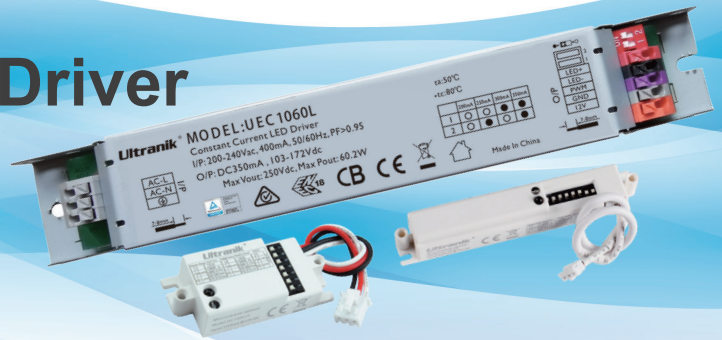
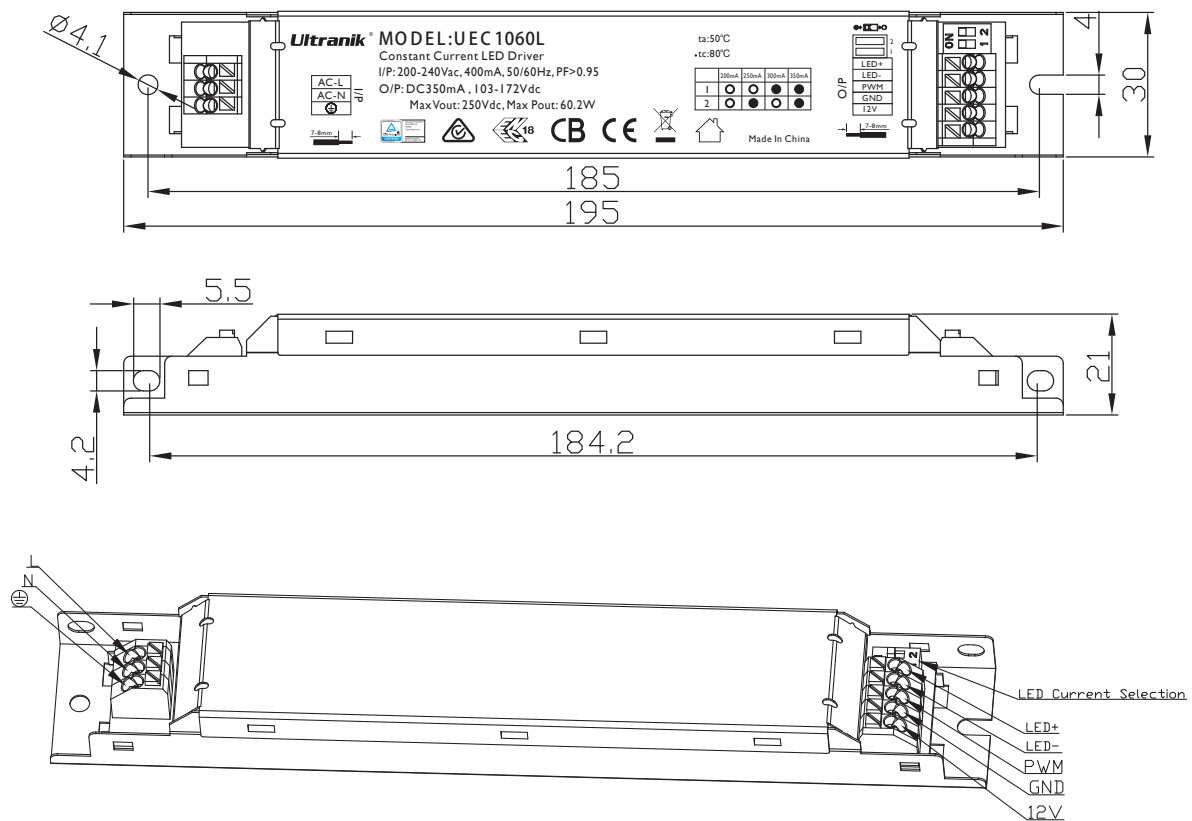


