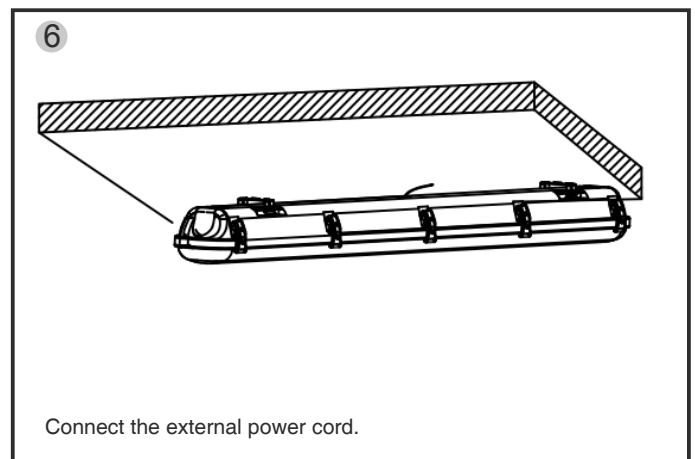
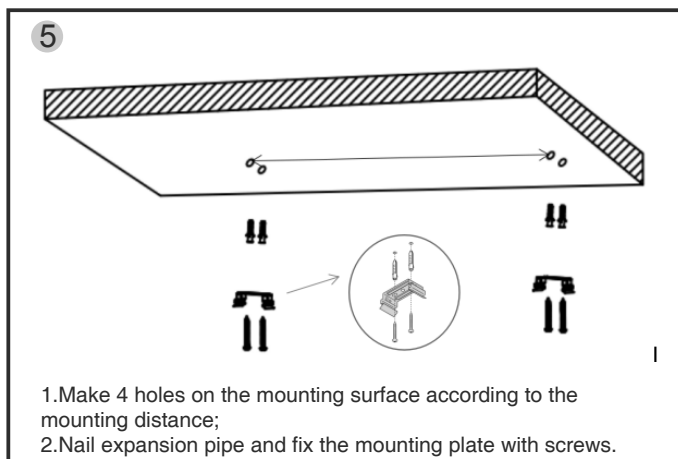
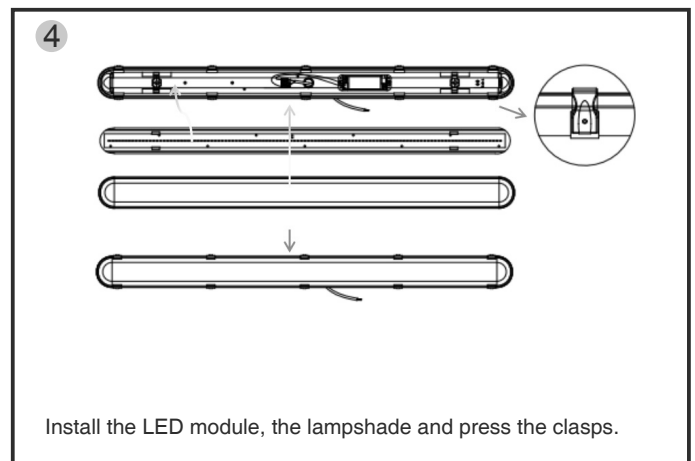
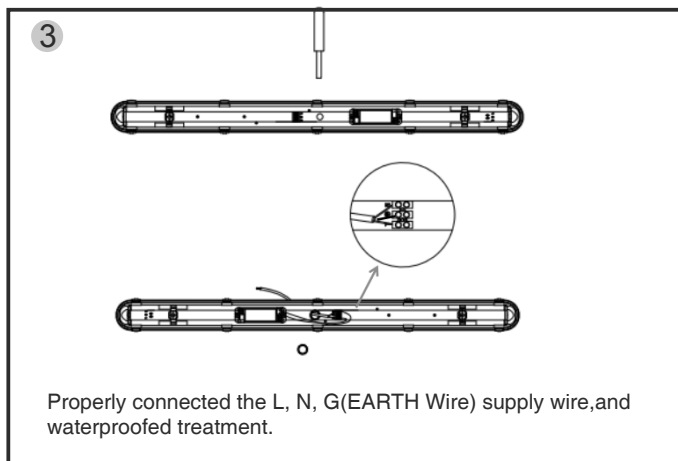
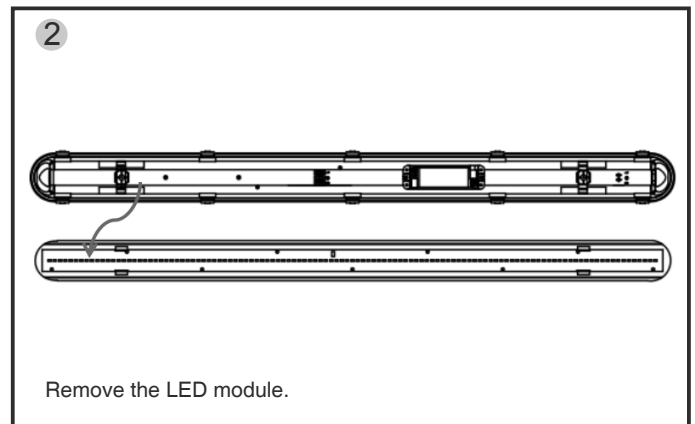
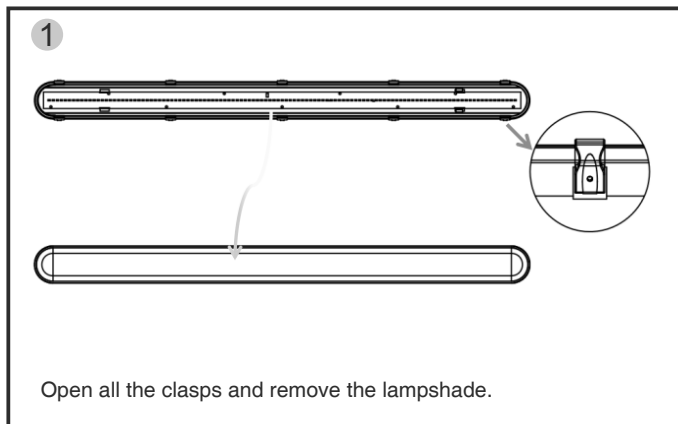


