



## Project

Bear Café  
-Northwich, UK



Guardian LED p538



Eagle 3-In-1 LED  
Exit Sign p548

# Emergency

---



IP65 Bulkheads



Exit Boxes



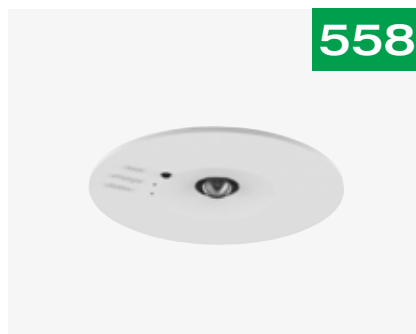
Suspended Edge



IP65 Surface/Recessed Edge



Twin Spots



LED Emergency Downlights



Three Circuit Legion LED Emergency Trackspot



Panel Pod Emergency



Emergency Lighting Packs



# Simple Self-Test



## What is Self-Test?

Self-Test is an intelligent emergency system, integral to each luminaire, that conducts routine functional and duration testing, in-line with the relevant standards and therefore offering full compliance. Self-test eliminates the requirements for manual testing; automatic fault indicators allow for speedy, accurate maintenance.

## How it Works

When the unit is first installed the fitting will randomly select a test date of between 200 and 365 days. Once this date is set it will continue to test at the same time every year for a full 3 hour test. Once the product has been on charge for 24 hours, the luminaire will illuminate for 5 seconds for test purposes. Every 30 days the installation will be tested for 10 minutes and the luminaire will show either regular function, or a fault as shown in the diagram below.



### Test Mode

The luminaire will illuminate during test conditions



### Regular Function

The luminaire will show a constant green LED in normal conditions



### Battery Failure

(Constant red LED)

The luminaire will show a red light to indicate the failure (please see below for full diagnosis)



### System Failure

(Slow flashing red LED)

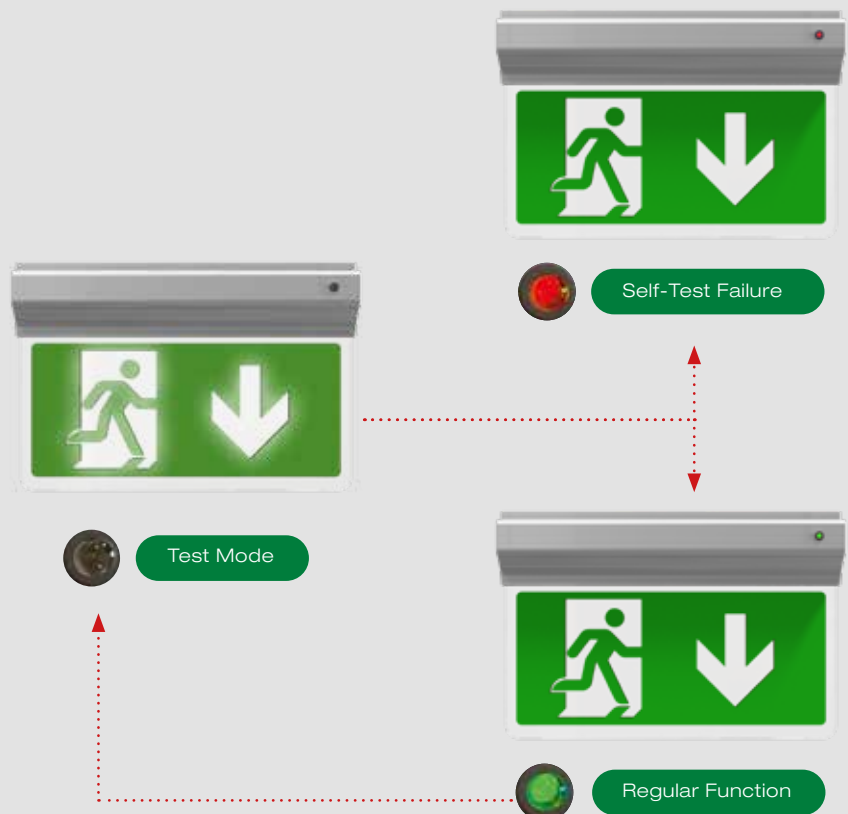
If the system fails the 10 minute / 3 hour duration test then the red LED will flash slowly



### Lamp / LED Failure

(Fast flashing red LED)

If the lamp / LED's fail the red light will flash quickly



# Self-Test Benefits

533

## ✓ Convenience

Test results are carried out by observation rather than manually testing each fitting. No need to isolate mains supply to test, ensuring minimal disruption to normal running of office and/or site.

## ✓ Cost Saving

No requirements for key switches or data cables, Dedicated maintenance personnel are required only to record and rectify faults; not initiate testing and inspection.

## ✓ Compliance

No possibility of missed scheduled tests; automatic monthly and annual tests provides building compliance, ensuring adherence to all relevant emergency and automatic testing standards.

## ✓ Easy Fault Identification

Bi-colour indicators display system status. Green LED indicates test complete and a healthy system  
Constant red LED indicates a battery failure  
Slow flashing red LED indicates system / duration test failure  
Fast flashing red LED indicates Lamp / LED failure

## Self-Test Range



537  
Monarch LED Lithium Bulkhead



540  
Kite LED Bulkhead



541  
Centurion LED Bulkhead



542  
Osprey LED Bulkhead



544  
EndLED Lithium Exit sign



545  
Encore LED Exit sign



546  
Watchman LED Lithium Exit sign



548  
Eagle 3-In-1 LED Exit sign



549  
Kestrel LED Suspended Exit sign



550  
Razzo LED Lithium Recessed Exit sign



551  
Harrier LED IP65 Blade Exit sign



552  
IP66 Owl LED Twin Spot



553  
Raptor IP65 LED Twin Spot



554  
Raptor IP20 LED Twin Spot



557  
Condor LED Twin Spot



558  
Signal LED Pro Lithium Emergency Downlight



562  
Raven LED Emergency Downlight



563  
Merlin LED Emergency Downlight



564  
Falcon LED Surface Emergency Downlight



566  
Panel Pod Emergency



## Smaller Battery

Lithium has a smaller form factor allowing more flexibility with luminaire design.



## Protection

Lithium batteries are installed with protection. Constant monitoring against short circuit, over-charging and even mechanical damage.



## Lower Parasitic Load

Lower parasitic load; reduced power consumption. Therefore reduced running costs and reduced carbon footprint.



## Pulse Charging

Pulse charging instead of trickle charging. Less strain on components; therefore electronics last longer and longer warranties can be offered.

## Lithium Pro



5 Year Battery Warranty

5 Year Product Warranty



Monarch LED Lithium Bulkhead



EndLED Lithium Exit sign



Watchman LED Lithium Exit sign



Razzo LED Lithium Recessed Exit sign



Signal LED Pro Lithium Emergency Downlight

## Lithium Eco



3 Year Battery Warranty

3 Year Product Warranty



Kestrel LED Suspended Exit sign



IP66 Owl LED Twin Spot High Output



Raptor IP65 LED Twin Spot



Raptor IP20 LED Twin Spot



Raven LED Emergency Downlight



Three Circuit Legion LED Emergency Trackspot



Panel Pod Emergency



Hawk Universal Lithium Emergency Kit





Designed to  
***Deliver*** ...



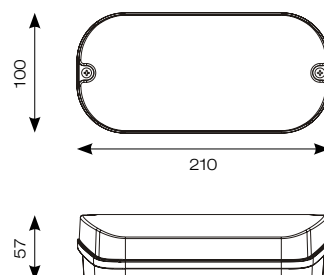
# Swift LED Bulkhead

Supplied c/w Legend and Integral Driver

536



- Small and unobtrusive LED bulkhead
- Supplied with self-adhesive legend
- Optic design provides optimum performance for escape route lighting
- Side and rear cable entries
- Screwless gear tray for ease of installation
- Viewing distance 17 metres



\* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself.

\*\* 0.5 lux minimum must be used for all areas larger than 60m<sup>2</sup>, the minimum value is to be measured across the area excluding 0.5m border around edge of room.

\*\*\* Explanation of terms;  
**Transverse - wall** - distance to wall from to side of fitting,  
**Transverse - transverse** - side to side spacing,  
**Axial - wall** - distance to wall from end of fitting,  
**Axial - axial** - end to end spacing.

