



## PRODUCT SPECIFICATION

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LED4S WIRELESS



## INTRODUCTION

The LED 4S Wireless is surface mount standalone non maintained emergency luminaire with both open area and escape route options and available in both black and white variants. The LED3s is available in two versions, either Reacta-Link wireless compatible or Reacta-Control wireless compatible, allowing emergency testing to be automated and test results to be centrally reported wirelessly substantially reducing the labour costs associated with emergency testing and offering a rapid return on investment.

CE

IP20

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## LED4S WIRELESS - APPLICATION

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- › Commercial / Offices
- › Corridor
- › Education
- › Food / Clean Area
- › Healthcare / Social Housing
- › Hotel / Leisure
- › Industrial / Manufacturing
- › Retail
- › Stairwell
- › Transport
- › Warehouse / Storage

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## LED4S WIRELESS - SPECIFICATION

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### CONSTRUCTION

- › Housing: 0.7mm CR4 steel
- › Housing: Injection moulded polycarbonate
- › Finish: Matt black
- › Finish: Matt white
- › Lens: Injection moulded PMMA lens
- › IP20

### ENVIRONMENTAL

- › Every luminaire is labelled with a unique ID number allowing easy identification of spare parts for the lifetime of the product.
- › Contains no single use plastics or polystyrene packaging.
- › UK based manufacturing providing local support throughout the product lifetime and minimising transportation miles.

### EMERGENCY

- › Optional Reacta-Link wireless emergency for automated centralised reporting.
- › Optional Reacta-Control wireless emergency for automated centralised reporting.

### INSTALLATION

- › Suitable for conduit installation
- › Suitable for surface installation

## VARIATIONS

- Available in white or black finishes
- Supplied with three lens variants, open area, escape route and spot

