Installation Instruction

JCC | a **LEVITON** company

Product Code: JCEM110028WH
JCEM110028BLK
Product Description: EscapeLUX EM Track Downlight 1.7W 250Lm 6K IP20
WH & BLK Self Test

Specification

Input Voltage:	220-240V~
Input Power:	Max 4.8W(M)/Max 1.8W(NM)
Emergency Power:	1.7W
Emergency Lumen:	250lm
EM Duration:	3 hours
Ambient Temp:	0-45°C
Emergency Mode:	Maintained and non-maintained switchable
Function:	Self test/manual test switchable
Battery:	LiFePO4 6.4V 1.5Ah
Warranty:	5 years

[Symbols: Class II, 5 YEAR, IP 20, CB, CE, UKCA, RoHS, REACH]

Routine Testing

Testing should be carried out in accordance with the recommendations of BS5266 & EN50172.

1. Do not switch off unswitched mains supply after installation. If interruption is unavoidable, the batteries must be disconnected or damage to the batteries may occur. Leave the luminaire on continuous charge for 24 hours.
2. Batteries should be replaced when the luminaire no longer meets the 3 hours duration performance.
3. Testing is performed by interrupting the unswitched supply for the test duration manually or self-test function complying with IEC62034. During testing the luminaire should remain illuminated in emergency mode.
4. Ensure that the 'charge indicator' is 'ON' during 'Charging Mode'. If the charge indicator (LED) is Unlit/red, this signifies a fault.
5. Replace faulty light source and batteries immediately.
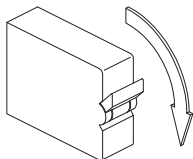
Dimension

46mm
97mm
POWERBAT
48mm
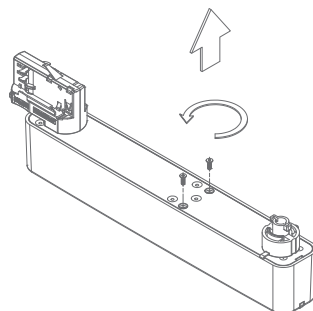75mm
300mm
329mm
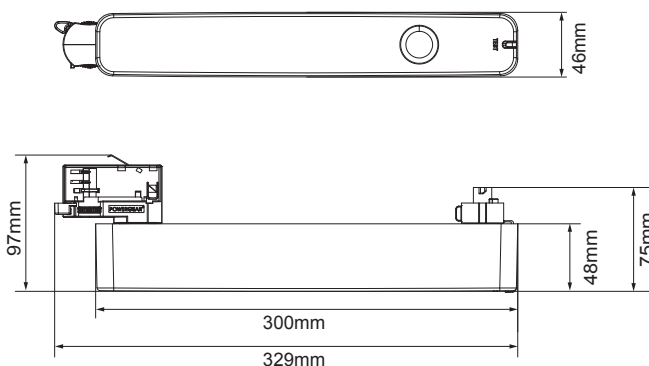
Installation Instruction

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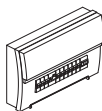
ALWAYS SWITCH OFF
THE MAINS SUPPLY
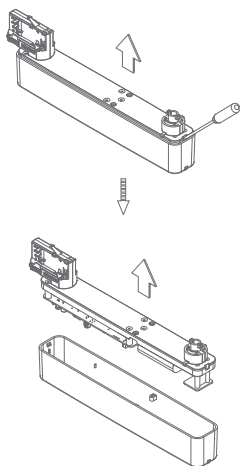BEFORE INSTALLATION
OR SERVICING

