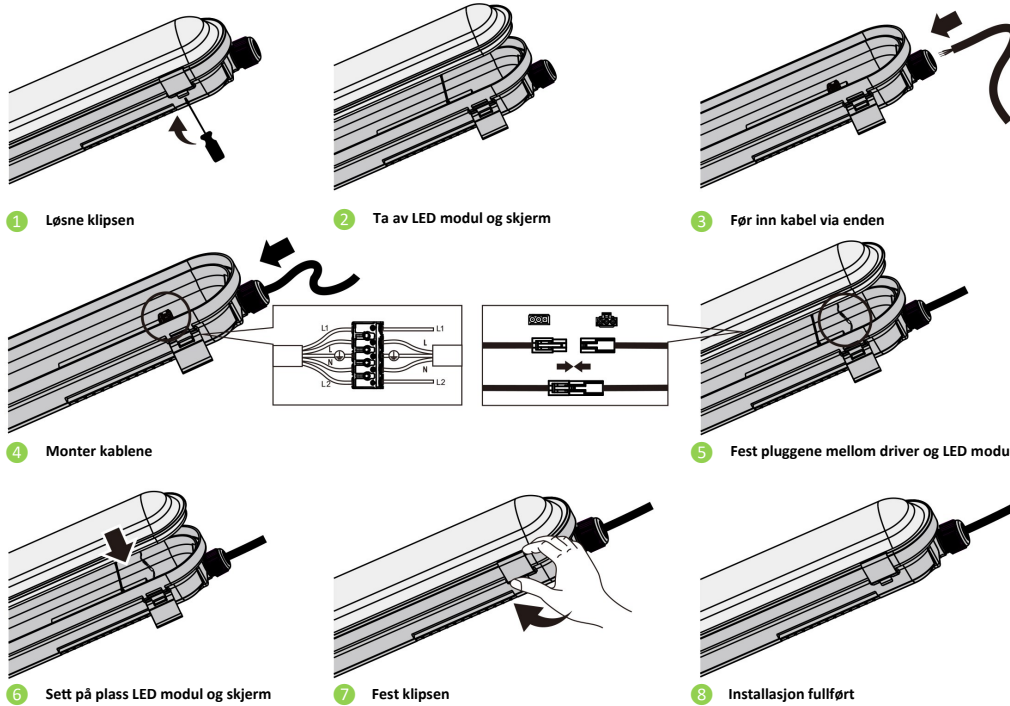


WORK HE/PS 152

EMERGENCY (NON-DIMMABLE)

Artikkelref.: 511525055

31W/39W/47W/55W LUMILEDS LED, 4000K - 8.941lm (MAX), CRI≥80



1 Løsne klipsen

2 Ta av LED modul og skjerm

3 Før inn kabel via enden

4 Monter kablene

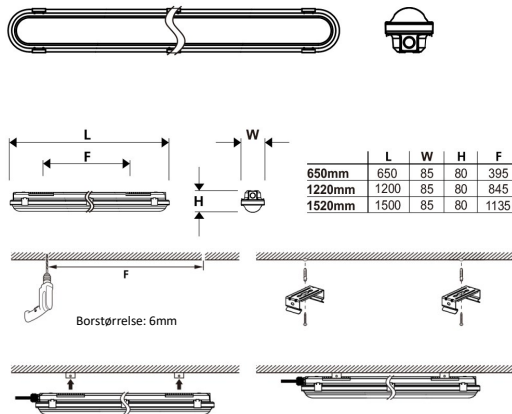
5 Fest pluggene mellom driver og LED modul

6 Sett på plass LED modul og skjerm

7 Fest klipsen

8 Installasjon fullført

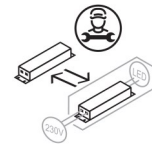
MONTERINGSVEILEDNING



SIKKER BRUK

Enkelte typer montasjer kan du utføre selv. Trosser dette anbefaler vi at montasjen blir utført av en registrert installasjonsvirksomhet. På denne måten sikres lengst levetid & sikker bruk av produktet.

- Produktet er produsert i henhold til gjeldende Europeiske standarder.
- Beskyttelsesklasse I, skal kobles til jordledning
- Armatur beregnet for utendørs & innendørs bruk.
- Beskyttet mot gjennomtrenging av støv
Beskyttet mot vannsprut



D A T G Lyskilden i denne armaturen er ikke utskiftbar og må i sin helhet erstattes ved endt levetid. Dette produktet inneholder en lyskilde av energiklasse D.