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## LED4S WIRELESS - IMAGES

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### PRODUCT IMAGES



LED4S Wireless



LED4S NM3 LA3RC CON



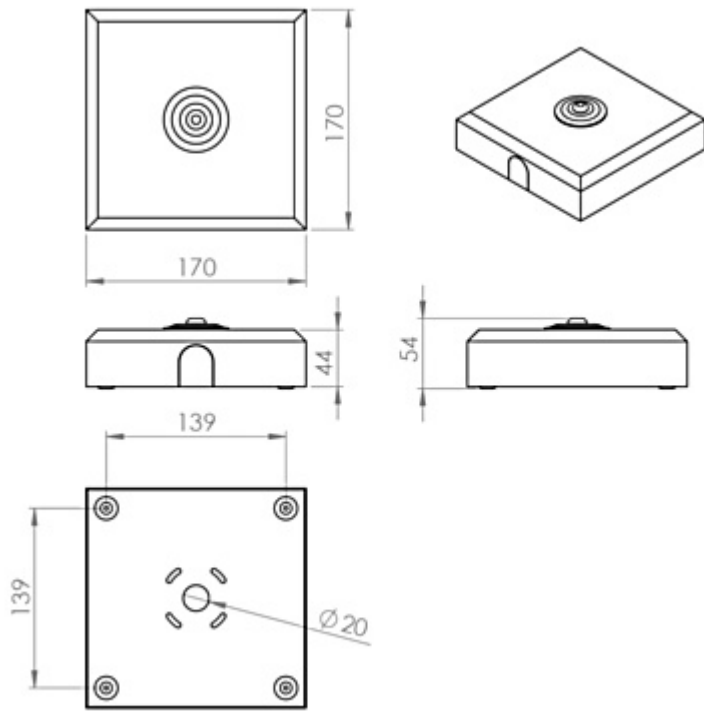
LED4S NM3 LA3RC CON Black

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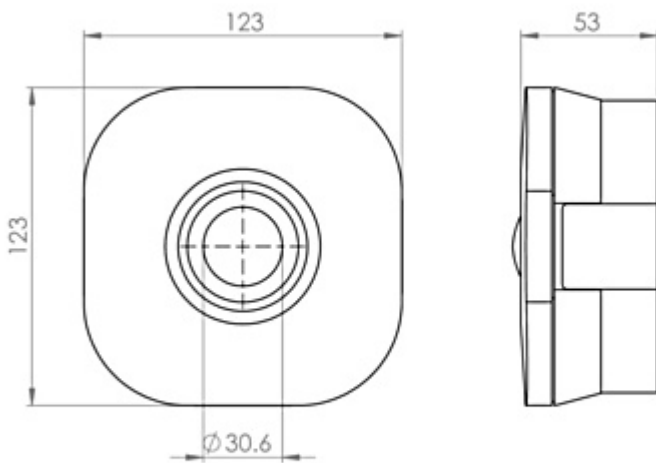
## LED4S WIRELESS - TECHNICAL

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LED4S Wireless



LED4S NM3 LA3RC CON

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## LED4S WIRELESS - WARRANTY

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At Dextra our commitment to service has been at the forefront throughout our history spanning more than forty years in the UK lighting market. Our service ethos extends beyond design and delivery, we believe supporting your installation throughout the warranty period is equally crucial, whilst the strength and longevity of Dextra Group provides peace of mind that our warranty will be supported throughout.

The Dextra range is supplied with a five year warranty commencing from the date of delivery. During the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years drivers, emergency modules, wireless modules, sensors and LED circuits will be supplied free of charge to replace defective components, labour and other associated costs are not included.

Certain ranges and components are subject to exemptions:

- Lithium batteries are provided with a five year warranty. During the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years replacement batteries will be supplied free of charge to replace defective components. Five year warranty became effective as of 03/02/25, Lithium emergency luminaires supplied prior to this date are supported with a three year on site warranty only. Labour and other associated costs are not included. Nickel Metal Hydride and Nickel Cadmium batteries are provided with a one year warranty for parts and labour.
- Emergency luminaires including AME LED, EXI LED, EXI2 LED, EXI Track, HBE LED, HBE2 LED, OAT2 LED, OEZ LED and Twinspot with Nickel Metal Hydride batteries are supplied with a one year warranty for parts and labour. Lithium variants of these ranges are supplied with a three year warranty for parts and labour with the exception of the AME2, EXI3, HBE3 and TWS IP65 L7 ranges which are supplied with a one year parts and labour warranty. TWS IP65 L7 in autotest and wireless variants are supplied with the standard three year lithium battery warranty.
- Protec Micro, PTECF7 Fire Rated Downlights, Serenus and the Opus Sconce are provided with a five year replacement luminaire only warranty. Protec FR Fire Rated Downlights are provided with a 2 year replacement luminaire only warranty.
- Controls systems such as standalone sensors, switches, marshalling boxes and cabling are provided with a one year warranty for both parts and labour. DALI control systems are provided with a two year warranty for both parts and labour.
- LEDextra ranges are supplied with a three year parts or replacement luminaire only warranty with the exception of the IMPR RGBW, the Runway RBGW, the MOD RGBW, Tanek RGBW and the DexRing. These five ranges are supplied with our standard five year warranty during which defects within the first three years will be repaired on site and the warranty includes both parts and labour. For the final two years free of charge replacement components only will be supplied to rectify any failures but labour and other associated costs are not included.
- LEDEX ranges are supplied with a three year replacement luminaire only warranty.

- The Decorative Pendant ranges, Bebo, Dene, Nova, Fino and Stix are supplied with a 3 year replacement luminaire only warranty.

All warranties are subject to correct use of the product and will be invalidated by misuse, for example incorrect installation, unsuitable environmental conditions or incorrect maintenance. It is the duty of the customer to ensure that all the fault lies with the luminaire prior to requesting replacement parts or site repairs. In the event that no defect is found with the product our costs for attending site will be recharged to the customer and credit will not be issued against returned products. No consequential losses incurred resulting from any defect with our product will be reimbursed.