Escape route 2 metres wide (1 Lux minimum) *					
	***				
	Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
	2.5	1.48	5	1.48	5.6
	4	1.2	4	0.72	4.5
	6	-	-	-	-

Open (Anti-Panic) area (0.5 Lux Minimum) **					
	***				
	Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
	2.5	2.5	6	1.98	6
	4	2.24	7.5	1.98	6
	6	2.24	5.9	1.98	5.79

Code	Lamp	Description	Trade
<b>ASWTLED/3M</b>	LED	3W Maintained / Non-Maintained	<b>£45.85</b>

<b>Accessory ASBP/1</b>	3.6V 600mAh Ni-Cd Replacement Battery		<b>£10.65</b>
-------------------------	---------------------------------------	--	---------------

## LED Information

Total (W)	3W
Lumens Delivered	
Emergency Mode	64lm
Standard Mode	173lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°



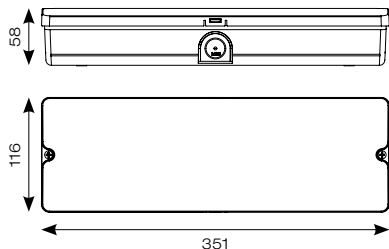
# Monarch LED Lithium Bulkhead

Supplied with Legend and Integral Driver



537

- Ultra-slim profile LED polycarbonate self-test bulkhead
- LiFePO4 Lithium battery provides improved energy consumption, product reliability and lifetime
- Supplied with self-adhesive legend
- 20mm side, end and rear cable entries
- Hinged screwless gear tray for ease of installation
- Viewing distance 18 metres



Escape route 2 metres wide (1 Lux minimum) *					
***	***		***		***
	Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
	2.5	1.6	5	1.5	5
	4	0.5	2.3	0.4	2.3
	6	-	-	-	-

Open (Anti-Panic) area (0.5 Lux Minimum) **					
***	***		***		***
	Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
	2.5	2.2	5.5	2.2	5.5
	4	2.4	6	2.4	6
	6	1.5	6	1.5	6

## LED Information

Total (W)	3W
Lumens Delivered	
Emergency Mode	62lm
Standard Mode	123lm
CCT	6000K
Input	220-240V
Hertz	50Hz
Operating Temp	5C° to 40C°

Code	Lamp	Description	Trade
<b>Self-Test</b> AMOLED/LI/3M/ST	LED	3W Maintained / Non-Maintained	<b>£45.75</b>
<b>Accessory ASBP/18</b>		3.2V 1500mAh Li-FePO4 Lithium Replacement Battery	<b>£12.85</b>



Warrington: +44 (0) 1942 433333  
Belfast: +44 (0) 2890 773750



# Guardian LED Bulkhead

Supplied c/w Legend and Integral Driver

538



- Ultra-slim profile LED polycarbonate bulkhead
- Supplied with self-adhesive legend
- 20mm side, end and rear cable entries
- Hinged screwless gear tray for ease of installation
- Viewing distance 18 metres



AGLED/KIT  
With Guardian Installed



	Escape route 2 metres wide (1 Lux minimum) *				
	***				
Mounting Height (M)		Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5		1.7	5.7	2.9	6
4		1.3	5.6	3	5
6		-	-	-	-

	Open (Anti-Panic) area (0.5 Lux Minimum) **				
	***				
Mounting Height (M)		Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5		3	7.5	3	7.5
4		3.8	8	3.8	8
6		3.8	8	3.8	8

\* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

\*\* 0.5 lux minimum must be used for areas larger than 60m<sup>2</sup>, the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

\*\*\* Explanation of the symbols:-  
**Transverse - Wall**  
Distance to wall from side of fitting

**Transverse - Transverse**  
Side to side spacing

**Axial - Wall**  
Distance to wall from end of fitting

**Axial - Axial**  
End to end spacing

## LED Information

Total (W)	3W
Lumens Delivered	
Emergency Mode	144lm
Standard Mode	180lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

Code	Lamp	Description	Trade
<b>AGLED/3M</b>	LED	3W Maintained / Non-Maintained	<b>£37.25</b>
<b>Accessories AGLED/KIT</b>		Semi-Recessing Kit - White	<b>£14.65</b>
<b>ASBP/2</b>		3.6V 1500mAh Replacement Ni-Cd Battery	<b>£12.30</b>



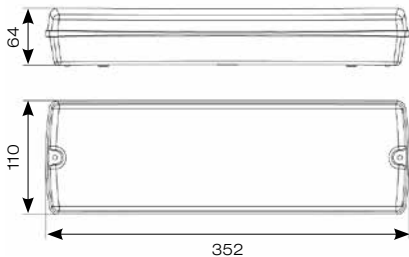
# Guardian LED 110V Bulkhead

Supplied c/w Integral Driver

- Ultra-slim profile LED polycarbonate bulkhead
- Suitable for all types of 110V emergency site lighting
- Supplied with self-adhesive legend
- 20mm side, end and rear cable entries
- Hinged screwless gear tray for ease of installation
- Viewing distance 18 metres



539



## LED Information

Total (Watts)	3W
Lumens Delivered	150lm
Lm/W	50lm
CRI	Ra 70
CCT	6500K
Input	110V
Hertz	50Hz
Operating Temp	-0°C to 25°C

Code	Lamp	Description	Trade
<b>AGLED/3M/110V</b>	LED	3W - Yellow Base	<b>£37.25</b>
<b>Accessories AGLED/KIT</b>		Semi-Recessing Kit - White	<b>£14.65</b>
<b>ASBP/2</b>		3.6V 1500mAh Replacement Ni-Cd Battery	<b>£12.30</b>



Warrington: +44 (0) 1942 433333  
Belfast: +44 (0) 2890 773750





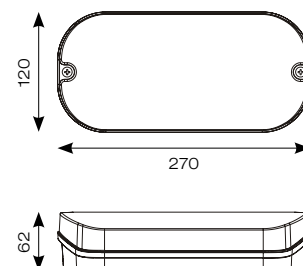
# Kite LED Emergency Bulkhead

Supplied with Legend and Integral Driver

540



- Modern ultra-slim profile
- IP65 LED polycarbonate bulkhead
- Self-test as standard
- Aesthetically designed for modern appearance
- Supplied with self-adhesive legend
- 20mm side and rear cable entries
- Hinged screwless gear tray for ease of installation
- Viewing distance 20 metres



Escape route 2 metres wide (1 Lux minimum) *					
	***				
	Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
	2.5	1.5	5.5	1.3	5.5
	4	1.3	5	1.4	6
	-	-	-	-	-

Open (Anti-Panic) area (0.5 Lux Minimum) **					
	***				
	Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
	2.5	2.1	6	2.1	6
	4	2.4	7	2.4	7
	6	2.4	7	2.4	7

- \* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself
- \*\* 0.5 lux minimum must be used for areas larger than 60m<sup>2</sup>, the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room
- \*\*\* Explanation of the symbols:-  
**Transverse - Wall**  
 Distance to wall from side of fitting  
**Transverse - Transverse**  
 Side to side spacing  
**Axial - Wall**  
 Distance to wall from end of fitting  
**Axial - Axial**  
 End to end spacing

Code	Lamp	Description	Trade
<b>Self-Test</b> AKTLED/3M/ST	LED	4W Maintained / Non-Maintained	<b>£49.65</b>

<b>Accessory</b> ASBP/1	3.6V 600mAh Ni-Cd Replacement Battery	<b>£10.65</b>
-------------------------	---------------------------------------	---------------

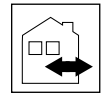
## LED Information

Total (W)	4W
Lumens Delivered	
Emergency Mode	79lm
Standard Mode	182lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°



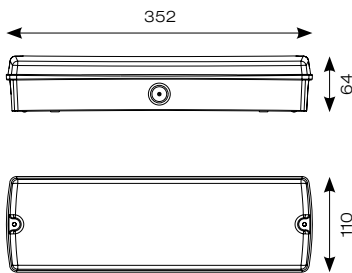
# Centurion LED Bulkhead

Supplied c/w Legend and Integral Driver



541

- High lumen performance LED polycarbonate bulkhead for increased spacings
- Supplied with self-adhesive legend
- Self-test as standard
- Outperforms 8W T5 and exceeds performance of Guardian by 56%
- 20mm conduit entry positions and rear terminal box entry
- Hinged screwless gear tray for ease of installation
- Viewing distance 18 metres
- 50,000 hours average lifetime



\* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

\*\* 0.5 lux minimum must be used for areas larger than 60m<sup>2</sup>, the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

\*\*\* Explanation of the symbols:-  
**Transverse - Wall**  
 Distance to wall from side of fitting  
**Transverse - Transverse**  
 Side to side spacing  
**Axial - Wall**  
 Distance to wall from end of fitting  
**Axial - Axial**  
 End to end spacing

Escape route 2 metres wide (1 Lux minimum) *					
	***				
	Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
	2.5	1.7	7	2	6.8
	4	2	8.5	2.5	8
	6	-	-	-	-

Open (Anti-Panic) area (0.5 Lux Minimum) **					
	***				
	Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
	2.5	2.5	7.5	2.5	7.5
	4	3.5	9	3.5	9
	6	3.6	9.5	3.6	9.5

## LED Information

Total (W)	3W
Lumens Delivered	
Emergency Mode	151lm
Standard Mode	254lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

Code	Lamp	Description	Trade
<b>Self-Test</b> ACELED/3M/ST	LED	3W Maintained / Non-Maintained	<b>£73.00</b>
<b>Accessory</b> ASBP/2		3.6V 1500mAh Ni-Cd Replacement Battery	<b>£12.30</b>