HF Detector & LED Driver For Linear Light



Model: UEC1060L (60W)

Flicker-free & Non-Isolation

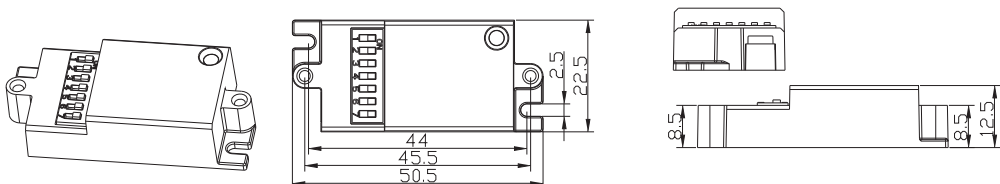


HF detector integrating with LED driver is now the trend. Make your luminaires simple but intelligent now!

Detached antennas are offered for different applications:

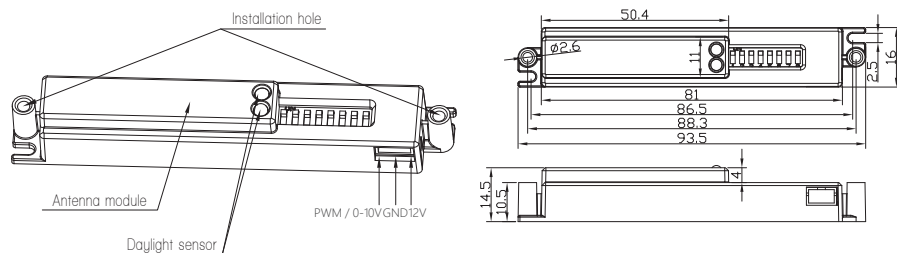
Model: UC16DC

Compact size with
DIP switch, can work
side entry only



Model: UC18DC

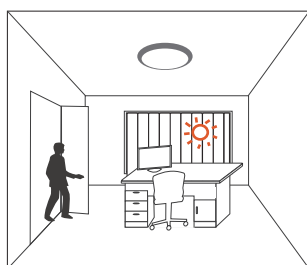
Compact size with
DIP switch, can work
side entry only



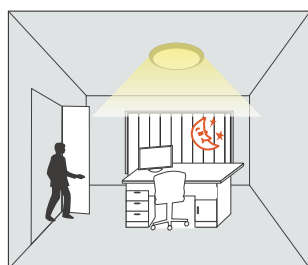
Product Feature

Step-dim function

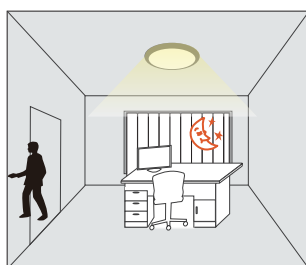
This combo product can turn on the light based on movement. With this detector built in, light is automatically on when needed and dimmed to preset level before it is totally off.



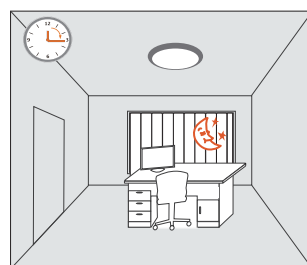
The light keeps off during daytime even when movement is detected. (Ambient lux level is above preset daylight threshold)