Given the nature of LED technology a small percentage of LEDs may fail during the lifetime of a luminaire, this does not cause a reduction in lumen output. As such LED luminaires are only deemed to be faulty for warranty purposes when in excess of ten percent of LEDs have failed in a single luminaire.

On site repair of products under warranty will be undertaken during normal working hours, 9am to 5pm Monday to Friday, and will require unrestricted access to luminaires. Where required Dextra will provide access equipment to carry out repairs at height, should luminaires have been installed in locations where reasonable provision for maintenance access has not been made we reserve the right to supply replacement product only. On site warranty repairs will only be undertaken on the mainland of the UK and Ireland, in all other locations replacement product only will be provided.

**If you require any assistance with regards to our products please contact our Customer Services department on 01747 858100.**

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## LED4S WIRELESS - ORDER CODES

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### LUMINAIRE

Code	Description	Power
LED4S NM3 LA3RC CON	LED4S Surface, 338lm, Reacta-Control, White	4.0W
LED4S NM3 LA3RC CON BL	LED4S Surface, 338lm, Reacta-Control, Black	4.0W
LED4O STR	LED4 Open Area, Maintained (Non-Maintained Compatible), Reacta Link Wireless Emergency	
LED4E STR	LED4 Escape Route, Maintained (Non-Maintained Compatible), Reacta Link Wireless Emergency	

Lumen outputs for LA3RC variants based on Open Area lens

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### MISCELLANEOUS

Code	Description
LSF	Low Smoke Zero Halogen

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# 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

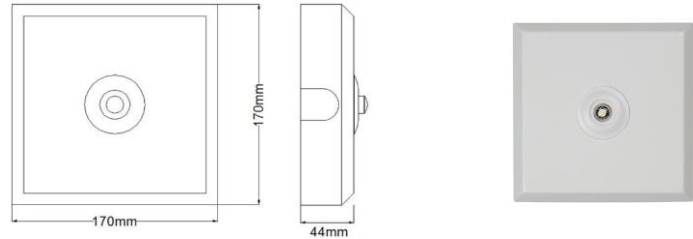
## Description:

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:

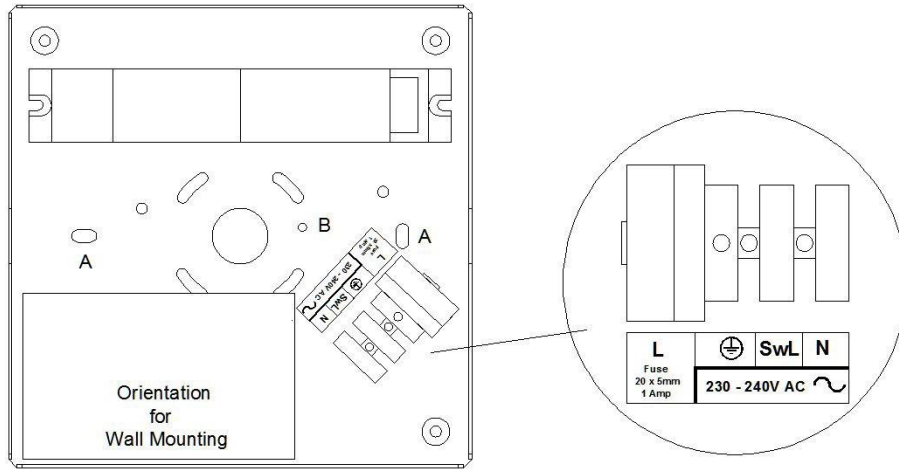
1. Unclip the cover and mount the luminaire to either the ceiling or wall, using fixing points A. For wall mounting ensure the battery is at the bottom of the luminaire.
2. Connect the mains supply as per wiring diagram shown on Pg. 2
3. Fit the mains cable retainer using fixing point B.
4. Connect the 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.



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

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										
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Functional										
Functional										
Functional										
Functional										
Functional										
Three Hour										