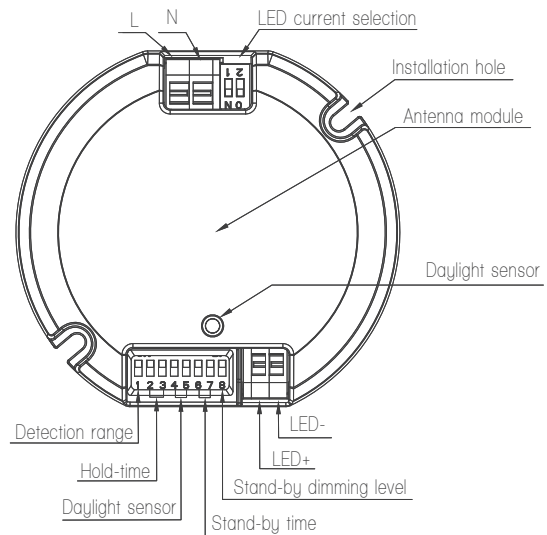
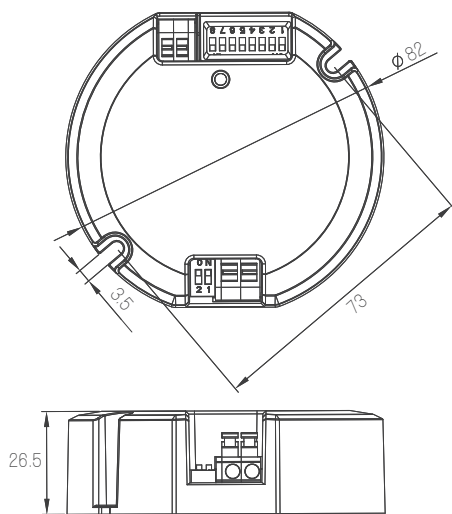


# HF Detector & LED Driver 2-in-1 Dimmable Version

Model: UC03 (18W)    UC04 (28W)

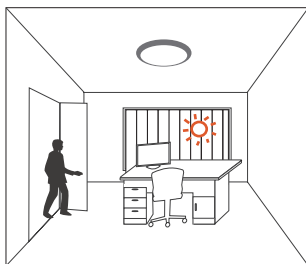


HF detector integrating with LED driver is now the trend. Make your luminaires simple but intelligent now!

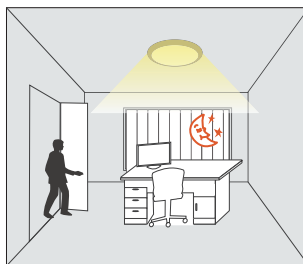
## Product Feature

### Step-dim function

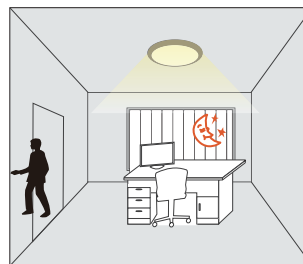
This combo product can turn on the light based on movement. With this detector built in, light is automatically on when needed and dimmed to preset level before it is totally off.



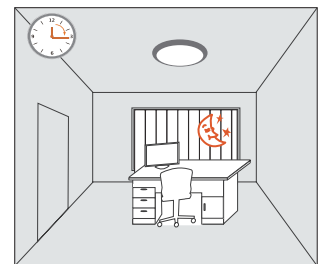
The light keeps off during daytime even when movement is detected. (Ambient lux level is above preset daylight threshold)



With movement and insufficient ambient lux level, the light is triggered on 100% by the detector.



If there is no more movement, the light dims to stand-by dimming level after hold-time.