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

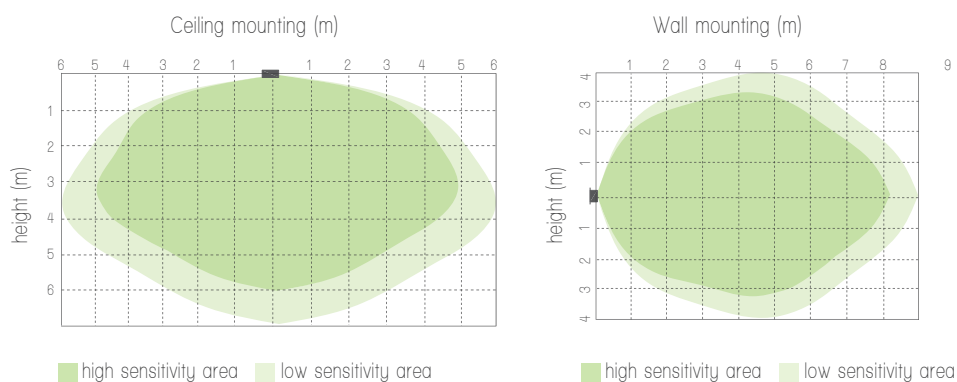


If there is no more movement, the light dims to stand-by dimming level after hold-time.

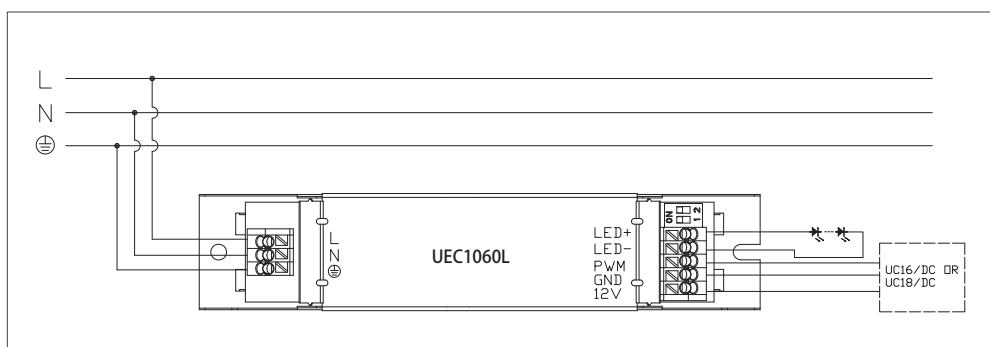


The light turns off automatically after stand-by time.

Detection pattern



Wiring



LED Current Selection

1. UEC1060L

	200mA	250mA	300mA	350mA
I	☐	☐	☒	☒
2	☐	☒	☐	☒

1. UEC1060LM

	350mA	400mA	450mA	500mA
I	☐	☒	☐	☒
2	☐	☐	☒	☒

1. UEC1060LH

	400mA	500mA	600mA	700mA
I	☐	☒	☐	☒
2	☐	☐	☒	☒

Settings

Model: UC16DC

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%

Model: UC18DC

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.

- 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	200 ~ 240VAC 50/60Hz
Rated input voltage	176-264VAC
Input current max	400mA max @ 176VAC
Input power	60W (Max.)
Sensitivity	50% / 100% (refer to setting)
Hold-time	5s / 90s / 3min / 10min (refer to setting)
Daylight threshold	10Lux / disable (refer to setting)
Stand-by period	0s / 10s / 10min / +∞ (refer to setting)
Stand-by dimming level	10% / 30% (refer to setting)
Microwave frequency	5.8GHz +/- 75MHz
Microwave power	<0.2mW
Output current	UEC1060L: 200 / 250 / 300 / 350mA UEC1060LM: 350 / 400 / 450 / 500mA UEC1060LH: 400 / 500 / 600 / 700mA
Output voltage	UEC1060L: 103-172VDC UEC1060LM: 72-120VDC UEC1060LH: 60-86VDC
Empty load voltage	250VDC max

Power factor	>0.95
Power efficiency	>90%
Flicker-free or not	Flicker free
THD	<20% @ 200-240VAC
Detection range	Max. installation height: 6m Max. detection range: Ø 12m @ 3m installation height
Detection angle	30° ~ 150°
Operating temperature	-35°C ~ + 50°C TC: 90°Cmax
Abnormal protection	Output short-circuit protection with auto-reset
EMC standard	EN55015
Safety standard	EN61347-1 EN61347-2-13 EN60598-1 EN60598-2-6
IP rating	IP20
Certificate	CB, CE, RCM, RoHS