Kildesortering. Dette produktet må ikke kastes i det vanlige husholdningsavfallet. Hvis du finner ut at ditt NorDesign-produkt må skiftes ut, eller hvis du ikke lenger har bruk for det, må du unnlate å kaste det sammen med det vanlige husholdningsavfallet. Sørg for at dette produktet gjøres tilgjengelig for kildesortering.



Kildesortering av brukte produkter og emballasje gjør det mulig å resirkulere materialer og bruke dem igjen. Gjenbruk av resirkulerte materialer bidrar til å forhindre forurensning av miljøet og reduserer behovet for råvarer. Lokale regelverk kan legge til rette for kildesortering av elektriske produkter fra husholdningen, ved kommunale depoter eller gjennom forhandleren når du kjøper nytt produkt.

NOR DESIGN

www.nordesign.no

SIKKERHET (NORSK)

- For din egen sikkerhet anbefaler produsenten korrekt installasjon og bruk av denne armaturen. Følg vedlagte instruksjoner for sikker installasjon og bruk.
- Koble alltid fra strømmen før vedlikehold eller reparasjoner.
- Kontakt alltid en elektriker eller forhandleren for forespørsler. Installasjon skal alltid foregå i henhold til gjeldende regulativer.
- Pass på at alle (elektriske) enheter er skrudd korrekt & fast sammen. Dette gjelder for både 230V og 12V koblinger.
- Skal produktet fastmonteres, pass på at riktige ledninger kobles sammen: blå eller sort (nøytral), brun, rød eller hvit (leder) og ved jordtilkobling grønn/gul.
- Pass på at ingen ledninger skades ved fastmontering.
- Rengjør lampen med en ren, tørr klut. Bruk ikke sterke vaskemidler.
- Strømførende komponenter skal ikke i kontakt med væske.
- Dersom ledninger eller ledningsførende enheter er skadet, må reparasjon kun foretas av produsent, godkjent servicepersonell eller elektriker. Dette for å unngå brann, elektrisk støt eller annen personskade.
- Følg spesifikasjoner og instruksjoner nøye. Sjekk symbolmerkingen på lampen og i monteringsanvisningen.



Er du i tvil kan du søke mer informasjon her: www.dsb.no

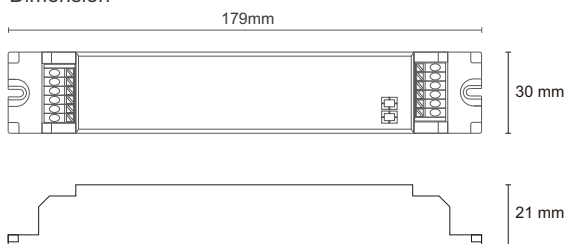
SAFETY INSTRUCTIONS (ENGLISH)

- For your own safety the manufacturer advises a correct use of this lighting fixture! Follow and save these instructions for correct and safe installation of the fixture
- Always isolate the power before commencing installation, maintenance or repair.
- If in doubt, consult a qualified electrician or contact your retail outlet. Ensure that you always install the fitting according to the local regulations.
- Always tighten the (electrical) mounting parts tightly. This goes for 230V and 12V connections.
- If you connect the wires, always pay attention to the color of the wires: blue or black (neutral), brown, red or white (live) and in case of protection class I, yellow/green (earth).
- Pay attention that you don't damage the wires when mounting the fixture!
- Clean fixtures with a dry cloth, never use abrasives or solvents.
- Avoid electrical parts getting in touch with liquids.
- If the external flexible cable or chord of the luminaire is damaged, it should be exclusively replaced by the manufacturer or his service agent or similar qualified person in order to avoid hazard.
- Always consider all the technical specifications of the fixture. Verify the stated icons on the label of the fixture and the icons that are shown in the mounting instructions.

LED Emergency conversion module with self-test YH18 Series

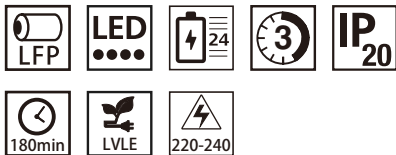


Dimension



Relevant standard

IEC 61347-1
IEC 61347-2-7
EN 62034
EN 55015
EN 61547
EN 61000-3-2
EN 61000-3-3
EN 62493
AS/NZS 60598-2-22
AS2293.3



Product description

- Self-test function.
- LED emergency converter that can transfer standard LED fitting into emergency LED fitting.
- Used with Lithium iron phosphate battery.
- Suits for LED fitting with external led driver.
- Accessory: test switch and charge indicator.

