

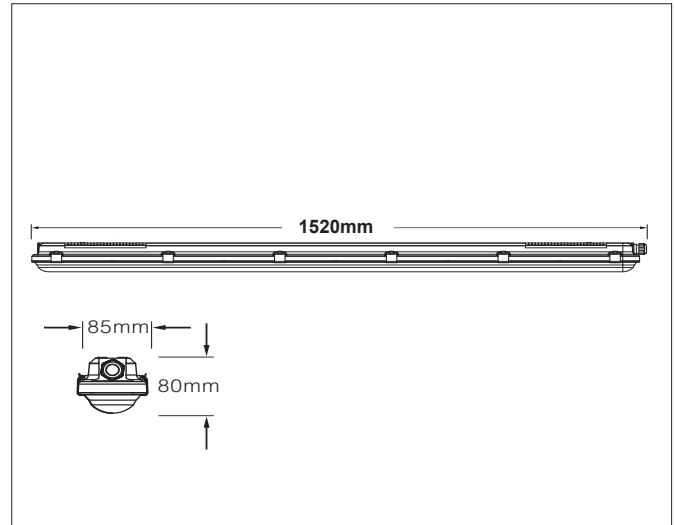
Work HE/PS 55W 152

Work HE/PS 55W 152, light grey/frosted - Emergency

NOR DESIGN

NorDesign AS
www.nordesign.no / tlf: 73 84 95 50

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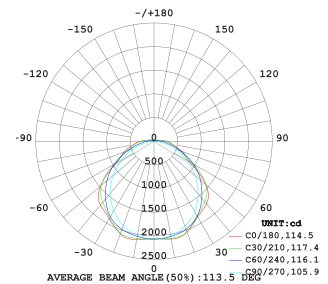


Work HE / PS er en slank utenpåliggende armaturserie med justerbar Wattstyrke. Armaturene er meget lyssterke og energieffektive, og passer perfekt i garasjeanlegg. Den har en buet overflate, hvor skjermen gir et bredt lysbilde. Meget montasjevennlig, hvor det er mulighet for både åpen og lukket tilkobling. Gjennomgangstilkobling med push terminal i begge ender gir rask installasjon.

Power Switch



31W	5007lm	(161lm/W)
39W	6348lm	(163lm/W)
48W	7779lm	(162lm/W)
55W	8941lm	(162lm/W)



PRODUKT

Total lumen (lm)	8941lm
Total forbruk (W)	55W
Total effekt (lm / W)	162lm/W
Materiale produkt	Polykarbonat
Materiale avdekning	Polykarbonat
Farge produkt	Grå (RAL7035)
Farge avdekning	Hvit
Type avdekning	Cover
IP - grad	66
IK - grad	08
Beskyttelsesklasse	I
Strålevinkel (grader)	120°
Lysstråling	Direkte
Driftstemperatur	-20°C - +50°C
MacAdam step / SDCM	3

EL-DATA

Min. spenning inn (V)	220V
Maks. spenning inn (V)	240V
Min. frekvens (Hz)	50Hz
Maks. frekvens (Hz)	60Hz
Type spenning (AC / DC)	AC
Power Factor	>0,97
Sikring: maks. på 16A B	36
Driver merke	Philips Xitanium 65W
Driver levetid	100.000T
Dimbar	Ikke dimbar
Flimmerfri	Ja
	✓ SVM ($\leq 0,4$)
	✓ Pst LM ($\leq 1,0$)

Emergency batteri LiFePO4 - 4W 3 timer

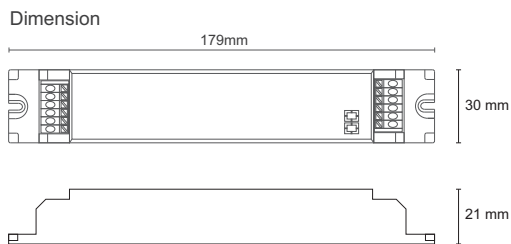
LYSKILDE

Lyskilde antall (stk.)	1
Lyskilde navn/ modell	Lumileds SMD 2835
Lysfarge (Kelvin)	4000K
CRI / RA	80
Levetid 50.000T	L90B10
Levetid 100.000T	L80B10
Energiklasse	D

