Integrated occupancy sensing and daylight harvesting

SpaceWise accessory for EvoKit LED Retrofit kits
What is SpaceWise technology for EvoKit LED Retrofit Kits?
Traditionally, significant energy savings using controls required complicated planning and expensive commissioning to ensure continued savings. Aggressive energy savings without controls sometimes came at the cost of light levels or increased glare. EvoKit with SpaceWise Technology offers these deep savings without sacrificing tenant satisfaction.

EvoKit with SpaceWise Technology is a stand alone LED lighting system with integrated occupancy sensing and daylight harvesting, designed specifically for large open office spaces.

• Designed with a minimalistic strategy to achieve sustainable objectives
• Appropriate for retrofit
• No reciruclting or new control wires required
• Estimated combined system savings from wattage and controls can be 50–70%*

The benefits of lighting controls, without the hassle...

* Against a comparison baseline of 3-lamp T8 2x4 troffers on 8’ x 10’ centers, without dimming controls
How does it work?

When the first occupant enters, the lighting zone brightens up gently to a background level.

As each occupant arrives at their workstation, luminaires in the immediate area brighten up to full illumination.

When people leave for meetings or lunch significant energy is saved.

Daylight harvesting occurs automatically, saving even more energy throughout the day.
EvoKit with SpaceWise Technology is automated and focused on user comfort.

- Tested with occupants to ensure occupant satisfaction*
- Dimmed lights are visually subtle
- Fade up and down rates are slow and unobtrusive

*Based on before and after occupant surveys using a third party independent lighting satisfaction survey tool.

When people leave their workstations the luminaires gently dim to background level.

The lighting zone turns off after the last person leaves.
Is it **easy** to set up?

EvoKit with SpaceWise Technology is simple to install.

- Stand alone system
- Plug and play with easy grouping
- No network, computer, or light meter required
- Auto calibration, no daylight commissioning
- Granular dimming for deep energy savings

Each luminaire has integrated sensors and a wireless controller. The luminaires are grouped into a standalone network of up to 50 luminaires using a handheld remote. Users can pick a high, normal or low max light output per group to accommodate partition height, reflectances and light level requirements. Within the defined group the lights dim or brighten individually based on each luminaire’s occupancy and daylight sensing coverage.

Embedded controls in each luminaire combine presence detection and daylight dimming to save energy.

Remote control must be ordered separately.

wireless and **easy to install**
Philips EvoKit LED Retrofit Kits with SpaceWise Technology

Does it really save energy?

EvoKit with SpaceWise Technology offers what building owners and managers really want, deep and scalable energy savings without sacrifice. Light when you need it, where you need it. Energy data for the dimmed conditions is provided in the table below.

<table>
<thead>
<tr>
<th>Model</th>
<th>Initial Lumens</th>
<th>Input Power</th>
<th>Lumens per Watt</th>
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<tbody>
<tr>
<td>EvoKit 2x2 P 32L 31W 840 2 0-10 7 G2</td>
<td>3280</td>
<td>32</td>
<td>103</td>
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<tr>
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<td>40</td>
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<table>
<thead>
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<th>Model</th>
<th>Initial Lumens</th>
<th>Input Power Max</th>
<th>Input Power Background</th>
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<tbody>
<tr>
<td>EvoKit with Spacewise (SWZ) 2x2</td>
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<td>12/13</td>
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<tr>
<td>High Power Setting (120/277V)</td>
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<td>29/29</td>
<td>11/12</td>
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<td>Medium Power Setting (120/277V)</td>
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<td>10/11</td>
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<td>Low Power Setting (120/277V)</td>
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<td>14/15</td>
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