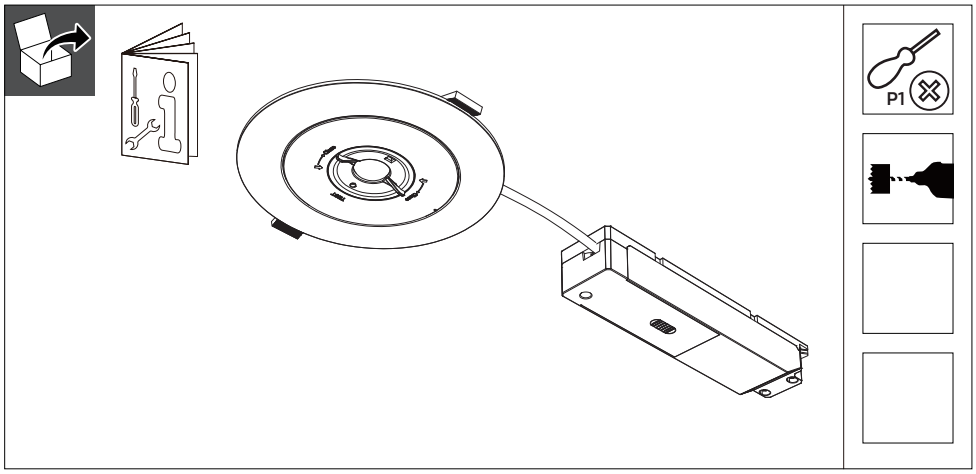
PHILIPS

Emergency Downlight

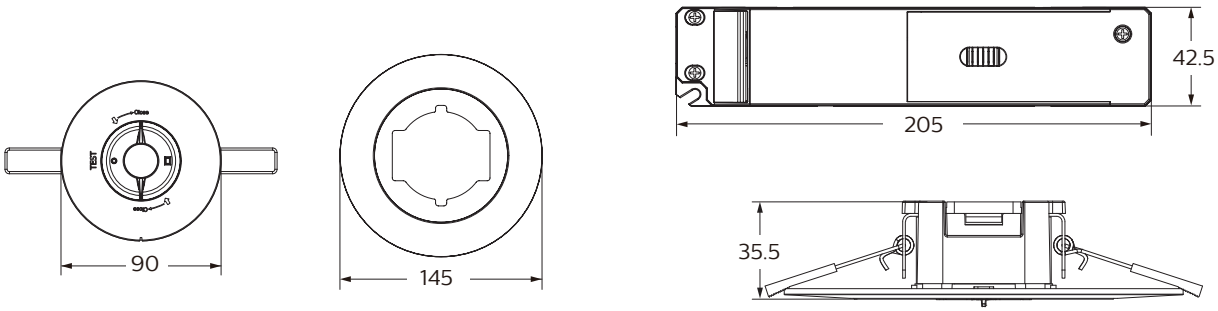
EM151B REC 3S OA/CO



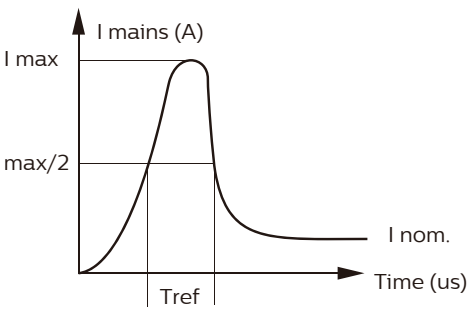
indoor | 220V 240V | 50Hz 60Hz | LEDs | IP20 | GLOW WIRE 650 °C | Max. 45 °C Min. 0 °C

	Test	CCT (K)	Lumen (lm)	P (W)	kg
EM151B REC 3S OA/CO NM3 ELP WH IP20	auto	6500	330(OA) 276(CO)	1.6	0.328

Dimensions in mm



Inrush current



	Electrical characteristics
Inom (mA)	0.025
Imax (A)	5.8
Tref (µs)	3.5
MCB	Luminaires Max.
B-10 A	147
B-13 A	191
B-16 A	235
C-10 A	245
C-13 A	319
C-16 A	393

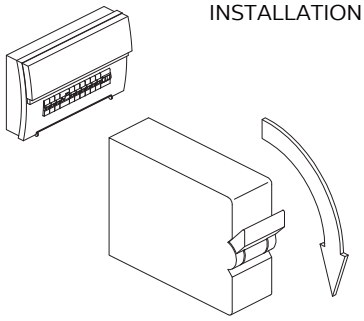
ATTENTION
OBSERVE PRECAUTIONS FOR HANDLING
ELECTROSTATIC SENSITIVE DEVICES

- The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.
- The light source of this luminaire is not replaceable; 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.