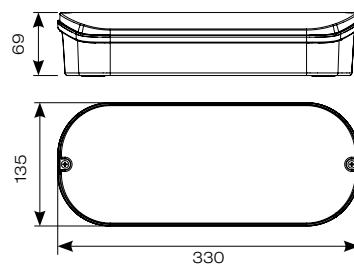
Warrington: +44 (0) 1942 433333  
 Belfast: +44 (0) 2890 773750



# Osprey High Rack LED Bulkhead

Supplied c/w Integral Driver

542



- Modern slim profile IP65 LED polycarbonate bulkhead
- Compact high polished reflector design to provide required light level from high mounting heights
- High performance LED's and optical performance allows increased spacing ratios
- Cold store option incorporates an intelligent integral heat management system to operate in cold store applications down to -30°C
- Self-test as standard
- Aesthetically designed for modern appearance
- 20mm side and rear cable entries

***	Escape route 2 metres wide (1 Lux minimum) *			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
Mounting Height (M)				
10	-	-	5	20
15	-	-	1.2	15.5

***	Open (Anti-Panic) area (0.5 Lux Minimum)**			
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
Mounting Height (M)				
10	5.2	14.5	5.2	18
15	5	17	5	22

\* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

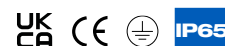
\*\* 0.5 lux minimum must be used for areas larger than 60m<sup>2</sup>, the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

\*\*\* Explanation of the symbols:-  
**Transverse - Wall**  
 Distance to wall from side of fitting  
**Transverse - Transverse**  
 Side to side spacing  
**Axial - Wall**  
 Distance to wall from end of fitting  
**Axial - Axial**  
 End to end spacing

## LED Information

Total (W)	9W
	22W
Lumens Delivered	
Emergency Mode	380lm
Standard Mode	438lm
Lumens Delivered Cold Store	
Emergency Mode	383lm
Standard Mode	554lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°
Cold Store	-30C° to 5C°

	Code	Lamp	Description	Trade
<b>Self-Test</b>	<b>AOSLED/3M/ST</b>	LED	9W Maintained / Non-Maintained - Self-Test	<b>£74.50</b>
<b>Cold Store</b>	<b>AOSLED/3M/CS</b>	LED	22W Maintained / Non-Maintained - Self-Test	<b>£89.50</b>
<b>Accessories</b>	<b>ASBP/15</b>	4.8V 4Ah Ni-Cd Replacement Battery		<b>£20.90</b>
	<b>ASBP/16</b>	4.8V 4Ah Ni-Cd Replacement Battery (for use with Cold Store fitting)		<b>£21.80</b>



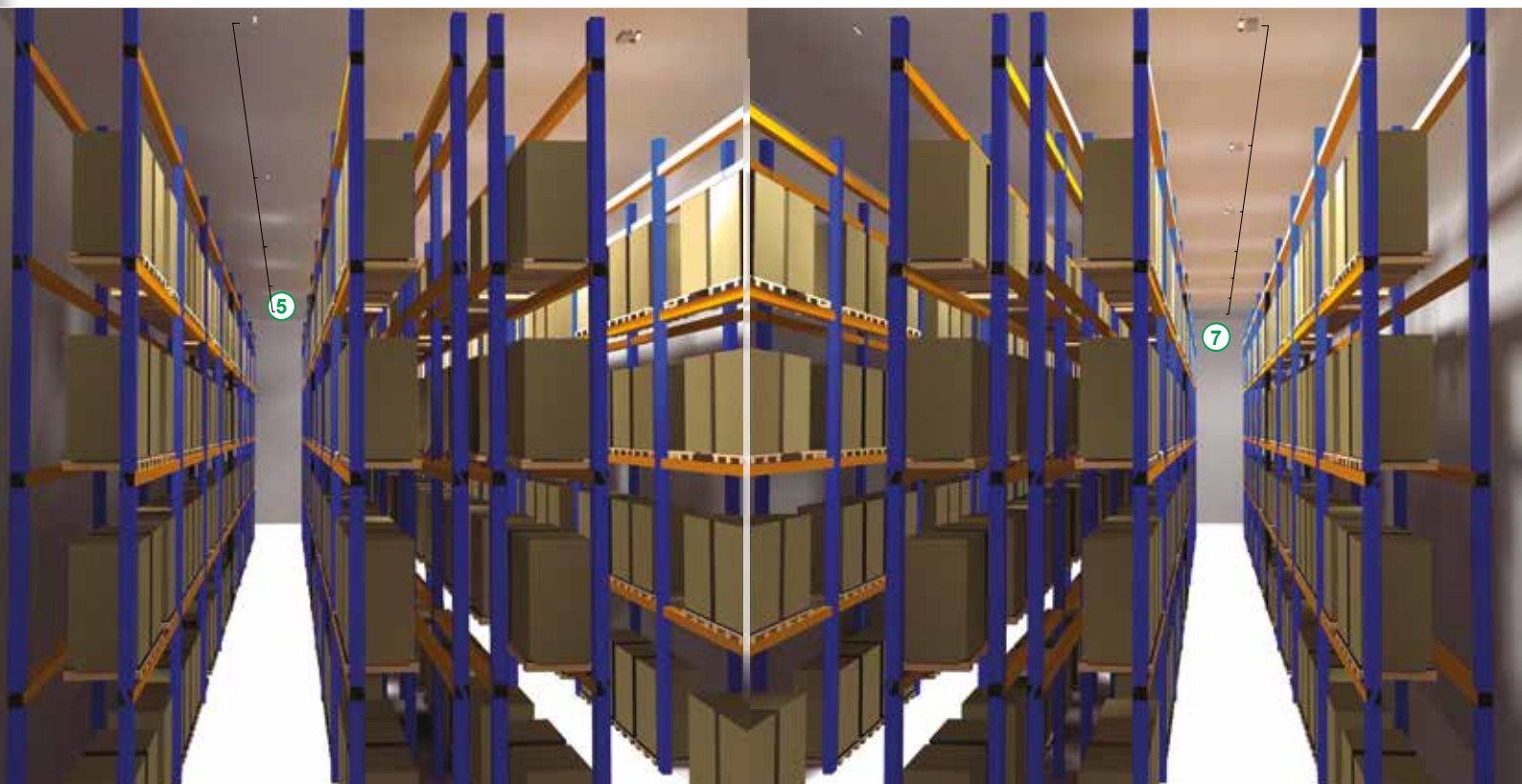


# Osprey LED



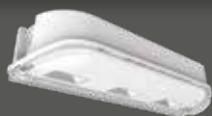
## High Rack Bulkhead vs. Traditional Halogen Twin Spot

Warehouse racking aisle scheme (15 metre ceiling height and 2 metre aisle width)



### Osprey LED 9W

5 fittings to reach required lux level



### Halogen Twinspot 2x20W

7 fittings to reach required lux level



- ✓ Quick and easy installation
- ✓ Maintenance free
- ✓ Self-Test as standard
- ✓ Better spacing ratio for less fittings



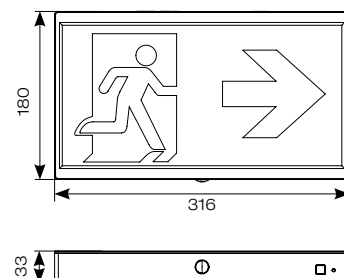
# EndLED Lithium Exit Sign

Supplied c/w Integral Driver and Legend

544



- Low profile compact and modern polycarbonate LED exit sign
- LiFePO4 Lithium battery provides improved energy consumption, product reliability and lifetime
- Self-test emergency as standard
- Supplied with all legend options - arrow down, arrow up and arrow left/right
- 20mm top and rear cable entries
- Viewing distance 30 metres



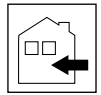
	Code	Lamp	Description	Trade
Self-Test	AENLED/LI/3M/ST	LED	2.5W - Maintained / Non-Maintained - White	£64.00
	AENLED/LI/3M/ST/B	LED	2.5W - Maintained / Non-Maintained - Black	£64.00
Accessory	ASBP/18		3.2V 1500mAh Li-FePO4 Lithium Replacement Battery	£12.85

## LED Information

Total (W)	2.5W
Lumens Delivered	
Emergency mode	18lm
CCT	6000K
Input	220-240V
Hertz	50Hz
Operating Temp	5C° to 40C°

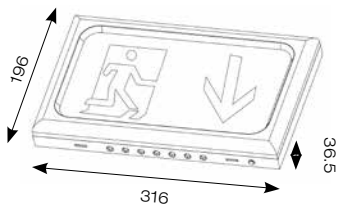
# Encore LED Exit Sign

Supplied c/w Legends and Integral Driver



545

- Ultra slim modern LED exit sign
- Self-test option
- Neat picture frame appearance compared to conventional fluorescent exit signs
- Supplied with all legend options - arrow down, arrow up and arrow left/right
- Viewing distance 29 metres



AENLED/3M/W



AENLED/3M/SG

## LED Information

Total (W)	2.6W
Lumens Delivered	
Emergency mode	20lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

