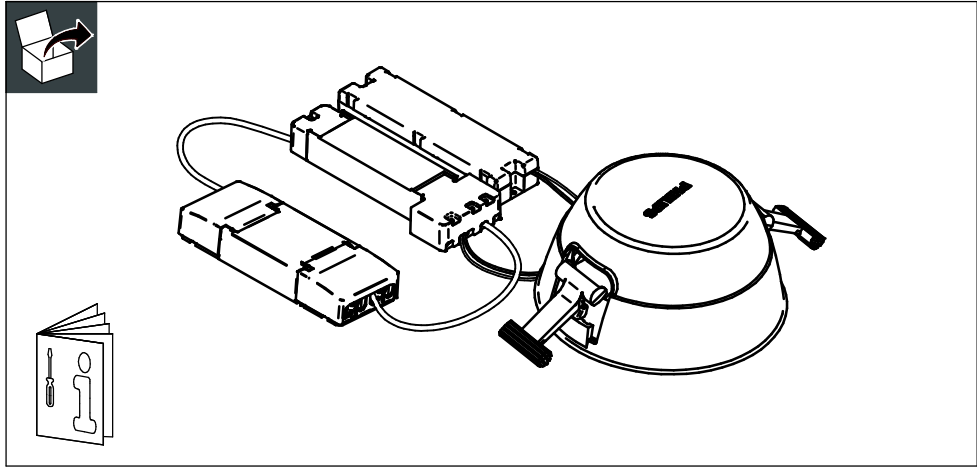


PHILIPS

GreenSpace emergency

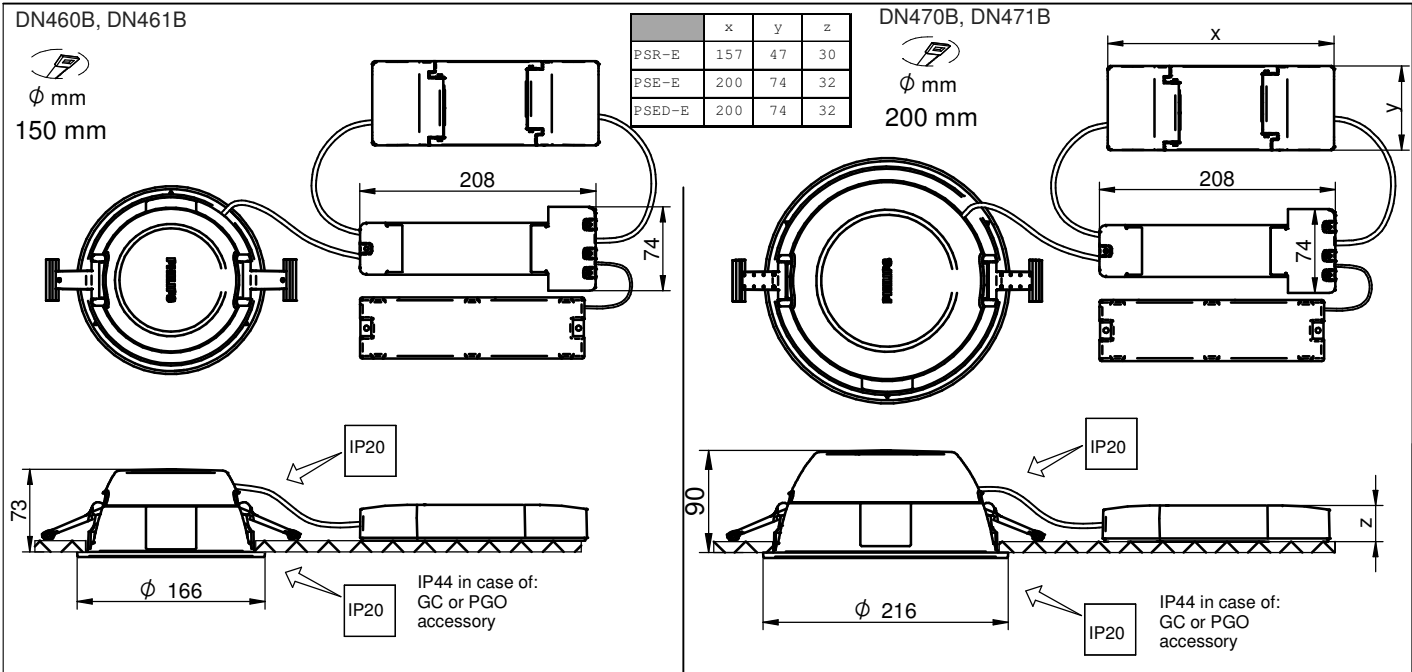
DN460B, DN461B
DN470B, DN471B



indoor	220 V 240 V	50 Hz 60 Hz	Max. 40 °C Min. 10 °C	No fire	Mounting	0,8m	IK02	GLOW WIRE 850 °C
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Model	Lumen package	Color Temperature [K]	kg
DN460B	LED11S	830/840	1,26
DN461B	LED20S	830/840	1,26
	LED11S	830/840	2,13
DN470B	LED20S	830/840	2,13
DN471B	LED30S	830/840	2,13

