





Project

*Coxmoor Golf Club -
Sutton-in-Ashfield, UK*



Guardian LED

p445

Emergency

443



IP65 Bulkheads

452



Exit Boxes

456



Suspended Edge

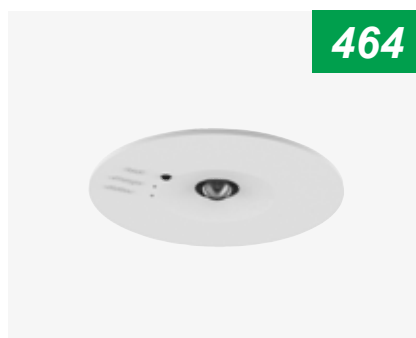
458



*IP65 Surface/Recessed
Edge*



Twin Spots



*LED Emergency
Downlights*



Panel Pod Emergency



Designed to
Deliver...

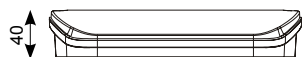
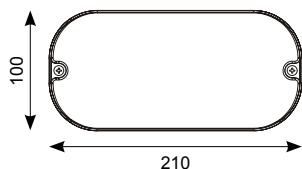
Swift LED Bulkhead

Supplied c/w Legend and Integral Driver



443

- 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 60m², 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	5.9	1.48	5.8	
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	2.35	6	1.98	6	
4	2.24	7.5	1.98	6	
6	2.24	5.9	1.98	5.79	

LED Information

Total (W)	3W
Lumens Delivered	
Emergency Mode	69lm
Standard Mode	163lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

Code	Lamp	Description
ASWTLED/3M	LED	3W Maintained / Non-Maintained
Accessory ASBP/1		3.6V 600mAh Ni-Cd Replacement Battery



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

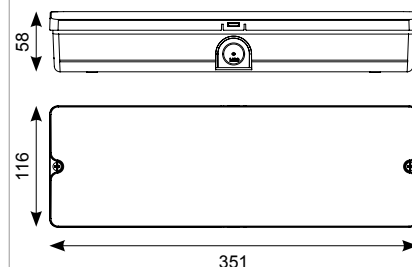


Monarch LED Lithium Bulkhead

Supplied with Legend and Integral Driver



- 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	1.9	5	1.8	5	
4	0.6	2.8	0.5	2.8	
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	2.2	5.5	2.2	5.5	
4	2.8	6	2.8	6	
6	1.5	6	1.5	6	

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

LED Information

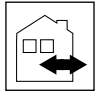
Total (W)	3W
Lumens Delivered	
Emergency Mode	119lm
Standard Mode	77lm
CCT	6000K
Input	220-240V
Hertz	50Hz
Operating Temp	5C° to 40C°



Guardian LED Bulkhead

Supplied c/w Legend and Integral Driver

- 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



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AGLED/KIT
With Guardian Installed



* 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 60m², 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	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

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
AGLED/3M	LED	3W Maintained / Non-Maintained

Accessories	AGLED/KIT	Semi-Recessing Kit - White
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	ASBP/2	3.6V 1500mAh Replacement Ni-Cd Battery
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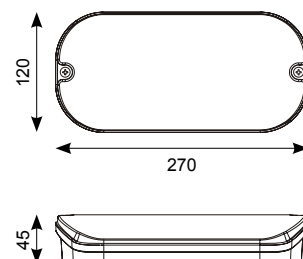


Kite LED Emergency Bulkhead

Supplied with Legend and Integral Driver



- 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 60m², 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)	4W
Lumens Delivered	
Emergency Mode	79lm
Standard Mode	182lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0°C to 40°C

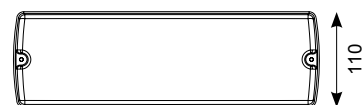
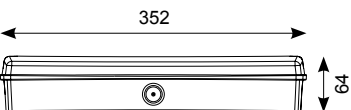
Code	Lamp	Description
Self-Test AKTLED/3M/ST	LED	4W Maintained / Non-Maintained
Accessory ASBP/1		3.6V 600mAh Ni-Cd Replacement Battery





