

PHILIPS

Emergency Bulkhead

EM153C SM BKD EXIT SIGN

	Test	CCT (K)	Lumen (lm)	P (W)	
EM153C SM BKD EXIT SIGN M3 ELB IP65	manual	6500	150	3	0.63
EM153C SM BKD EXIT SIGN M3 ELP IP65	auto				

Dimensions in mm

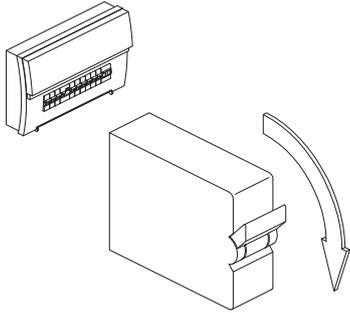
Inrush current

Electrical characteristics	
Inom (mA)	30
I _{max} (A)	4.96
T _{ref} (μs)	100
MCB	
	Luminaires Max.
B-10 A	172
B-13 A	224
B-16 A	276
C-10 A	212
C-13 A	276
C-16 A	339

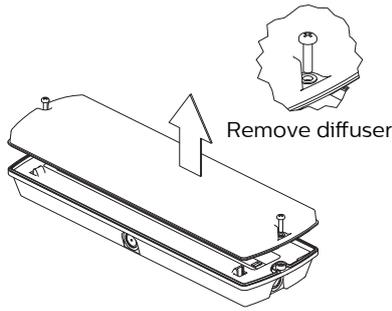
ATTENTION
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

- The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.
- When the light source reaches its end of life the whole luminaire shall be replaced.
- Clean with dry cloth.
- Philips Lighting warranty is applicable only if the indicated drivers are used.

ALWAYS SWITCH OFF THE MAINS SUPPLY BEFORE INSTALLATION OR SERVICING

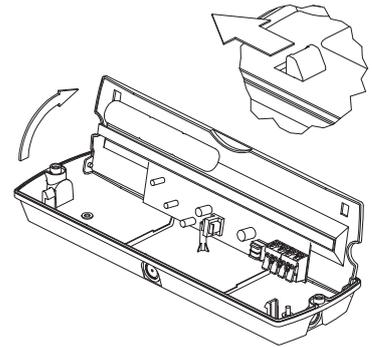


1

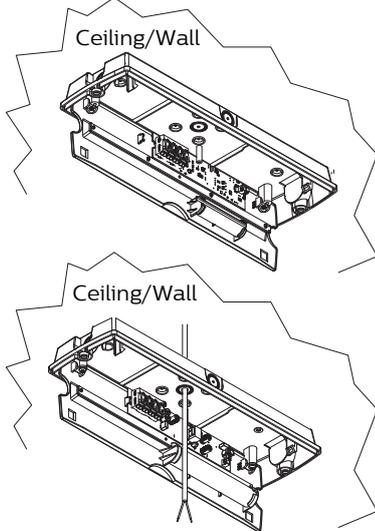


Remove diffuser

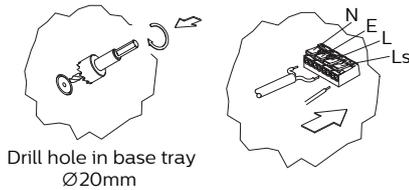
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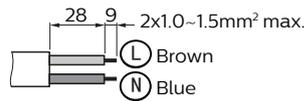
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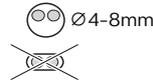
Ceiling/Wall



Drill hole in base tray
Ø20mm

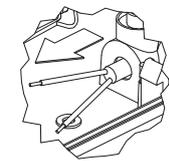


28 9 2x1.0~1.5mm² max.
L Brown
N Blue

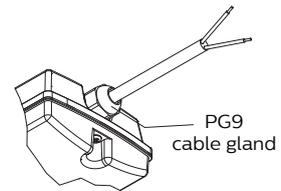


Ø4-8mm

Note: if using side entry:
drill Ø16mm hole and apply
PG9 cable gland (not supplied)