Product is set in non-maintained mode as default. If no demand to change the setting to maintained mode, please install the product from Step 6 directly.
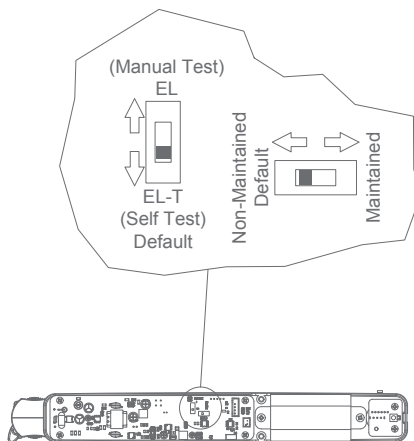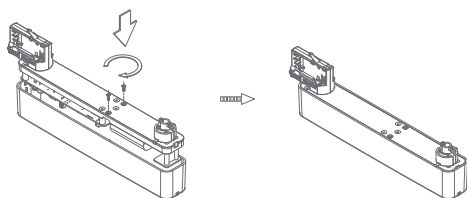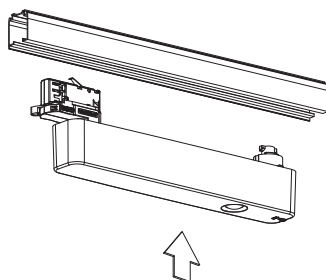
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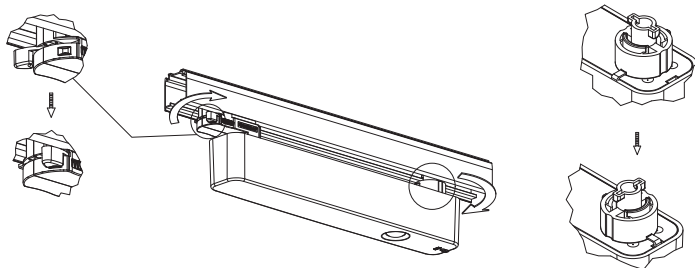
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(Manual Test)
EL

EL-T
(Self Test)
Default

Non-Maintained
Default

Maintained

5

6

JCEM110028WH   JCEM110028BLK-IS
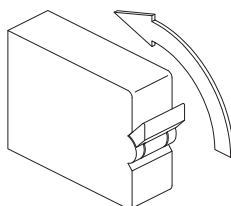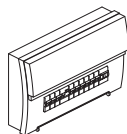
Installation Instruction

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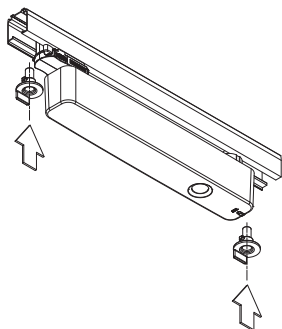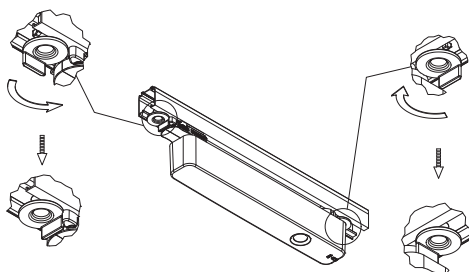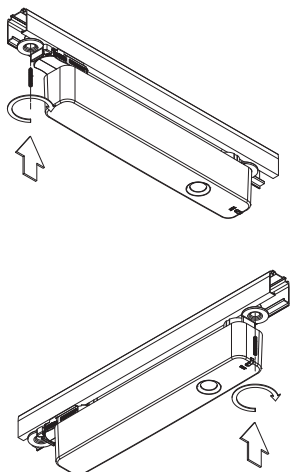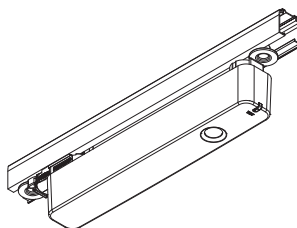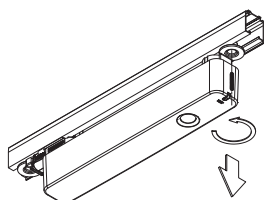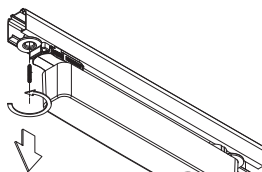
Disassembly instruction
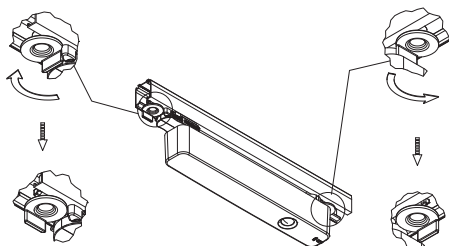
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ALWAYS SWITCH OFF THE MAINS SUPPLY BEFORE INSTALLATION OR SERVICING

