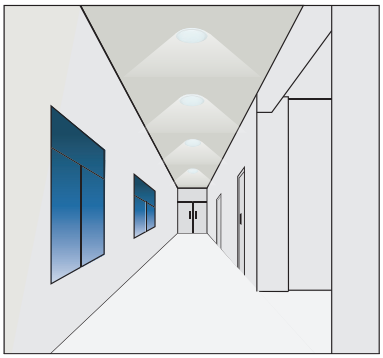
Introduction of App Scenes / Product Functions

1 Generic Scene



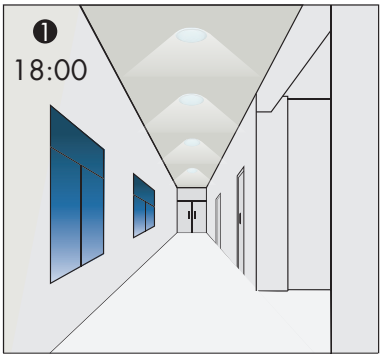
Generic scene:
User can set a fixed brightness level and colour temperature to luminaire(s).

Application Example:
Brightness: 63% output
Color temperature: 6300K

2 Lux On/Off Scene

Lux On/Off scene: The luminaire(s) turns on and off depending on the lux level setting.

Application Example : Lux ON threshold : 10lux; Lux OFF threshold : 300lux

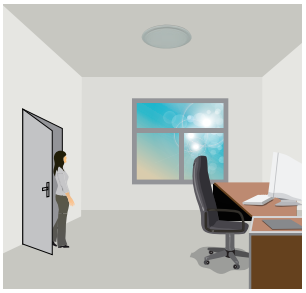


The light automatically turns on at preset brightness level whenever natural light drops below Lux ON threshold.

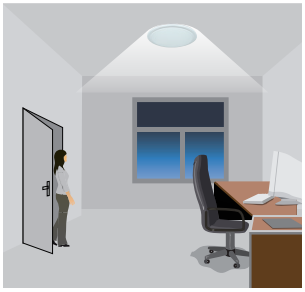
The light automatically turns off when natural light lux level reaches above Lux OFF threshold.

3 Tri-level Dimming

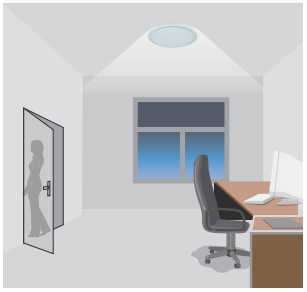
The sensor offers 3 levels of brightness: 100% -> dimming level -> off.



With sufficient natural light, the light does not switch on even when presence is detected.



With insufficient natural light, the sensor switches on the light automatically when presence is detected.



After hold-time, the light dims to preset stand-by dimming level or switch off if the stand-by period is pre-set to 0s.

The light automatically switches off after the stand-by period elapses.

4 Daylight Harvest

The light will not switch on when natural light is sufficient, even there is motion detected.

The light switches on automatically with presence when natural light is insufficient.

The light turns on at full or dims to maintain the lux level. The light output regulates according to the level of natural light available.

The light dims down and eventually turns off when the ambient natural light is sufficient.

The light goes to stand-by time after hold time and stays on dimming level.

The light switches off completely after stand-by time.

Open loop: It takes only the incoming natural light into account when adjusting light output to a desired level of illumination. Hence, it is suitable for sensors which are built inside luminaires, or standalone sensor which are mounted far away from the luminaire itself.

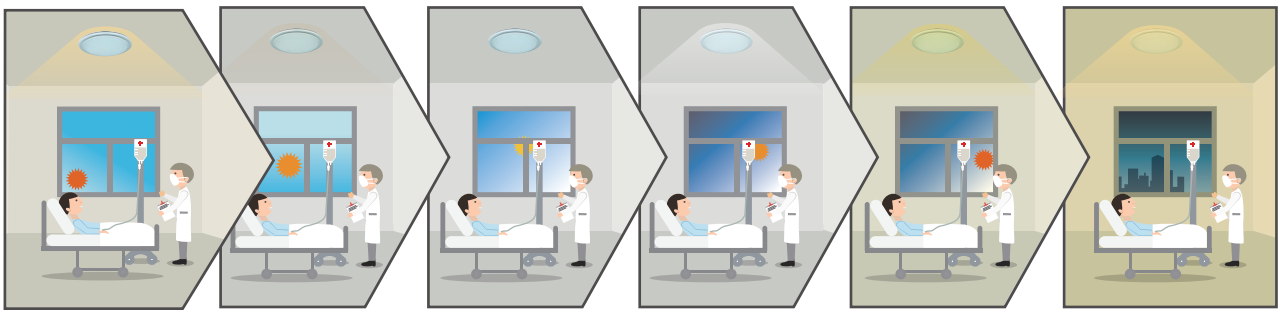
Closed loop: It takes the combination of luminaire's brightness output and ambient lux level into account when adjusting light output to a desired level of illumination.Hence, it is suitable for standalone sensors which are mounted near to the luminaire itself. Closed loop system is not suitable for built-in sensors.