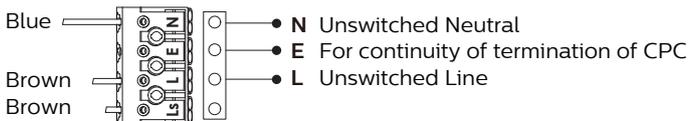
Drill hole in side Ø16mm



PG9 cable gland

4

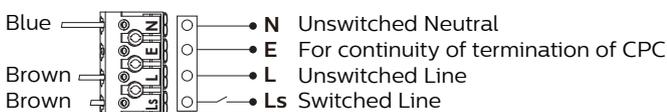
EMERGENCY TERMINATIONS NON-MAINTAINED



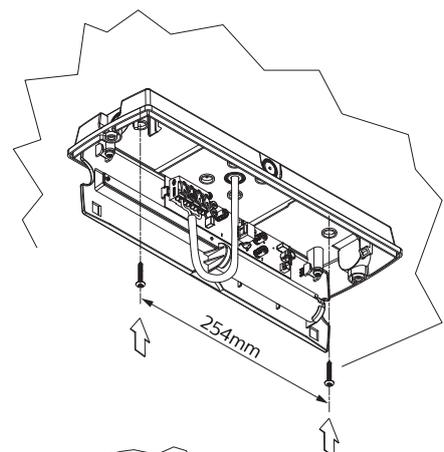
EMERGENCY TERMINATIONS MAINTAINED



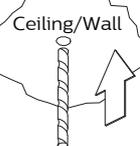
EMERGENCY TERMINATIONS MAINTAINED (SWITCHABLE)