## Installation and Operation Manual

Please note that this is a universal instruction manual and covers all models under this led batten series please choose the instruction for the model you have purchased.

Model no.	TLWB34618	TLWB34639	TLWB34639S	TLWE34639	TLWE34639S
Rated voltage	AC220-240V				
frequency	50/60Hz				
Rated power	20W	40W	40W	40W	40W
protection class	I				
protection	IP65				





On/off control



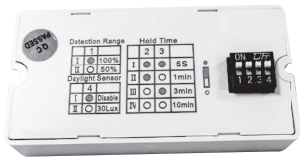
Daylight sensor



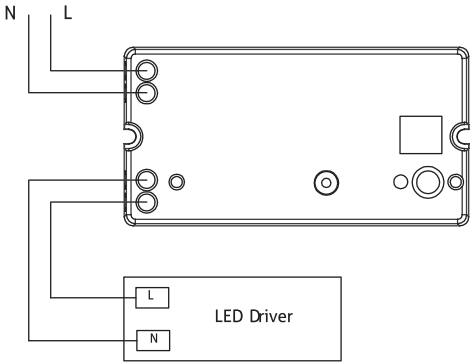
Detection area



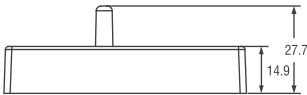
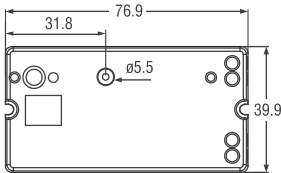
Hold time