Product info

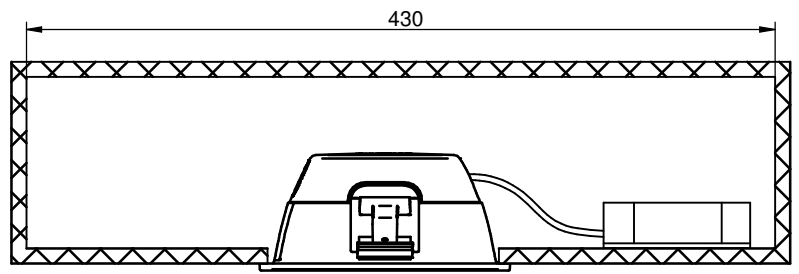
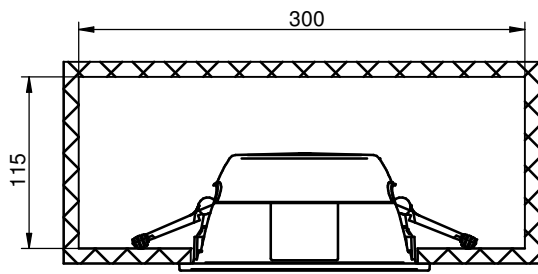


Luminaire must not cover with any thermally insulating material.

The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or similar qualified person!

Only with soft clothes!
 Do not push hard!

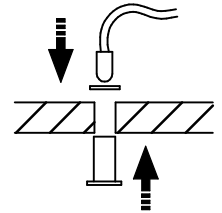
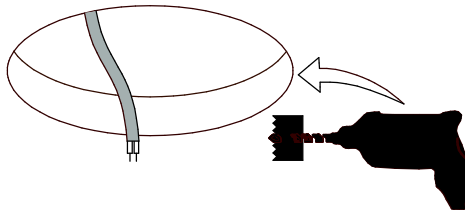
Minimal built-in dimensions



ϕ see table on 1st page $\begin{matrix} +2 \\ 0 \end{matrix}$

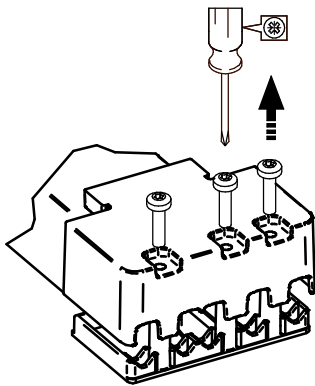


LED indicator with Opal Glass (PGO) or Mini version (DN460B/DN461B) luminaire must be mounted into the ceiling close to the luminaire



