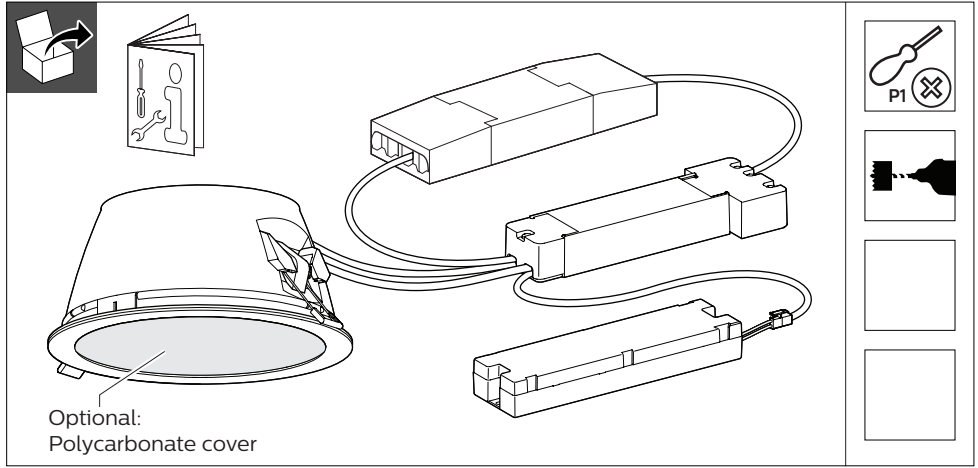


PHILIPS

GreenSpace Downlight Emergency Lighting

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



220V
240V

50Hz
60Hz



Max.
40 °C
Min.
0 °C

GLOW
WIRE
750 °C

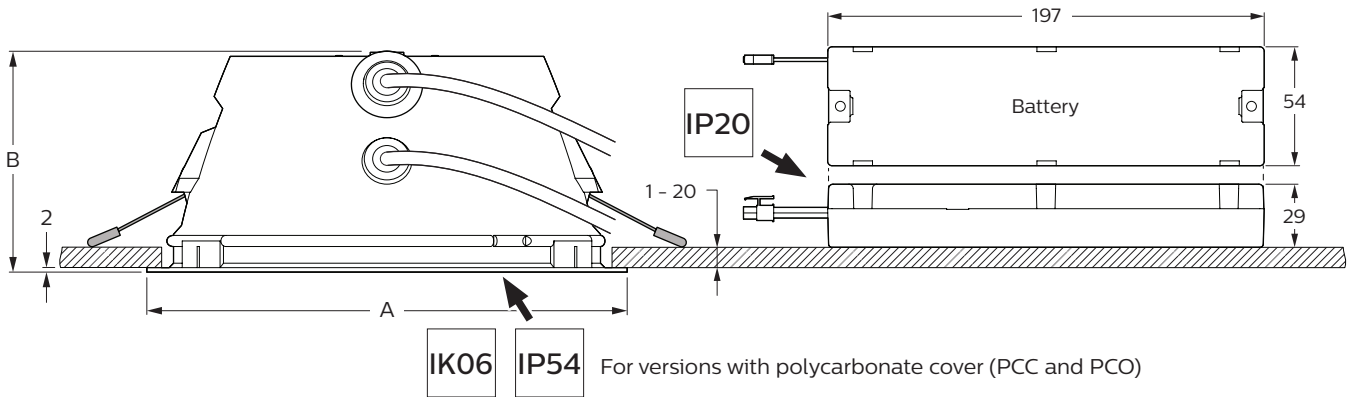
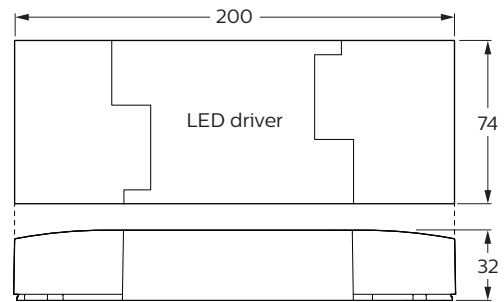
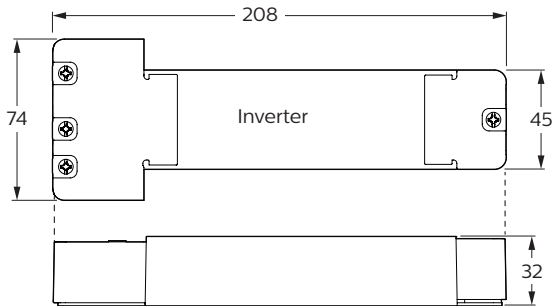
IP20

