PHILIPS
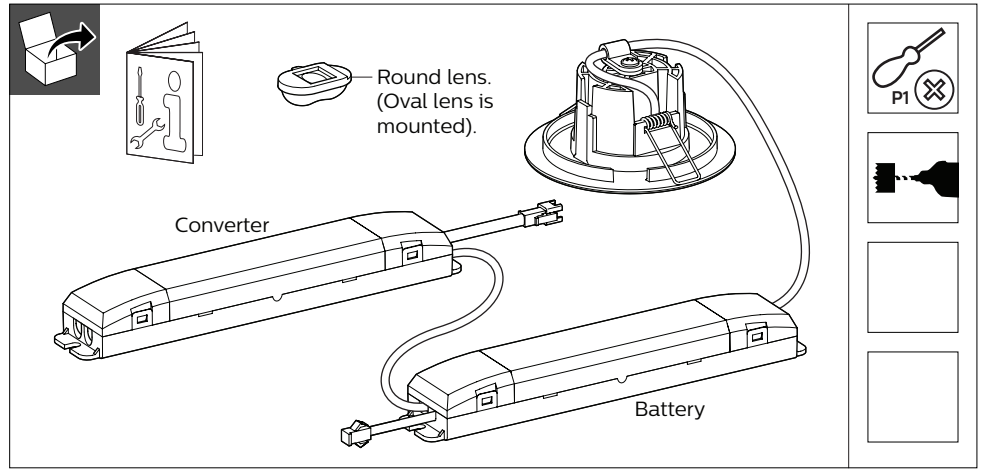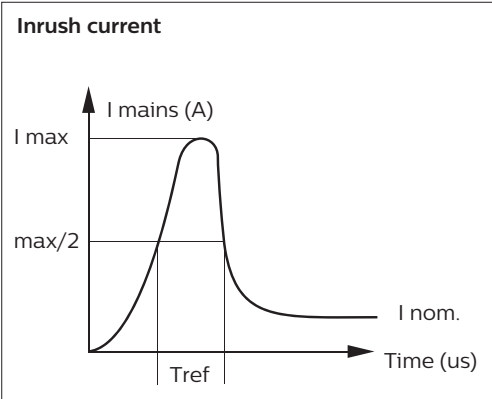
Emergency downlight

EM120B

Round lens.
(Oval lens is mounted).

Converter

Battery

| CE | indoor | 220V 240V | 50Hz 60Hz | ☐ | LEDs | IP20 | GLOW WIRE 650 ℃ | Max. 40 ℃ Min. 0 ℃ | | |

|	Test	CCT (K)	Lumen (lm)	P (W)	Ø mm	kg
EM120B MT	manual	600	185	4	68 – 72	
EM120B AT	auto					

Dimensions in mm

33

4.5

Battery

Ø66

Driver

25

Ø80

2

1 – 25

197

Inrush current

I mains (A)

I max

max/2

I nom.

