

Read these instructions before installation and retain for future reference. This equipment should be installed by a competent electrician



Important Information

We recommend that luminaires are installed by a qualified electrician ensuring the installation complies with current IEE wiring regulations BS7671:2018 & local building control.

- All tests should be carried out in accordance to EN 50172:2004.
- BELL will not accept responsibility for any claims arising from a poor installation.
- The light source of this luminaire is not replaceable: when the light source reaches end of life, the whole luminaire must be replaced.
- Not suitable for petrochemical installations.
- Upgrading of MCB may be necessary
- 1 year warranty on battery

Warning Before installation ensure power is disconnected.

- You are advised to test 5 samples before mass application of sensor in a new lighting project. The distance between any inductive sensors should be greater than 3m.
- Microwave maximum operating height 3.2m
- Operating Temperature -30°C to +35°C, emergency versions 0°C to +35°C

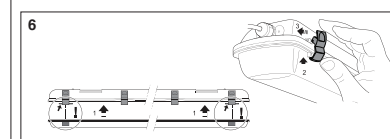
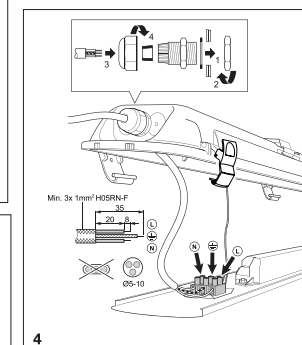
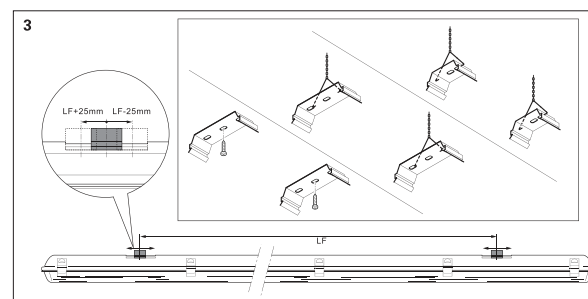
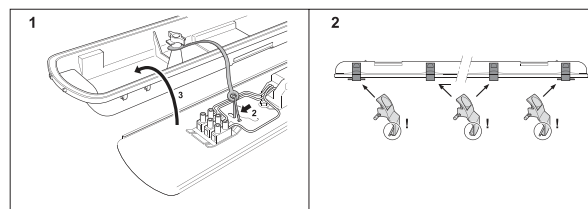
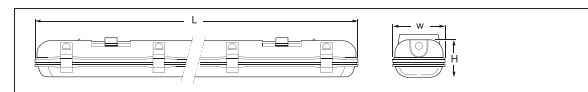
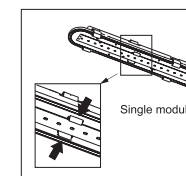
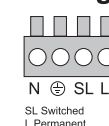
This product may contain substances that can be hazardous to the environment if not disposed of properly. Electrical and electronic equipment should never be disposed of with general household waste but must be separated for its correct treatment and recovery. Where possible recycle your packaging.



Power	Voltage	CCT	CRT	lm	LED light Specification Source	L (mm)	W (mm)	H (mm)
10W	220-240 50/60Hz	4000	80	1200	SMD2835	653	93	90
20W	220-240 50/60Hz	4000	80	2400	SMD2835	653	133	90
20W	220-240 50/60Hz	4000	80	2400	SMD2835	1263	90	90
40W	220-240 50/60Hz	4000	80	4600	SMD2835	1263	125	90
25W	220-240 50/60Hz	4000	80	3000	SMD2835	1536	90	90
52W	220-240 50/60Hz	4000	80	6000	SMD2835	1536	125	90
28W	220-240 50/60Hz	4000	80	3360	SMD2835	1828	90	90
60W	220-240 50/60Hz	4000	80	6900	SMD2835	1828	125	90

IP65 CE

Emergency



Technical Helpline +44 (0)1924 893380

www.belllighting.co.uk

British Electric Lamps Ltd
Unit A Foxbridge Way, Normanton Industrial Estate
Normanton, West Yorkshire. WF6 1TN

T: +44 (0)1924 893380 F: +44 (0)1924 894320 E: sales@belllighting.co.uk

www.belllighting.co.uk

Testing & Commissioning for Emergency Luminaire

- Ensure the Load is connected.
- Connect the battery.
- Switch on the Unswitched Supply
 - Check the Charge LED illuminates.
- Switch on the Maintained Supply
 - Check the LED illuminates as normal.
- Switch off the Maintained Supply.
- Switch off the Unswitched Supply
 - Check the Charge LED extinguishes and the load LED illuminates at a reduced output.
- Enter the commissioning date on the Battery Pack.
- Switch on the Unswitched Supply

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

On/Off

Detection range setting (sensitivity)

Detection range is the term used to describe the radius of the more or less circular detection zone produced on the ground after mounting the sensor light at a height of 2.5m. Put the switch to the ON position as "1", put switch to the OFF position as "0", switch location and detection range of the corresponding table is as follows:

S1	S2	
ON	ON	
1	2	
SENS: S1, S2		
S1	S2	detection range
0	0	2m
0	1	5m
1	0	8m
1	1	10m

Maximum mounting height for Sensor versions 3.2M

Note: The above detection range is gained if the detected person is between 1.6m~1.7m tall and moves at a speed of 1.0~1.5m/second. If the subjects size is different and speed changes, the detection distance will also change.