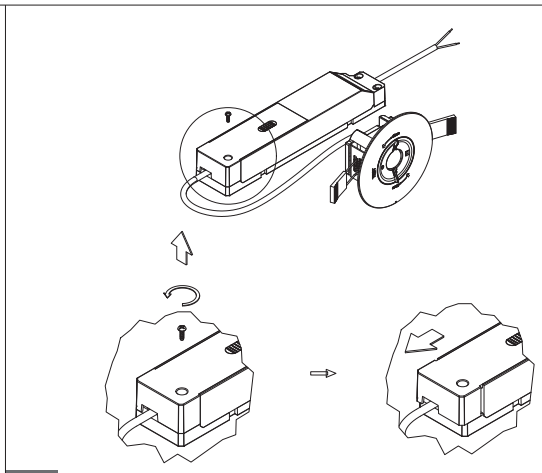
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Keep for future reference: *www.lighting.philips.com*

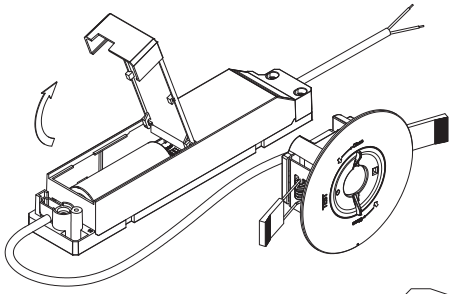
ALWAYS SWITCH OFF THE
MAINS SUPPLY BEFORE
INSTALLATION OR SERVICING

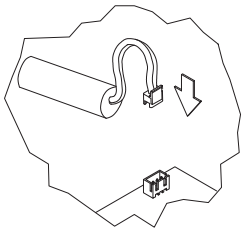


1



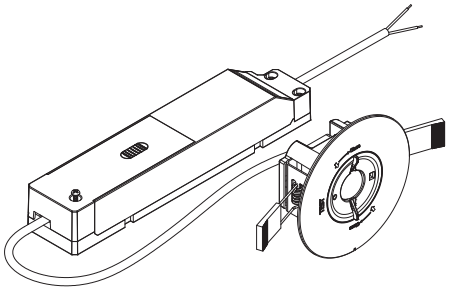
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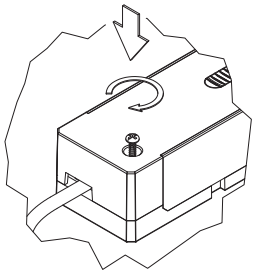




