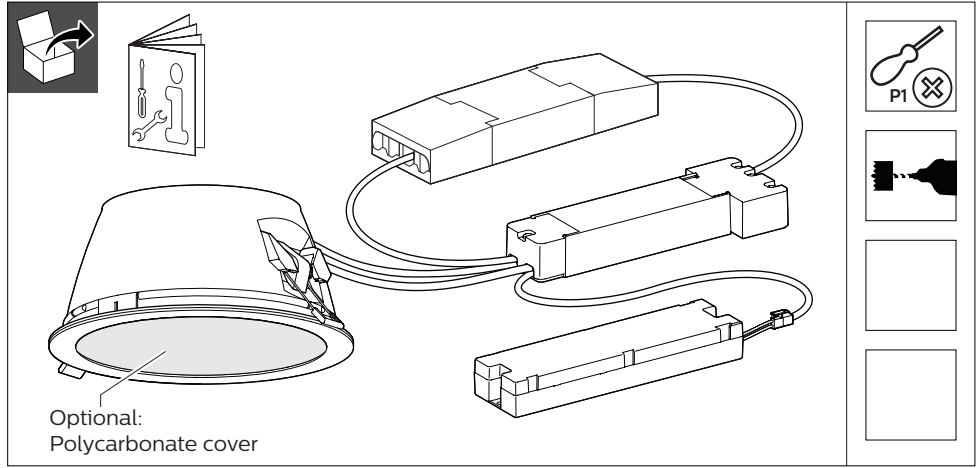


PHILIPS

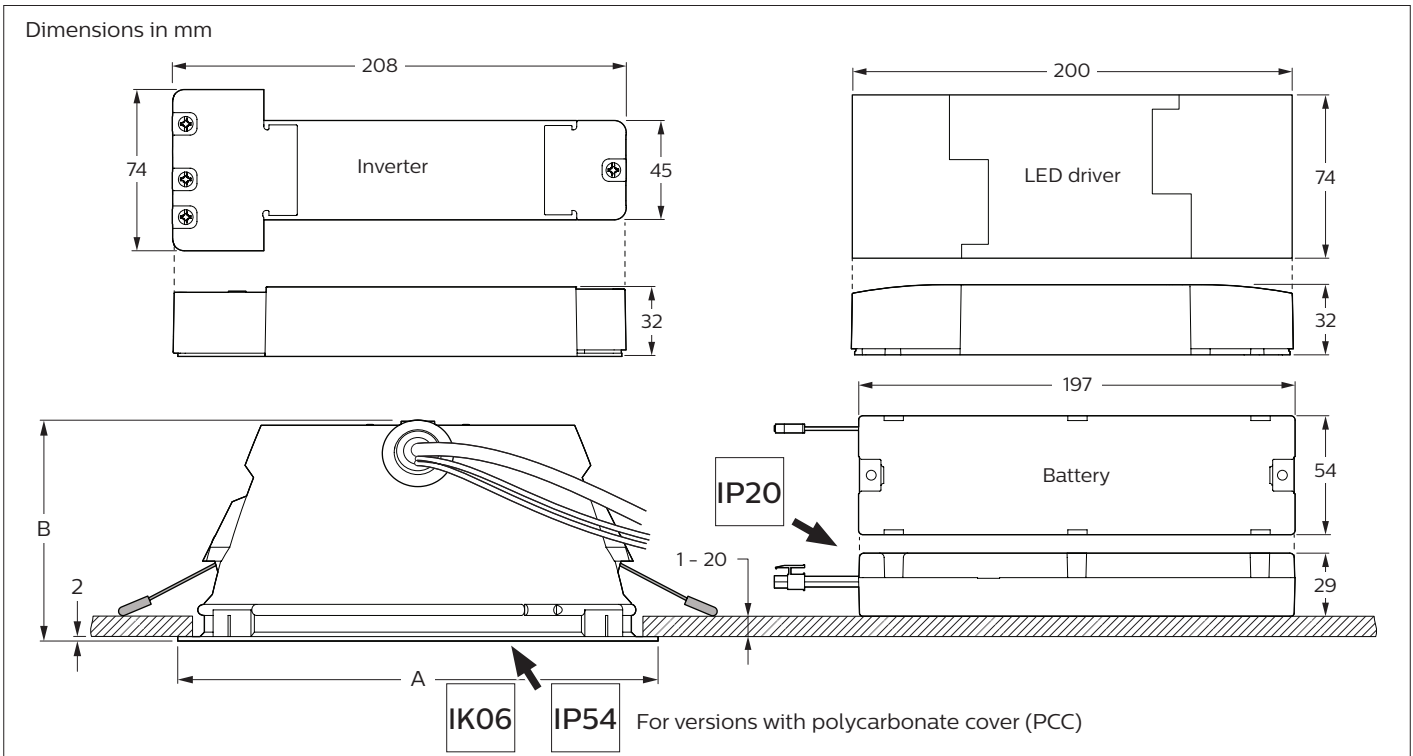