Tref

Time (us)
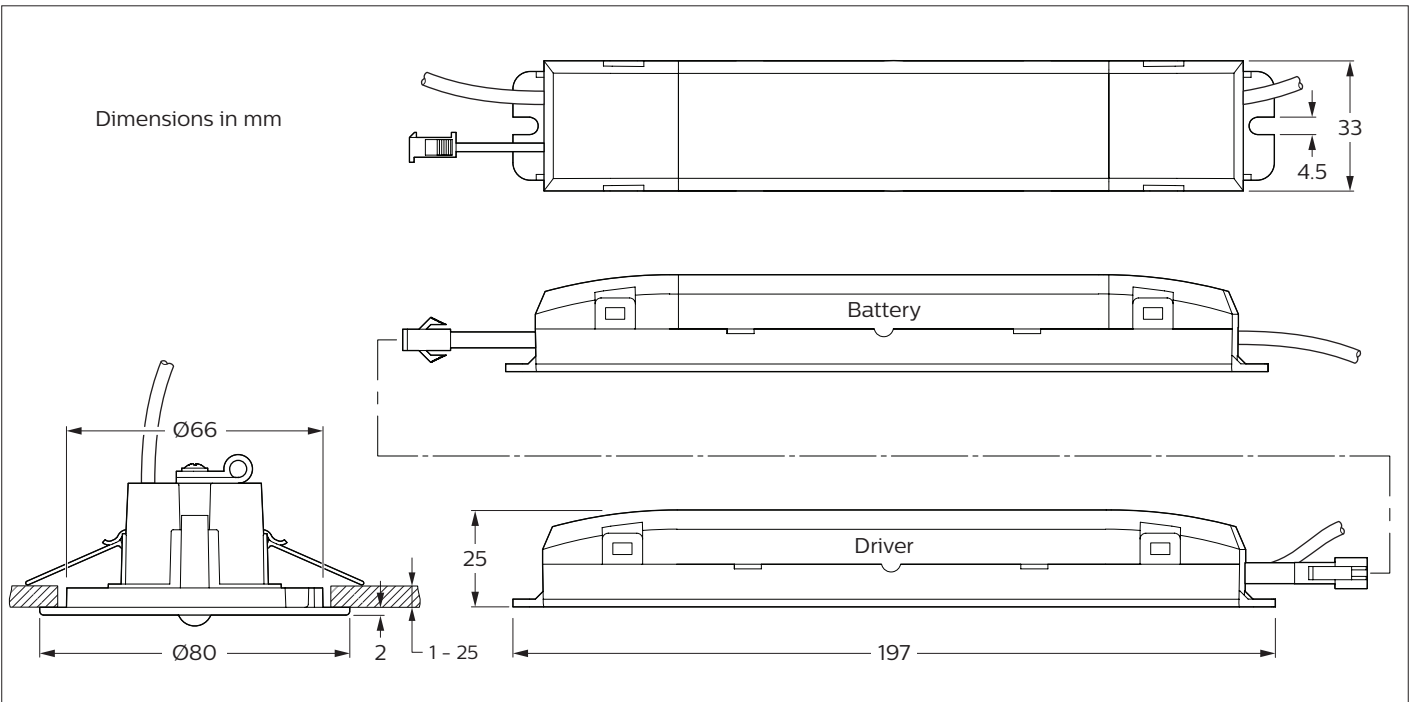
|	Electrical characteristics
Inom (mA)	113
Imax (A)	48
Tref (µs)	1.2
MCB	Downlights Max.
B-10 A	
B-13 A	
B-16 A	
C-10 A	
C-13 A	
C-16 A	

ATTENTION
OBSERVE PRECAUTIONS FOR HANDLING
ELECTROSTATIC SENSITIVE DEVICES

- The luminaire shall be installed by a qualified elec-trician 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.
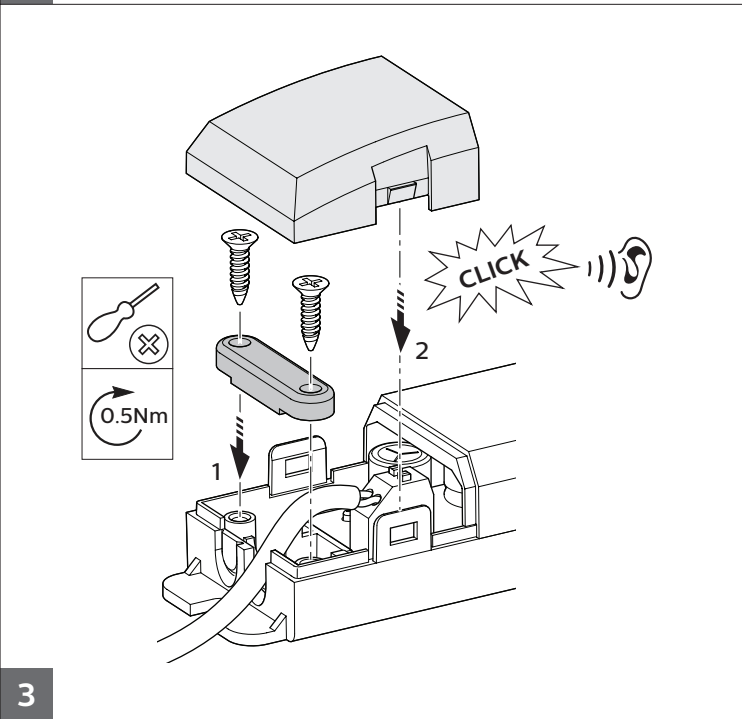- Philips Lighting warranty is applicable only if the indicated drivers are used.