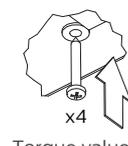
5



Drill hole Ø6mm x2

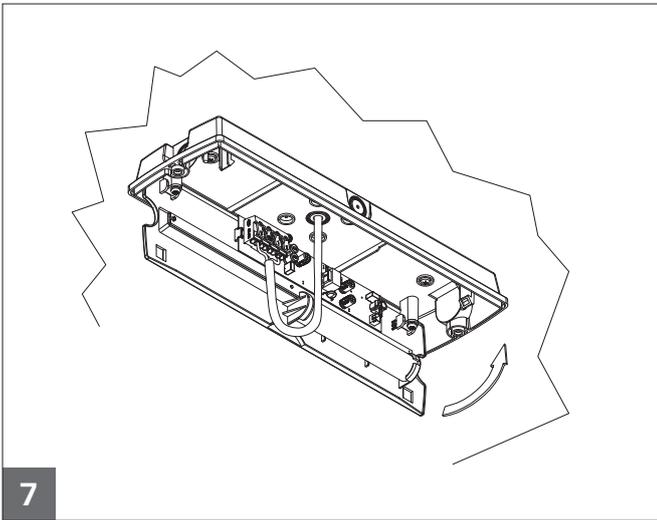


x4

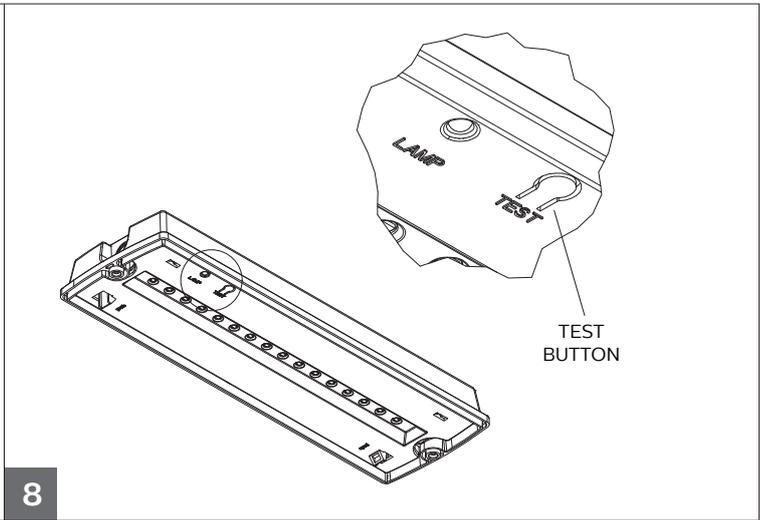


Torque values
2-2.5NM

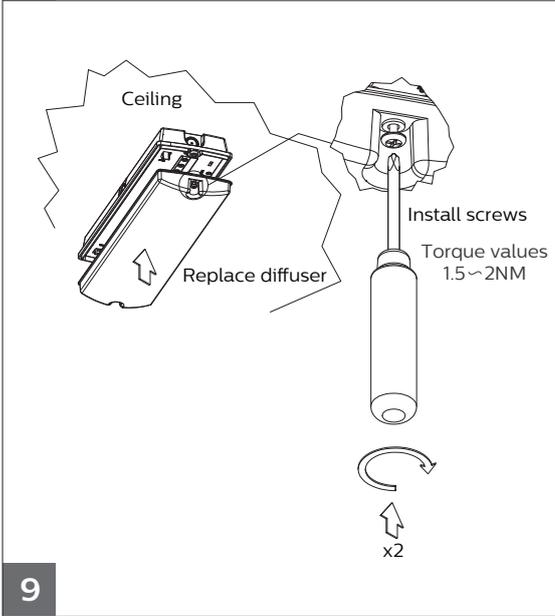
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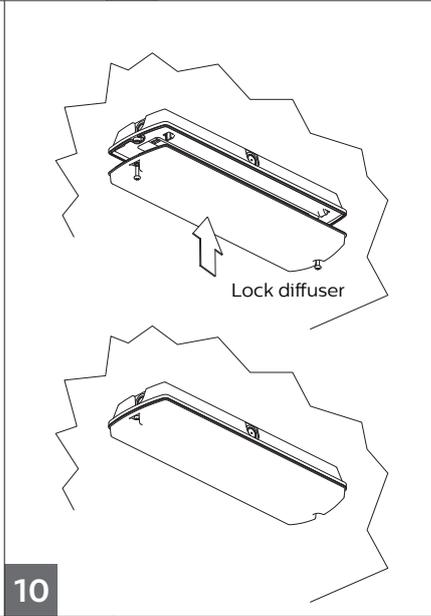
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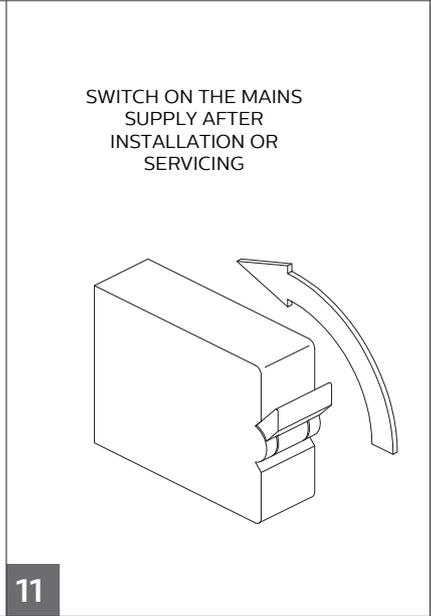
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9

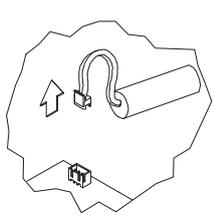


10

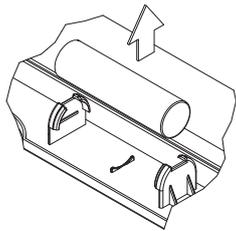


11

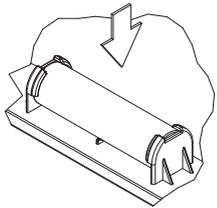
Battery replacement
LiFePO₄ -18650-1500mAh-3.2V