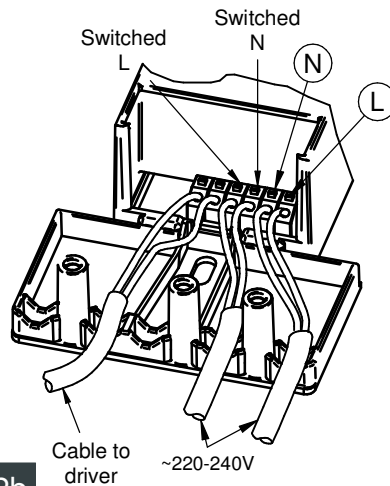
1a

1b



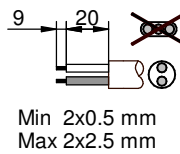
2a

Basic & PRO version

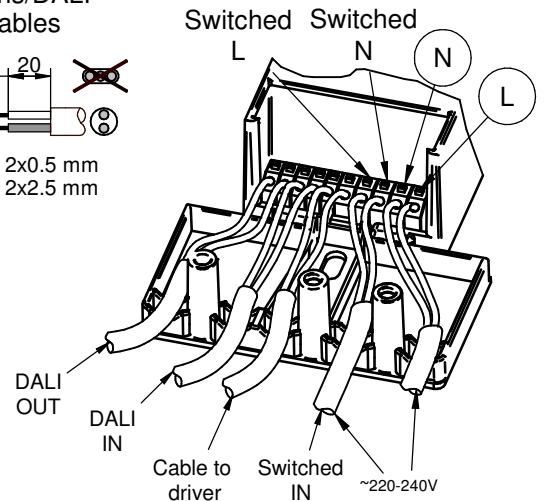


2b

Mains/DALI cables

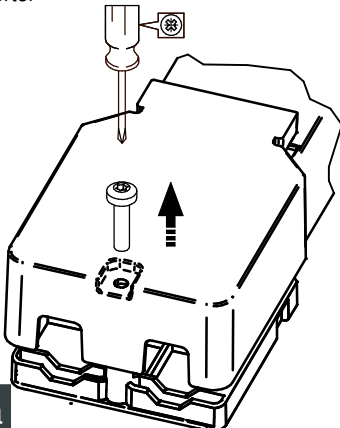


DALI version



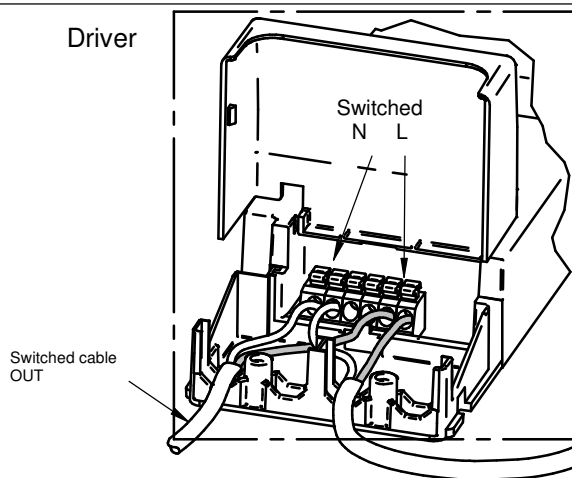
Through wiring option (PSE-E driver, ELB,ELP - CU3)

Remove cap from the emergency inverter

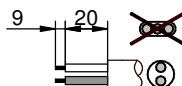


3a

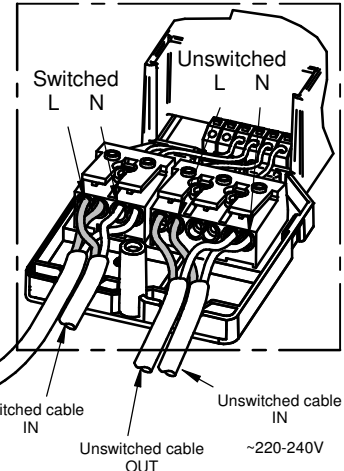
Driver



Mains cable



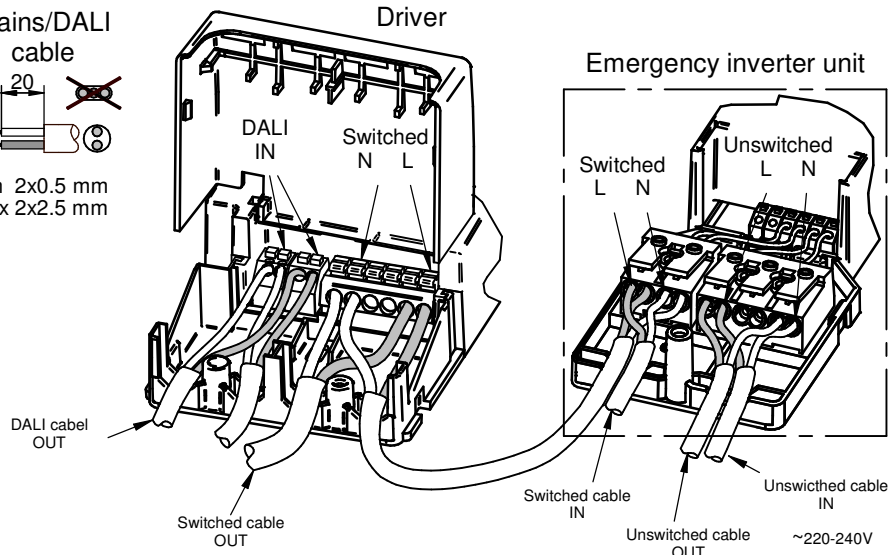
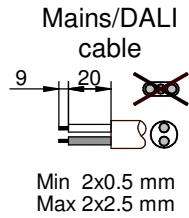
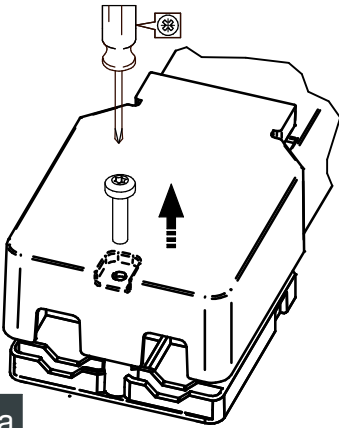
Emergency inverter unit