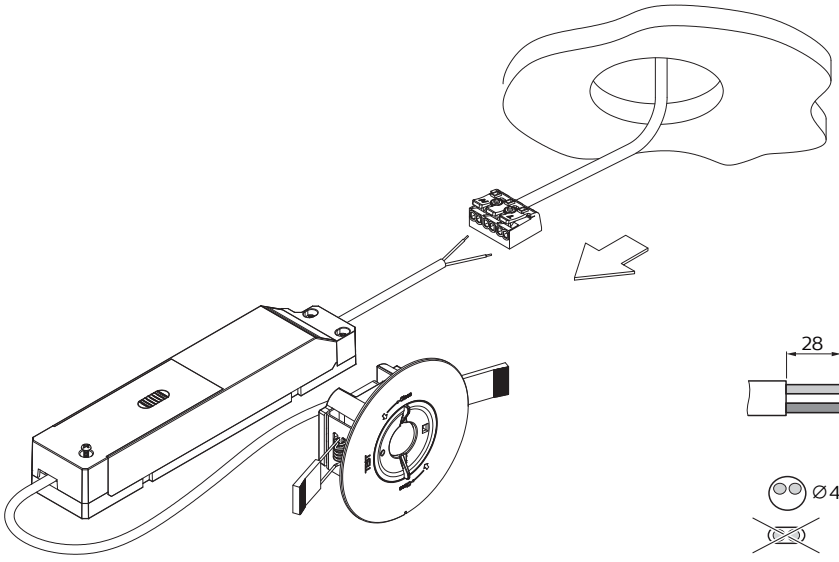
Connect battery
to converter

3



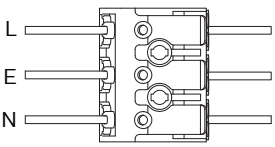


4





LUMINAIRE

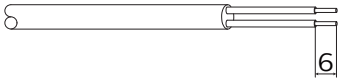


MAINS SUPPLY

Unswitched Line

For continuity of termination of CPC

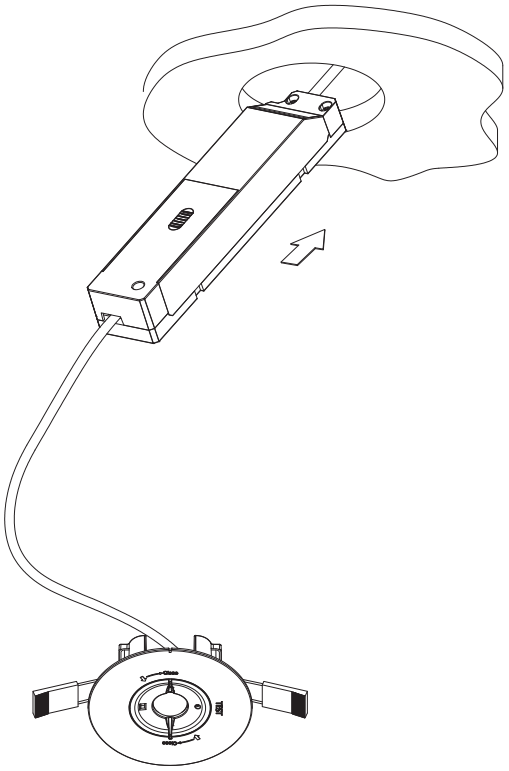
Unswitched Neutral



Brown (L)

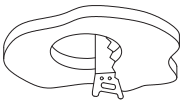
Blue (N)

5

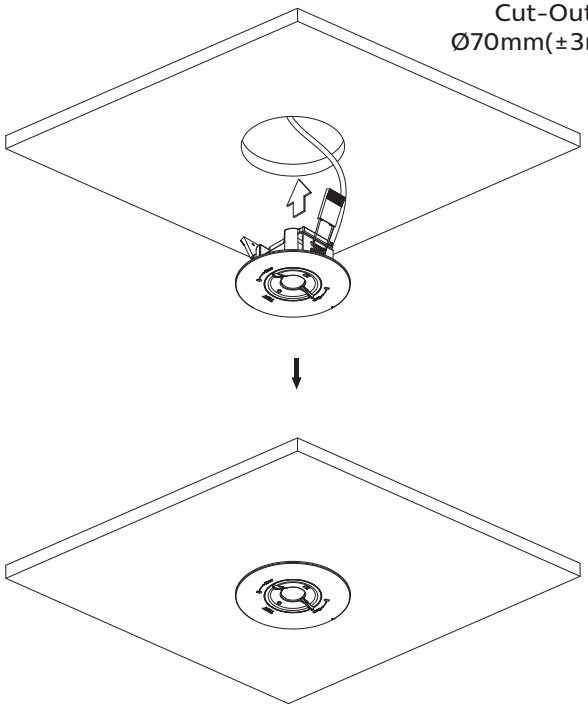


6

Smaller Cut-Outs

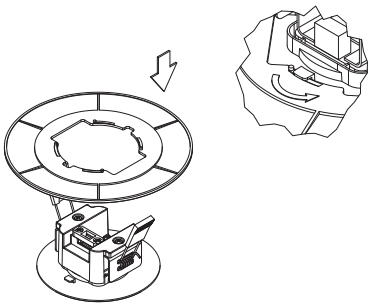


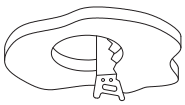
Cut-Out
Ø70mm(±3mm)