GreenSpace Downlight Emergency Lighting

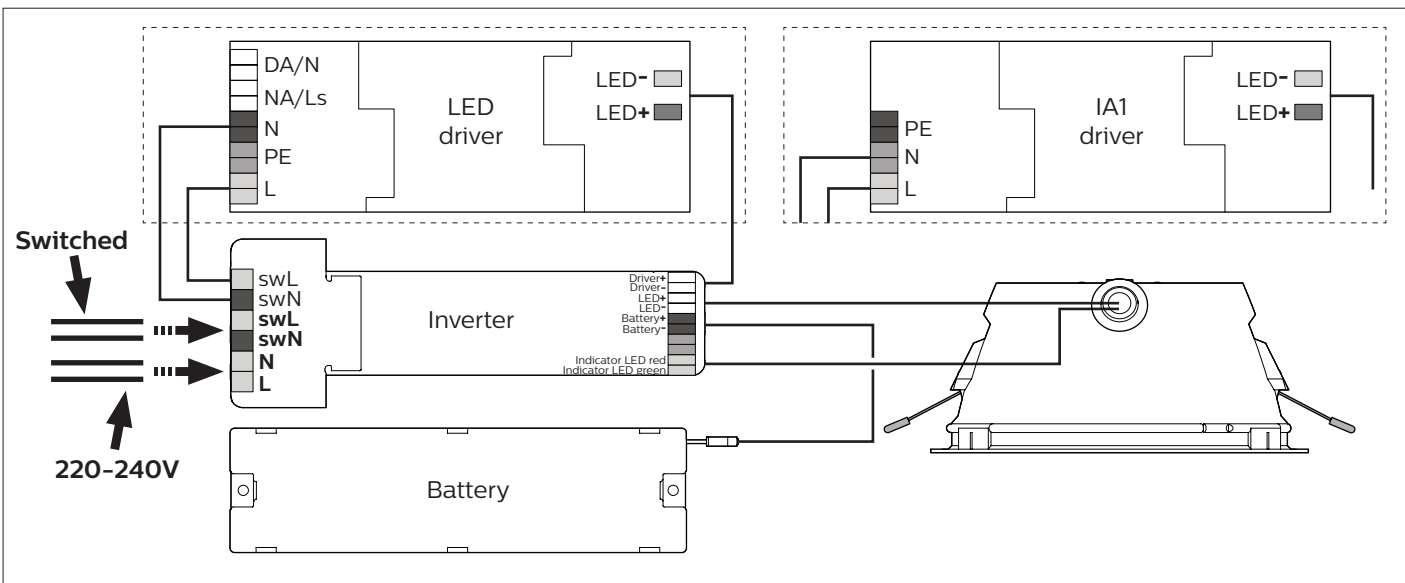