HD011S 1 DIP switches on back



Wiring diagram

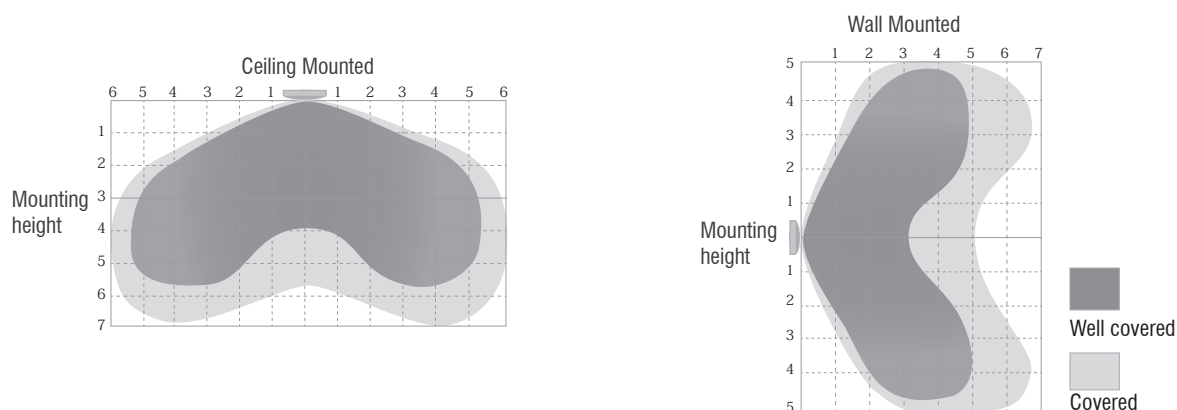


Unit:mm

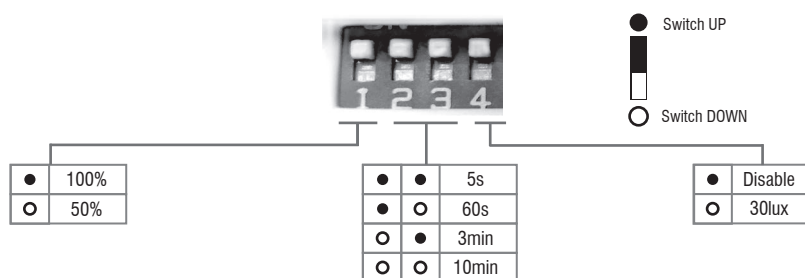
01 Technical data

Operating voltage	220~240 VAC 50/60Hz
Switching capacity	Max.100W
Stand-by power	≤0.5W
Detection area	50%/100%
Hold time	5s/60s/3min/10min
Daylight threshold	30Lux/Disable
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.3mW
Interfaces	4-pole pluggable clamp terminal(L,N,N,L') for 0.75-1.5mm² cable
Mounting height	Max.6m(ceiling mounted) ; Max.3m(wall mounted)
Detection range	Max.ø14m(ceiling mounted) ; Max.10m(wall mounted)
Detection angle	30°-150°
Operating temperature	-25°C~ +60°C
IP rating	IP20

## 02 Detection coverage



## 03 Settings



### Detection area

Detection area means detection coverage. It can be adjusted by combining DIP switches for specific application.

### Hold-time

Hold-time means the time period the light will be ON after the last detection.

### Daylight threshold

Daylight sensor prior to motion sensor. Set threshold for specific needs. If Disable, only motion sensor works.

## 04 Application

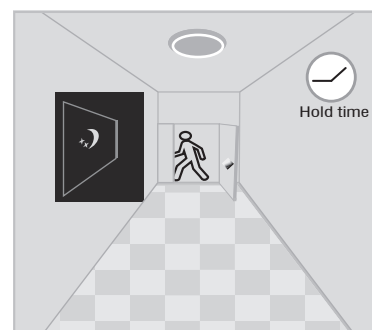
Function Demo-On/off control



With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



After the last detection and the present hold time elapsed, light OFF.