3b

Through wiring option
(PSED-E driver,
ELB,ELP - CU5)

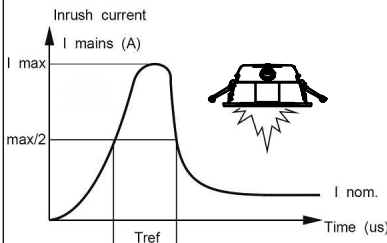
Remove cap from emergency unit



4a

4b

Xtanium 20W/m 0.15-0.5A 54V 230V (PSU-E)		Xtanium 20W WH 0.15-0.5A 54V Is (PSE-E)		Xtanium 36W/m 0.3-1.05A 54V 230V (PSU-E)		Xtanium 36W WH 0.3-1.05A 54V Is (PSE-E)	
Lum. Pack	Inom. (A)	Lum. Pack	Inom. (A)	Lum. Pack	Inom. (A)	Lum. Pack	Inom. (A)
LED11S	0,058	LED11S	0,058	LED30S	0,129	LED30S	0,129
LED20S	0,089	LED20S	0,089				
Imax. (A)	18	Imax. (A)	15,8	Imax. (A)	18	Imax. (A)	16
Tref. (ms)	0,25	Tref. (ms)	0,224	Tref. (ms)	0,25	Tref. (ms)	0,216
MCB	Max. Products (pcs)*	MCB	Max. Products (pcs)*	MCB	Max. Products (pcs)*	MCB	Max. Products (pcs)*
B-10A	21	B-10A	22	B-10A	21	B-10A	22
B-16A	34	B-16A	36	B-16A	34	B-16A	36
C-10A	35	C-10A	37	C-10A	35	C-10A	37
C-16A	57	C-16A	61	C-16A	57	C-16A	61



TCI Driver Minijolly LC 20 1-10V
TCI Driver JOLLY HV 25 1-10V
TCI Driver JOLLY US 32 1-10V
(PSE-E D7)

Lum. Pack	Inom. (A)
LED11S	0,058
LED20S	0,089
LED30S	0,129
Imax. (A)	5
Tref. (ms)	0,05
MCB	Max. Products (pcs)*
B-10A	31
B-16A	50
C-10A	52
C-16A	85

Xtanium 20W WH 0.15-0.5A 54V TD/Is CL 230V (PSED-E, PSED-VLC-E)

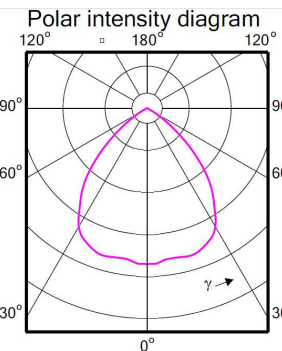
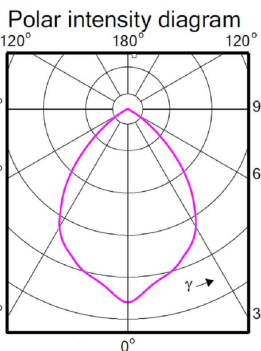
Lum. Pack	Inom. (A)
LED11S	0,058
LED20S	0,089
Imax. (A)	20,4
Tref. (ms)	0,195
MCB	Max. Products (pcs)*
B-10A	15
B-16A	24
C-10A	24
C-16A	40

Xtanium 36W WH 0.3-1A 54V TD/Is CL 230V (PSED-E, PSED-VLC-E)

Lum. Pack	Inom. (A)
LED30S	0,129
Imax. (A)	20,4
Tref. (ms)	0,195
MCB	Max. Products (pcs)*
B-10A	15
B-16A	24
C-10A	24
C-16A	40

