the specific area at the front of the aisle would be lit up. The lighting system enables warehouse operators to create scalable "lighting zones" that align with their workflows in the warehouse. The system can also be easily reconfigured with a wireless remote, so that the lighting can be customized every time the warehouse has a new layout or if a new tenant moves in. No additional infrastructure is required, with wireless-enabled luminaires talking directly to wireless-enabled motion sensors.

Remote light management for safe and efficient transport and logistics centers

Philips' **intelligent area** LED system is a complete lighting solution for airports, harbors, and industrial logistics centers.

An airport, harbor or logistics center requires high light levels for 24/7 operations, enabling safe night-time loading, unloading or maintenance activity, typically illuminated by floodlighting. LED lighting is particularly advantageous for these applications, delivering high quality light while using far less energy than conventional floodlights. Precisely controlled light distribution of the LED lighting also reduces light pollution in large transport and logistics centers that are flood-lit with high-powered lighting. Additionally, with mast heights regularly reaching 36 meters for floodlighting, a long lifetime of the lighting is crucial to keep maintenance costs down.

Philips intelligent area system lowers energy usage by up to 65% by regulating and controlling the lighting in reaction to its environment, using intelligent zonal sensors that can detect motion, daylight and other inputs across the area covered.

The system also supports key business processes while ensuring energy efficiency, by interfacing with operational management and dispatching systems. For instance, in an airport, the area around a plane's parking gate needs different light levels for passenger boarding and loading, plane maintenance or when simply parked until the next flight. Interface with the central dispatching system ensures light levels appropriate to the task, conserving energy when high light levels are unnecessary.

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