Applications

- Use in damp and dry environment.
- For use on a wide range of LED fittings to convert them from standard to emergency fitting.
- LED fitting would be maintained emergency fitting if standard (main powered) driver, emergency lighting kit and battery are all retained in the circuit. LED fitting would be non-maintained emergency fitting if only emergency conversion module and battery are retained in the circuit.
- Additional Relay that can control standard LED driver.
- Deep discharge protection.
- Connector between emergency kit and battery has the function of polarity reversal protection.
- Ambient range to 0...50°C
- IP20 protection, relies on end-product enclosure for protection against accidental contact live parts.
- Not intended for use in luminaries for high-risk task area lighting.
- Full warranty 3 years.

Ordering data

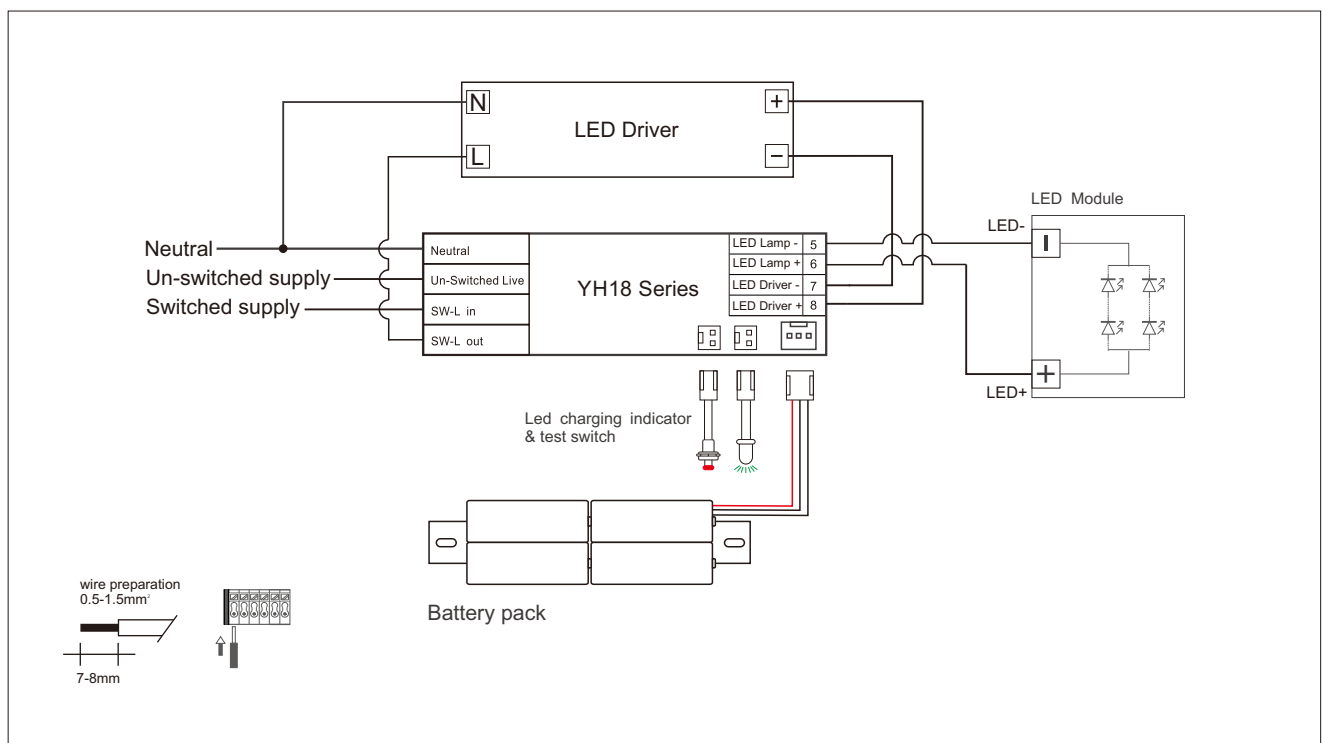
| Type | Mode *Constant power | Battery | Duration | Qty /Carton |
|----------------|-------------------------|-------------------|----------|----------------|
| YH18-2031050Li | DC 10-50V 2W | LiFePO4 6.4V1.5AH | 3 Hours | 25pcs |
| YH18-203H200Li | DC 50-200V 2W | LiFePO4 6.4V1.5AH | 3 Hours | 25pcs |
| YH18-3031050Li | DC 10-50V 3W | LiFePO4 6.4V2.2AH | 3 Hours | 25pcs |
| YH18-303H200Li | DC 50-200V 3W | LiFePO4 6.4V2.2AH | 3 Hours | 25pcs |
| YH18-4031050Li | DC 10-50V 4W | LiFePO4 6.4V3.0AH | 3 Hours | 25pcs |
| YH18-403H200Li | DC 50-200V 4W | LiFePO4 6.4V3.0AH | 3 Hours | 25pcs |