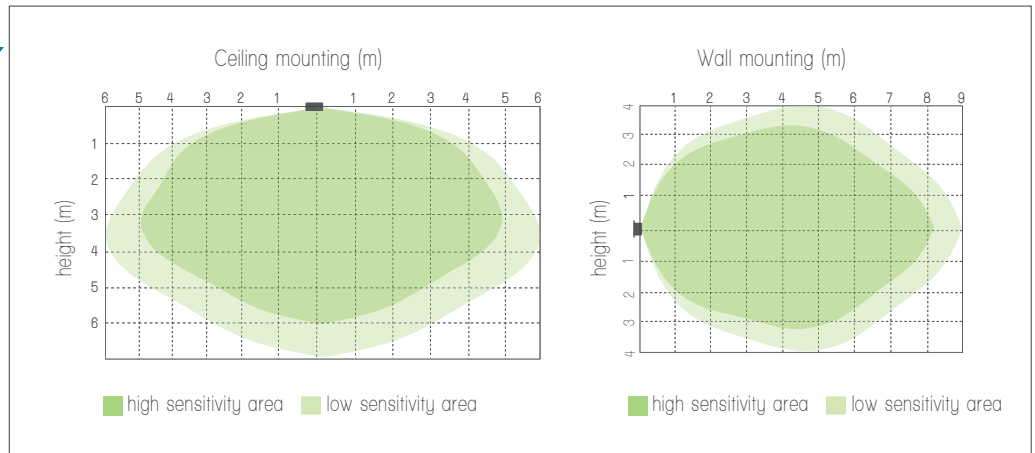
The light turns off automatically after stand-by time.

Function

8 hours Manual on Mode function

Sensor function is not needed in certain occasions. Rapidly turn off/on the power supply 3 times within 3 seconds, the LED light will be 100% on for 8 hours.

Detection pattern



Assembly

- Sensor module
- Antena module
- Do not be shielded by metal objects
- Need to install hole



Settings

1. Sensitivity

Sensitivity can be adjusted by selecting the combination on the DIP switches for different applications.

- I - 100%
- II - 50%

	1	
I	●	100%
II	○	50%

2. Hold-time

Hold-time refers to the time period that the light remains 100% on if no more movement is detected.

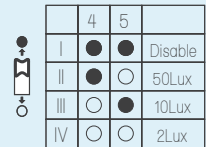
- I - 5s
- II - 90s
- III - 3min
- IV - 10min

	2	3	
I	●	●	5s
II	●	○	90s
III	○	●	3min
IV	○	○	10min

### 3. Daylight threshold

Different daylight threshold can be preset on DIP switches. Light will always turn on upon movement if daylight sensor is disabled.

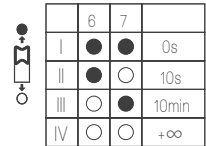
- I – Disable
- II – 50Lux
- III – 10Lux
- IV – 2Lux



### 4. Stand-by time

This is the time period that the light remains at a low level before it is completely turned off.

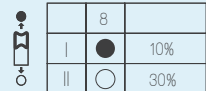
- I – 0s
- II – 10s
- III – 10min
- IV – +∞



### 5. Stand-by dimming level

Light can be dimmed to different levels after hold-time.

- I – 10%
- II – 30%



## Specification

Operating voltage	220 ~ 240VAC 50/60Hz
Input current	UC03: 0.09 ~ 0.08A UC04: 0.15 ~ 0.14A
Input power	UC03: 21W (Max.) UC04: 33W (Max.)
Sensitivity	50% / 100%
Hold-time	5s / 90s / 3min / 10min
Daylight threshold	2Lux / 10Lux / 50Lux / disable
Stand-by period	0s / 10s / 10min / +∞
Stand-by dimming level	10% / 30%
Microwave frequency	5.8GHz +/- 75MHz
Microwave power	<0.2mW
Output current	UC03: 300/350/450/500mA UC04: 450/550/600/700mA
Output voltage	UC03: 28-51V / 28-46V / 28-40V / 28-36V UC04: 22-42V / 22-42V / 22-42V / 22-40V
Output LED power	UC03: 8-15W / 10-16W / 12.5-18W / 14-18W UC04: 10-19W / 12-23W / 13-25W / 15-28W
Empty load voltage	UC03: 56V UC04: 58V
Power factor	>0.9
Power efficiency	85% (Max.)
Detection range	Max. (φ x H): 12m x 6m
Detection angle	30° ~ 150°
Operating temperature	-20°C ~ +45°C TC: 80°C
Abnormal protection	Output short-circuit protection with auto-reset
EMC standard	EN55015
Safety standard	EN61347-1 EN61347-2-13 EN60598-1
IP rating	IP20
Certificate	Semko, CB, CE, RCM, RED