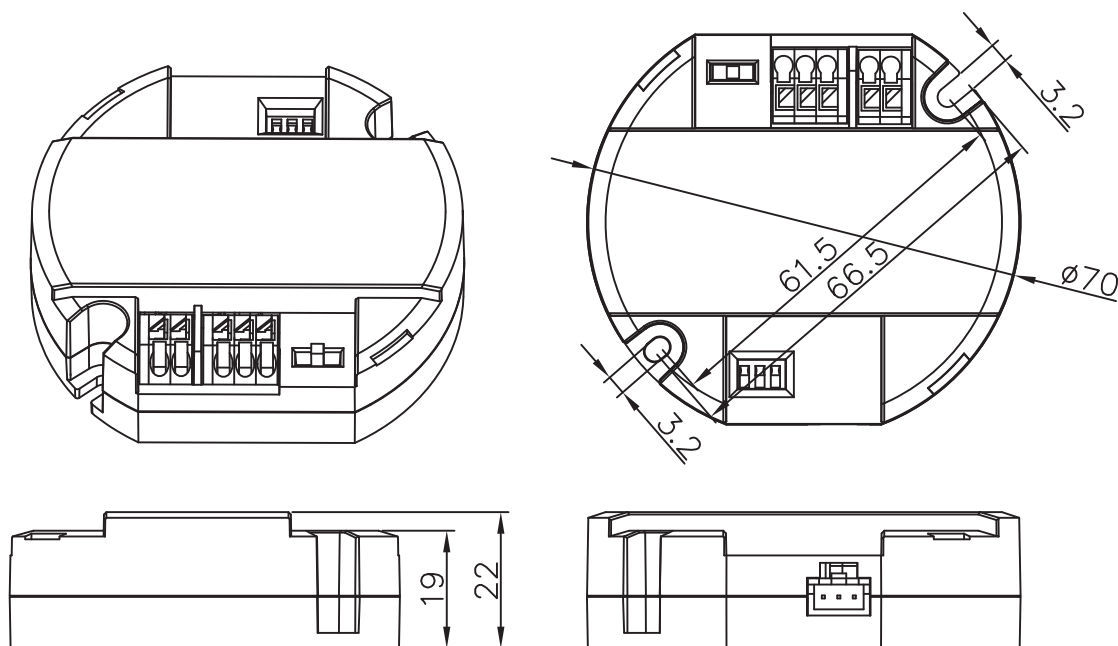


HF Detector & LED Driver 2 in 1

Model: UEC2040 (40W)

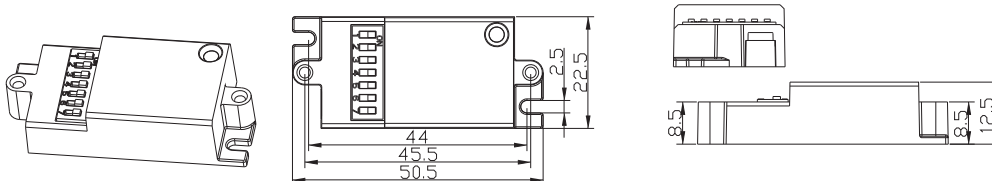
- Flicker free



Detached sensor heads are offered for different applications:

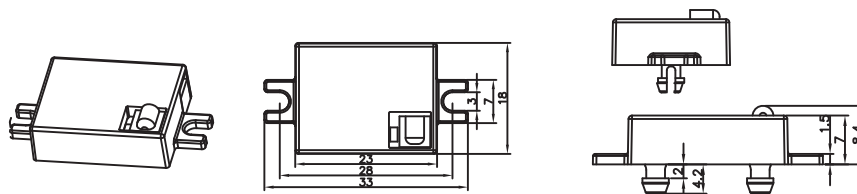
Model: UC16/DC

Compact size with
DIP switch, can work
side entry only



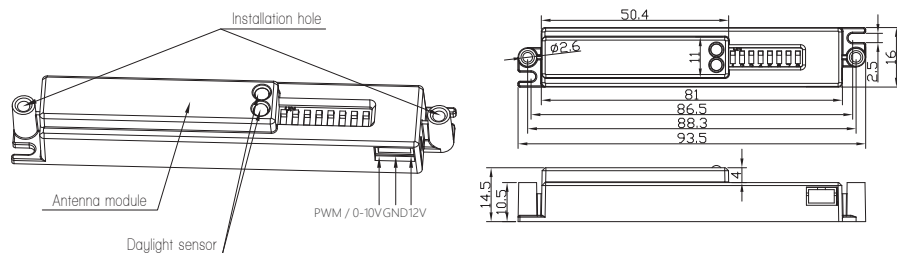
Model: UC23DC/RC

Compact size with
remote control, can work
both side and back entry



Model: UC18/DC

Compact size with
DIP switch, can work
side entry only

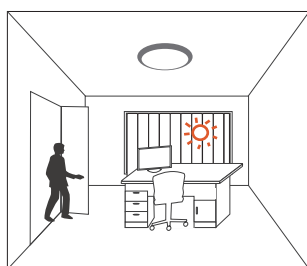


Note: UC18DC/RC remote control version available.

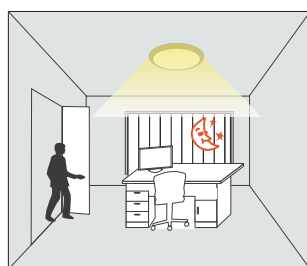
Product Feature

Step-dim function (corridor function)

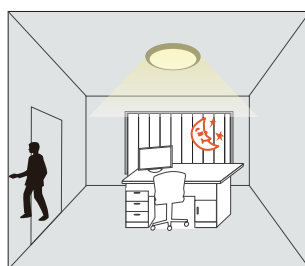
The motion detector can turn on the light based on movement. With this detector built in, light is automatically on when needed and dimmed to preset level before it is totally off.



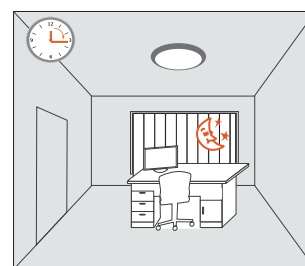
The light keeps off during daytime even when movement is detected. (Ambient lux level is above preset daylight threshold)



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

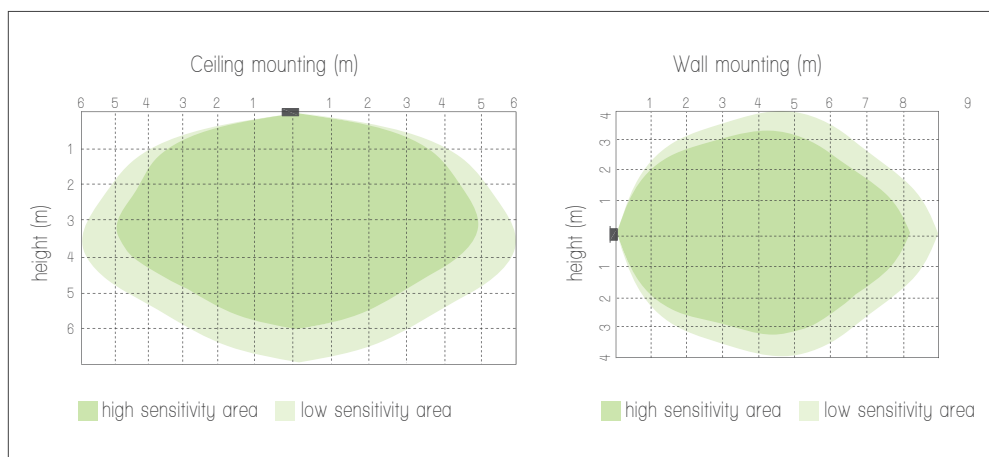


If there is no more movement, the light dims to stand-by dimming level after hold-time.