Centurion LED Bulkhead

Supplied c/w Legend and Integral Driver



* 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 60m², 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

	Code	Lamp	Description
Self-Test	ACELED/3M/ST	LED	7W Maintained / Non-Maintained
Accessory	ASBP/2		3.6V 1500mAh Ni-Cd Replacement Battery

- 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

LED Information

Total (W)	7W
Lumens Delivered	
Emergency Mode	151lm
Standard Mode	254lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°



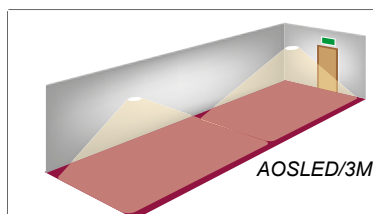
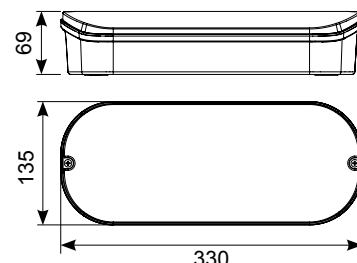


Osprey High Rack LED Bulkhead

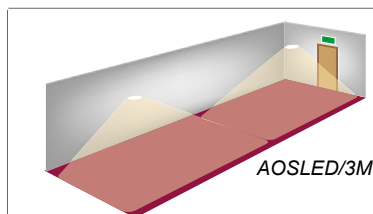
Supplied c/w Integral Driver



- 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 60m², 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	0°C to 40°C
Cold Store	-30°C to 5°C

	Code	Lamp	Description
Self-Test	AOSLED/3M/ST	LED	9W Maintained / Non-Maintained - Self-Test
Cold Store	AOSLED/3M/CS	LED	22W Maintained / Non-Maintained - Self-Test

Accessories	ASBP/15	4.8V 4Ah Ni-Cd Replacement Battery	
	ASBP/16	4.8V 4Ah Ni-Cd Replacement Battery (for use with Cold Store fitting)	