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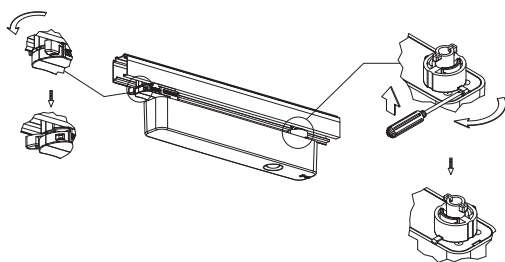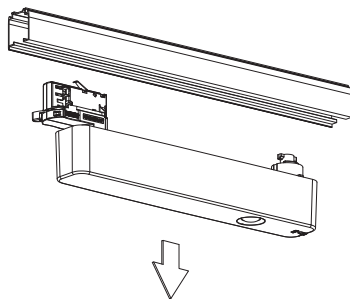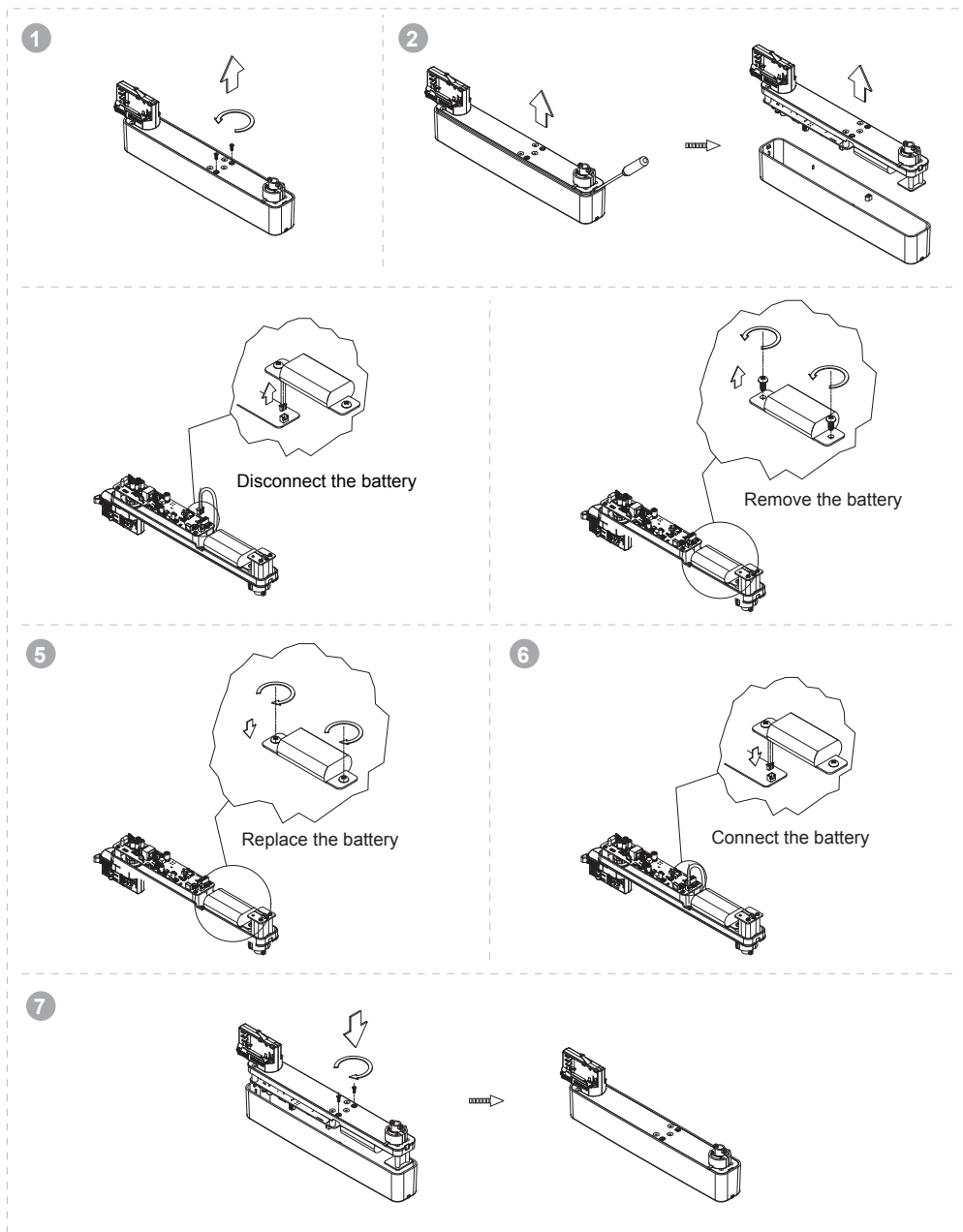**4**