5 Circadian Rhythm

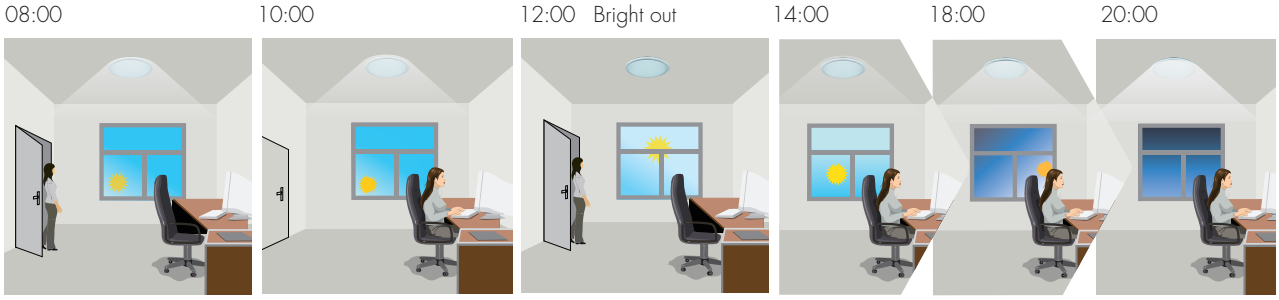
There are two types of circadian rhythm scenes. These two types of circadian rhythm scenes are designed based on the needs of involving daylight sensor. It means that the user can customize circadian rhythm profile by programming brightness either based on target Lux level or brightness output level in % together with colour temperature via the app. The profile will then run daily whereby the gradual change of brightness and colour temperature of the lights will automatically change over the course of the day.

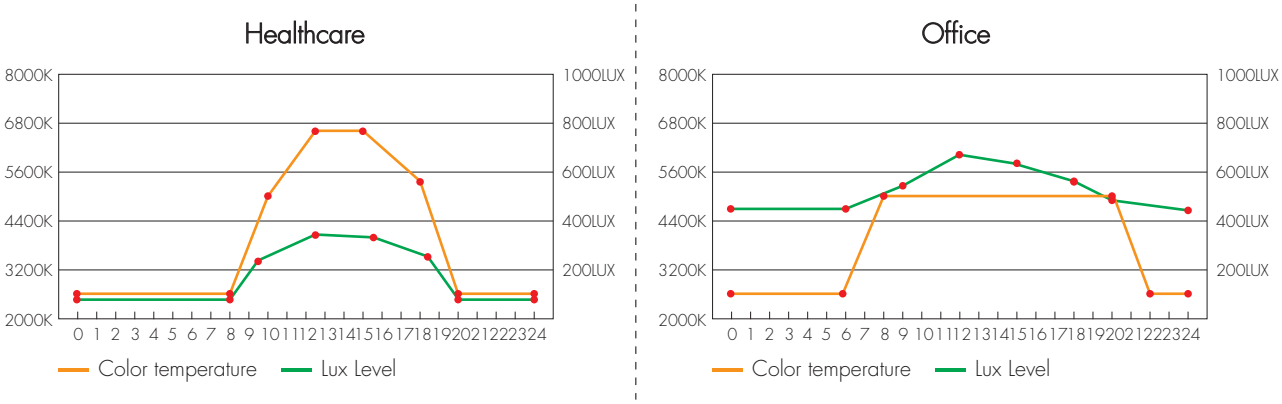
Application Example: Healthcare

08:00 10:00 12:00 Bright out 14:00 18:00 20:00



Application Example: Office



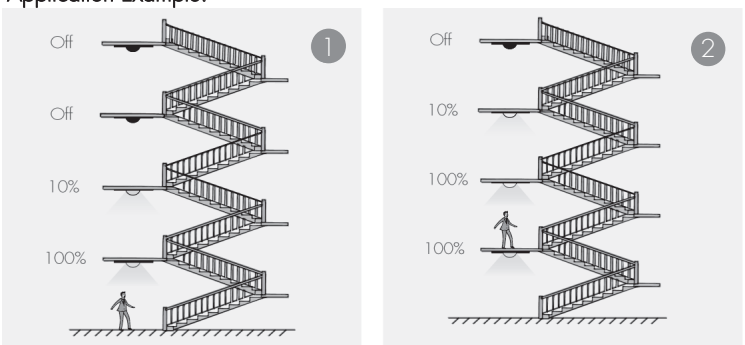


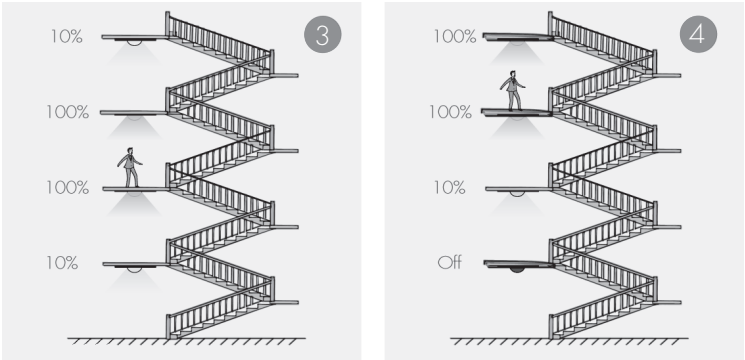
6 Time-based Scene

Time-based scene is a scene generated based on 6 types of scenes, such as generic scene, Lux On/Off scene, daylight harvest and circadian rhythm. The user can assign several preset scenes (max. 6 scenes) within 24 hours in a day according to own preference, so that all these scenes will run according to the preset time schedule. The scenes can be triggered and called upon motion detection or simply by tapping on the scene cover on the app.

7 Staircase Function

Application Example:





1. The 1st sensor detects motion, it turns the light on 100% and sends signal to the 2nd sensor at the same time. The 2nd light is switched on at stand-by brightness.

2. The person walks to the 2nd floor, the 2nd sensor turns the light on at 100%, meanwhile, the 3rd light is switched to stand-by brightness.

3. The person walks to the 3rd floor, the 3rd sensor turns on the light 100%, meanwhile, the 4th light is switched to stand-by brightness level. The 1st light is dimmed to stand-by brightness level after hold-time.

4. The person walks to the 4th floor, the 4th sensor turns on the light 100%, meanwhile, the next light is switched to stand-by brightness. The 1st light is off after stand-by period and the 2nd light is dimmed to stand-by brightness.