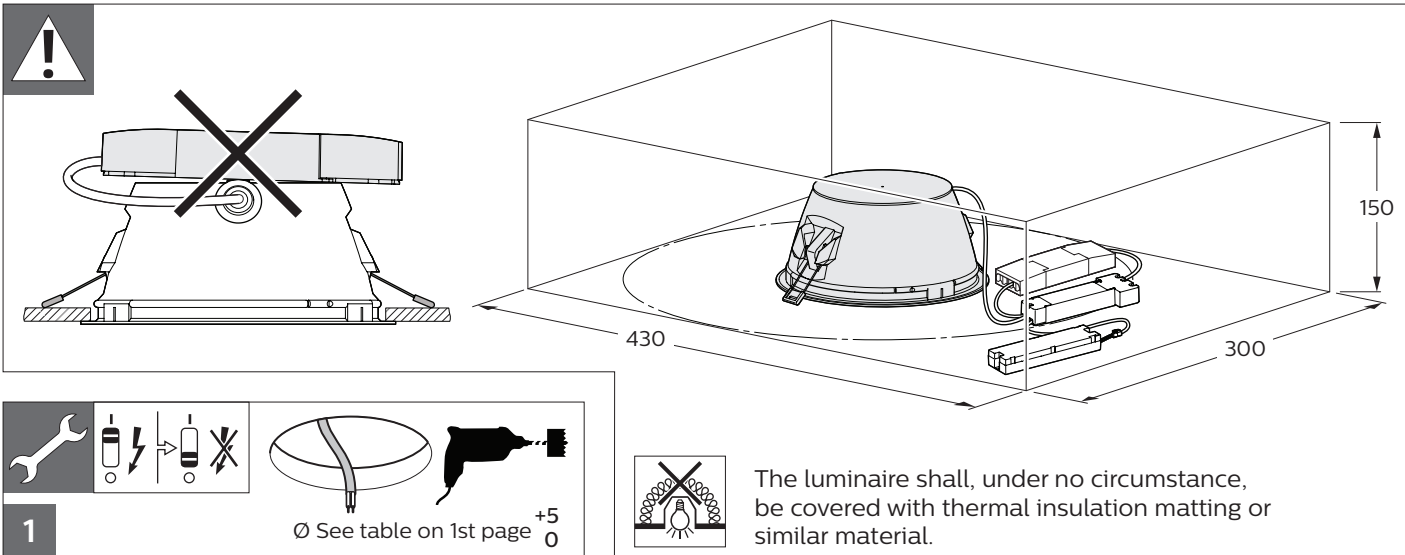
DN460B, DN461B DN462B,
DN463B, DN470B, DN471B,
DN472B, DN473B