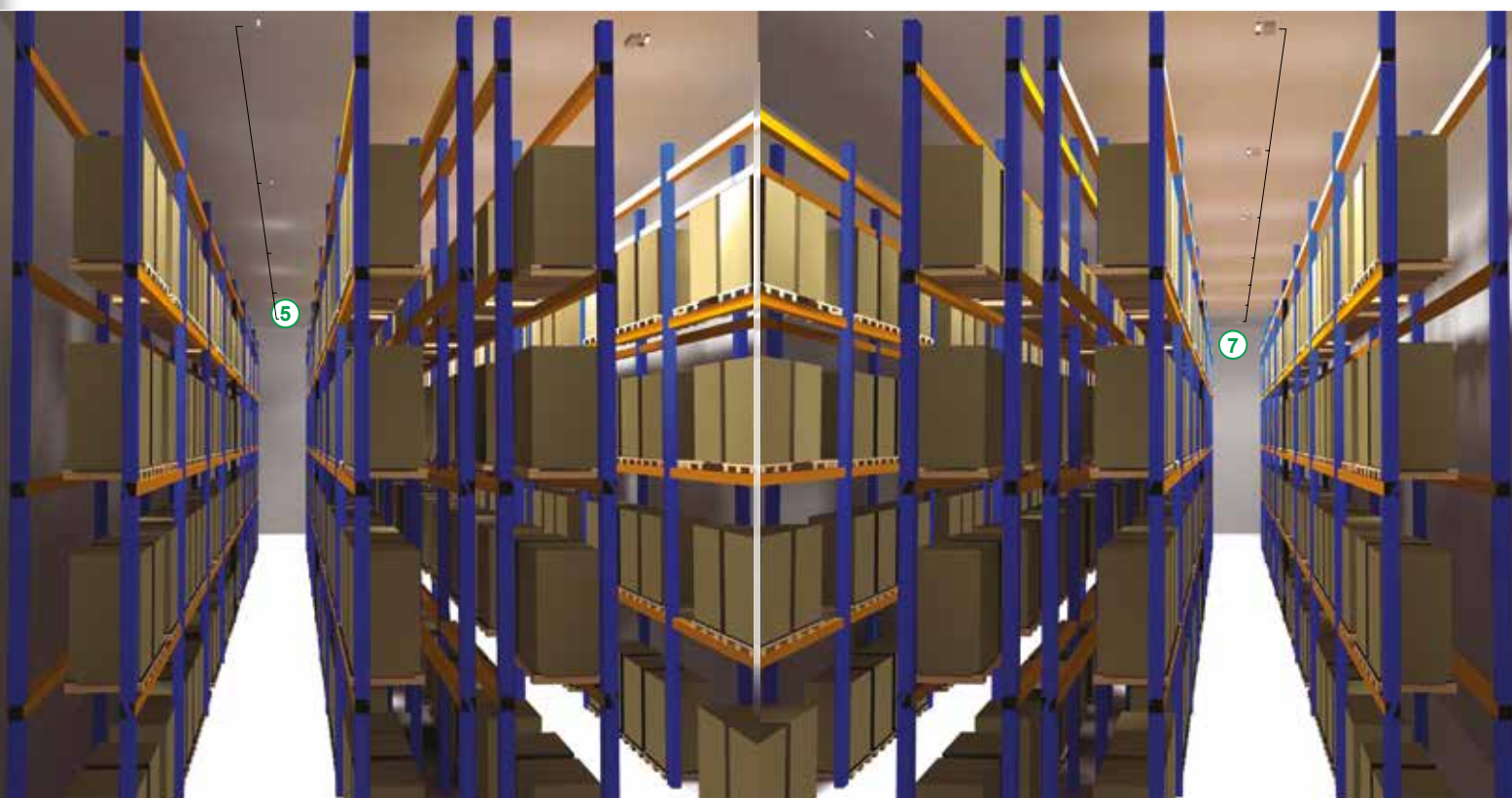


Osprey LED



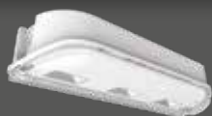
High Rack Bulkhead vs. Traditional Halogen Twin Spot

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



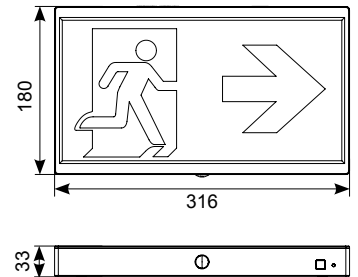
- ✓ Quick and easy installation
- ✓ Maintenance free
- ✓ Self-Test as standard
- ✓ Better spacing ratio for less fittings

EndLED Lithium Exit Sign

Supplied c/w Integral Driver and Legend



- 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
Self-Test	AENLED/LI/3M/ST	LED	4.5W - Maintained / Non-Maintained
Accessory	ASBP/18	3.2V 1500mAh Li-FePO4 Lithium Replacement Battery	

LED Information

Total (W)	4.5W
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

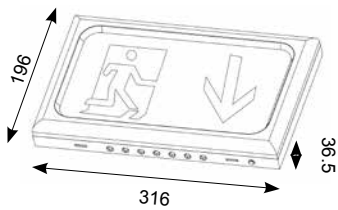


453

- 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	27lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°

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



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Belfast: +44 (0) 2890 773750

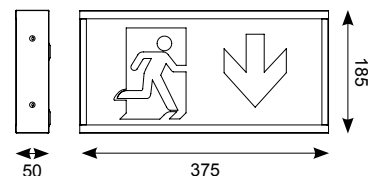


Watchman LED Lithium Exit Sign

Supplied c/w Legend and Integral Driver



- 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
Self-Test	AWLED/LI/3M/ST	LED	3.5W Maintained / Non-Maintained
Legends	AWLED/L/AD	Lithium Legend - Arrow Down	
	AWLED/L/AR	Lithium Legend - Arrow Right	
	AWLED/L/AL	Lithium Legend - Arrow Left	
	AWLED/L/AU	Lithium Legend - Arrow Up	
Battery	ASBP/18	3.2V 1500mAh Li-FePO4 Lithium Replacement Battery	