## EMERGENCY BATTERY INSTRUCTION AND SPECIFICATION



220-240V

### LED Emergency converter

#### Product description

- LED emergency converter that can transfer standard LED fitting into emergency LED fitting.
- Used with Lithium iron phosphate battery
- Suits for LED fitting with external led driver
- Accessory: test switch and charge indicator

#### Relevant standrd

IEC 61347-1  
IEC 61347-2-7  
EN 55015  
IEC 60598-2-22

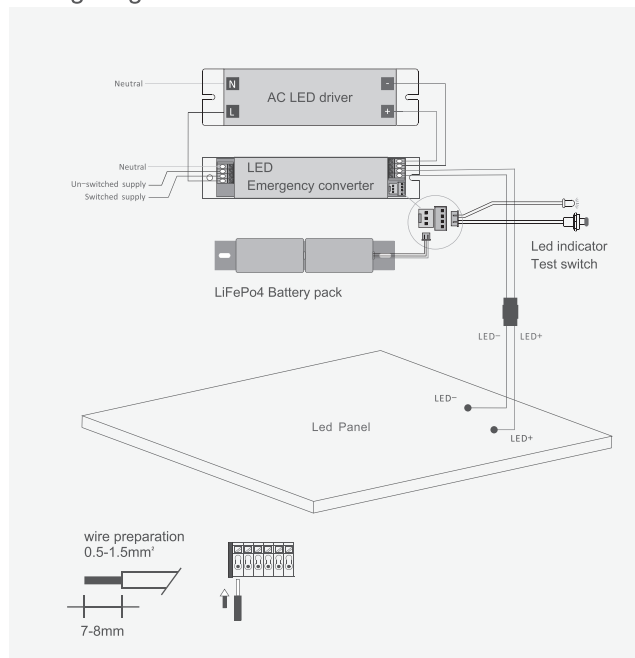
#### Applications

- Use in damp and dry environment.
- For use on a wide range of LED fittings to convert them from standard to emergency fitting.
- LED fitting would be maintained emergency LED fitting if standard (main powered) driver, emergency lighting kit and battery are all retained in the circuit.
- LED fitting would be non-maintained emergency LED fitting if only emergency lighting kit. and battery are retained in the circuit.
- Additional Relay that can control standard LED driver.
- Deep discharge protection.
- Connector between emergency kit and battery has the function of polarity reversal protection.
- Ambient range  $t_a$  0...50°C
- IP20 protection, relies on end-product enclosure for protection against accidental contact live parts.
- Not intended for use in luminaries for high-risk task area lighting.
- Full warranty 2 years.

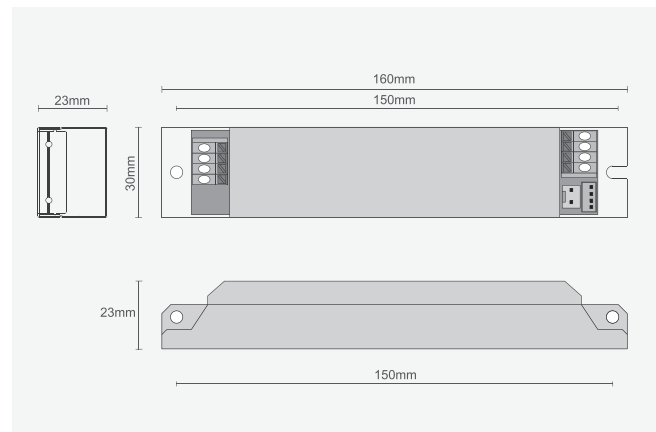
#### Technical data

- Input rated voltage: 220-240V AC 50-60Hz
- AC input current 10-50mA
- AC Input power rated 4 W max
- Power factor: >0.5
- Charge time  $\geq 16$  hours
- Charge mode: trickle re-charging on battery.
- Output emergency power 2-6 wattage DC10...72V (4-24 LEDs) constant current output.
- Output voltage DC10...72V, DC80V max
- Battery capacity (LiFePo4):  
1500mAh, 3000mAh
- Battery Charging Current 0-250mA
- 1 or 3 hours rated duration
- Charging indicator light  
Green light on--Battery is charging  
Green light on--Battery is fully charged  
Indicator off--The device is something wrong and is malfunction.
- Max. casing temperature  $t_c$  70°C
- Lumen Factor: 100lm/Wattage
- Reinforced insulation between the supply and the battery circuit.
- This unit can recharge the battery normally after reconnecting of battery.

