



Product Catalogue 2017/2018

Emergency Lighting LED

EDL5SR

5W LED M Recessed Open Area











- 5 watt white LED
- Maintained 3 hour emergency operation
- 3.6V 3000m Ah Ni-Cd battery
- Polycarb and aluminium construction
- 2 year warranty
- Dimensions Transformer housing (mm) 210(L) x 50 (dia)
Dimensions Lamp head (mm) 55 (H) x 84 (dia)
- 5 watt
- 347lm Lumen Output – Mains
- 318lm Lumen Output – Emergency

The perfect solution to the bulkhead when aesthetics are more important – wanting something a little brighter than the 1,2 or 3 watt version?

Offices / Hotels / Shops

PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux (Escape Routes)				0.5 Lux (Open Area)			
	Axial to Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 	Axial To Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 
2.0m	3.30	7.14	3.30	7.14	3.03	5.98	3.03	6.08
2.5m	3.89	8.49	3.89	8.49	3.50	7.00	3.50	7.10
3.0m	4.41	9.79	4.41	9.79	3.96	8.10	3.96	8.20
3.5m	4.86	10.88	4.86	10.88	4.35	9.14	4.35	9.24
4.0m	5.26	11.97	5.26	11.97	4.73	10.09	4.73	10.19
5.0m	5.75	13.89	5.75	13.89	5.41	12.07	5.41	12.17
6.0m	6.11 ³	15.22	6.11	15.22	5.88	13.81	5.88	13.91
7.0m	6.14	16.25	6.14	16.25	6.24	15.42	6.24	15.52
8.0m	5.55	17.01	5.55	17.01	6.51	16.92	6.51	17.02
9.0m	4.79	17.38	4.79	17.38	6.65	18.32	6.65	18.42
10m	3.79	17.39	3.79	17.39	6.65	19.50	6.65	19.60



Emergency Lighting LED

EDL5CR

5W LED M Recessed Corridor

- Polycarbonate enclosure
- IP20 rated
- Surface Mounted
- Manual self-test facility
- Non Maintained 3hrs emergency operation
- 3.6V 3Ah NI-CD batteries
- Push fit terminals
- White LED (1 x 3W)
- Dimensions (mm): 130(l) x 130 (w) x 45 (h)

The perfect emergency LED light. Typically used as an indoor escape route emergency light to help guide from a building.

Ideal for:

- Industrial and commercial premises
- Public buildings
- Offices
- Corridors



PHOTOMETRI

Height	1 Lux (Escape Routes)				0.5 Lux (Open Area)			
	Axial to Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse	Axial To Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse
2.0m	5.28	11.45	1.74	4.98	5.45	8.67	2.13	4.33
2.5m	6.19	13.55	1.80	5.13	6.52	10.66	2.25	4.96
3.0m	7.07	15.63	1.99	4.99	7.47	13.07	2.46	5.56
3.5m	7.77	17.55	2.19	5.09	8.25	16.19	2.68	6.28
4.0m	8.39	19.08	2.38	5.45	8.85	19.46	2.87	6.44
5.0m	9.02	22.20	2.66	6.25	9.81	22.88	3.24	6.68
6.0m	7.15	24.33	2.77	6.93	8.27	25.84	3.51	7.29
7.0m	5.72	25.52	2.69	7.44	6.95	27.64	3.53	7.81
8.0m	3.86	22.23	2.37	7.80	5.59	28.17	3.63	8.02
9.0m	2.08	18.16	1.67	7.83	4.51	28.46	3.72	8.15



Emergency Lighting LED

EDL3S

3W Surface Open Area LED











- Polycarbonate enclosure
- IP20 rated
- Surface Mounted
- Manual self-test facility
- Non Maintained 3hrs emergency operation
- 3.6V 3Ah NI-CD batteries
- 2 year warranty
- Push fit terminals
- White LED (1 x 3W)
- Dimensions (mm): 130(l) x 130 (w) x 45 (h)

The perfect emergency LED light. Typically used as an indoor escape route emergency light to help guide from a building. Ideal for:

- Industrial and commercial premises
- Public buildings
- Offices
- Corridors

PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux (Escape Routes)				0.5 Lux (Open Area)			
	Axial to Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 	Axial To Wall 	Axial to Axial 	Transverse to Wall 	Transverse Transverse 
2.0m	1.43	3.45	1.43	3.45	1.72	3.70	1.72	3.95
2.5m	1.56	3.84	1.56	3.84	1.86	3.85	1.86	4.10
3.0m	1.71	4.16	1.71	4.16	1.97	4.20	1.97	4.30
3.5m	1.86	4.42	1.86	4.42	2.06	4.49	2.06	4.59
4.0m	2.02	4.71	2.02	4.71	2.17	4.85	2.17	4.95
5.0m	2.25	5.32	2.25	5.32	2.38	5.12	2.38	5.22
6.0m	2.45	5.85	2.45	5.85	2.57	5.63	2.57	5.73
7.0m	2.65	6.31	2.65	6.31	2.73	6.12	2.73	6.22
8.0m	2.79	6.71	2.79	6.71	2.87	6.63	2.87	6.73
9.0m	2.92	7.09	2.92	7.09	3.01	7.04	3.01	7.14
10m	3.01	7.48	3.01	7.48	3.14	7.40	3.14	7.50



Emergency Lighting LED

EDL3C

3W Surface Corridor LED

- Polycarbonate enclosure
- IP20 Rated
- Surface mounted
- Manual self-test facility
- Non Maintained 3hrs emergency operation
- 3.6V 3Ah NI-CD batteries
- White LED (1 x 3W)
- Dimensions (mm): 130 (l) x 130 (w) x 45 (h)
- 2 year warranty



PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux (Escape Routes)				0.5 Lux (Open Area)			
	Axial to Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse	Axial To Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse
2.0m	5.01	11.3	1.34	3.27	5.17	9.15	1.74	3.53
2.5m	5.68	13.03	1.55	3.53	5.79	12.76	1.94	3.93
3.0m	6.15	14.67	1.75	3.93	6.22	14.36	2.13	4.13
3.5m	5.44	15.91	1.90	4.37	5.69	15.74	2.31	4.28
4.0m	4.64	16.96	2.02	4.76	4.87	17.13	2.40	4.59
5.0m	2.71	15.11	2.05	5.37	3.43	17.16	2.71	4.70
6.0m	1.11	12.11	1.75	5.79	2.12	15.20	3.05	4.35



Emergency Lighting LED

EDL2M

2W LED Downlight











- 2W white LED
- Maintained 3 hour emergency operation
- 3.6V 1.5Ah Ni-Cd battery
- Polycarbonate and aluminium construction
- 2 year warranty
- Dimensions PCB housing (mm): 233 (l) x 41 (dia)
- Dimensions battery housing (mm): 188 (l) x 41 (dia)
- Dimensions lamp head (mm): 53 (h) x 140 (dia)
- Lumen output 161lm

The perfect solution to the bulkhead when aesthetics are more important or if you need something a little brighter than the 1W version. Ideal for:

- Hotels
- Offices
- Shops

PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux (Escape Routes)				0.5 Lux (Open Area)			
	Axial to Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 	Axial To Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 
2.5m	3.47	8.66	3.44	8.79	3.64	4.91	3.61	5.01
3.0m	3.58	9.24	3.61	9.37	3.78	5.60	3.81	5.64
3.5m	3.75	9.64	3.69	9.77	3.97	6.09	3.91	6.12
4.0m	3.86	9.97	3.80	10.06	4.09	6.43	4.02	6.46
5.0m	3.57	10.40	3.63	10.45	4.19	6.95	4.26	6.98
6.0m	2.80	10.81	2.83	10.85	4.37	7.95	4.41	8.12
7.0m	1.78	10.22	1.94	10.36	3.90	12.81	4.22	12.68



Emergency Lighting LED

EDL1

1W LED Downlight

- 1W white LED
- Non maintained 3 hour emergency operation
- 3.6V 1.5Ah Ni-Cd battery
- Polycarbonate and aluminium construction
- 2 year warranty
- Dimensions PCB housing (mm): 222 (l) x 31 (dia)
- Dimensions battery housing (mm): 149 (l) x 31 (dia)
- Dimensions lamp head (mm): 26 (h) x 45 (dia)
- Lumen output 76lm