1

Ø 68 – 72

500

200

1000

500
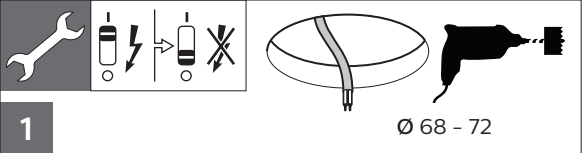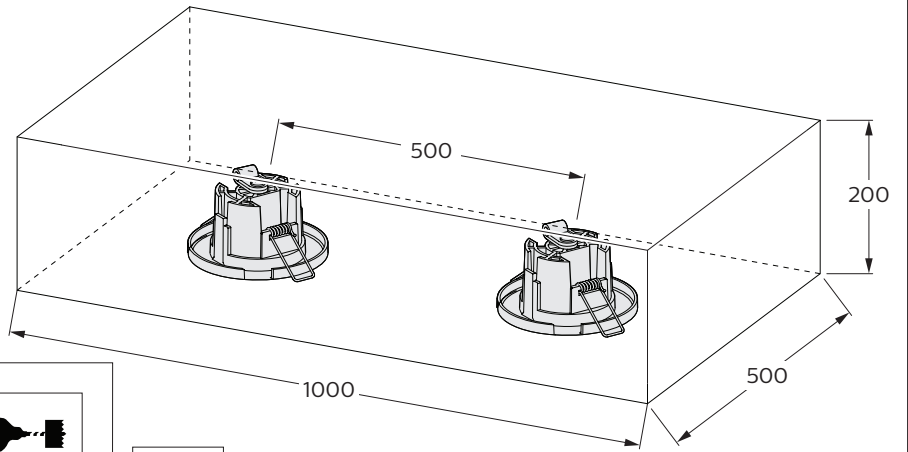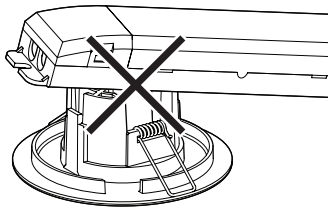
The luminaire shall, under no circumstance, be covered with thermal insulation matting or similar material.

2

Ø 6-9 mm
2 x 0.50-1.5 mm²

1

2
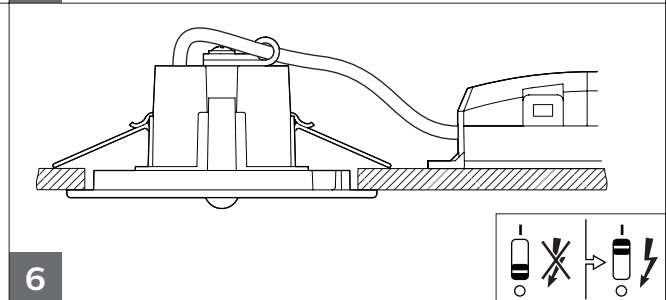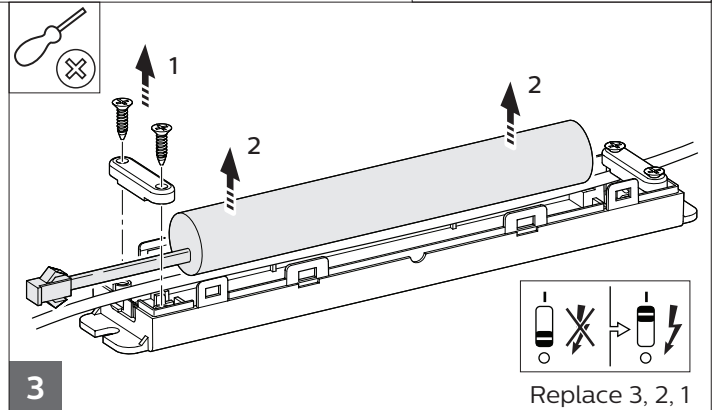
20
9