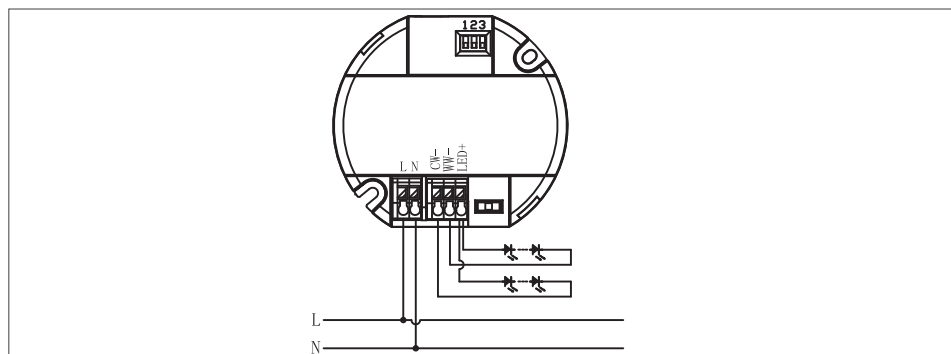


The light turns off automatically after stand-by time.

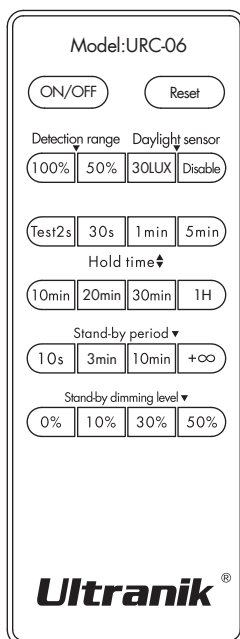
Detection pattern



Wiring



Remote Settings



Remote controller for UC23DC/RC & UC18DC/RC

ON/OFF ON/OFF Permanent ON/OFF Function

Press the ON/OFF button, the light goes to permanent on or permanent off
 Press "RESET" buttons to quit from this mode.

Reset Reset function

Press "RESET" button, all setting go back to factory default setting as followed:

100%	5min	10min	Disable	10%
detection range	hold time	stand-by period	daylight sensor	stand-by dimming

Detection range

Select as appropriate to adjust/reduce sensor sensitivity, 100% and 50%, pls refer to detection pattern.

Hold Time

Hold time refers to the time period that the light remain 100% on if no more movement detected

Daylight sensor

Select daylight sensor threshold level at 30lux. Ambient light must below this lux threshold for sensor to turn light on.

Press Lux Disable button for fixture to always turn on when motion detected.

Stand-by period (tri-level control)

Press the buttons of "stand-by period" to set stand-by period at 10s / 3min / 10min / +∞.

Note: "+∞" means bi-level control, light never switches off .

Stand-by dimming level

Press the buttons of "stand-by dimming level" to set the stand-by dimming level at 0% / 10% / 30% / 50%.

Note: "0%" means on/off control

Settings

DIP switch setting for UC16/DC

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 – 180s
 IV – 10min

	2	3	
I	●	●	5s
II	●	○	90s
III	○	●	180s
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 – 10Lux

	4	
I	●	Disable
II	○	10Lux

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	6	
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%



	7	
I	●	10%
II	○	30%

DIP switch setting for UC18/DC

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 – 5min
IV – 15min



	2	3	
I	●	●	5s
II	●	○	90s
III	○	●	5min
IV	○	○	15min

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 – 20Lux
IV – 5Lux



	4	5	
I	●	●	Disable
II	●	○	50Lux
III	○	●	20Lux
IV	○	○	5Lux

4. Stand-by time

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

Note: "0s" means on/off control

" +∞ " means bi-level dimming, light never off

I – 0s
II – 10s
III – 10min
IV – +∞



	6	7	
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%



	8	
I	●	10%
II	○	30%

Specification

Operating voltage	220 ~ 240VAC 50/60Hz
Input current	230mA
Input power	40W (Max.)
Output current	180 / 200 / 230 / 250 / 280 / 300 / 330 / 350mA
Output voltage	60 ~ 100V
Empty load voltage	140Vdc
Power factor	0.97 (Max.)
Power efficiency	92% (Max.)
Flicker free or not	No flicker
Operating temperature	-25°C ~ + 50°C TC: 85°C
Microwave frequency	5.8GHz +/- 75MHz
Microwave power	<0.2mW
Detection range	Max. installation height: 6m Max. detection range: Ø 12m @ 3m installation height
Detection angle	30° ~ 150°
Abnormal protection	Output short-circuit protection with auto-reset
EMC standard	EN55015
Safety standard	EN61347-1 EN61347-2-13 EN60598-1
IP rating	IP20
Certification	CE UKCA RED