The perfect solution to the bulkhead when aesthetics are more important. Ideal for:

- Hotels
- Offices
- Shops



PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux (Escape Routes)				0.5 Lux (Open Area)			
	Axial to Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse	Axial To Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse
2.0m	2.65							
2.5m	2.83	7.11	2.90	7.18	2.99	4.50	3.06	4.70
3.0m	2.87	7.44	2.95	7.55	3.11	4.80	3.18	4.99
3.5m	2.81	7.78	2.86	7.88	3.25	4.99	3.30	5.29
4.0m	2.67	7.97	2.72	8.01	3.28	5.81	3.33	6.07
5.0m	1.99	7.68	2.05	7.72	3.18	7.95	3.25	8.27



Emergency Lighting LED

EBLED3

LED M Multifunction Bladelight

EXCLUSIVE



- White LED lamps
- Maintained 3 hour emergency operation
- 3.6V 800mAh Ni-Cd batteries
- Supplied c/w multi function fixing brackets
- Supplied c/w 6 interchangeable legend plates
- Polycarb body and diffuser
- Double sided
- 2 year warranty
- Dimensions (mm) 345(A) x 215(B)
- 2.5 Watt
- 35 Lumen Output – Emergency

Perfect solution when considering drop light options and ideal for Hotels.



Emergency Lighting LED

ERCLED Circular LED IP65 Bulkhead - Maintained









ERCLEDAC Circular LED IP65 Bulkhead - Mains

- White LED lamps
- 18W
- IP65 rated
- Maintained 3 hour emergency operation
- 3.6V 1.5Ah Ni-Cd batteries
- Hinged/removeable gear tray
- Push fit terminals
- Polycarbonate body and diffuser
- 2 year warranty
- Dimensions (mm): 343 (dia) x 106 (h)
- Lumen output 239lm
- Mains option available ref: ERCLEDAC

If you want something a little more decorative or if aesthetics are more important, this bulkhead solution is perfect. Mains AC version available as an amenity style preference.



PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux (Escape Routes)				0.5 Lux (Open Area)			
	Axial to Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse	Axial To Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse
								
2.0m	2.70	6.86	2.70	6.86	2.92	7.14	2.92	7.24
2.5m	2.85	7.41	2.85	7.41	3.12	7.85	3.12	7.95
3.0m	2.90	7.75	2.90	7.75	3.24	8.44	3.24	8.54
3.5m	2.86	8.05	2.86	8.05	3.35	8.99	3.35	9.09
4.0m	2.72	8.14	2.72	8.14	3.38	9.41	3.38	9.51
5.0m	2.15	8.03	2.15	8.03	3.34	10.20	3.34	10.30



Emergency Lighting LED

ERTSLEDIP LED IP65 Twinspot



- White LED lamps
- 5W
- IP65 rated
- Non-maintained 3 hour emergency operation
- 6V 7Ah lead acid battery
- Supplied c/w carry handle
- Push fit terminals
- Polycarbonate body and adjustable heads
- 2 year warranty
- Dimensions (mm): 300 (l) x 70 (w) x 294 (h)
- Lumen output 442lm

A great addition to the twinspace family. The IP65 weatherproof LED option to the already successful standard halogen offering. Ideal for:

- Food preparation areas
- Wash down areas
- Manufacturing
- Large open office space
- Warehousing
- Stairwells



Emergency Lighting LED

ERTSLEDIPS

LED Twinspot IP65 c/w Remote Test



- White LED lamps
- IP65 rated
- Non-maintained 3 hours emergency operation
- 6v 7aH lead acid batteries
- Supplied c/w carry handle
- Infra Red test function option
- Additional remotes available – order ref: ERTSR
- Push fit terminals
- Polycarbonate body and adjustable heads
- 2 year warranty

- Dimensions (mm): 300(L) x 70(W) x 294(H)
- 5.1 watt
- 441 lumen

A great addition to the twinspot family.