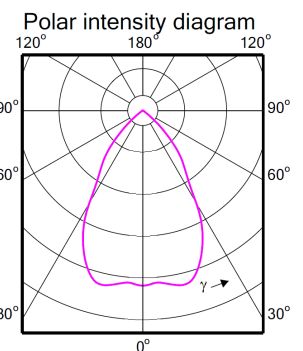
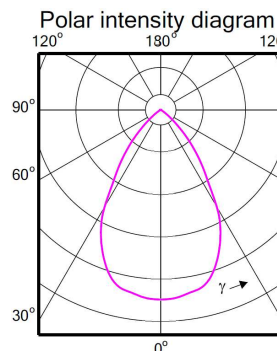
Light output in emergency operation mode (UGR22):
BLF:

34% (410 Lm - LED11S), 19% (400 Lm - LED20S)
12% (390 Lm - LED30S)



Light output in emergency operation mode (UGR19):
BLF:

34% (390Lm - LED11S) 19% (380 Lm - LED20S)
12% (370 Lm - LED30S)

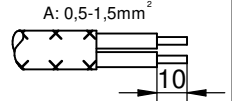
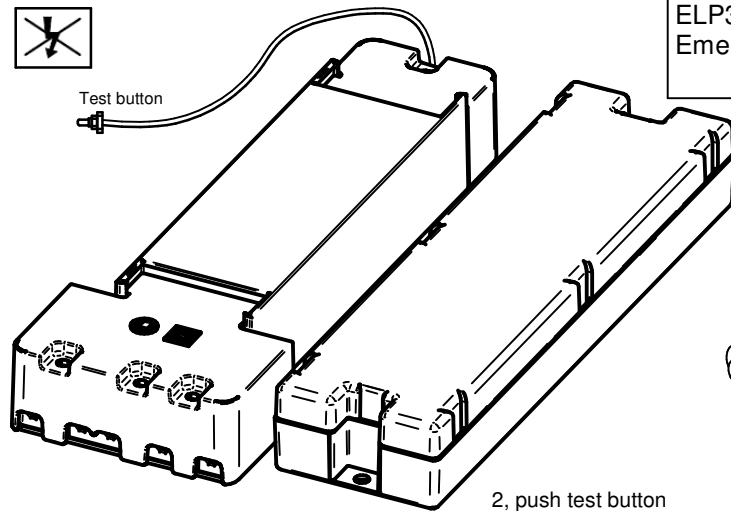


- Charging time: 16h
- Charge current: 130mA
- Battery: NiMH 2500 mAh sC-Cells
- Battery fuse: F4A 250V (fast)
- AC line fuse: T500mA 250V
- Inrush current (I_{peak}): 3,2A
- T_{peak} (half peak time): 1 msec
- Battery storage temp:
 - at 20-30°C: max 6 months
 - at 20-40°C: max 1 months



Test button

ELP3/ELDB3
Emergency lighting



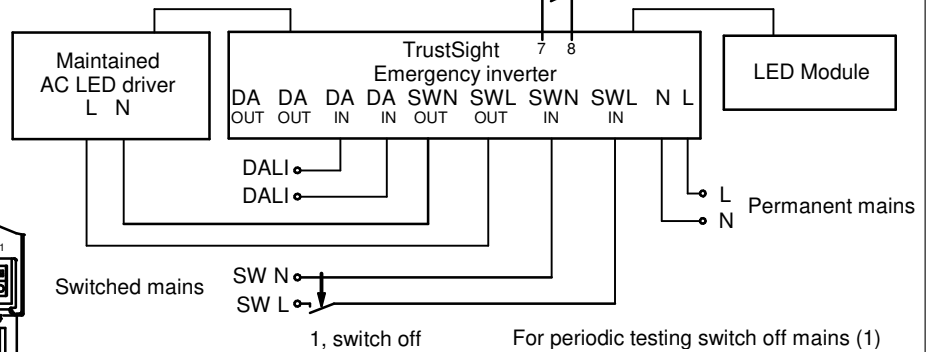
Luminaire classification:

X|1|A---E|180

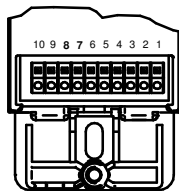
- X: Self-contained
- 1: maintained
- A: Including test device
- E: Non replaceable lamp/battery
- 180: duration of emergency mode [min]

2, push test button

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



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.

Periodic tests should be performed according to EN 50172:2004, clause 7.2.3 and 7.2.4. - Testing monthly and annually

- Each month the EL kit is running in emergency mode for 30 seconds (switch off the luminaire and push the test button).

Light source must work

- Once a year similar test must perform but with whole duration of the autonomy (3hours)

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 3hrs emergency time. 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.