	Code	Lamp	Description	Trade
<b>Standard</b>	<b>AENLED/3M/W</b>	LED	2.6W Maintained/Non-Maintained - White	<b>£50.50</b>
	<b>AENLED/3M/SG</b>	LED	2.6W Maintained/Non-Maintained - Silver Grey	<b>£50.50</b>
<b>Self-Test</b>	<b>AENLED/3M/W/ST</b>	LED	2.6W Maintained/Non-Maintained - White	<b>£75.00</b>
<b>Accessory</b>	<b>ASBP/2</b>		3.6V 1500mAh Ni-Cd Replacement Battery	<b>£12.30</b>



Warrington: +44 (0) 1942 433333  
Belfast: +44 (0) 2890 773750



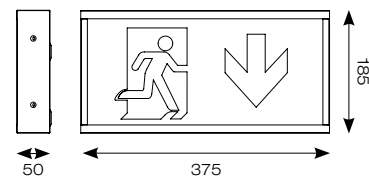
# Watchman LED Lithium Exit Sign

Supplied c/w Legend and Integral Driver

546



- Slim white steel LED exit box sign with legend
- LiFePO4 Lithium battery provides improved energy consumption, product reliability and lifetime
- Larger dimensions enables easy retrofit replacement of fluorescent products
- Viewing distance 37 metres



	Code	Lamp	Description	Trade
<b>Self-Test</b>	<b>AWLED/LI/3M/ST</b>	LED	3.5W Maintained / Non-Maintained	<b>£58.00</b>
<b>Legends</b>	<b>AWLED/L/AD</b>	Lithium Legend - Arrow Down		<b>£9.60</b>
	<b>AWLED/L/AR</b>	Lithium Legend - Arrow Right		<b>£9.60</b>
	<b>AWLED/L/AL</b>	Lithium Legend - Arrow Left		<b>£9.60</b>
	<b>AWLED/L/AU</b>	Lithium Legend - Arrow Up		<b>£9.60</b>
<b>Battery</b>	<b>ASBP/18</b>	3.2V 1500mAh Li-FePO4 Lithium Replacement Battery		<b>£12.85</b>

## LED Information

Total (W)	3.5W
Lumens Delivered	
Emergency mode	17lm
CCT	6000K
Input	220-240V
Hertz	50Hz
Operating Temp	5C° to 40C°



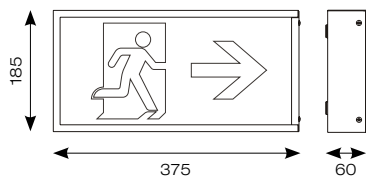
# Watchman LED Exit Sign

Supplied c/w Legend and Integral Driver



547

- White steel LED exit box sign with legend
- Larger dimensions enables easy retrofit replacement of fluorescent products
- Viewing distance 37 metres



## LED Information

Total (W)	3W
Lumens Delivered	
Emergency mode	25lm
CCT	6000K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

	Code	Lamp	Description	Trade
	<b>AWLED/3M</b>	LED	3W Maintained / Non-Maintained	<b>£45.25</b>
<b>Legends</b>	<b>AG8/L/AD</b>		Legend - Arrow Down	<b>£9.70</b>
	<b>AG8/L/AR</b>		Legend - Arrow Right	<b>£9.70</b>
	<b>AG8/L/AL</b>		Legend - Arrow Left	<b>£9.70</b>
	<b>AG8/L/AU</b>		Legend - Arrow Up	<b>£9.70</b>
<b>Battery</b>	<b>ASBP/3</b>		3.6V 1800mAh Ni-Cd Replacement Battery	<b>£12.30</b>



Warrington: +44 (0) 1942 433333  
Belfast: +44 (0) 2890 773750





# Eagle 3-In-1 LED Exit Sign

Supplied c/w Integral Driver and Legend

548



AE3LED/3M/SI  
Semi Recessed

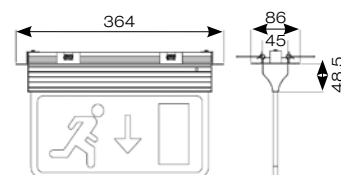


AE3LED/3M/W  
Suspended

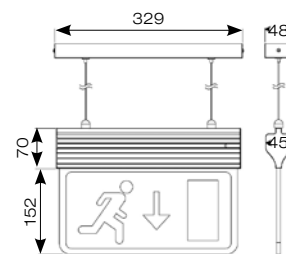


AE3LED/3M/W  
Side Arm Wall Mounted

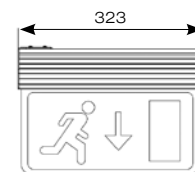
- Modern, slim, 3-In-1 LED Exit Sign
- Self-test option
- One fitting that enables choice of three different mounting options :- suspension, recessed or side arm wall mounting
- Viewing distance 25 metres



Semi Recessed



Suspended



Side Arm Wall Mounted

	Code	Lamp	Description	Trade
Standard	AE3LED/3M/W	LED	2.5W Maintained/Non-Maintained - White	£88.00
	AE3LED/3M/SI	LED	2.5W Maintained/Non-Maintained - Silver	£88.00
Self-Test	AE3LED/3M/W/ST	LED	2.5W Maintained/Non-Maintained - White	£105.00
Legends	AE3LED/ALAR		Double Sided Legend - Arrow Left and Right	£20.70
	AE3LED/L/AD		Double Sided Legend - Arrow Down	£20.70
	AE3LED/L/AU		Double Sided Legend - Arrow Up	£20.70
Battery	ASBP/4		3.6V 800mAh Replacement Ni-Cd Battery	£11.45

## LED Information

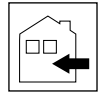
Total (W)	2.5W
Lumens Delivered	
Emergency mode	15lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°



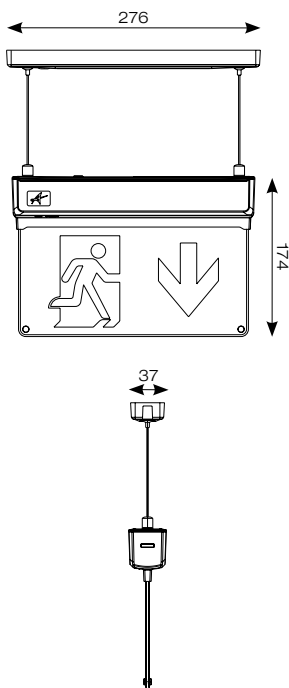
# Kestrel LED Suspended Exit Sign

Supplied c/w Integral Driver and Legend

- Ultra slim suspended LED emergency exit sign
- Self-test emergency as standard
- LiFePO4 Lithium battery provides improved energy consumption, product reliability and lifetime
- Supplied with all legend options - arrow down, arrow up and arrow left/right
- Viewing distance 24 metres



549



## LED Information

Total (W)	2W
Lumens Delivered	
Emergency mode	14lm
CCT	6500K
Input	230V
Hertz	50Hz
Operating Temp	0C° to 40C°

	Code	Lamp	Description	Trade
<b>Self-Test</b>	<b>AKESLED/3M</b>	LED	2W - Maintained/Non-Maintained	<b>£48.00</b>
<b>Battery</b>	<b>ASBP/22</b>		3.2V 1000mAh Replacement Li-FeP04 Battery	<b>£7.75</b>



Warrington: +44 (0) 1942 433333  
Belfast: +44 (0) 2890 773750



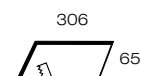
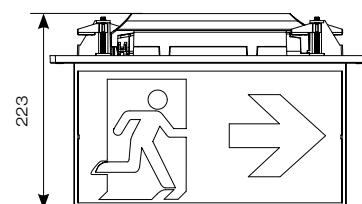
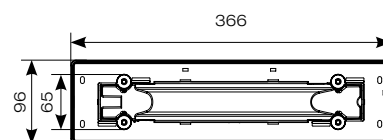
# Razzo LED Lithium Recessed Exit Sign

Supplied c/w Integral Driver and Legend

550



- Slim low profile recessed LED exit sign
- DALI emergency as standard
- Supplied c/w all legends
- If not connected to DALI network self-test mode operates automatically
- Viewing distance 24 metres



## LED Information

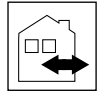
Total (W)	4.5W
Lumens Delivered	
Emergency mode	100lm
CCT	6000K
Input	220-240V
Hertz	50Hz
Operating Temp	5C° to 40C°

	Code	Lamp	Description	Trade
Self-Test	ARAZLED/LI/3M/DA	LED	4.5W Maintained / Non-Maintained - White	£155.00
	ARAZLED/LI/3M/DA/B	LED	4.5W Maintained / Non-Maintained - Black	£155.00
Battery	ASBP/19		6.4V 1500mAh LiFePO4 Lithium Replacement Battery	£21.35



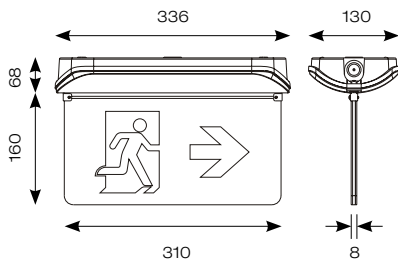
# Harrier LED IP65 Blade Exit Sign

Supplied c/w Self-Adhesive Legend (Optional Blade Legend ordered separately)