Attention: When using this product, please adjust the sensitivity to an appropriate position, please do not adjust the sensitivity to maximum, in case the product works abnormally because of motion detection including blowing leaves & curtains, small animals, or even power grid & electrical equipment. All of the above can lead to abnormal operation. When the product does not work normally, please try to turn down the sensitivity, and then test it.

Time Setting: The light can be set to stay ON for any period of time between approx. 10sec and a maximum of 30min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for the detection zone and for performing the walk test. Put switch to the ON position as "1", put switch to the OFF position as "0", switch location and detection range of the corresponding table is as follows:

S3	S4	S5	TIME
0	0	00	10s
0	0	1	1min
0	1	0	5min
0	1	1	10min
1	0	0	15min
1	0	1	20min
1	1	0	25min
1	1	1	30min

Note: After the light switches OFF, it takes approx. 4 seconds before it is able to start detecting movement again. The light will only switch on in response to movement once this period has elapsed.

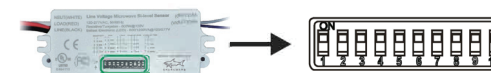
Light control settings: The chosen light response threshold can be set from approx. 10-500lux, put switch to the ON position as "1", put switch to the OFF position as "0", switch location and light-control of the corresponding table is as follows:

S6	S7	S8	LUX
0	0	0	24H
0	0	1	10LUX
0	1	0	20LUX
0	1	1	50LUX
1	0	0	100LUX
1	0	1	200LUX
1	1	0	300LUX
1	1	1	500LUX

Corridor Dim

PARAMETER SETTING BY DIP SWITCH

Consider the picture: 1, 2 set sensitivity; 3, 4 set hold time; 5, 6 set the lux; 7, 8 stand-by light level; 9, 10 set stand-by time;



Detection Range Setting (sensitivity)

Detection range is the term used to describe the radii of the circular detection zone produced on the ground after mounting the sensor light at a height of 3m, put the switch to the ON position as "1", put the switch to the OFF position as "0", switch location and detection range of the corresponding table is as follows:

ON	OFF	SENSITIVITY
1	2	
1	2	20%
1	2	50%
1	2	75%
1	2	100%

Hold Time Setting

The light can be set to stay ON for any period of time between 10sec and a maximum of 15min. Any movement detected before this time elapse will re-start the timer.

Put the switch to the ON position as "1", put the switch to the OFF position as "0", switch location and hold time of the corresponding table is as follows:

ON	OFF	TIME
3	4	
3	4	10s
3	4	1min
3	4	5Min
3	4	15Min

Light-control Setting

The chosen light response threshold can be infinitely or 10-50lux, put the switch to the ON position as "1", put the switch to the OFF position as "0", switch location and light-control of the corresponding table is as follows:

ON	OFF	LIGHT
5	6	
5	6	(light sensor disable)
5	6	10Lux
5	6	30Lux
5	6	50Lux

Stand-by Light Level Setting

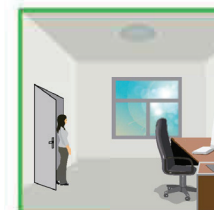
Switch to the on is "1", switch to the off is "0"; The corresponding file of switch location and stand-by level below:

ON	OFF	STAND-BY LEVEL
7	8	
7	8	0%
7	8	10%
7	8	30%
7	8	50%

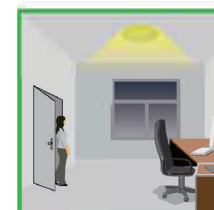
Stand-by Time Setting

Switch to the on is "1", switch to the off is "0"; File of switch location and stand-by time setting as follow:

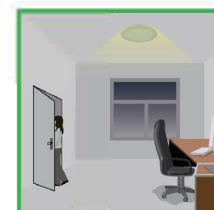
ON	OFF	STAND-BY TIME
9	10	
9	10	+∞
9	10	1Min
9	10	30Min
9	10	60Min



With sufficient natural light, the light does not switch on when presence detected.



With insufficient natural light, the sensor switches on the light automatically when person enters the (options) standby level after the room. The lamp never switch off with presence, even the nature light is sufficient.



People left, light still dims to 0/10%/20%/30% (options) standby level after the hold time.



Light switches off automatically after the dimming time elapsed.

Technical Helpline +44 (0)1924 893380

www.belllighting.co.uk

British Electric Lamps Ltd, Unit A Foxbridge Way
Normanton Ind Est, Normanton, West Yorkshire. WF6 1TN

T: +44 (0)1924 893380 F: +44 (0)1924 894320 E: sales@belllighting.co.uk