#### Wiring diagram



#### Dimensions



Product Description

- High-temperature Lithium iron phosphate batteries
- 4 Cells Lithium iron phosphate Battery pack

Technical Data

- Rated 500 charge/discharge cycl
- 18650 battery cor
- Battery voltage 3.2V/Cel
- Max. short term temperature 7 °C
- Ambient temperature °to +50°C°

Battery wire

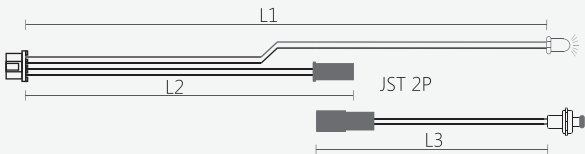
- Two wires: 1 red and 2 blac
- Length: 200m
- Wire type: 0.75m<sup>2</sup>

Test switch and LED indicator

Battery



ORDERING DATA



type	L1	L2	L3
05F02	300mm	150mm	150mm
05F03	600mm	150mm	450mm
05F04	1000mm	150mm	850mm

Product description

- For connection to the emergency lighting uni
- The test switch for checking the device functio
- The LED indicates that charging current is flowing into the batter
- Plug connectio

LED indicator

- Mounting hole 6.5mm di
- Wire insulation rating: 8 °C

Test switch

- Mounting hole 7mm di
- Wire insulation rating: 8 °C

NAMING RULES

Emergency lighting kit	Product Specification
	<div> <div>YH11</div> <div>-</div> <div>2</div> <div>03</div> <div>B</div> <div>Li</div> <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> </div>
1 Basic series	YH11
2 Power(Emergency mode)	2: 2W max; 4: 4W max; 6: 6W max
3 Duration	03: 180 minutes 01: 60 minutes
4 Output voltage (Emergency mode)	B: 10V to 42V C: 10V to 72V
4 Battery	Li: Use LifePo4 battery

ORDERING DATA

Model No.	YH11-601B Li	YH11-601C Li	YH11-203B Li	YH11-203C Li	YH11-403B Li	YH11-403C Li
Technical data						
Duration	60 minutes		180 minutes			
AC Input	220-240V,50-60Hz					
Rated input Current (mA)	60					
Rated input Power	4W					
Battery pack Voltage/Capacity type	LiFePo4 6.4V 1.5AH(18650 2S1P)				LiFePo4 6.4V 3.0AH(18650 2S2P)	
Recharging Voltage(VDC) min-max	4.8-7.8V					
Recharging Current (mA) min-max	0-250mA					
Discharging Current (A) min-max	0.85-1.15A		0.30-0.38A		0.55-0.75A	
Max output power (Emergency mode)	6W		2W		4W	
Output Voltage/Current (Emergency mode)	DC10-42V/150mA	DC10-72V/75mA	DC10-42V/50mA	DC10-72V/25mA	DC10-42V/100mA	DC10-72V/50mA
Max Output Voltage (U-out) (Emergency mode)	47V	80V	47V	80V	47V	80V

Installation Notice

Before installation or maintenance, ensure that the mains supply to the luminaire is switched off and the circuit supply fuses are removed or circuit breaker switched off.

It is recommended that a qualified electrician is consulted or used for the installation fo this product and installed to the current edition of the IEE wiring Regulations and relevant Building Regulations.

No automatic test function.

Check that the total load on the circuit including when this product is fitted does not exceed the rating of the circuit cable, fuse or circuit breaker.

DIAGRAM AND SIZE

