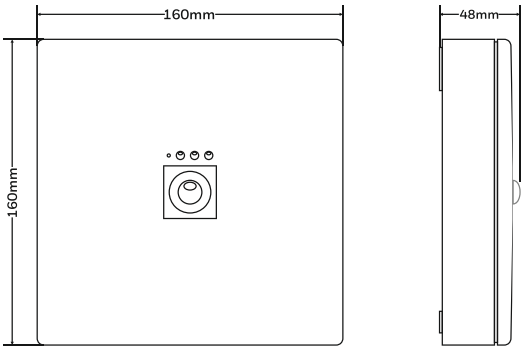
Honeywell

AeriLED AP

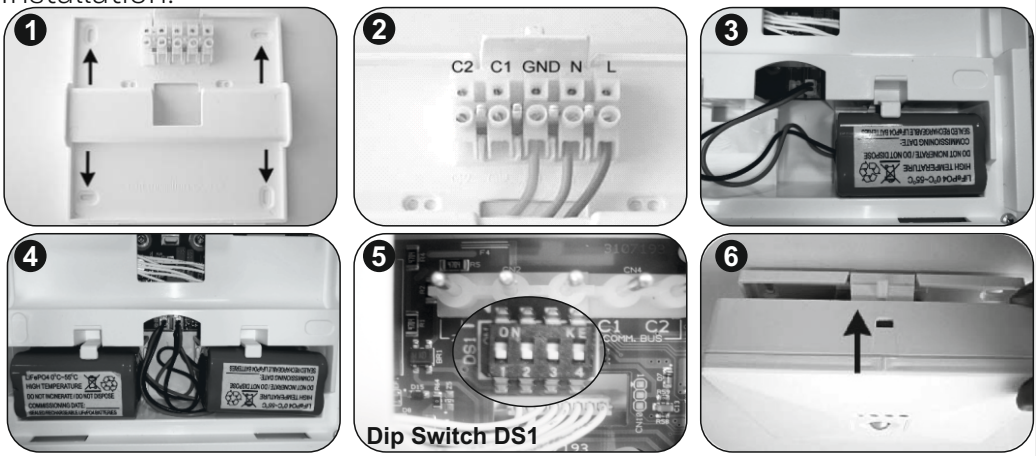
Surface mounted

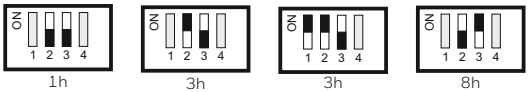
GB

Dimensional Drawings:



Installation:





1h (default position) | 3h | 3h (with 2 batteries) | 8h (with 2 batteries)

Step 1: Mount the socket.

Step 2: Connect the mains cables L, N and GND (optional) to the terminal block. The ground terminal is optional. Power supply cables cross section should be 0.8 – 3 mm^2. The C1 and C2 terminals are used for elBus communication (optional), DALI communication (optional) or voltage free contact (optional).

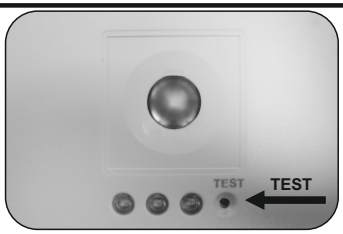
Step 3: Connect the battery cable to its respective connector on the PCB.

Step 4: For accomplishing 3h (for more illumination) and 8h autonomous light, an extra battery is required (Part No. 290BAT.2). Connect the battery cable to its respective connector on the PCB.

Note! 8hour duration can be achieved only with 2 batteries, while 3hour duration can be achieved with 1 battery and if you need more illumination you can connect a second battery and switch the Ds1 as the image above (Step 5).

Step 5: The user can select one of the 3 available minimum autonomy durations: 1 hour, 3 hours and 8 hours. The selection must be done while the luminaire is disconnected from AC and battery supplies. The selection is achieved through Switches 1 - 3 of DS1 according to image above. Switch 4 is not used. Three additional labels are included in the package, two for 3 hours duration (180) and one for 8 hours duration (480). Depending on the selected duration, the installer must cover the default 1 hour (60) printing with one that has the required duration.
Please take notice of the orientation of the label.