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JCEM110028WH   JCEM110028BLK-IS
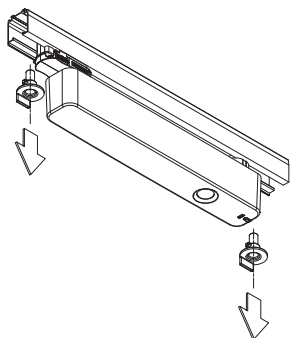
Battery replacement

LiFePO$_4$-18650-1500mAh-6.4V

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3 Disconnect the battery

4 Remove the battery

5 Replace the battery

6 Connect the battery

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Specifications for Self Test

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Function Test
The function test is carried out every week for 5 seconds. It will check the connection of battery, battery discharging and the connection of LED module.

Duration Test
An initial duration test is automatically carried out at first power on, but after 24 hours charging. After that, the duration test is carried out for 3 hours every half year, on one day within the 175th day to the 195th day. It will also check the connection of battery and LED module.

A bi-colour indicator will indicate the normal and abnormal status. Green is for conditions are normal and red for failures.

Descriptions as following.

LED Colour	Status		On Time (Seconds)	Off Time (Seconds)	Description
Green	⬤	Permanent on	/	/	Normal status when mains connected
	◑	Slow flash	1s	1s	Duration test running
	✳	Fast flash	0.2s	0.2s	Function test running
	◓	Normal flash three times only	0.5s	0.5s	Time reset
Red	⬤	Permanent on	/	/	Battery failure
	◑	Slow flash	1s	1s	Lamp failure
	✳	Fast flash	0.2s	0.2s	Duration failure - battery capacity is not sufficient.
Light Off	◯	Off	/	/	Emergency mode

A test switch is applied for different functions activated manually.

Duration	Function
Press for <2s	Simulate emergency mode
Press for 3-5s	Start duration test manually. The test can be aborted by pressing off (1-2s).
Press for 5-8s	Start Function test manually for 60s. The test can be aborted by pressing off (1-2s).
Press for >10s	Time Reset

Note:
1. When the mains is on, the green indicator will be permanent on. It will check the connection of battery and the connection of LED module. When the mains is off, no test will perform.
2. When there is a lamp failure at non-maintained mode, the indicator remains green but will turn red and be slow flashing after the failure is detected in a weekly function test.
3. The luminaries on which we want to perform the duration tests must be connected to the mains supply for at least 24 uninterrupted hours.
4. When the fault is corrected, the indicator will only be reset to its normal status after mains reconnected or test switch pressed.
5. An accuracy of the timing of the test interval is ensured that it has an accuracy of ±75 s per week. The timing function will be retained through periods of mains supply failure or interruption for up to 7 days.
6. The battery charge shall not start if the cell temperature is below 0°C or above 65°C.

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