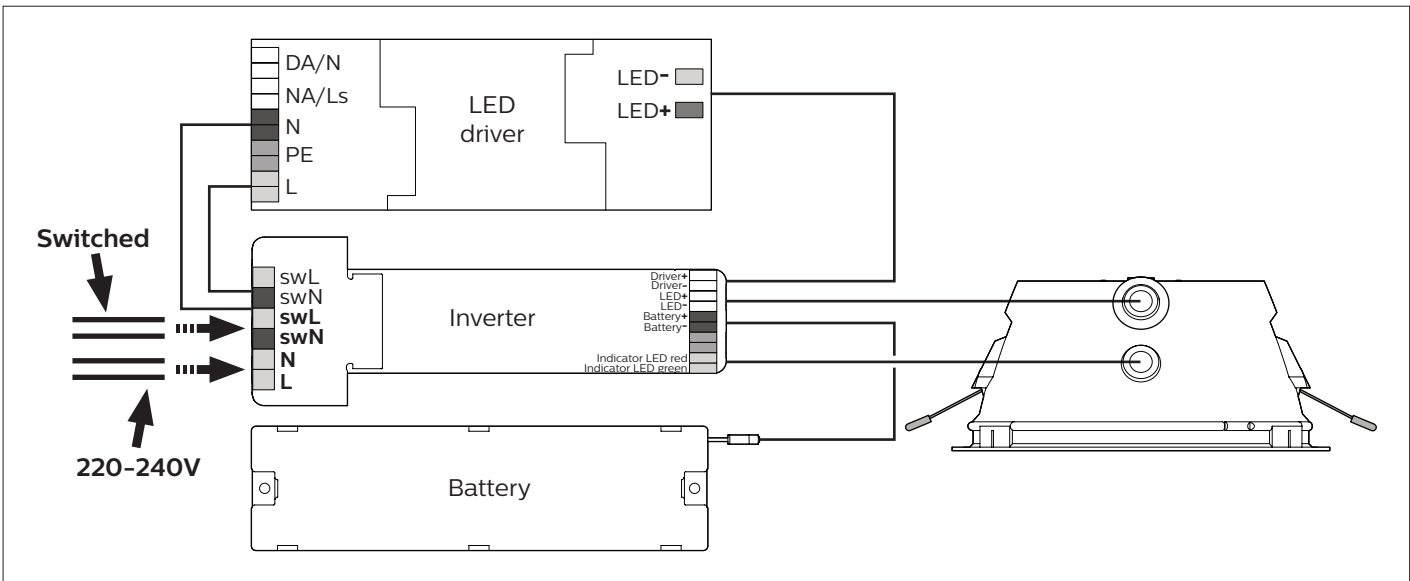
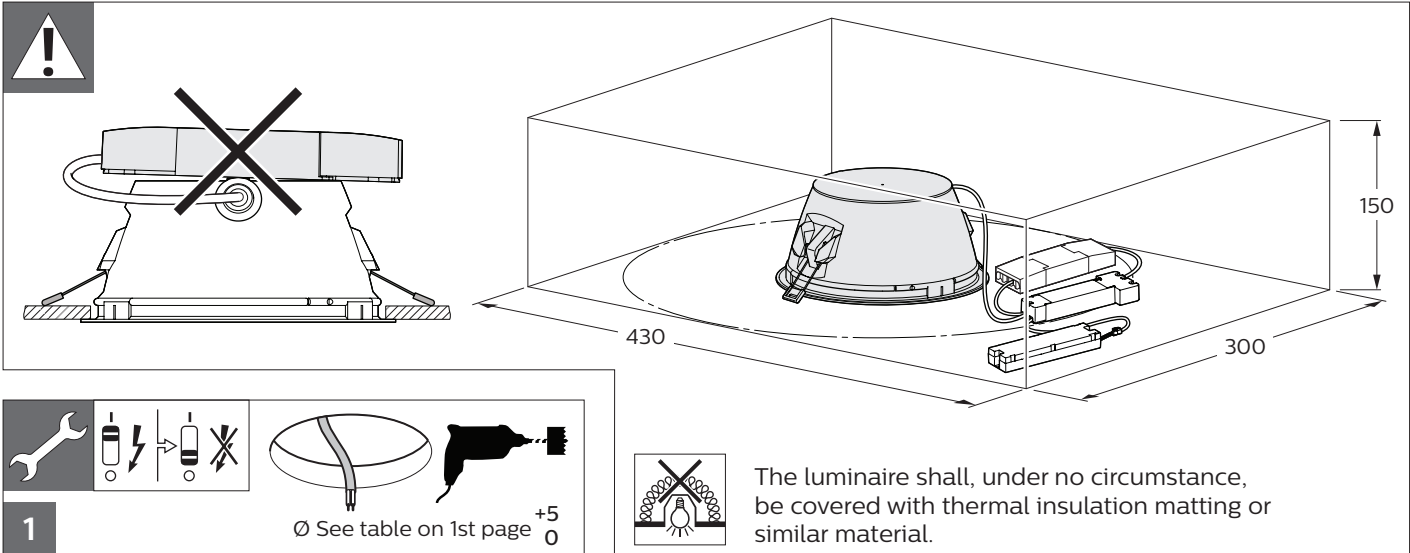
IK02