3

0.5Nm

CLICK

1

2

4

2

2

2

CLICK

1

5

2

1

1
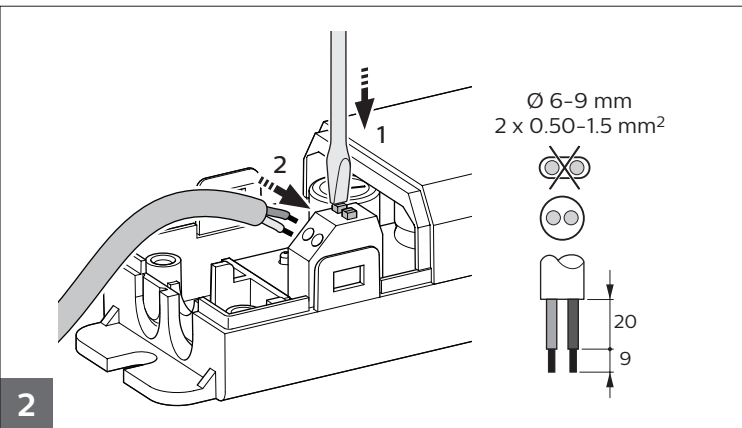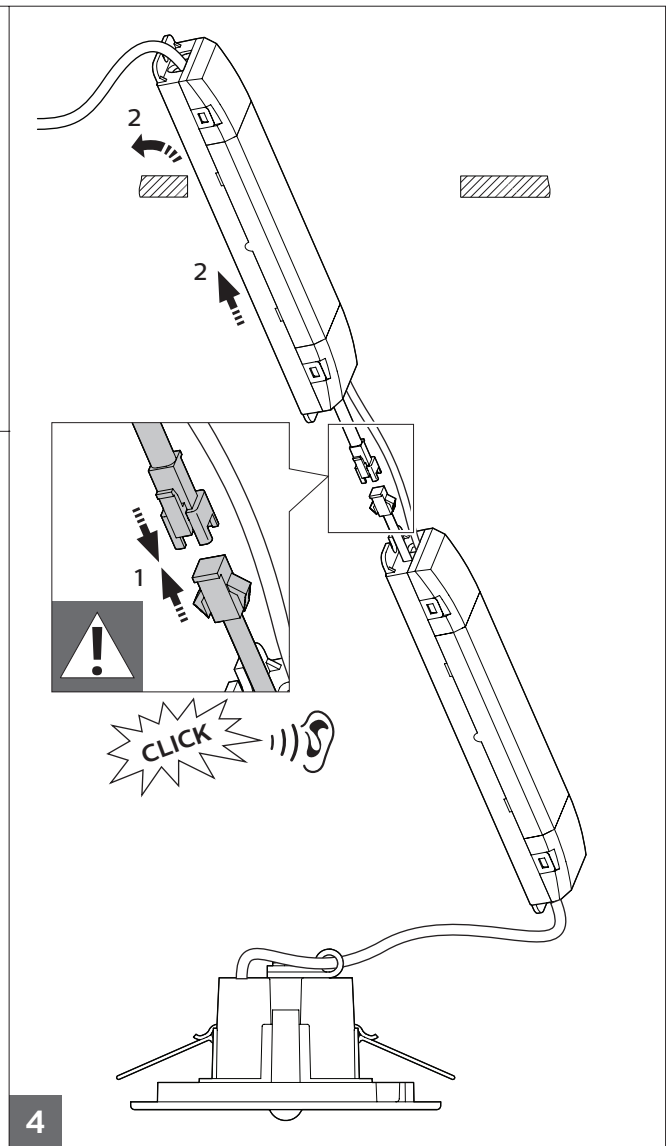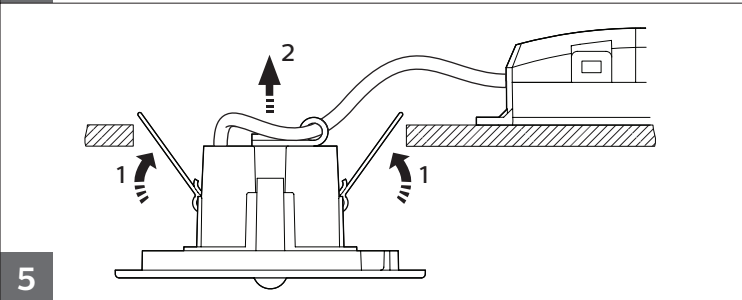
6

