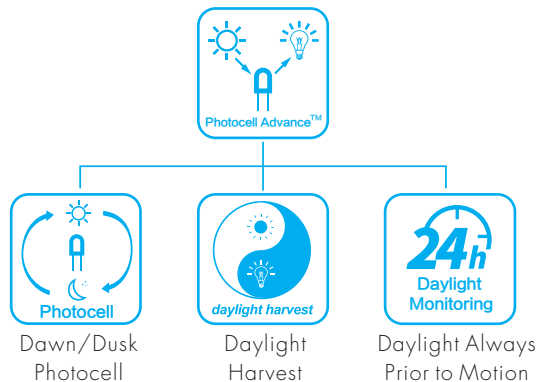


Introduction of Photocell Advance™

Photocell Advance™



Three key features:

1. Automatically turn on/off luminaire whenever pre-set lux requirement is fulfilled.
2. Daylight harvest works perfectly even when completely placed inside luminaire cover.
3. Even if there is constant movement around, the daylight sensor is still monitoring the ambient lux level and turns the light off.

It is well known that LED lights have a total different spectrum to natural light. Based on this principle, Hytronik has developed a special photocell supported by sophisticated software algorithms to measure and differentiate natural light from LED light. The result is that advanced daylight controls are now achievable from behind the luminaire cover.

Traditional solutions required a photocell which could not work behind the cover and require large holes to be made in the fixture. This was particularly costly for mass production and difficult for retrofit IP65 rated luminaires.

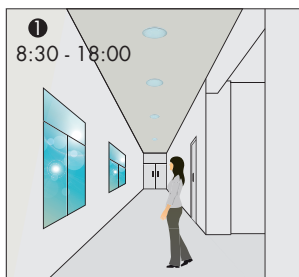
Even when placed inside luminaire completely, Photocell Advance can fulfill these functions without needing to expose the photocell outside.



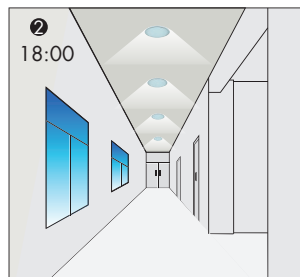
**No extra components
No drilling required**

Application Example:

Hold time: 10min; Daylight Threshold: 100lux; Standby Dimming Level: 10%; Standby Period: Infinity



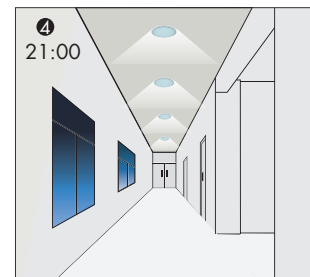
The light remains off when natural light level exceeds daylight threshold preset, even if motion is detected.



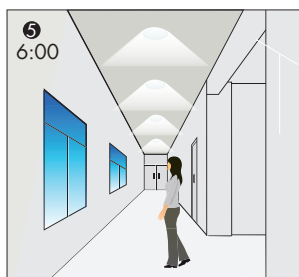
The light automatically turns on at dim level when natural light lux level drops below preset daylight threshold, even if there are no people around.



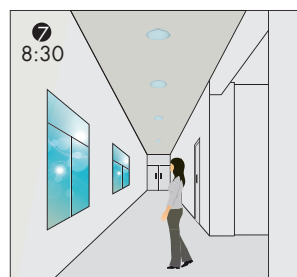
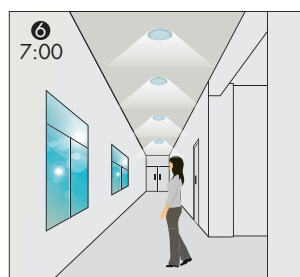
When there is motion detected, the light switches on at hold time brightness level.



The light automatically turns on at dim level again when there is no motion detected.



The light output regulates from high brightness level to lower dimming level according to the change of daylight brightness, so as to maintain the target lux level.



The light automatically turns off when the natural light exceeds daylight threshold preset, even with presence.