LED Emergency conversion module with self-test YH18 Series

Technical data

- Input rated voltage: 220-240V AC, 50-60Hz
- AC input current: 35mA
- AC Input power rated 3.5 W max
- Power factor: >0.5
- Charge time : 16 hours
- Charge mode: trickle re-charging on battery.
- Output emergency power 2-4 wattage DC10...50V (3-15 LEDs) DC50...200V(15-60 LEDs) constant power output.
- Output voltage DC10...50V, DC55V max(SELV) DC50...200V,DC250V max.
- Battery capacity (LiFePO4) 1500mAh, 2200mAh, 3000mAh
- Battery Charging Current: 0-250mA
- 3 hours rated duration
- Max. casing temperature t_c 80°C
- Lumen Factor: 120lm/Wattage
- Reinforced insulation between main supply and the battery circuit.
- This unit can recharge the battery normally after reconnecting of battery.

Wiring diagram(Maintained)



Self-test function

Initial Test

Connect led load, emergency module, battery and led driver, then connect mains supply, this emergency conversion module will automatically start to do a initial test, to check led load, battery, led driver and emergency module itself working well or not. If not, led indicator would be red flash. If everything goes well, it then goes into charge mode.

Functional Test

Functional tests are carried out for 10 seconds automatically every 30 calendar days.

Duration test

Emergency conversion module will automatically make a full duration test every 180 calendar days to check capacity of battery.

Note

If mains supply is off during self-test period, emergency conversion module would terminate self-test immediately and go into emergency mode.






Timer reset functionality

The timer for function and duration test can be set to a particular time of the day by cycling the un-switched line supply 3 times within 1 minute.

Rest mode

Rest mode can be initiated during emergency mode by pressing test switch longer than 3 seconds.

LED indicator

-  Green fast flash(0.1 second on, 1 second off), charging mode
-  Green slow flash(0.1 second on, 6 second off), self test underway, including function test and duration test
-  Green stable: battery fully charged
-  Red flash, failure(including load failure, charging failure, battery failure)
-  Green and red off, DC mode (battery operation, emergency mode)

LED Emergency conversion module with self-test Lithium iron phosphate batteries

Product Description

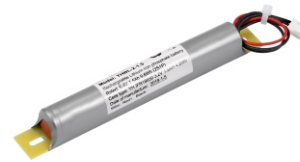
- High-temperature Lithium iron phosphate batteries
- Cells Lithium iron phosphate Battery pack
- Low self discharge
- Relevant standard: IEC62133,IEC62620

Technical data

- Battery voltage/cell: 3.2V
- Capacity one cell: 1.1Ah,1.5Ah
- Single cell dimensions
- Max. number discharge cycles: 500 cycles total
- Max. short term temperature (reduced life-time) 55°C
- Packing quantity: 2pcs(2s1p) 6.4v 1.5Ah, 4pcs(2s2p) 6.4v2.2Ah, 6.4v 3.0Ah

Battery wire

- Two wires: 1 red and 2 black
- Length: 150mm
- Wire type: 0.5mm



LED Emergency conversion module with self-test Test switch and Led indicator

Product description

- For connection to the emergency lighting unit
- The test switch for checking the device function
- The LED indicates that charging current is flowing into the battery
- Plug connection

LED indicator

- Two-colour status display LED
- Mounting hole 6.5mm dia
- Wire insulation rating: 85°C

Test switch

- Mounting hole 7mm dia
- Wire insulation rating: 85°C