Replacement battery (lifetime 4 years)

1

Disconnect

2

3

Replace 3, 2, 1
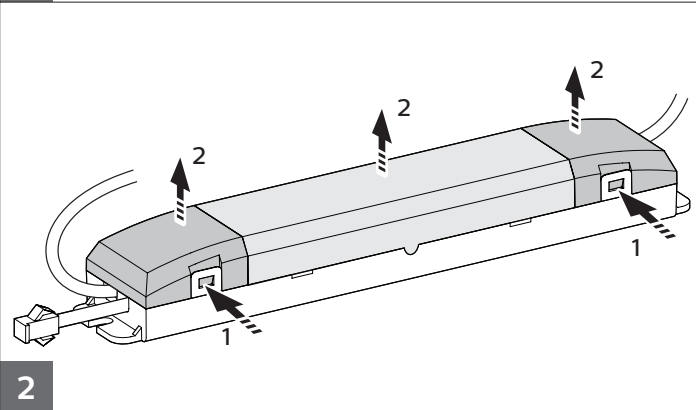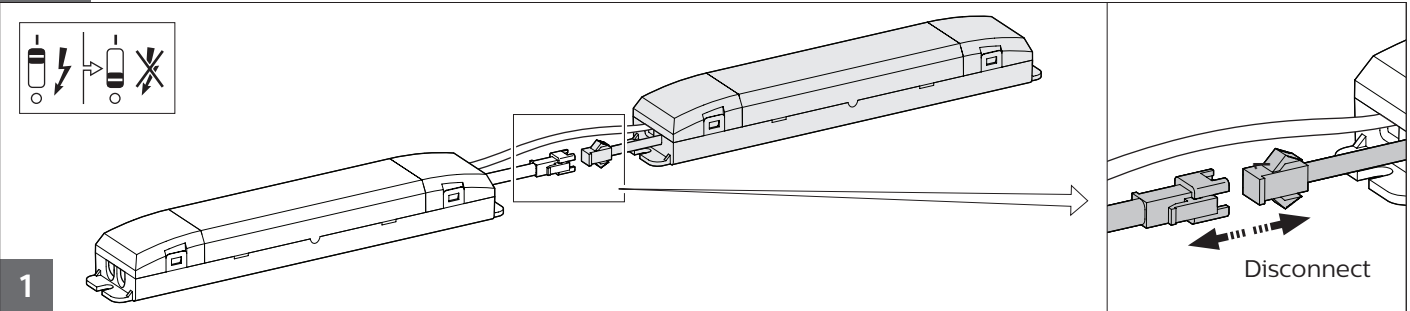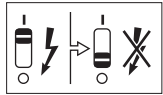
Replacement lens
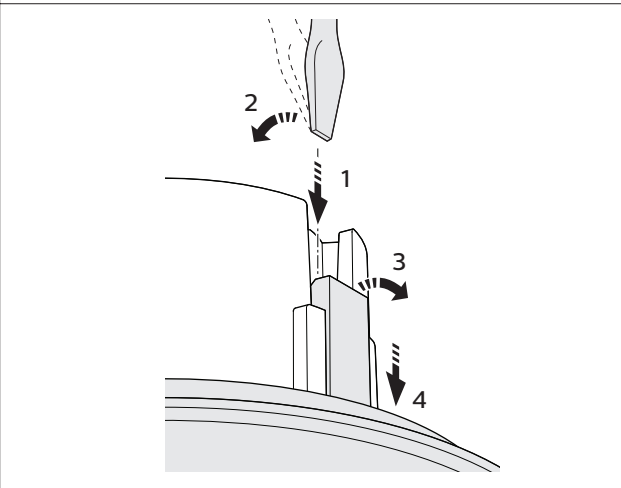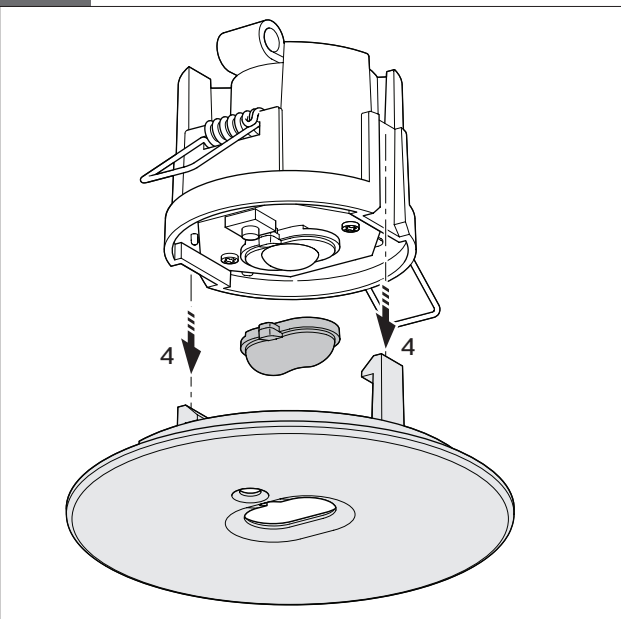
Oval lens for pathway application.