551

- Compact high performance IP65 polycarbonate surface emergency luminaire
- Self-test as standard
- Optional hanging blade legends (supplied with self-adhesive legend as standard) for enhanced appearance
- Aesthetically designed for modern appearance
- 20mm side and rear cable entries
- High output LED performance and distribution allows maximum spacing providing reduced cost
- Viewing distance 25 metres



\* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself

\*\* 0.5 lux minimum must be used for areas larger than 60m<sup>2</sup>, the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room

\*\*\* Explanation of the symbols:-

**Transverse - Wall**

Distance to wall from side of fitting

**Transverse - Transverse**

Side to side spacing

**Axial - Wall**

Distance to wall from end of fitting

**Axial - Axial**

End to end spacing

## LED Information

Total (W)	5W
Lumens Delivered	
Emergency Mode	142lm
Standard Mode	299lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

	Code	Lamp	Description	Trade
<b>Self-Test</b>	<b>AHARLED/3M/ST</b>	LED	5W Maintained/Non-Maintained	<b>£79.00</b>
<b>Legends</b>	<b>AHARLED/ALAR</b>		Harrier LED Double Sided Legend - Arrow Left and Right	<b>£21.85</b>
	<b>AHARLED/L/AD</b>		Harrier LED Double Sided Legend - Arrow Down	<b>£21.85</b>
	<b>AHARLED/L/AU</b>		Harrier LED Double Sided Legend - Arrow Up	<b>£21.85</b>
<b>Battery</b>	<b>ASBP/5</b>		7.2V 1500mAh Ni-Cd Replacement Battery	<b>£20.20</b>



Warrington: +44 (0) 1942 433333  
Belfast: +44 (0) 2890 773750





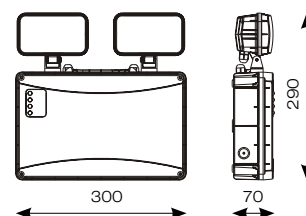
# IP66 Owl LED Twin Spot High Output

Supplied c/w Integral Driver

552



- Self-test Twin LED emergency floodlight for industrial applications
- Exceeds performance of 2x20W halogen equivalent
- Robust white moulded enclosure
- Moulded polycarbonate heads
- Self-test as standard



	Code	Lamp	Description	Trade
Self-Test	ATSLED/3NM/ST/HO	LED	3.3W Non-Maintained	£150.00
Battery	ASBP/6/LI	6.4V 5.5Ah-5 Li-FeP04 Replacement Battery		£46.25

## LED Information

Total (W)	3.3W
Lumens Delivered	
Emergency Mode	670lm
CCT	6500K
Input	220V-240V
Hertz	50Hz
Operating Temp	5C° to 40C°



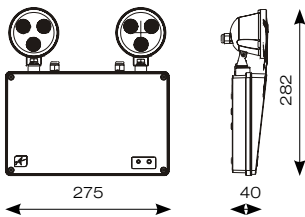
# Raptor IP65 LED Twin Spot

Supplied c/w Integral Driver



553

- Compact modern twin spot suitable for industrial applications
- Exceeds performance of 2x20W halogen equivalent
- LiFePO4 Lithium battery provides enhanced product lifetime
- Moulded polycarbonate heads
- Individual adjustable LED arrays allowing the end user to move head angle up or down to aim output to desired height
- Self-test as standard



## LED Information

Total (W)	1.8W
Lumens Delivered	
Emergency Mode	215lm
CCT	6500K
Input	230V
Hertz	50Hz
Operating Temp	5C° to 40C°

	Code	Lamp	Description	Trade
<b>Self-Test</b>	<b>ARAPLED/3NM/2</b>	LED	1.8W Non-Maintained	<b>£88.00</b>
<b>Battery</b>	<b>ASBP/25</b>		3.2V 3Ah Li-Ion Replacement Battery	<b>£20.65</b>



Warrington: +44 (0) 1942 433333  
Belfast: +44 (0) 2890 773750

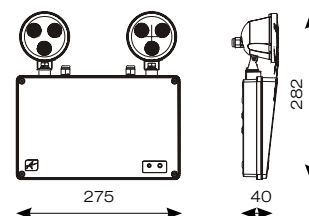


# Raptor IP20 LED Twin Spot

Supplied c/w Integral Driver



- Compact modern twin spot suitable for industrial applications
- Exceeds performance of 2x20W halogen equivalent
- LiFePO4 Lithium battery provides enhanced product lifetime
- Moulded polycarbonate heads
- Individual adjustable LED arrays allowing the end user to move head angle up or down to aim output to desired height
- Self-test as standard



	Code	Lamp	Description	Trade
Self-Test	ARAPLED/3NM/1	LED	1.8W Non-Maintained	£78.00
Battery	ASBP/25	3.2V 3Ah Li-Ion Replacement Battery		£20.65

## LED Information

Total (W)	1.8W
Lumens Delivered	
Emergency Mode	215lm
CCT	6500K
Input	230V
Hertz	50Hz
Operating Temp	-10C° to 40C°



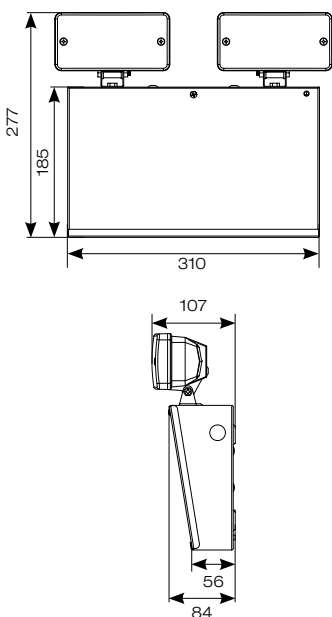
# LED Twin Spot

Supplied c/w Integral Driver



555

- Twin LED emergency floodlighting for industrial applications
- Exceeds performance of 2x20W halogen equivalent
- Robust metal enclosure in an opal colour
- Moulded polycarbonate heads



## LED Information

Total (W)	3W
Lumens Delivered	
Emergency Mode	198lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

	Code	Lamp	Description	Trade
	<b>ATSLED/3NM</b>	LED	3W Non-Maintained	<b>£124.00</b>
<b>Battery</b>	<b>ASBP/7</b>	3.6V 4Ah Ni-Cd Replacement Battery		<b>£24.05</b>



Warrington: +44 (0) 1942 433333  
Belfast: +44 (0) 2890 773750









# Condor LED Twin Spot

Supplied c/w Integral Driver

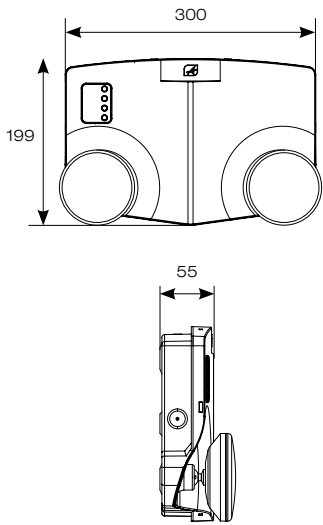


557

- Sleek modern polycarbonate moulded decorative twin spot
- Individual adjustable LED array's allowing the end user to aim output into the desired location
- Decorative design suitable for retail application
- Self-test as standard



ACTSLED/W/3NM



ACTSLED/B/3NM

## LED Information

Total (W)	5W
Lumens Delivered	
Emergency Mode	
ACTSLED/W/3NM	368lm
ACTSLED/B/3NM	361lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

	Code	Lamp	Description	Trade
Self-Test	ACTSLED/W/3NM	LED	5W - White	£136.00
Self-Test	ACTSLED/B/3NM	LED	5W - Black	£136.00
	ASBP/6		3.6V 6Ah Ni-Cd Replacement Battery	£31.90



Warrington: +44 (0) 1942 433333  
Belfast: +44 (0) 2890 773750



# Signal Pro LED Lithium Emergency Downlight

Supplied c/w Remote Driver and Battery Pack

558



ASPRLED/LI/3M/DA  
Open Area Lens

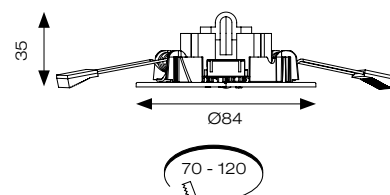


ASPRLED/LI/3M/DA  
Escape Route Lens



ASPRLED/LI/3M/DA  
Fitted with included Converter Plate Accessory

- Compact LED Non-Maintained fixed downlight
- LiFePO4 Lithium battery provides enhanced product lifetime
- 70mm to 120mm cut-out
- Supplied with open area and escape route interchangeable lenses
- High specification optic design and performance allows increased spacing providing reduced cost
- DALI emergency as standard
- If not connected to DALI network Self-test mode operates automatically



- \* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself
- \*\* 0.5 lux minimum must be used for areas larger than 60m<sup>2</sup>, the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room
- \*\*\* Explanation of the symbols:-  
**Transverse - Wall**  
 Distance to wall from side of fitting  
**Transverse - Transverse**  
 Side to side spacing  
**Axial - Wall**  
 Distance to wall from end of fitting  
**Axial - Axial**  
 End to end spacing