LED Information

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



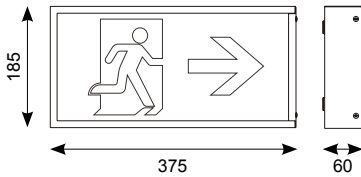
Watchman LED Exit Sign

Supplied c/w Legend and Integral Driver



455

- 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
	AWLED/3M	LED	3W Maintained / Non-Maintained
Legends	AG8/L/AD		Legend - Arrow Down
	AG8/L/AR		Legend - Arrow Right
	AG8/L/AL		Legend - Arrow Left
	AG8/L/AU		Legend - Arrow Up
Battery	ASBP/3		3.6V 1800mAh Ni-Cd Replacement Battery

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



Eagle 3-In-1 LED Exit Sign

Supplied c/w Integral Driver and Legend



AE3LED/3M/SI
Semi Recessed

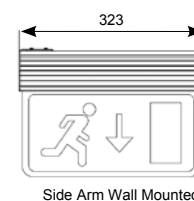
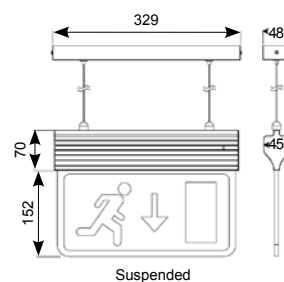
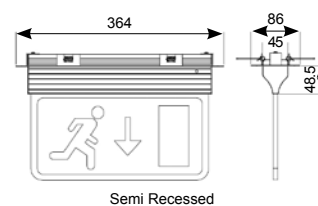
AE3LED/3M/W
Suspended



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



	Code	Lamp	Description
Standard	AE3LED/3M/W	LED	2.5W Maintained/Non-Maintained - White
	AE3LED/3M/SI	LED	2.5W Maintained/Non-Maintained - Silver

Self-Test	AE3LED/3M/W/ST	LED	2.5W Maintained/Non-Maintained - White
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Legends	AE3LED/ALAR	Double Sided Legend - Arrow Left and Right	
	AE3LED/L/AD	Double Sided Legend - Arrow Down	
	AE3LED/L/AU	Double Sided Legend - Arrow Up	

Battery	ASBP/4	3.6V 800mAh Replacement Ni-Cd Battery	
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LED Information

Total (W)	2.5W
Lumens Delivered	
Emergency mode	21lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°





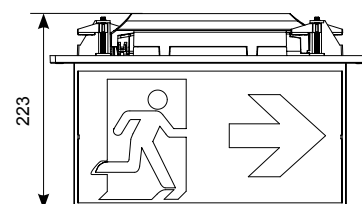
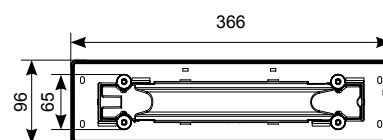
Project - Coxmoor Golf Club
Sutton-in-Ashfield, UK

Razzo LED Lithium Recessed Exit Sign

Supplied c/w Integral Driver and Legend



- Slim low profile recessed LED exit sign
- LiFePO4 Lithium battery provides improved energy consumption, product reliability and lifetime
- DALI emergency as standard
- Supplied c/w all legends
- If not connected to DALI network self-test mode operates automatically
- Viewing distance 24 metres



	Code	Lamp	Description
Self-Test	ARAZLED/LI/3M/DA	LED	4.5W Maintained / Non-Maintained
Battery	ASBP/19	6.4V 1500mAh LiFePO4 Lithium Replacement Battery	

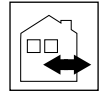
LED Information

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



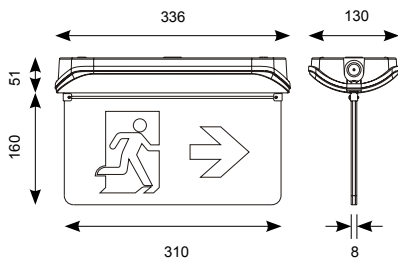
Harrier LED IP65 Blade Exit Sign

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



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- 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 60m², 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
Self-Test	AHARLED/3M/ST	LED	5W Maintained/Non-Maintained
Legends	AHARLED/ALAR		Harrier LED Double Sided Legend - Arrow Left and Right
	AHARLED/L/AD		Harrier LED Double Sided Legend - Arrow Down
	AHARLED/L/AU		Harrier LED Double Sided Legend - Arrow Up
Battery	ASBP/5		7.2V 1500mAh Ni-Cd Replacement Battery