Step 6: Hook the luminaire to the two notches in the socket and push carefully until the plastic hook locks.
Disassembly: Press the plastic hook (Picture 6) using e.g. screwdriver and carefully pull the luminaire down.



A test button for manual tests and reset is located next to the indications LEDs.

NOTE!! After finishing the installation you must power the luminaire for at least 24 hours in order to completely charge the battery. The rated autonomy duration can be achieved after that time.

Important notice when installing luminaires within the same area!!!
To avoid that luminaires perform their battery test at the same day, connect the battery packs with more than 1,5 minutes inbetween.

Note: In case of mains power disconnection for a period of more than two months, the battery must be disconnected.
Note: In case of battery replacement, this must be replaced with parts of the same type and characteristics. The replacement must be performed by the manufacturer or a competent person.
Note: If the supply cable of the luminaire is damaged, it shall exclusively be replaced by a competent person in order to avoid hazard.

The light source contained in this luminary shall only be replaced by the manufacturer, or his agent, or a similar qualified person.

NOTE! The light source is non-user replaceable.

Technical description	AeriLED AP NM ST LED 230V 10Y 138h	
Part no.:	138073.10	
Operation Voltage:	220-240V AC, 50-60 Hz	
Maximum Power Consumption:	3W / 3.4VA	
Battery ($LiFePO_4$):	1h & 3h: 6.4V / 1.2Ah	3h & 8h: 2x6.4V / 1.2Ah
Battery Protection:	Overcharge protection / full discharge protection	
Insulation between supply & battery circuit	Basic Insulation	
Charging Time:	1h & 3h: 16 hours	3h & 8h: 23 hours
Emergency Mode Duration:	1h / 3h / 8h manually selected (default 1h)	
Lumen output, emergency:	1h: 360lm / 3h: 170lm or 360lm / 8h: 170lm	
Produced in accordance with:	EN 60598-1, EN 60598-2-22, EN 55015 EN 61547, EN 61000-3-2, EN 61000-3-3	
Ambient Temperature Range:	5 to 40 °C	
Relative Humidity:	Up to 95%	
Degress of cover protection:	IP20	
Technical lifetime (light source):	> 100000 hours	
Weight:	600 gr	
Expected Battery Lifetime:	10 years	
Controlgear classification in accordance with IEC 62034: with automatic test function		
The controlgear is proof against supply voltage polarity reversal.		
The controlgear has mains-connected windings of transformer.		

Indicator LEDs GREEN	YELLOW	RED	Description
●	○	○	Normal
✳	○	○	Charging (battery test not possible while charging)
○	○	○	Mains off, battery not connected or charger fault
○	✳	○	Battery test
●	●	○	Battery fault
○	○	✳	Light source test
●	○	●	Light source fault
●	●	●	Battery fault and light source fault

LED Status explanation

○ Off ● On ✳ Flashing

The AeriLED AP is a self-contained non-maintained luminaire with selftest function.

Selftest functions

Every 15 days the luminaire will perform an emergency operation test. This will light the white LED for approximately 3 seconds. The red LED will flash during this test sequence.
Every 6 months the luminaire will perform a battery condition test. The test will last for the stated duration. The white LED will be lit and the yellow LED will flash during this test sequence.

Note: When using DALI or Wireless communication, the frequencies and schedules for tests will instead be determined by the connected PC software.

Manual test functions
Manual tests can only be performed if both mains and battery are connected.

By pressing the test button briefly (less than 5 seconds) an emergency operation test is performed. The white LED will be lit for approximately 3 seconds, the red LED will flash during this test sequence.
By pressing the test button for between 5 and 10 seconds a battery condition test is performed.
This test will last for the stated duration and can only be performed when the battery is fully charged (steady green LED). The white LED will be lit and the yellow LED will flash during this test sequence.

Resetting errors
Push the test button for >10 seconds to delete all indicated errors. Then the luminaire enters regular operation mode.

At the end of their useful life the packaging, product and batteries should be disposed of via a suitable recycling centre. Do not dispose of with your normal household waste. Do not burn.

CE