		Escape route 2 metres wide (1 Lux minimum) *			
		***	***	***	***
Mounting Height (M)		Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5		-	-	6	14
4		-	-	5.5	16
6		-	-	-	-

		Open (Anti-Panic) area (0.5 Lux Minimum)**			
		***	***	***	***
Mounting Height (M)		Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
2.5		4	8	4	8
4		4.7	9	4.7	9
6		4.9	9.5	4.9	9.5

Code	Lamp	Description	Trade
ASPRLED/LI/3M/DA	LED	2.5W Non-Maintained	£104.00

Accessory ASBP/19	6.4V 1500mAh LiFePO4 Lithium Replacement Battery	£21.35
-------------------	--	--------

## LED Information

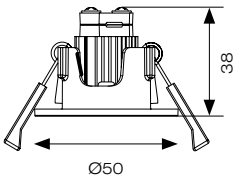
Total (Watts)	2.5W
Lumens Delivered Emergency Mode	
Open Area	209lm
Escape Route	201lm
Beam Angle	
Open Area	144°
Escape Route	143° x 120°
CCT	6000K
Input	220-240V
Hertz	50Hz
Operating Temp	5°C to 40°C



# Signal LED Emergency Downlight

Supplied c/w Remote Driver and Battery Pack

- Economic and compact LED Non-Maintained fixed downlight
- Integral selector switch provides option of high/medium/low brightness of green charging indicator
- White and black powder coat paint finish
- LED combines power and green charge indicator
- Dimmable switch included for green charge indicator
- 3 hour emergency output



- \* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself
- \*\* 0.5 lux minimum must be used for areas larger than 60m<sup>2</sup>, the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room
- \*\*\* Explanation of the symbols:-  
**Transverse - Wall**  
 Distance to wall from side of fitting  
**Transverse - Transverse**  
 Side to side spacing  
**Axial - Wall**  
 Distance to wall from end of fitting  
**Axial - Axial**  
 End to end spacing

## LED Information

Total (Watts)	1.5W
Lumens Delivered Emergency Mode	
ASLED/3NM	100lm
ASLED/3NM/B	107lm
Beam Angle	
ASLED/3NM	128°
ASLED/3NM/B	115°
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0°C to 40°C



559



ASLED/3NM



Included switch allows dimming for green LED charge indicator



ASLED/3NM/B

		Escape route 2 metres wide (1 Lux minimum) *				
		***	Diagram 1	Diagram 2	Diagram 3	Diagram 4
Mounting Height (M)		Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
2.5	ASLED/3NM	3	8.5	3	8.5	
4	ASLED/3NM	3	9	3	9	
2.5	ASLED/3NM/B	2.7	7	2.7	7	
4	ASLED/3NM/B	2.6	7.5	2.6	7.5	

		Open (Anti-Panic) area (0.5 Lux Minimum)**				
		***	Diagram 1	Diagram 2	Diagram 3	Diagram 4
Mounting Height (M)		Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
2.5	ASLED/3NM	3.6	7.5	3.6	7.5	
4	ASLED/3NM	3.6	10.5	3.6	10.5	
6	ASLED/3NM	3.6	11	3.6	11	
2.5	ASLED/3NM/B	3	6.3	3	6.3	
4	ASLED/3NM/B	3	9	3	9	
6	ASLED/3NM/B	3	10.5	3	10.5	

Code	Lamp	Description	Trade
ASLED/3NM	LED	1.5W Non-Maintained	£46.75
ASLED/3NM/B	LED	1.5W Non-Maintained	£46.75

Accessory ASBP/8	3.6V 2Ah Ni-Cd Replacement Battery	£17.15
------------------	------------------------------------	--------

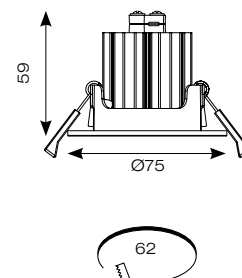
# Beacon LED Emergency Fixed Downlight

Supplied c/w Remote Driver and Battery Pack

560



- LED Non-Maintained fixed polycarbonate downlight
- 3 hour emergency output
- Power and green charge LED are discreetly incorporated within the head
- 123° beam angle



Escape route 2 metres wide (1 Lux minimum) *					
***					
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
Mounting Height (M)					
2.5	-	-	3	9.5	
4	-	-	3.3	11.5	
6	-	-	-	-	

Open (Anti-Panic) area (0.5 Lux Minimum) **					
***					
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
Mounting Height (M)					
2.5	3.5	8.9	3.5	8.9	
4	4	11.4	4	11.4	
6	4.5	12.9	4.5	12.9	

- \* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself
- \*\* 0.5 lux minimum must be used for areas larger than 60m<sup>2</sup>, the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room
- \*\*\* Explanation of the symbols:-  
**Transverse - Wall**  
 Distance to wall from side of fitting  
**Transverse - Transverse**  
 Side to side spacing  
**Axial - Wall**  
 Distance to wall from end of fitting  
**Axial - Axial**  
 End to end spacing

## LED Information

Total (Watts)	5W
Lumens Delivered	
Emergency Mode	316lm
Beam Angle	123°
CCT	6500K
Input	230V
Hertz	50Hz
Operating Temp	0°C to 40°C

Code	Lamp	Description	Trade
ABFLED/3NM	LED	5W Non-Maintained	£65.50

Accessory	ASBP/9	3.6V 4.5Ah Ni-Cd Replacement Battery	£28.90
-----------	--------	--------------------------------------	--------





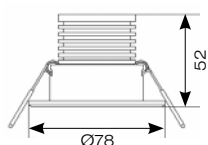
# Beacon LED Emergency Adjustable Downlight

Supplied c/w Remote Driver and Battery Pack



561

- LED Non-Maintained adjustable die-cast aluminium downlight
- 3 hour emergency output
- Power and green charge LED are discreetly incorporated within the head
- 22° beam angle



- \* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself
- \*\* 0.5 lux minimum must be used for areas larger than 60m<sup>2</sup>, the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room
- \*\*\* Explanation of the symbols:-  
**Transverse - Wall**  
 Distance to wall from side of fitting  
**Transverse - Transverse**  
 Side to side spacing  
**Axial - Wall**  
 Distance to wall from end of fitting  
**Axial - Axial**  
 End to end spacing

Escape route 2 metres wide (1 Lux minimum) *					
***	***				***
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
Mounting Height (M)					
2.5	2	5.25	2	5.25	
4	2.5	6.5	2.5	6.5	
6	-	-	-	-	

Open (Anti-Panic) area (0.5 Lux Minimum) **					
***	***				***
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
Mounting Height (M)					
2.5	2.25	5.7	2.25	5.7	
4	2.5	7.1	2.5	7.1	
6	3	8.25	3	8.25	

## LED Information

Total (Watts)	5W
Lumens Delivered	
Emergency Mode	248lm
Beam Angle	22°
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0°C to 40°C

Code	Lamp	Description	Trade
ABLED/3NM	LED	5W Non-Maintained	£70.00
Accessory ASBP/9	3.6V 4.5Ah Ni-Cd Replacement Battery		£28.90



Warrington: +44 (0) 1942 433333  
 Belfast: +44 (0) 2890 773750



# Raven LED Emergency Downlight

Supplied c/w Integral Driver and Battery Pack

562



Emergency downlight with integral inverter and battery pack

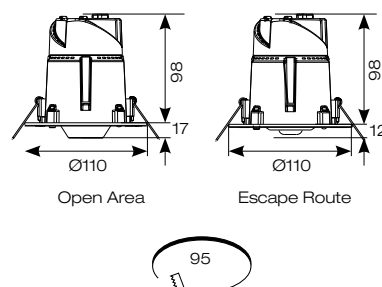


Escape Route



Open Area

- Recessed Self-test emergency downlight with self-contained inverter and battery pack
- Integral components for fast-fit installation
- Option of escape route or open area models
- High performance optic design
- Pre-wired with 150mm rubber insulated cable for ease of installation
- Up to 15 metres spacing between luminaires



- \* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself
- \*\* 0.5 lux minimum must be used for areas larger than 60m<sup>2</sup>, the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room
- \*\*\* Explanation of the symbols:-
- Transverse - Wall**  
Distance to wall from side of fitting
- Transverse - Transverse**  
Side to side spacing
- Axial - Wall**  
Distance to wall from end of fitting
- Axial - Axial**  
End to end spacing

Escape route 2 metres wide (1 Lux minimum) *					
***					
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
2.5	-	-	4	10	
4	-	-	3	11	
6	**	**	**	**	

Open (Anti-Panic) area (0.5 Lux Minimum) **					
***					
	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
2.5	2.5	4.88	2.5	4.88	
4	2.8	6.69	2.8	6.69	
6	2	8.5	2	8.5	

Code	Lamp	Description	Trade
<b>Self-Test</b> ARALED/ER/3NM/ST	LED	3W Non-Maintained - Escape Route	<b>£57.50</b>
<b>Self-Test</b> ARALED/OA/3NM/ST	LED	3W Non-Maintained - Open Area	<b>£57.50</b>