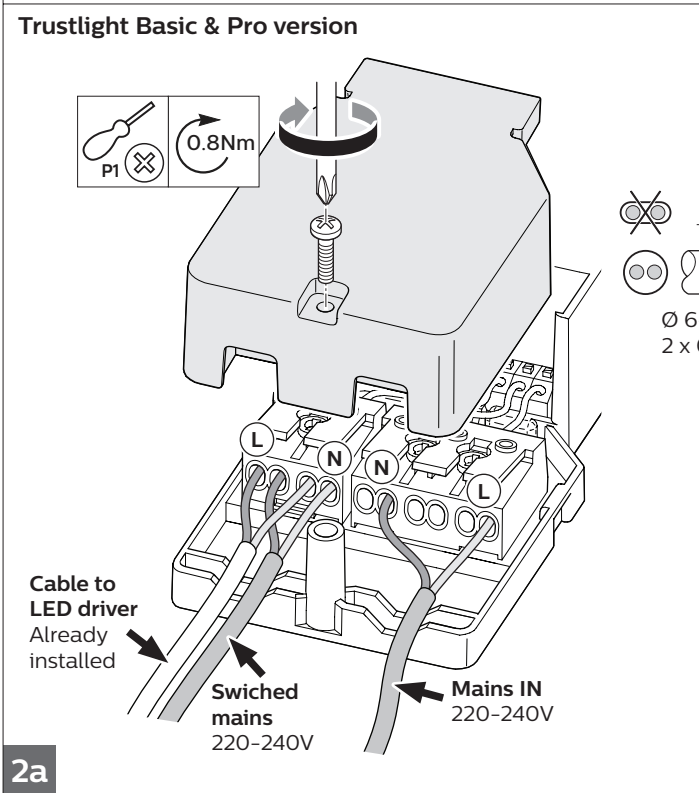
	Lumen(lm)	CCT (K)	P(W)	UGR	A	B	Ø mm	kg
DN460B	1100	830, 840	13	22	166	77	150	1.250
DN461B				19				
DN462B				22				
DN463B	2000	830, 840	21.5	19	216	94	200	1.500
DN470B				22				
DN471B				19				
DN472B				22				
DN473B				19				