- Food preparation areas - Large open office space
- Wash down areas - Warehousing
- Manufacturing - Stairwells



Emergency Lighting LED

ERTSLED LED Twinspot



- White LED lamps
- 9.2W
- IP20 rated
- Non maintained 3 hours emergency operation
- 12V 7Ah Lead acid batteries
- Supplied c/w carry handle
- Push fit terminals
- Steel enclosure and polycarbonate heads
- 2 year warranty
- Dimensions (mm): 305 (l) x 70 (w) x 306 (h)
- Lumen output 418lm

A great addition to the twinspace family. The perfect LED option to the already successful standard halogen offering. Ideal for:

- Manufacturing
- Large open office space
- Warehousing
- Stairwells



Emergency Lighting LED

ERLED3









LED Bulkhead c/w Legend

- Switchable Maintained Operation
- IP65
- 170lm Lumen Output – Mains
- 86lm Lumen Output – Emergency
- Hinged Gear tray
- 3 Hour Emergency Operation
- 14 pcs LED
- 3.8 Watt
- 6000K
- Dimensions 278mm (L) x 110mm (W) x 60mm (H)
- 2 Year Warranty

The modern day cost effective energy efficient solution to fluorescent emergency lighting.



PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux (Escape Routes)				0.5 Lux (Open Area)			
	Axial to Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 	Axial To Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 
2.0m	2.61	5.99	2.40	6.89	2.79	4.63	2.61	6.24
2.5m	2.68	6.82	2.29	6.23	2.81	6.30	2.47	7.77
3.0m	2.41	7.41	1.99	6.99	3.07	5.22	2.62	6.09
3.5m	2.59	7.67	2.17	6.25	3.05	5.57	2.63	5.23
4.0m	2.62	6.83	1.80	5.32	3.08	7.91	2.27	7.39
5.0m	1.77	7.47	1.22	6.07	3.38	8.06	2.49	6.97
6.0m	0.79	6.12	0.13	5.25	3.92	7.62	1.07	6.36



Emergency Lighting LED

ERLED

LED Maintained Bulkhead



ERLED Dimensions: A: 346mm B: 105mm C: 78mm

- White LED lamps
- 1.2W
- IP65 rated
- Maintained 3 hour emergency operation
- Hi-temp Ni-Cd batteries
- Hinged/removable gear tray
- Push fit terminals
- Polycarbonate enclosure
- 2 year warranty
- Dimensions (mm): 346 (l) x 105 (w) x 78 (h)
- Lumen output 102lm

The perfect energy saving solution to our fluorescent bulkhead range.

PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux (Escape Routes)				0.5 Lux (Open Area)			
	Axial to Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse	Axial To Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse
2.0m	1.85	4.75	2.54	7.46	2.42	4.58	3.14	7.07
2.5m	1.85	5.07	2.57	7.01	2.53	5.46	3.32	9.15
3.0m	1.75	5.24	2.45	7.38	2.56	5.85	3.38	8.36
3.5m	1.58	5.23	2.41	7.22	2.50	6.99	3.56	9.60
4.0m	1.26	5.17	2.29	7.21	2.24	7.20	3.65	10.01



Emergency Lighting LED

EBXLED

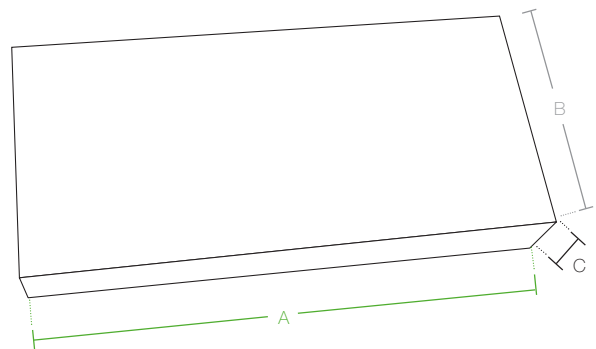
LED Maintained Exit Box



- White LED lamps
- 1.2W
- IP20 rated
- Maintained 3 hour emergency operation
- Hi-temp Ni-Cd batteries
- Removable gear tray
- Push fit terminals
- Supplied c/w euro legend
- Steel enclosure
- 2 year warranty
- Dimensions (mm): 390 (l) x 190 (w) x 60 (h)
- Lumen output 102lm

The perfect energy saving solution to our fluorescent exit box range. Typically used as an indoor escape route emergency light to help guide from a building. Ideal for:

- Industrial and commercial premises
- Public buildings
- Offices
- Corridors
- Offices
- Corridors



EBX82 Dimensions: A: 390mm B: 190mm C: 60mm



Emergency Lighting Spares

EDL5SR



Lightsafe Legend Down Plate to suit the EBX82/EBXLED

EBXLU



Lightsafe Legend Up Plate to suit the EBX82/EBXLED

EBXLL



Lightsafe Legend Left Plate to suit the EBX82/EBXLED

EBXLR



Lightsafe Legend Right Plate to suit the EBX82/EBXLED.