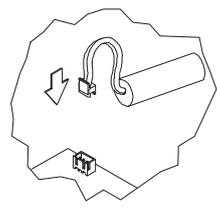
Disconnect battery to converter



Remove the battery

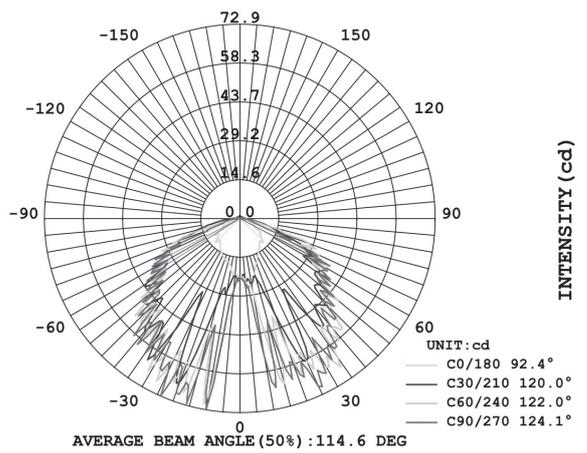


Replace the battery



Connect new battery to converter

Luminous Intensity Distribution



Spacing Data (1 lux)

Mounting Height (m)					
2.50	1.57	4.77	6.74	8.92	3.64
3.00	1.32	4.55	6.94	9.57	3.49
3.50	0.62	4.38	7.00	9.88	3.73
4.00	0.00	3.96	3.88	7.15	0.00



1. For indoor use only.
2. The luminaire complies with IEC60598-1/IEC 60598-2-22.
The luminaire must be installed by a qualified electrician and wired in accordance with the latest IEE Electrical regulations or the national requirements.
3. Turn off the power supply before checking, installation, maintenance or moving.
4. Do not switch on before complete installation.
5. The light source and/or controller contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
6. Batteries shall only be replaced by the manufacturer or his service agent or a similar qualified person.
7. Batteries should be replaced when the luminaire no longer meets the 3 hours duration performance.
8. Product mains surge immunity is 0.5/1KV (diff. / comm. mode). To prevent excessive currents and voltages from damaging the device, make sure that the power supply input is equipped with additional protection devices such as surge protectors. For any questions regarding the product's surge protection, please consult the manufacturer's professional.



Please inform yourself about the local waste disposal, separation and collection system for electrical and electronic products and packaging. Please act according to your local rules and do not dispose your old product and packaging with your normal household waste. The correct disposal of the packaging, your product and/or batteries will help prevent potential negative consequences for the environment and human health. Batteries should be disposed separately from the municipal waste stream via designated collection facilities. When disposing a product that contains non-user replaceable batteries, the non-user replaceable batteries shall be removed by a professional.

Testing Record

Product: _____ Location: _____ Installation Date: _____

Month	Functional/Duration	Year 1	Year 2	Year 3	Year 4	Year 5
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Emergency Bulkhead

Specifications For Self Test

Function Test

The function test is conducted every month for 3 minutes to check whether the battery connection is abnormal and discharge the battery and the connection of LED module.

Duration Test

An initial duration test is conducted when the battery is connected to the controller for the first time and connected to mains, but after 24 hours charging.

The yearly duration test is conducted for 3 hours on one day within the 300th day to the 365th day every year. It will also check the connection of battery and LED module.

Description corresponding to the color and status of the charge indicator

Charge Indicator Color	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 connection is abnormal or failure
		Slow flash	1s	1s	Lamp connection is abnormal or failure
		Fast flash	0.2s	0.2s	Duration failure - the capacity of the battery is insufficient
Both Off		Off	/	/	Emergency mode

Failure indication status should be checked and rectified as soon as possible.

Test button for manual inspection on function test or duration test mode of operation

Duration	Description
Press for <2s	Simulate emergency mode.
Press for 3-5s	Start duration test manually. The test can be aborted by pressing off (1-2s). * Must be conducted when the initial duration test finished and after another 24 hours battery charging.
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:

When the mains is on, the green indicator will be permanently on. It will check the connection of battery and the connection of LED module. If it is a non-maintained fitting, the connection of LED module no need to be checked. When the mains is off, no test will perform.

The luminaires on which we want to perform the function and duration tests must be connected to the mains supply for at least 24 uninterrupted hours. If the mains is off during these tests, the tests will be postponed for 3 days.

When the fault is corrected, the indicator will only be reset to its normal status after mains reconnected or test switch pressed.

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.