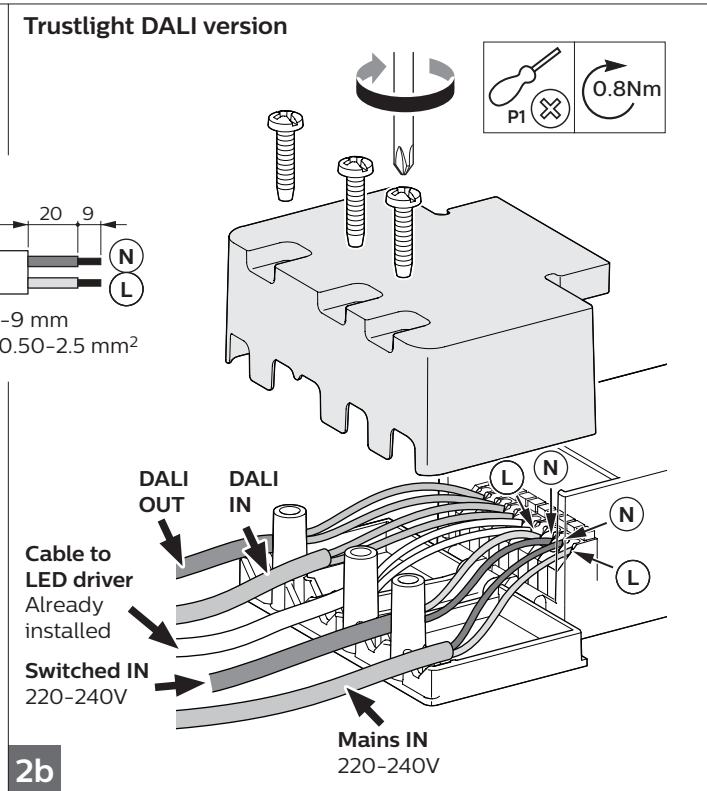
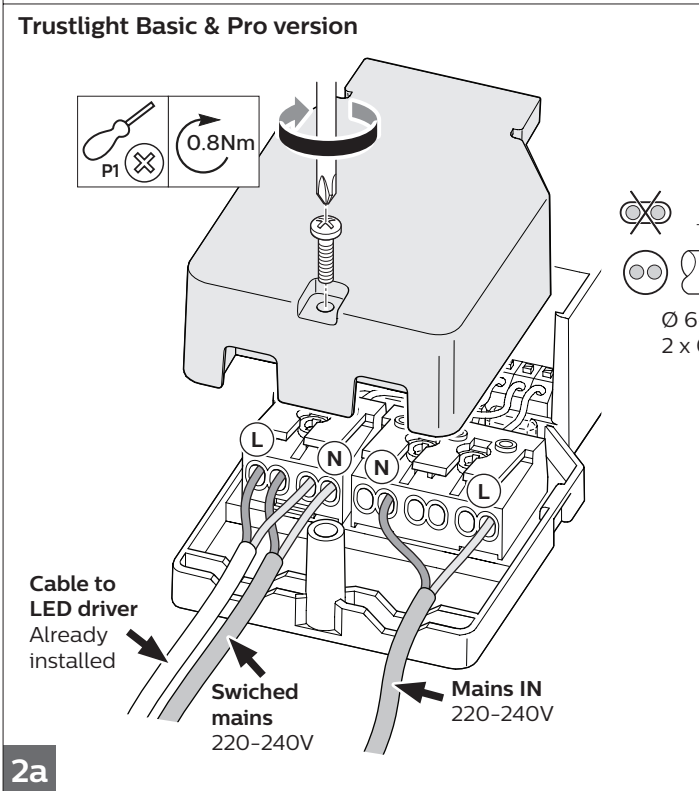
	Lumen (lm)	CCT (K)	Pmax. (W)*	UGR	IP..	Max. ... °C Min. ... °C	A	B	Ø mm	kg
DN460B	1100		14	22	20		166	77	150	1.250
DN461B				19						
DN462B PCC				22						
DN463B PCC				19						
DN470B	2000	830, 840	21.5	22	20	0/40	216	94	200	1.500
DN471B				19						
DN472B PCC				22						
DN473B PCC				19						
DN470B	3000		29	22	20					
DN471B				19						
DN472B PCC				22						
DN473B PCC				19						