ERML1



Lightsafe Self-Adhesive Multi-Legend Pack - small.
For use with ER8 and ERLED bulkheads

ERML2



Lightsafe Self-Adhesive Multi-Legend Pack - large.
For use with EDLED


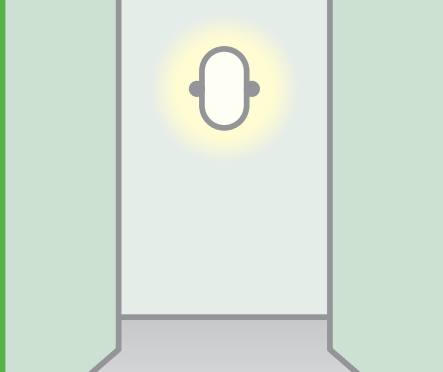
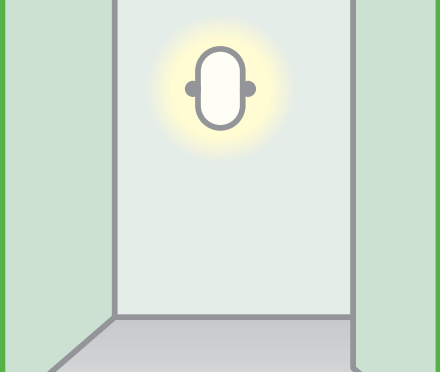
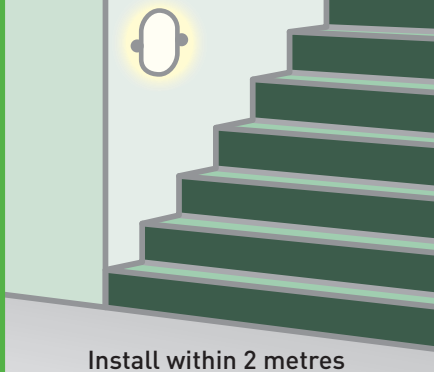


Siting of Emergency Luminaries

Upon mains failure the main purpose of emergency lighting is to guide people to a place of safety by illuminating the way and if necessary highlight any potential hazards that may need to be encountered on the way.

Any fire fighting equipment that may be found, and or used must also be taken into consideration and illuminated appropriately.

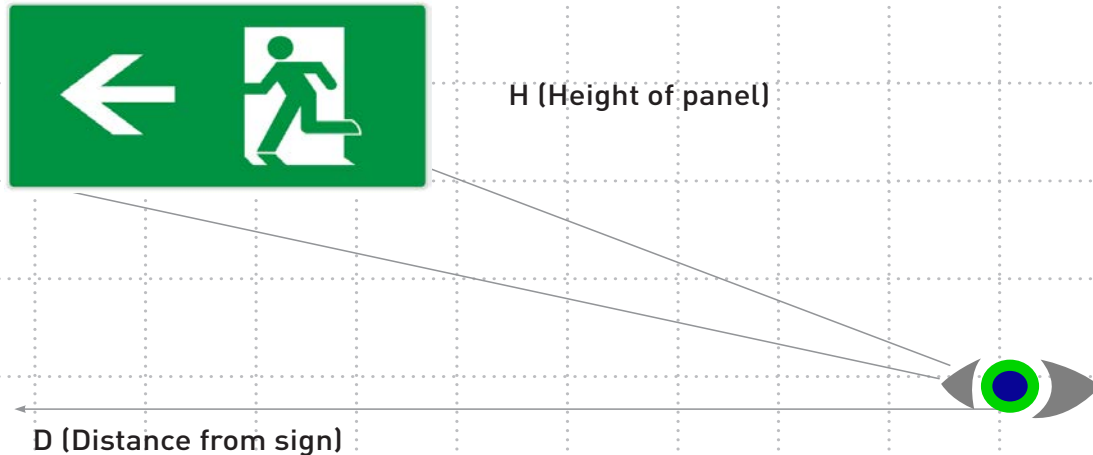
As a result when designing an emergency lighting escape system BS5266-1: 2016 recommends you should identify all points along any route to the final escape exit.