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 Belfast: +44 (0) 2890 773750

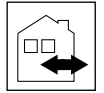




Project - The Liquor Store
Manchester, UK

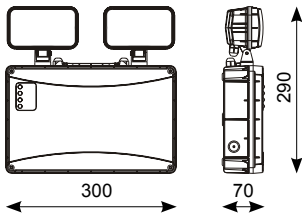
IP65 Owl LED Twin Spot

Supplied c/w Integral Driver



461

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



LED Information

Total (W)	5W
Lumens Delivered	
Emergency Mode	440lm
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0C° to 40C°



	Code	Lamp	Description
Self-Test	ATSLED/3NM/IP65/ST	LED	5W Non-Maintained
Battery	ASBP/6		3.6V 6Ah Ni-Cd Replacement Battery

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Belfast: +44 (0) 2890 773750

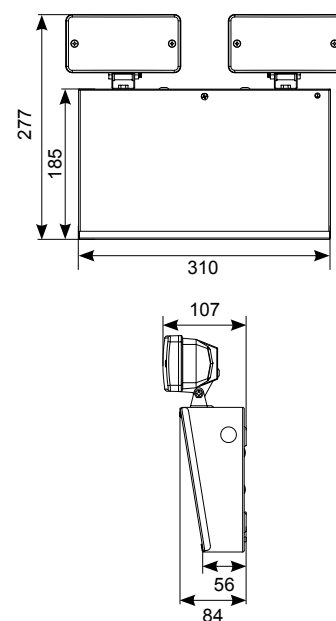


LED Twin Spot

Supplied c/w Integral Driver



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



Code	Lamp	Description
ATSLED/3NM	LED	3W Non-Maintained

Battery	ASBP/7	3.6V 4Ah Ni-Cd Replacement Battery
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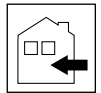
LED Information

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



Condor LED Twin Spot

Supplied c/w Integral Driver

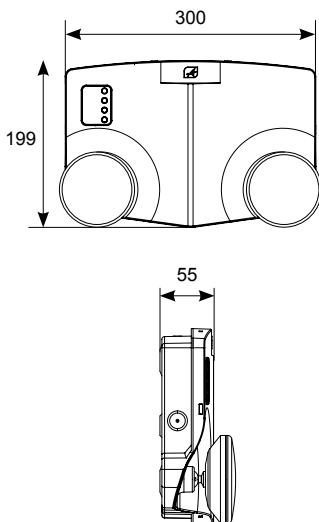


463

- 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
Self-Test	ACTSLED/W/3NM	LED	5W - White
Self-Test	ACTSLED/B/3NM	LED	5W - Black
ASBP/6		3.6V 6Ah Ni-Cd Replacement Battery	

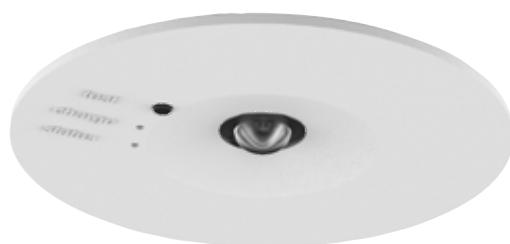


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Signal LED Pro Lithium Emergency Downlight

Supplied c/w Remote Driver and Battery Pack

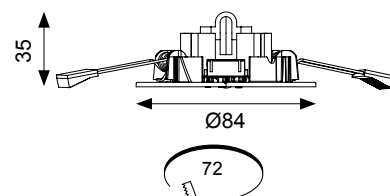


ASPRLED/LI/3M/DA
Open Area Lens



ASPRLED/LI/3M/DA
Escape Route Lens

- Compact LED Non-Maintained fixed downlight
- LiFePO4 Lithium battery provides enhanced product lifetime
- 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 60m², 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