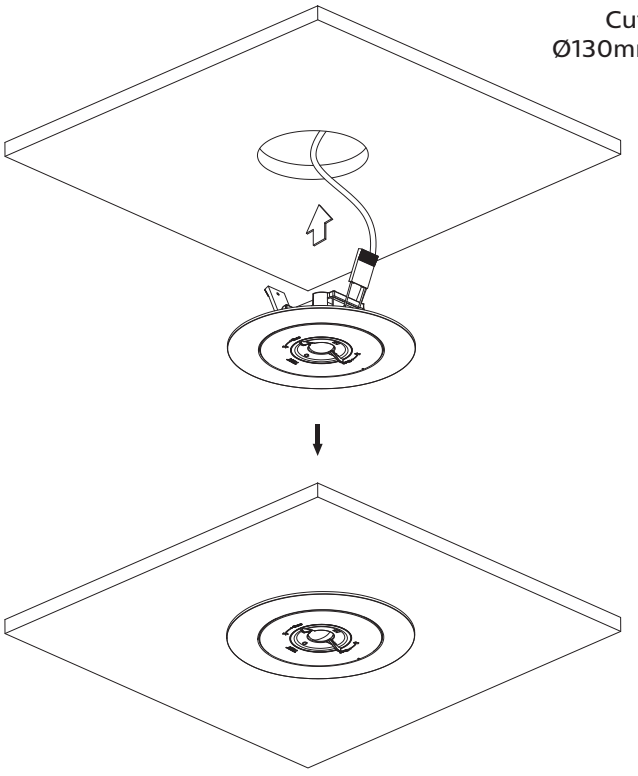
7

Larger Cut-Outs

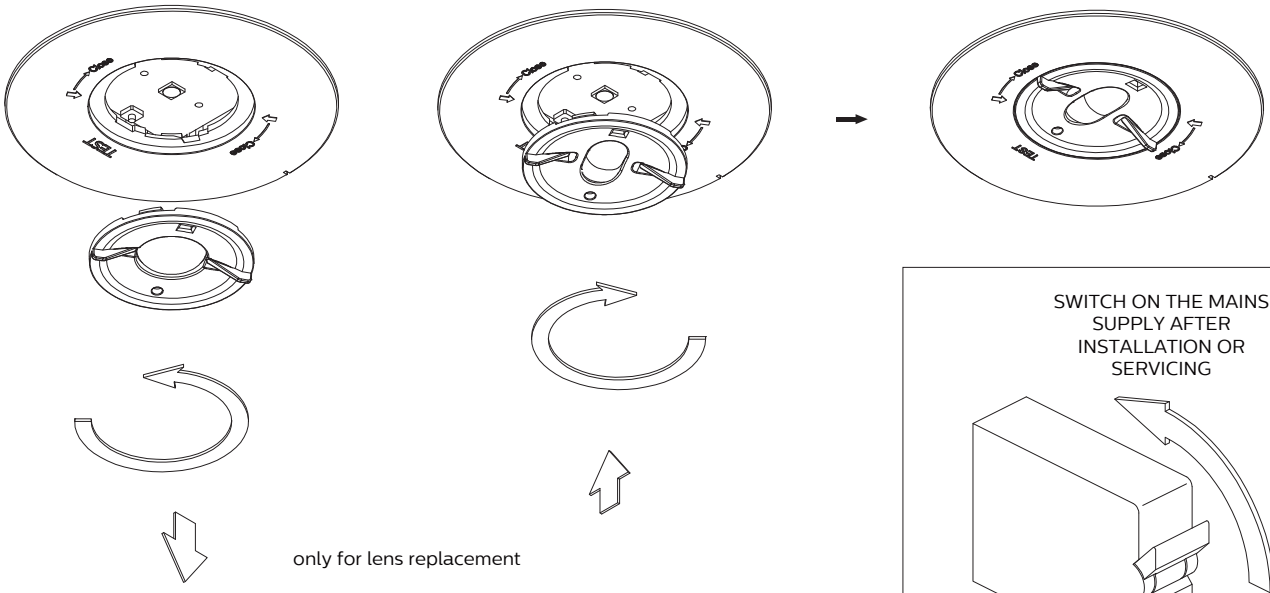




Cut-Out
Ø130mm (±3mm)