TYPICAL EXAMPLES WOULD BE:

<p>FINAL EXIT</p>  <p>To provide illumination of escape routes.</p>	<p>JUNCTIONS</p>  <p>Install within 2 metres of escape route junctions.</p>	<p>CORRIDORS</p>  <p>Install within 2 metres horizontal distance of a change in an escape route.</p>
<p>STAIRWAYS</p>  <p>Install within 2 metres horizontal distance of change in floor level or stairs (each tread to receive direct light).</p>	<p>ALARM AREAS</p>  <p>Fire alarms, first aid points and fire-fighting equipment, install within 2 metres horizontal distance.</p>	<p>FINAL EXIT</p>  <p>Install externally within 2 metres horizontal distance of any final exits. Please note that sufficient light will be needed to muster a roll call.</p>

Exit sign viewing distance examples

BS 5266pt 7 / EN 1838 5.6



Internally illuminated Maximum D less than - 200 x H
Externally illuminated Maximum D less than 100 x H

ISO7010 Sign Legislation

The standardisation of safety signs across the EU were introduced in 2011. The standard used for emergency lighting (BS 5266-1: 2016) recommends that the format should be displayed clear and unambiguous in an emergency condition.

ISO7010: 2012 + A'6:2016

ISO7010:2012 is the standard for graphical symbols, safety colours and safety signs (replacing BS5499-5: 2002) specifying the symbols that should be shown on the most commonly used safety signs. The reason for the change is to standardise the format of safety signs so that even if you cannot understand the text (where used) a fire exit style sign in the U.K. will look the same as one used in another European Country.

The subtle difference between BS5499 and EN7010 as below:

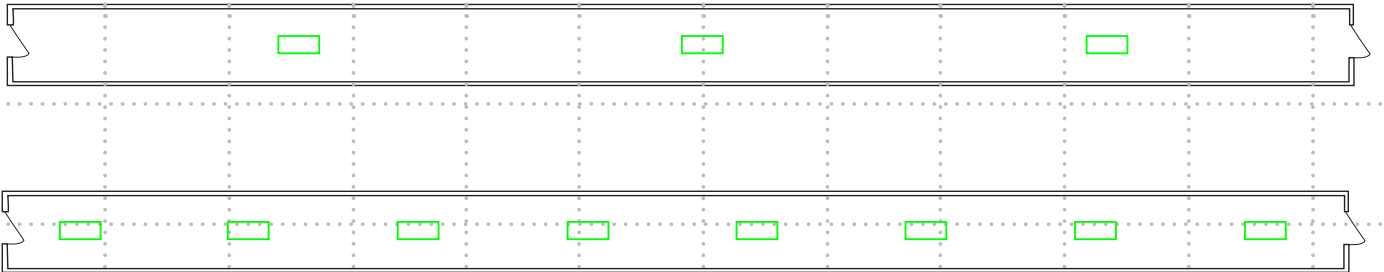
- BS5499 – showing a man running towards a doorway
- ISO7010 – depicts a running man in a doorway

When using exit signs in all new emergency lighting systems it is recommended to maintain the consistency and therefore the format should not be mixed thus avoiding confusion.

Whilst there are other parts within the safety sign legislations which allow for supplementary text and / or diagonal arrows for stairs up or down, initially almost all escape route scenarios can be clearly indicated using pictogram signs conveying 'straight on', 'go left' or 'go right'.

New Technology CAD example comparison vs the typical LED Bulkhead option

Lightsafe EDL3C - Example 1 using a corridor 30mts





light safe
emergency lighting systems

10 Sandersons Way, Marton, Blackpool, FY4 4NB

Tel - General: 01253 699500 **Tel - Technical Helpline:** 01253 760800

Fax: 01253 699550 **Email:** enquiries.firesafe@adivision.co.uk **Web:** www.firesafe.co.uk

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