<b>Accessory</b> ASBP/14	3.2V 3000mA Li-FePO4 Lithium Replacement Battery	<b>£12.30</b>
--------------------------	--	---------------

## LED Information

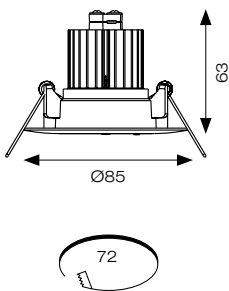
Total (Watts)	3W
Lumens Delivered	
Emergency Mode	
Open Area	128lm
Escape Route	111lm
Beam Angle	
Open Area	43.3°
Escape Route	142° x 49°
CCT	6500K
Input	220/240V
Hertz	50/60Hz
Operating Temp	0C° to 40C°



# Merlin LED Emergency Downlight

Supplied c/w Remote Driver and Battery Pack

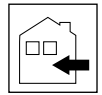
- Ultra-low profile recessed self-test emergency downlight
- Self-test as standard
- Option of escape route or open area models
- High specification optic design and performance allows increased spacing providing reduced cost
- Up to 17.8 metres spacing between luminaires



- \* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself
- \*\* 0.5 lux minimum must be used for areas larger than 60m<sup>2</sup>, the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room
- \*\*\* Explanation of the symbols:-  
**Transverse - Wall**  
 Distance to wall from side of fitting  
**Transverse - Transverse**  
 Side to side spacing  
**Axial - Wall**  
 Distance to wall from end of fitting  
**Axial - Axial**  
 End to end spacing

## LED Information

Total (Watts)	5W	
Lumens Delivered		
Emergency Mode	/B	
Open Area	259lm	191lm
Escape Route	247lm	229lm
Beam Angle		
Open Area	110°	108°
Escape Route	140° x 53°	140x 53°
CCT	6500K	
Input	230V	
Hertz	50/60Hz	
Operating Temp	0°C to 40°C	



563



AMELED/OA/3NM/ST



AMELED/ER/3NM/ST/B

		Escape route 2 metres wide (1 Lux minimum) *				
		***	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
 AMELED/ER/3NM/ST AMELED/ER/3NM/ST/B	Mounting Height (M)					
	2.5		-	-	5.5	14
	4		-	-	7.5	19.6
	2.5		-	-	5	14
	4		-	-	7	19.5

		Open (Anti-Panic) area (0.5 Lux Minimum)**				
		***	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
 AMELED/OA/3NM/ST AMELED/OA/3NM/ST/B	Mounting Height (M)					
	2.5		3	6.5	3	6.5
	4		4	9.5	4	9.5
	6		5	11.5	5	11.5
	2.5		3	6	3	6
	4		4	9	4	9
	6		4.5	10	4.5	10

Code	Lamp	Description	Trade
<b>Self-Test</b> AMELED/ER/3NM/ST	LED	5W Non-Maintained - Escape Route	£77.50
<b>Self-Test</b> AMELED/OA/3NM/ST	LED	5W Non-Maintained - Open Area	£77.50
<b>Self-Test</b> AMELED/ER/3NM/ST/B	LED	5W Non-Maintained - Escape Route - Black	£77.50
<b>Self-Test</b> AMELED/OA/3NM/ST/B	LED	5W Non-Maintained - Open Area - Black	£77.50

<b>Accessory</b> ASBP/9	3.6V 4.5Ah Ni-Cd Replacement Battery	£28.90
-------------------------	--------------------------------------	--------

# IP65 Falcon LED Surface Emergency Downlight

Supplied c/w Integral Driver and Battery Pack

564



AFALED/3NM/ST/IP65



AFALED/3NM/ST/IP65/B



Open Area Lens



Escape Route Lens

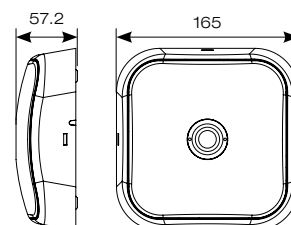
		Escape route 2 metres wide (1 Lux minimum) *				
		***				
		Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
 AFALED/ER/3NM/ST	Mounting Height (M)					
	2.5	-	-	4.2	10	
 AFALED/ER/3NM/ST/B	4	-	-	4.25	12	
	2.5	-	-	4	9.5	
	4	-	-	3.6	11	

		Open (Anti-Panic) area (0.5 Lux Minimum)**				
		***				
		Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial	
 AFALED/OA/3NM/ST	Mounting Height (M)					
	2.5	2.5	5	2.5	5	
	4	3.5	7.1	3.5	7.1	
 AFALED/OA/3NM/ST/B	6	4	9.8	4	9.8	
	2.5	2.5	4.8	2.5	4.8	
	4	3.5	6.8	3.5	6.8	
	6	4	9.8	4	9.8	

	Code	Lamp	Description	Trade
Self-Test	AFALED/3NM/ST/IP65	LED	3W Non-Maintained	£59.00
Self-Test	AFALED/3NM/ST/IP65/B	LED	3W Non-Maintained - Black	£59.00

Accessory	ASBP/14	3.6V 3Ah Ni-Cd Replacement Battery	£12.30
-----------	---------	------------------------------------	--------

- Compact surface ultra-low profile recessed self-test emergency downlight
- Self-test as standard
- Supplied with open area and escape route interchangeable lenses
- High specification optic design and performance allows increased spacing providing reduced cost
- Up to 19.6 metres spacing between luminaires
- BESA mounting option



- \* 1 lux minimum must be used for all marked emergency escape routes, to be measured down the centre line of the escape route itself
- \*\* 0.5 lux minimum must be used for areas larger than 60m<sup>2</sup>, the maximum value is to be measured across the area excluding 0.5 metre border around the edge of the room
- \*\*\* Explanation of the symbols:-  
**Transverse - Wall**  
 Distance to wall from side of fitting  
**Transverse - Transverse**  
 Side to side spacing  
**Axial - Wall**  
 Distance to wall from end of fitting  
**Axial - Axial**  
 End to end spacing

## LED Information

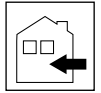
Total (Watts)	3W	
Lumens Delivered		
Emergency Mode	White	Black
Open Area	152lm	142lm
Escape Route	138lm	116lm
Beam Angle		
Open Area	96°	96°
Escape Route	133° x 15°	135° x 17°
CCT	6500K	
Input	230V	
Hertz	50/60Hz	
Operating Temp	0°C to 40°C	





# Three Circuit Legion LED Emergency Trackspot

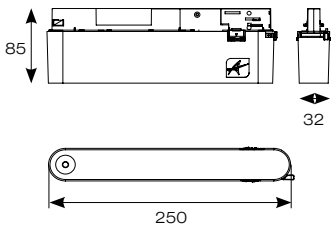
Supplied c/w Integral Driver and Battery Pack



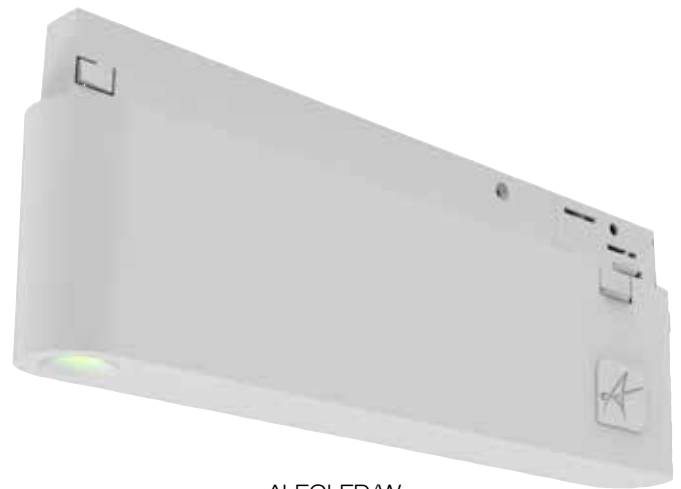
565

- Three circuit non-maintained emergency trackspot
- 3hr Emergency Output
- Simply clip onto existing track system for instant emergency lighting solution
- Power and green charge LED are discreetly incorporated within the head
- Available in black and white finishes
- 3.2W LED light source produces 250 lumens
- 105° beam angle
- Must be used in conjunction with the Unity 3 circuit track (see p195-p202)

Please note, this product will not work with single circuit track systems



ALEGLED/B



ALEGLED/W



Emergency Standby



Emergency Operation

## LED Information

Total (Watts)	3.2W
Lumens Delivered	250lm
Lm/W	78lm
Beam Angle	105°
CRI	Ra 80
CCT	6000K
Input	230V
Hertz	50/60Hz
Operating Temp	0°C to 40°C

Code	Lamp	Description	Trade
<b>ALEGLED/W</b>	LED	3.2W - Daylight - White	<b>£70.00</b>
<b>ALEGLED/B</b>	LED	3.2W - Daylight - Black	<b>£70.00</b>
<b>ASBP/27/LI</b>	3.2V 6Ah Li-FeP04 Replacement Battery		<b>£29.35</b>