* In charging mode.

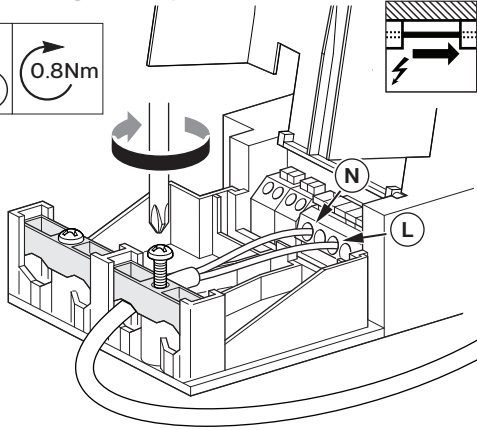
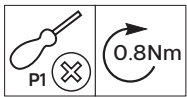




N Blue wire Yellow-Green wire **L** Brown wire

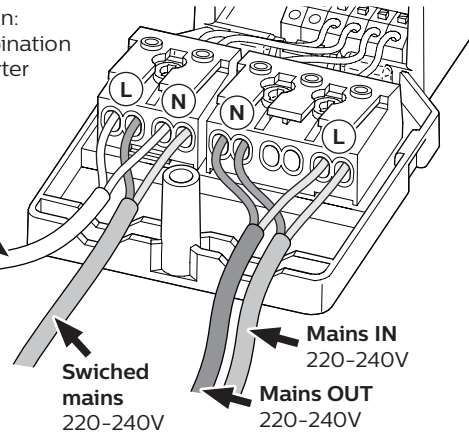


Through-wiring PSE-E / IA1



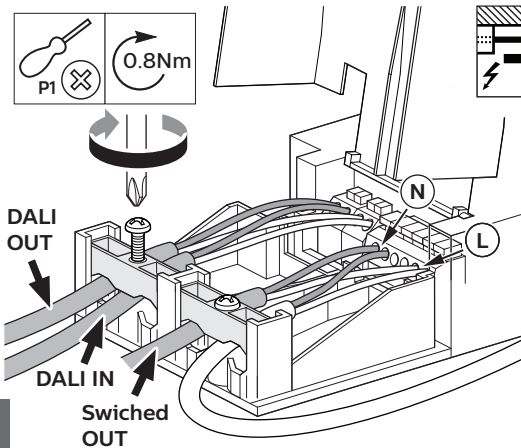
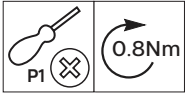
Through-wiring option:
PSE-E driver in combination
with ELB or ELP inverter

Cable to
LED driver
Already
installed



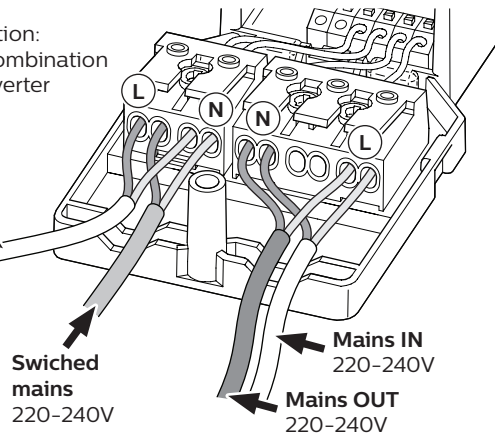
3

Through-wiring PSED-E

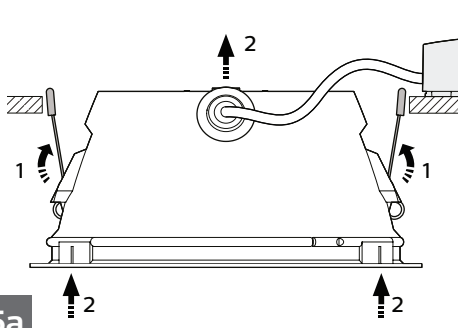


Through-wiring option:
PSED-E driver in combination
with ELB or ELP inverter

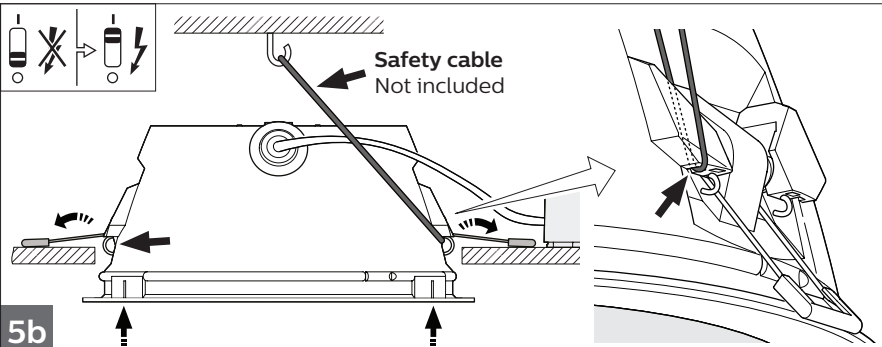
Cable to
LED driver
Already
installed



4



5a



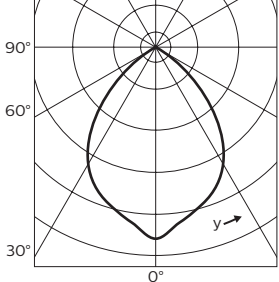
5b

Light output in emergency operation mode (UGR22) BLF:

DN460B / DN462B 38%

Polar intensity diagram

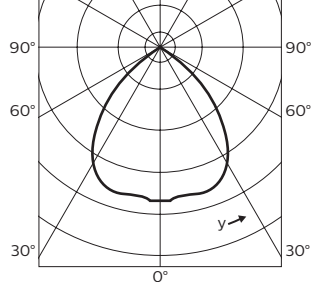
120° 180° 120°



DN470B / DN472B 19%

Polar intensity diagram

120° 180° 120°

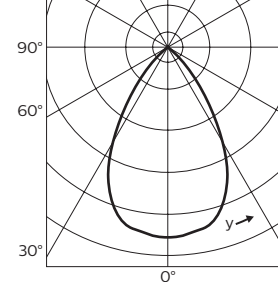


Light output in emergency operation mode (UGR19) BLF:

DN461B / DN463B 38%

Polar intensity diagram

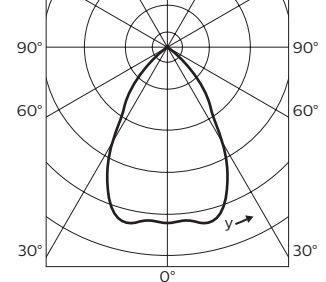
120° 180° 120°



DN471B / DN473B 19%

Polar intensity diagram

120° 180° 120°



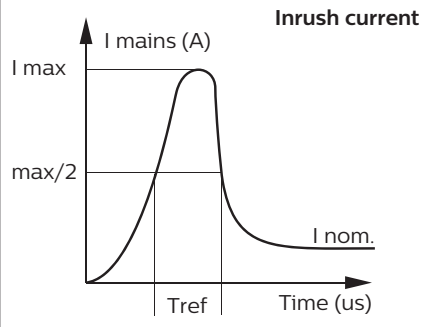
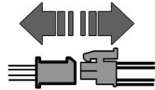
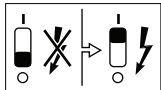
	Emergency flux (lm)		Emergency flux (lm)
DN460B	409	DN461B	390
DN470B	398	DN471B	380
DN462B IP54	393	DN463B IP54	375
DN472B IP54	383	DN473B IP54	365

Service: (Driver/battery replacement)

The battery should be replaced when it no longer meets the rated duration of operation after the corresponding recharge period. The batteries have a life time expectancy of 4 years.

Light source (LED) is not replaceable.

- 1.) Disconnect the old battery
2. Reconnect the new battery



	PSE-E	PSED-E	IA1
	20W	36W	20W 36W 36W
Electrical characteristics			
I _{max} (A)	15.8	16	20.4 20.4 12
T _{ref} (µs)	224	216	195 195 250
MCB Luminaires max.			
B-10 A	22	22	15 15 15
B-16 A	36	36	24 24 24
C-10 A	37	37	25 25 25
C-16 A	61	61	40 40 40

- Charging time: 16h
- Charge current: 130mA
- Battery: NiMH 2500 mAh sC-Cells
- Battery fuse: F4A 250V (fast)
- AC line fuse: T500mA 250V
- Inrush current (I_{peak}): 3.2A
- I_{peak} (half peak time): 1 msec
- Battery storage temp: · at 20 - 30°C: max. 6 months
· at 20 - 40°C: max. 1 month