-90° 90°

-60° 60°

-30° 30°

0°

Beam angle C0: 150°   C90: 70°
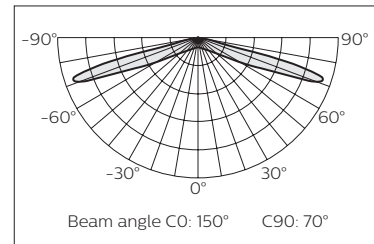
Mounting height (m)	Spacing distance (m)
2.5	16
3.0	18
3.5	20

Compliant EUROPE standard EN1838 illminance requirement:
Escape route up to 2 m wide, 1 lx on the central axis and 0.5 lx
at 50% of the width.

Round lens for open area application.

-90° 90°

-60° 60°

-30° 30°

0°

Beam angle 138°
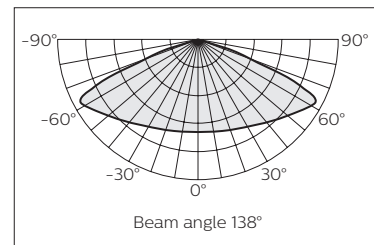
Mounting height (m)	Spacing distance (m)
2.5	8
3.0	9
3.5	10

Compliant EUROPE standard EN1838 illminance requirement:
Escape route up to 2 m wide, 1 lx on the central axis and 0.5 lx
at 50% of the width.

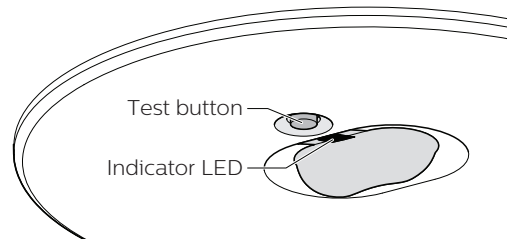## Manual test version

Press test button once	30 second duration test
Press test button 2 times within 2 seconds	3 minute duration test
Press test button 3 times within 2 seconds	30 minute duration test
Press test button 4 times within 2 seconds	3 hours duration test

Test button
Indicator LED

Self test version

Once the unit is powered up it will automatically initiate a self test and diagnostics as follows:

Every 4 seconds : Checks for battery disconnection, charger board fault, lamp failure and transformerfailure
Every month : Performs a 3 minute duration test
Every year : Performs a 1 Hour or 3 Hour duration test

Dual color indicator LED:
Green solid on;   Ready / normal operation
Green flashing;   Testing
Red flashing;   Requires service

Charge time

24h00

*	One flash, 4 seconds pause	Battery not connected
**	Two flashes, 4 seconds pause	Battery short or low battery voltage
***	Three flashes, 4 seconds pause	Charger board fault
****	Four flashes, 4 seconds pause	Transformer board fault
*****	Five flashes, 4 seconds pause	LED lamp fault

Note 1:   After repairing a service fault, press and hold the test button for 2 seconds to reset
Note 2:   Manual testing also works with the self test unit