

# Installation & Wiring Instructions

## LED 4 STR - Bulkhead

### For use with Reacta-Link Wireless System

**PLEASE READ** THESE INSTRUCTIONS BEFORE COMMENCING INSTALLATION & LEAVE WITH END USER

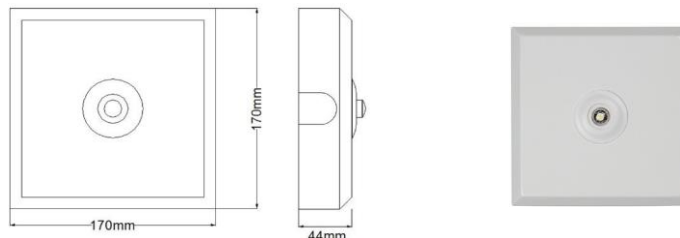
## Description:

The LED 4 STR is a standalone self-test 3 hour non-maintained emergency luminaire suitable for surface mounting. The LED is driven at 700mA from a 9.6V 1.5Ah lithium iron phosphate (LiFePO<sub>4</sub>) battery that provides a high output to the LED emitter in emergency conditions.

The kit is supplied with one of a choice of LED emitters which offer varying outputs and arcs of illuminance. Please contact the Dextra sales office for ldt files.

The product will commission and test itself in accordance with the requirements of the British Standards, reporting any faults via a bi-colour charge LED.

This unit will recharge the batteries after the test clause of 22.3 of BS EN 61347-2-7:2012.



## Specification:

Input Voltage	230-240 Volts AC 50/60 Hz
Input Current & PF	16mA - λ = 0.48
Duration	3 hours
Ambient Temp.	0°C to + 25°C
Max Battery Temperature	55°C
Mains Input Terminal	0.75mm - 2.5mm
Recharge Period	24 Hours
Battery Discharge Current	400mA ± 50mA
Discharge Voltage Limit (DDP)	8.0V
Ingress Protection	IP20
Battery Pack	9.6V 1.5Ah LiFePO <sub>4</sub>
Charge Current	0-150mA Float
Width and Height	170mm x 170mm
Depth	44mm
Rear Cable Entry	20mm Centre
Conduit Cable Entry	20mm Side Knock Outs
Overall Weight	1.1Kg
Beam Angle (OA)	110°
Beam Angle (CO)	50° x 125°

## Product codes

<b>Open Area:</b>	
LED 4 STROA W	207 lumen - RAL 9016
LED 4 STROA B	207 lumen - RAL 9005
<b>Corridor:</b>	
LED 4 STR CO W	197 lumen - RAL 9016
LED 4 STR CO B	197 lumen - RAL 9005

## Important

It is recommended that this product is installed by a competent person ensuring the installation complies with the necessary standards. Dextra Group accept no responsibility for injury, damage or loss, which may arise as a result of incorrect installation, operation or maintenance.

The product requires an un-switched supply for charging the battery and a switched supply for intermittent maintained operation.

**ISOLATE MAINS SUPPLIES AND DISCONNECT THE BATTERY BEFORE INSTALLATION OR MAINTENANCE.**

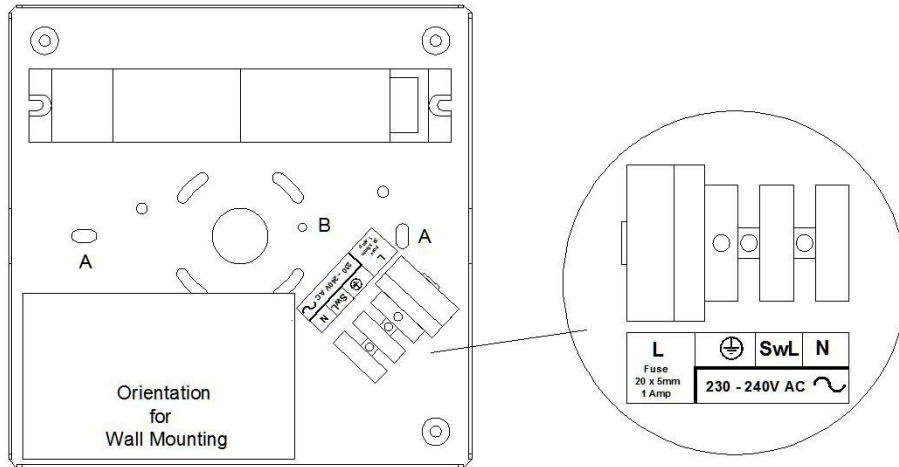
### Installation:

1. Unclip the cover and mount the luminaire to either the ceiling or wall, using fixing points A. For wall mounting ensure the battery is at the bottom of the luminaire.
2. Connect the mains supply as per wiring diagram shown on Pg. 2
3. Fit the mains cable retainer using fixing point B.
4. Connect the battery.
5. Refit the cover ensuring no cables are trapped.
6. Fit the security screw in the lid as shown above.
7. When mounting the LED 4 STR CO, please ensure that the lens is aligned along the corridor correctly. The longer part of the lens should follow the orientation of the corridor.

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Typical Wiring  
 Diagram



Testing/Commissioning:

- Ensure the power is connected.
- Connect the battery.
- Switch on the Un-switched Supply - Check the Charge LED illuminates.
- Switch off the Un-switched Supply - Check the Charge LED extinguishes and the load LED illuminates.
- Enter the commissioning date on the Battery Pack.
- Switch on the Un-Switched Supply
- Ensure that the RF Node is commissioned onto the system by a Reacta-Link qualified engineer.

Luminaire Ref/Location			In case of difficulty, contact the Installation Engineers:-							
			Tel: .....							
Full Recharge Time 24 Hours			Duration 3 Hours			Lamp Type - LED				
ROUTINE TEST RECORD										
	Year 1		Year 2		Year 3		Year 4		Year 5	
Monthly Test	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Three Hour										