Warrington: +44 (0) 1942 433333  
Belfast: +44 (0) 2890 773750



# LED Panel Pod Emergency

Compatible Infinite and Endurance LED Panels

566



Top Housing View

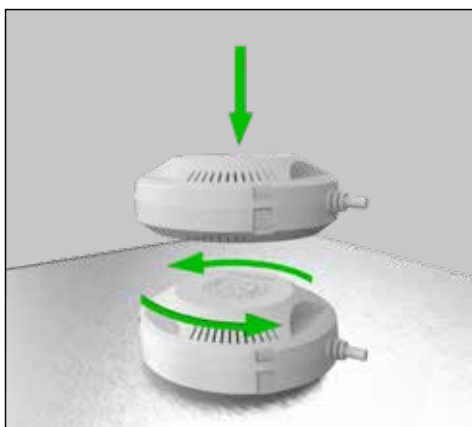


Bottom Housing View showing Emergency LED



## STEP 1

Unscrew coin plug from back of Ansell LED Panels

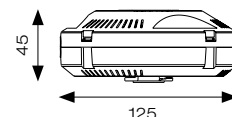


## STEP 2

Locate and twist Panel Pod into position. Connect incoming supply to pre-lead-ed cable

	Code	Lamp	Description	Trade
<b>Self-Test</b>	<b>AIR/LED/POD/3NM/ST</b>	LED	5W - Cool White	<b>£106.00</b>
<b>Accessory</b>	<b>ASBP/21</b>	6.4V 3Ah Li-FePO4 Replacement Battery		<b>£33.55</b>

- Integral emergency pod to convert any Ansell Endurance LED and Pace LED panel to emergency, instantly
- Simple, quick twist and lock fixing
- LiFePO4 Lithium battery provides improved energy consumption, product reliability and lifetime
- Supplied with a pre-wired 1 Metre cable for ease of installation
- Tri-colour LED shows green for healthy running condition, red/flashing for fault conditions and white for emergency operation
- UK Patent No. GB2522285
- European Patent No. 15165652.7
- Irish Patent No. 2015/0128
- EC Registered Design No 002712232-0001



## LED Information

Total (Watts)	5W
Lumens Delivered	
Emergency Mode	189lm
Beam Angle	120°
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 45C°



# Panel Pod



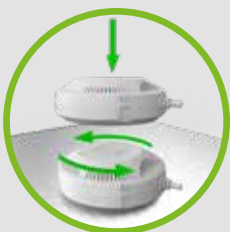
567



## Pre-wired 1 metre cable \*

As standard ensuring a fast and easy installation

\* 300mm for Panel Pod Sensor



## Twist and Lock Connection

Provides a secure connection and easy installation



## Self-Test as standard \*

Provides instant indication to status of emergency module and lamp, negating the need for manual monthly and annual checks

\* Panel Pod Emergency only



## Detection Area and Angle

Provides detection area of 360° with a detection angle of 120°



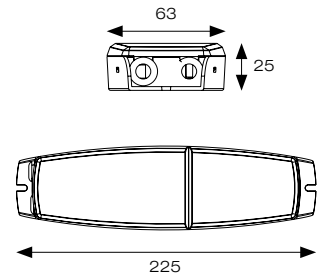
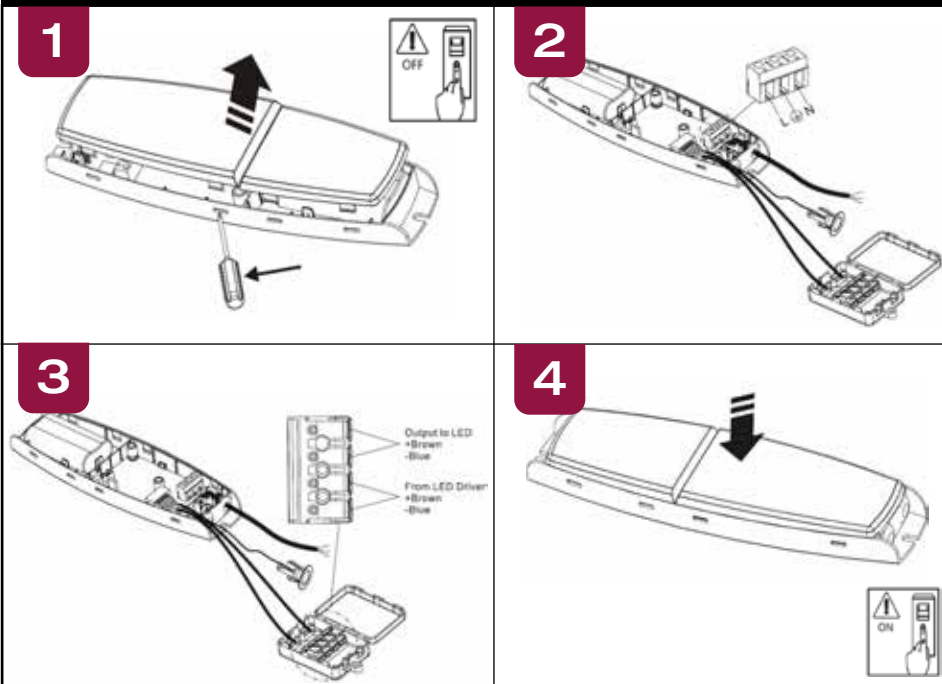
# Hawk Universal Lithium Emergency Kit

568



- Ultra-slim universal Self-test emergency convertor pack for LED luminaires
- Supplied c/w recessed LED indicator housing
- Ideal for most LED panels, Downlights and Linear products
- Compatible for LED luminaires with separate LED driver (Maximum 60V Forward Voltage)
- LiFePO4 Lithium battery provides improved energy consumption, product reliability and lifetime

## Wiring Diagram



Forward Voltage	18V	23V	28V	33V	38V	43V
Output Current	59mA	60mA	60mA	62mA	62mA	62mA
Output Wattage	1.06W	1.38W	1.68W	2.05W	2.36W	2.67W

Forward Voltage	48V	53V	54V	55V	56V	60V
Output Current	62mA	62mA	62mA	62mA	62mA	62mA
Output Wattage	2.98W	3.29W	3.35W	3.41W	3.47W	3.70W

Code	Description	Trade
AHUEMKIT/LI	Maintained/Non-maintained - Universal Emergency Pack	£82.50





# LED Emergency Lighting Pack



569

- Emergency lighting pack for use with LED lamps as follows:-

GU10 LED Lamps

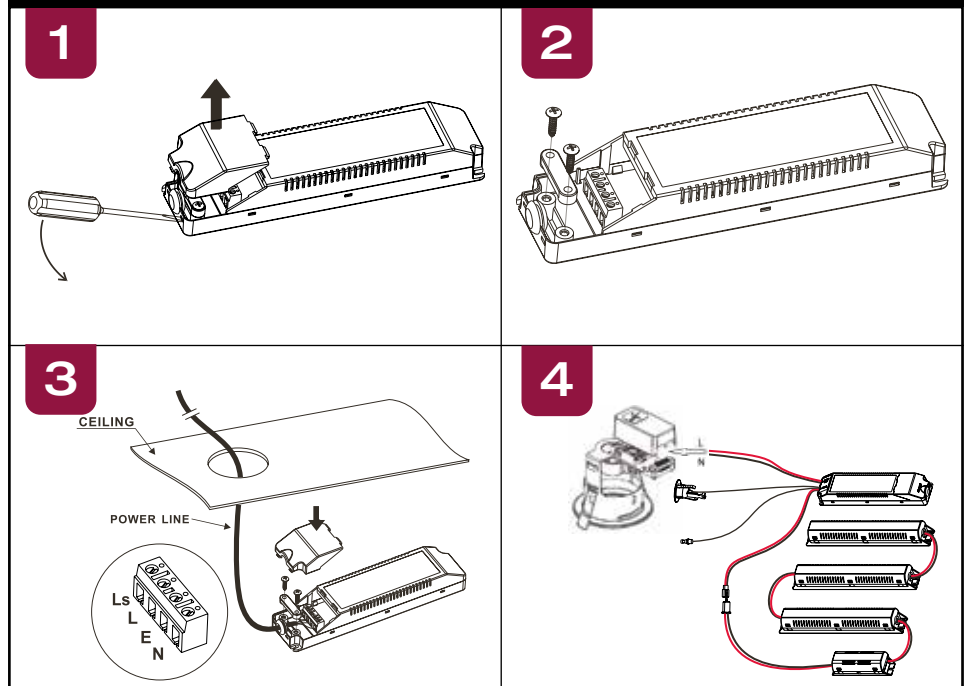
Minimum: 3W

Maximum: 8W

- 55mm cut-out aperture
- Will provide 3 hour duration



## Wiring Diagram



Code	Description	Trade
<b>ACFLP/3</b>	Maintained / Non-Maintained - CFL/LED	<b>£120.00</b>



Warrington: +44 (0) 1942 433333  
Belfast: +44 (0) 2890 773750