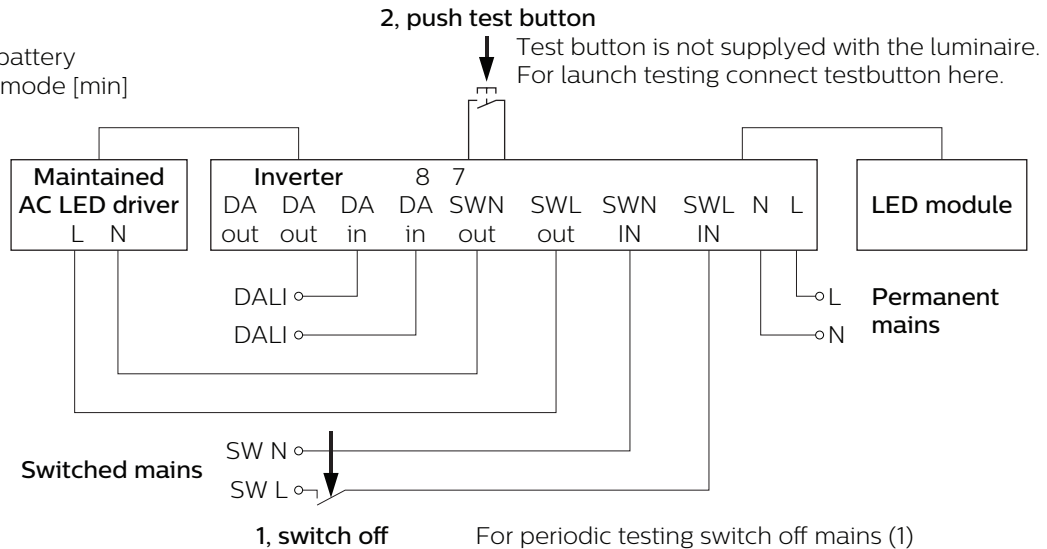
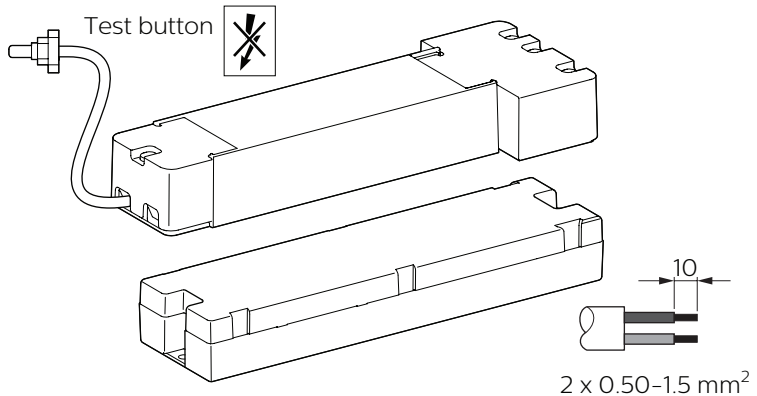
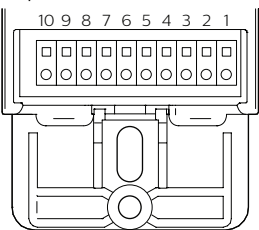
Luminaire classification:

X 1 ---E 180

- X: self-contained
- 1: maintained
- A: Including test device
- E: non replaceable lamp/battery
- 180: duration of emergency mode [min]

Test button:

7&8 connectors
Initiate functional test as long as switch pressed:
press 0 < time < 10 s
Initiate duration test:
press > 10 s



- To assure the lighting quality of this unique LED lighting concept there are only a few instructions regarding the maintenance of this LED luminaire:
- Do not touch electronic components! Electronic components maybe under high voltage.
 - Do not stare into LED light beam.
 - The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.
 - The batteries have a life time expectancy of 4 years.
 - After storage time has passed battery can be revitalize only once by full charging.
 - Only to be installed outside arms reach as recessed ceiling luminaire
 - The light source of this luminaire is not replaceable, when the light source reaches its end of life the whole luminaire shall be replaced.

Charging
After first installation (and after each emergency mode operation), the batteries need to be charged for at least 24 hours to become sufficiently charged again. If the battery is not completely discharged the required charge time is shorter accordingly. The status of the battery is given by the indicator LED.

Periodic testing
For TrustSight Basic periodic tests should be performed according to EN 50172:2004, clause 7.2.3 and 7.2.4. monthly, switch on in the emergency mode by simulation of a failure of the supply to the normal lighting for a period sufficient to ensure that each lamp is illuminated. Annually, each luminaire shall be tested for its full rated duration (at least 1hr or 3hrs (depending on product installed).

Self-Test
The TrustSight Pro and DALI versions are equipped with a self-test functionality according IEC 62034. At 28 days after power-up the TrustSight will perform a functional test of 30 seconds. Every 6th test (after half year) will be a duration test. This test will run until the battery is empty and it will check if the capacity of the battery is sufficient to provide 1hr or 3hrs emergency time for respectively a 1hr or 3hrs system. This will result in 2 full duration tests every year. During the tests the battery and output is checked. During the duration test also the battery capacity is checked. In case of a failure, an error will be indicated by the indicator LED.

When scheduling a test (functional or duration test) the operation of the AC-driver is also checked. When the AC-driver is active, so normal lighting is on, the test will be postponed for a maximum of 3 days. When the AC-driver is off for at least 1 hour the test is started. The functional and duration test can only be started when the battery is fully charged.