Dimensions in mm

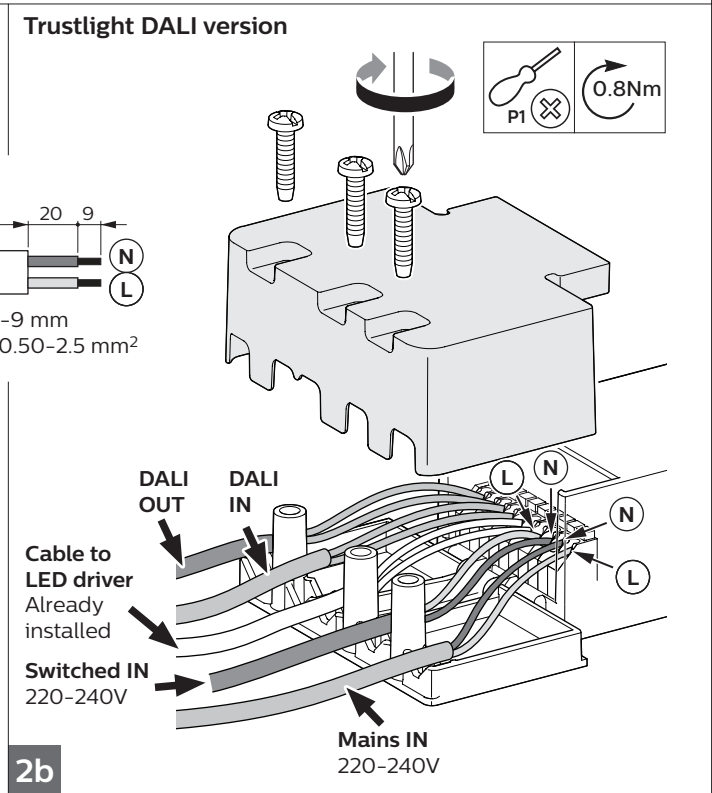




(N) Blue wire (⊥) Yellow-Green wire (L) Brown wire

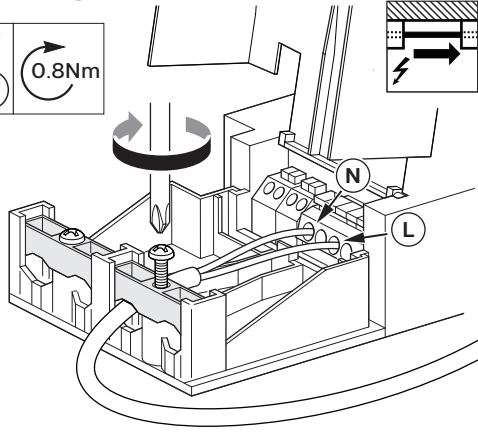
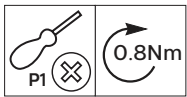


2a



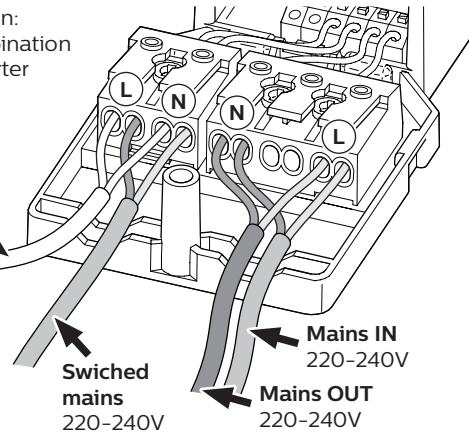
2b

Through-wiring PSE-E



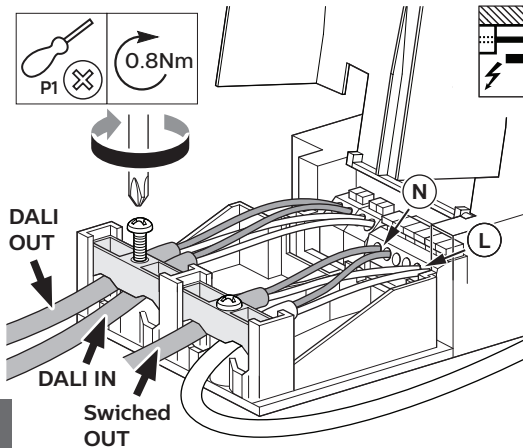
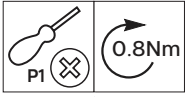
Through-wiring option:
PSE-E driver in combination
with ELB or ELP inverter