LED Information

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

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

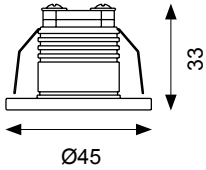
Accessory	ASBP/19	6.4V 1500mAh LiFePO4 Lithium Replacement Battery
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Signal LED Emergency Downlight

Supplied c/w Remote Driver and Battery Pack

- Economic and compact LED Non-Maintained fixed downlight
- White and black powder coat paint finish
- LED combines power and 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 60m², 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	137lm
ASLED/3NMB	107lm
Beam Angle	
ASLED/3NM	128°
ASLED/3NMB	115°
CCT	6500K
Input	230V
Hertz	50/60Hz
Operating Temp	0°C to 40°C



465



		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	ASLED/3NM	3	8.5	3	8.5	
4	ASLED/3NM	3	9	3	9	
2.5	ASLED/3NMB	2.7	7	2.7	7	
4	ASLED/3NMB	2.6	7.5	2.6	7.5	

		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	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/3NMB	3	6.3	3	6.3	
4	ASLED/3NMB	3	9	3	9	
6	ASLED/3NMB	3	10.5	3	10.5	

Code	Lamp	Description
ASLED/3NM	LED	1.5W Non-Maintained
ASLED/3NMB	LED	1.5W Non-Maintained - Black

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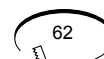
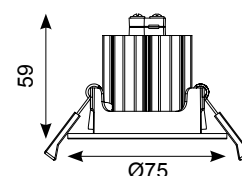


Beacon LED Emergency Fixed Downlight

Supplied c/w Remote Driver and Battery Pack



- 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) *					

	Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
	2.5	-	-	3	9.5
	4	-	-	3.3	11.5
	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	3.5	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 60m², 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
ABFLED/3NM	LED	5W Non-Maintained

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



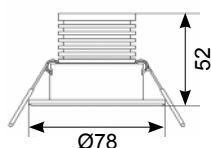
Beacon LED Emergency Adjustable Downlight

Supplied c/w Remote Driver and Battery Pack



467

- 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 60m², 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	2	5.25	2	5.25
	4	2.5	6.5	2.5	6.5
	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	2.25	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
ABLED/3NM	LED	5W Non-Maintained
Accessory	ASBP/9	3.6V 4.5Ah Ni-Cd Replacement Battery



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Raven LED Emergency Downlight

Supplied c/w Integral Driver and Battery Pack



Emergency downlight with integral inverter and battery pack

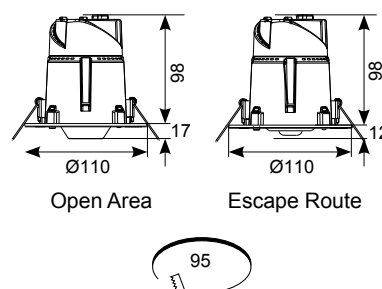


Escape Route



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 60m², 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	-	-	4	10
	4	-	-	3	11
	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	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
Self-Test	ARALED/ER/3NM/ST	LED	3W Non-Maintained - Escape Route
Self-Test	ARALED/OA/3NM/ST	LED	3W Non-Maintained - Open Area
Accessory	ASBP/14	3.2V 2600mA Li-FePO4 Lithium Replacement Battery	

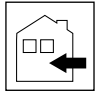
LED Information

Total (Watts)	3W
Lumens Delivered	
Emergency Mode	
Open Area	114lm
Escape Route	90lm
Beam Angle	
Open Area	43.3°
Escape Route	132°
CCT	6500K
Input	220/240V
Hertz	50/60Hz
Operating Temp	0C° to 40C°