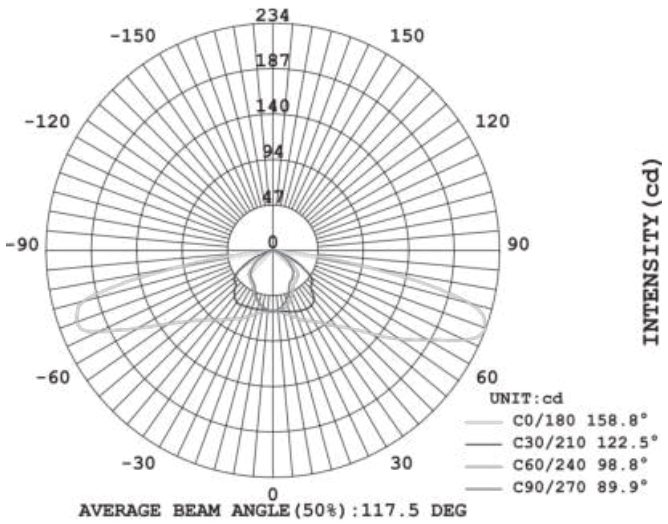
8



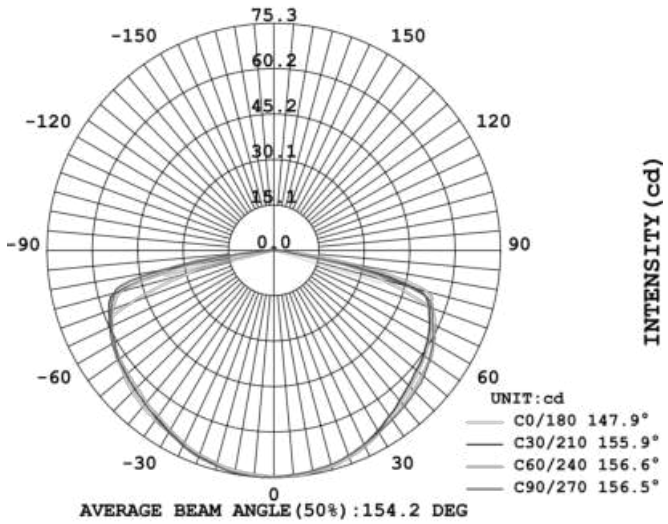
9

10

Luminous Intensity Distribution (Corridor)

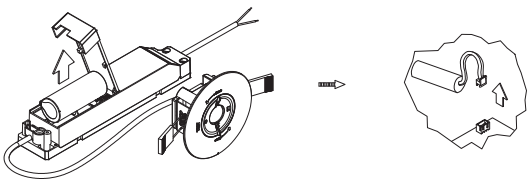


Luminous Intensity Distribution (Open Area)



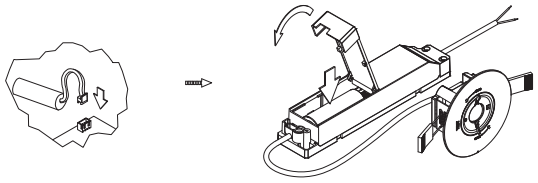
Battery replacement

$LiFePO_4$ -18650-3300mAh-3.2V



Remove the battery

Disconnect battery to converter



Replace the battery and connect to the converter

Install the battery

Corridor Spacing Data (1 lux)

Mounting Height (m)					
2.50	7.31	18.28	18.28	16.39	6.80
3.00	7.67	19.66	19.66	18.28	7.31
3.50	7.80	20.63	20.63	19.66	7.67
4.00	7.62	21.43	21.43	20.63	7.62

Open Area Spacing Data (1 lux)

Mounting Height (m)					
2.50	4.24	11.16	11.16	11.16	4.24
3.00	4.33	11.64	11.64	11.64	4.33
3.50	4.34	11.98	11.98	11.98	4.34
4.00	4.30	12.19	12.19	12.19	4.30



1. For indoor use only.
2. The luminaire complies with IEC60598-1IEC 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. Batteries shall only be replaced by the manufacturer or his service agent or a similar qualified person.
6. Batteries should be replaced when the luminaire no longer meets the 3 hours duration performance.
7. 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 Downlight

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.