Cable to
LED driver
Already
installed



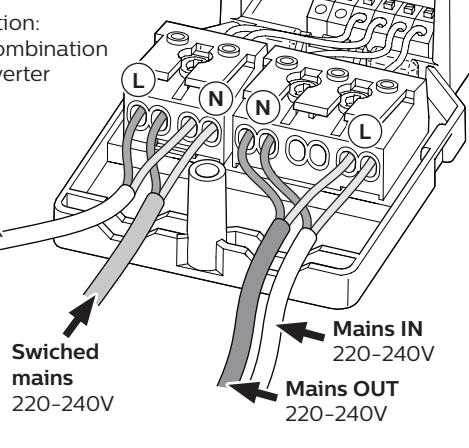
3

Through-wiring PSED-E

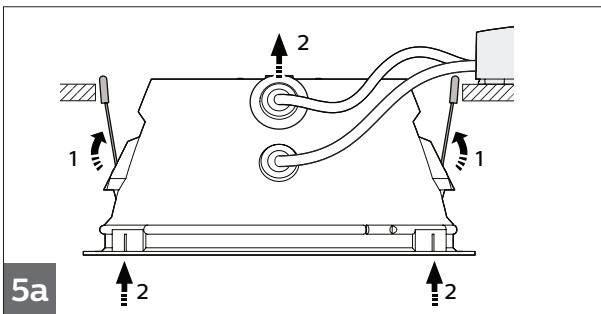


Through-wiring option:
PSED-E driver in combination
with ELB or ELP inverter

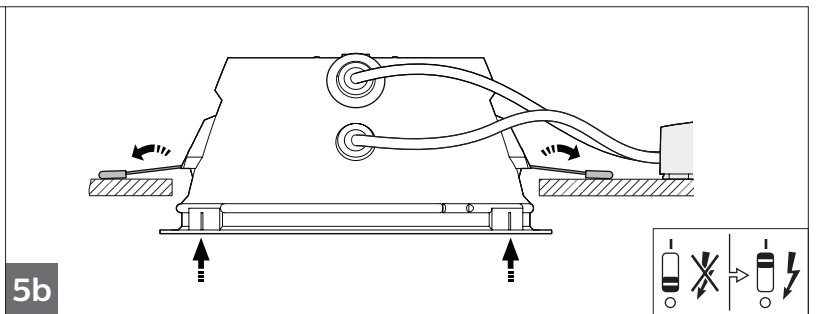
Cable to
LED driver
Already
installed



4



5a

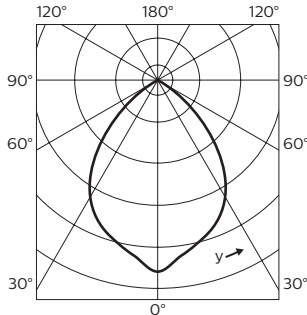


5b

Light output in emergency operation mode (UGR22) BLF:

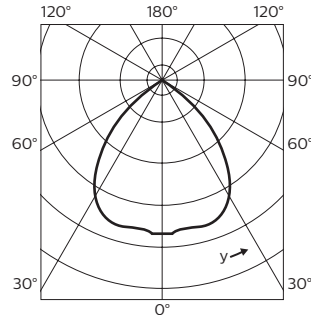
DN460B / DN462B
38%

Polar intensity diagram



DN470B / DN472B
19%

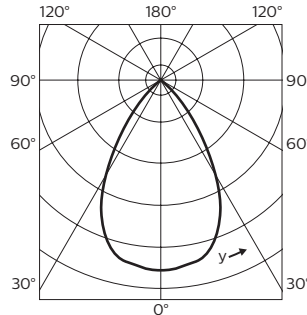
Polar intensity diagram



Light output in emergency operation mode (UGR19) BLF:

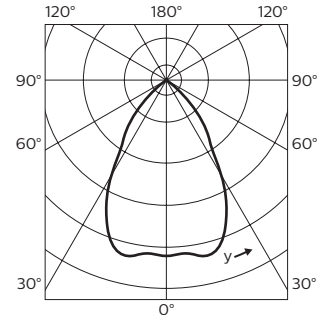
DN461B / DN463B
38%

Polar intensity diagram



DN471B / DN473B
19%

Polar intensity diagram

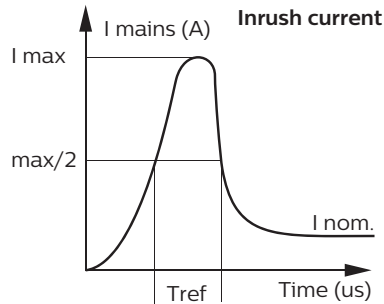
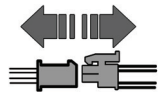
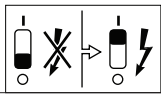


	Emergency flux (lm)		Emergency flux (lm)
DN460B	409	DN461B	390
DN470B	398	DN471B	380
DN462B IP54	393	DN463B IP54	375
DN472B IP54	383	DN473B IP54	365

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	
	20W	36W	20W	36W
Electrical characteristics				
I _{max} (A)	15.8	16	20.4	20.4
T _{ref} (μs)	224	216	195	195
MCB Luminaire max.				
B-10 A	22	22	15	15
B-16 A	36	36	24	24
C-10 A	37	37	25	25
C-16 A	61	61	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:

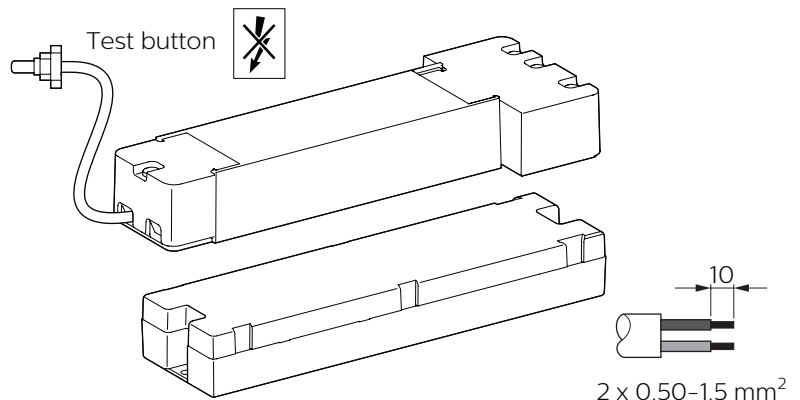
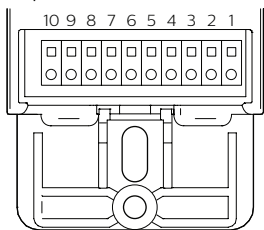
7&8 connectors

Initiate functional test as long as switch pressed:

press 0 < time < 10 s

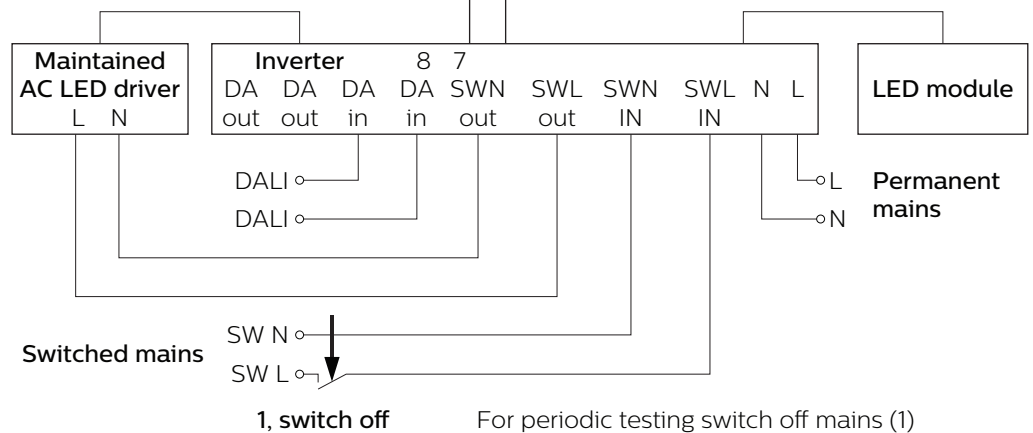
Initiate duration test:

press > 10 s



2, push test button

Test button is not supplied with the luminaire. For launch testing connect testbutton here.



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.