TILKOBLING / MONTASJE

Tilkoblingstype	5 Pin connector (push terminal)
Åpen / lukket tilkobling	Åpen og lukket
Gjennomgangstilkobling	Ja (5 Pin connector i begge ender)
Anbefalt bruksområde	Innendørs
Tilbehør (inkl.)	2 x monteringsbrakett 2 x tilkoblingsnipel

LED Emergency conversion module with self-test
YH18 Series



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

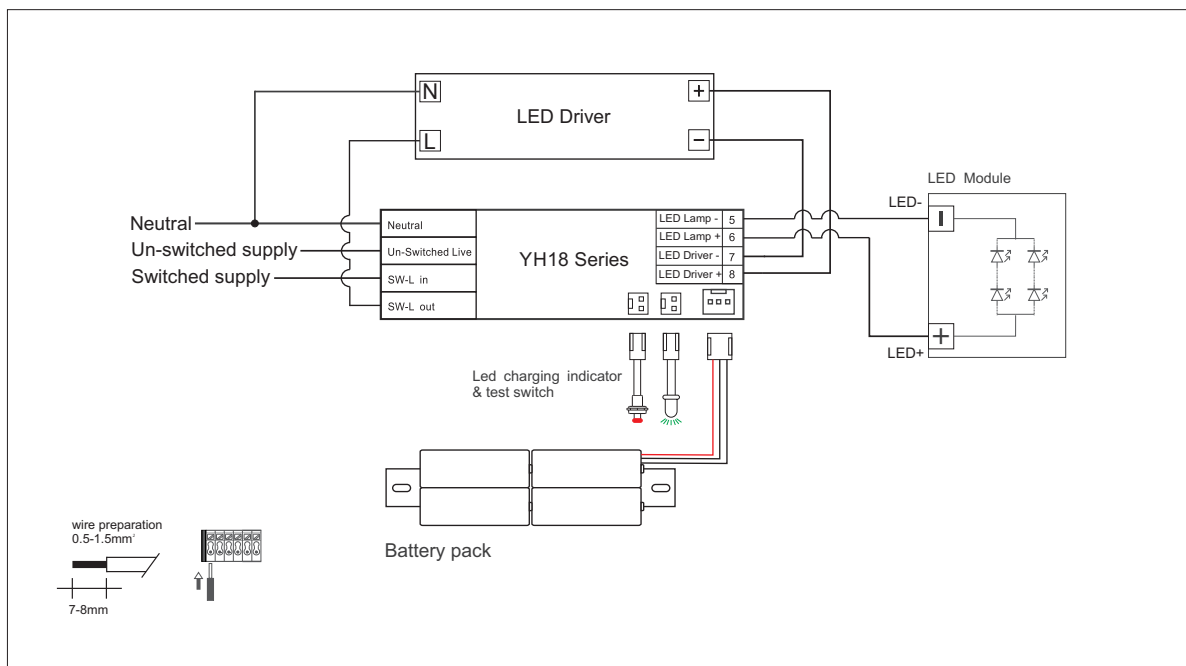
- Use in damp and dry environment.
- For use on a wide range of LED fittings to convert them from standard to emergency fitting.
- LED fitting would be maintained emergency fitting if standard (main powered) driver, emergency lighting kit and battery are all retained in the circuit. LED fitting would 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 t_a 0...50°C
- IP20 protection, relies on end-product enclosure for protection against accidental contact live parts.
- Not intended for use in luminaires for high-risk task area lighting.

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

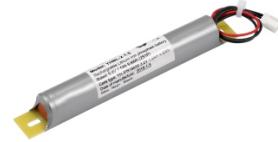
- High-temperature Lithium iron phosphate batteries
- Cells Lithium iron phosphate Battery pack
- Low self discharge
- Relevant standard: IEC62133,IEC62620

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