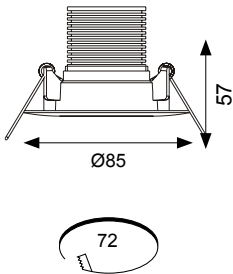
Merlin LED Emergency Downlight

Supplied c/w Remote Driver and Battery Pack



469

- 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



AMELED/OA/3NM/ST



AMELED/ER/3NM/ST/B

* 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 60m², 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	AMELED/ER/3NM/ST	-	-	5.5	14	
4	AMELED/ER/3NM/ST	-	-	7.5	19.6	
2.5	AMELED/ER/3NM/ST/B	-	-	5	14	
4	AMELED/ER/3NM/ST/B	-	-	7	19.5	

		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	AMELED/OA/3NM/ST	3	6.5	3	6.5	
4	AMELED/OA/3NM/ST	4	9.5	4	9.5	
6	AMELED/OA/3NM/ST	5	11.5	5	11.5	
2.5	AMELED/OA/3NM/ST/B	3	6	3	6	
4	AMELED/OA/3NM/ST/B	4	9	4	9	
6	AMELED/OA/3NM/ST/B	4.5	10	4.5	10	

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°	140°
CCT	6500K	
Input	230V	
Hertz	50/60Hz	
Operating Temp	0°C to 40°C	

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

Accessory	ASBP/9	3.6V 4.5Ah Ni-Cd Replacement Battery
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Project - Synecco
Galway, Ireland

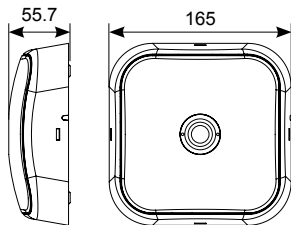
IP65 Falcon LED Surface Emergency Downlight

Supplied c/w Integral Driver and Battery Pack



471

- 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 60m², 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	140°	135°
CCT	6500K	
Input	230V	
Hertz	50/60Hz	
Operating Temp	0°C to 40°C	



AFALED/3NM/ST/IP65



AFALED/3NM/ST/IP65/B



Open Area Lens



Escape Route Lens

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

		Open (Anti-Panic) area (0.5 Lux Minimum)**				
		***	***	***	***	***
		Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
AFALED/OA/3NM/ST		2.5	2.5	5	2.5	5
		4	3.5	7.1	3.5	7.1
		6	4	9.8	4	9.8
AFALED/OA/3NM/ST/B		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
Self-Test	AFALED/3NM/ST/IP65	LED	3W Non-Maintained
Self-Test	AFALED/3NM/ST/IP65/B	LED	3W Non-Maintained - Black

Accessory	ASBP/10	3.6V 3Ah Ni-Cd Replacement Battery
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LED Panel Pod Emergency for Infinite and Endurance LED Panels



Top Housing View

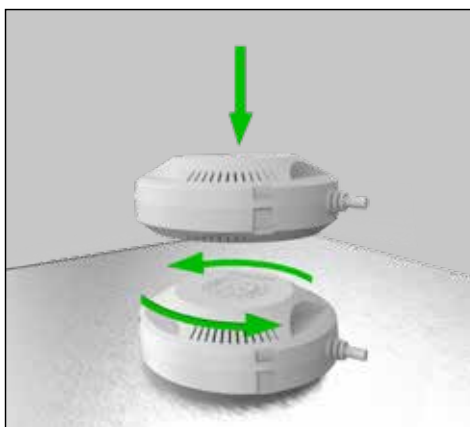


Bottom Housing View
showing Emergency LED



STEP 1

Unscrew coin plug from back of Ansell LED Panels

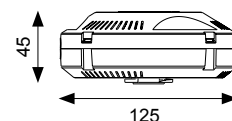


STEP 2

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

	Code	Lamp	Description
Self-Test	AIRMLD/POD/3NM/ST	LED	5W - Cool White
Accessory	ASBP/11	3.6V 4.5Ah Ni-Cd Replacement Battery	

- Integral emergency pod to convert any new Ansell Infinite LED and Endurance LED panel to emergency, instantly
- Simple, quick twist and lock fixing
- 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°





- Emergency lighting pack for use with LED and Mains GU10 CFL Lamps as follows:-

GU10 LED Lamps

Minimum: 3W

Maximum: 8W

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



ACFLP/3

Code	Description
ACFLP/3	Maintained / Non-Maintained - CFL/LED

