

Installation & Wiring Instructions For 'Steon' Branded Luminaires

IMPORTANT: Please read these instructions carefully before proceeding with installation.

This luminaire has been tested and manufactured to comply with BS EN 60598 specification for general requirements and tests. It should be installed by a suitably qualified person in accordance with the current I.E.T. wiring regulations (BS 7671), with consideration given to the latest building regulations and relevant legislation.

This luminaire should NOT be modified. Any modification may render this product unsafe and will invalidate its safety/approval marks. We will not accept responsibility for any damage caused as a result of its modification.

It is the installer's responsibility to consider fire & safety risk assessment and take appropriate precautions.

Ensure a copy of this leaflet is retained by the person responsible for the operation and maintenance of the luminaires.

Section 1

1.1 Before commencing any installation or maintenance work, ensure electricity is switched off at the mains.

1.2 Check rating label for voltage & frequency prior to connection.

1.3 The luminaire is designed to operate in an average ambient temperature ranging between: 0°C / +25°C.

1.4 Ensure that ALL electrical connections are secure with no loose copper strands.

Section 2

2.1 This luminaire is designed to operate at a supply voltage of: 220 – 250 V – 50Hz

2.2 Connection of this luminaire

Non Emergency

L = Live (Brown)
E = Earth (Green/Yellow)
N = Neutral (Blue)

Emergency

LS = Switched Live
E = Earth (Green/Yellow)
N = Neutral (Blue)
L = Unswitched Live – Emergency only

For MIC systems see connections overleaf.


Section 3

3.1 Luminaire Classification – Class 1 

The luminaire is insulated and earthed. If the insulation protection ceases to be effective, accessible metal parts of the fitting will be protected by the earth.

3.2 F Mark 

Luminaire suitable for direct mounting on combustible/flammable surfaces.

3.3 IP65 rating 

Protected against low pressure jets from all directions – limited ingress.

Section 4

Emergency Lighting

4.1 Installation duration test – If on the initial duration test, the full duration period is not achieved, the 24 hour charge and 1 or 3 hours discharge should be repeated as the batteries may have been held in stock for some time, in a discharged condition and therefore require “conditioning” so as to commence normal operations.

Summary

- Check LED is working – daily.
- Functional test once per month (less than 25% duration).
- 1 hour test once every six months.
- Full duration test every twelve months.

4.2 BS5266 and Fire Safety Legislation –

The emergency lighting code of practice BS5266 and fire safety legislation under Section 7 (testing, maintenance and record keeping), require that ‘Responsible Persons’ must test their emergency lighting systems regularly and record the results. This includes monthly and annual testing of every luminaire, with central battery system indicators being visually inspected daily. All self contained emergency lighting must be functionally tested for 5/10 minutes minimum every month and tested for full rated duration of typically three hours at least every year.

4.3 This luminaire is a maintained operation with a three hour duration.

Section 5

Environmental Protection (W.E.E.E.)

Waste Electrical & Electronic Equipment Regulations (WEEE) require that any of our products showing this marking must not be disposed of with other household or commercial waste.

Lamps & Lighting have discharged its WEEE responsibilities via membership of the Lumicom Producer Compliance Scheme, representing the interests of companies in the B2B professional sector of the lighting industry. Its speciality is non-household luminaires but it will take care of Lamps & Lighting's responsibilities in respect of all categories of B2B electrical equipment.

Lamps & Lighting and Lumicom are not responsible for mixed waste or discarded luminaires, when they are replaced by non-members luminaires. Disposers are advised to visit the Lumicom interactive website – www.lumicom.co.uk where arrangements for disposal can be made. Lamps & Lighting WEEE producer registration number:

WEEE/BB0208WQ

Section 6

Spares

A full set of spares is available for Steon luminaires – spares@steon.com

Section 7

7.1 The luminaire LED has a 3 year guarantee and can be extended to 5 years by registering the project at www.steon.com/guarantee/projectregistration. All other components have a 2 year guarantee.

7.2 The guarantee will be invalid if incorrectly installed and maintained as per the instruction leaflet. We reserve the right to change specifications without prior notification or public announcement. For more information visit: www.steon.com



Alley Pack LED



Installation Instructions & MIC 1/2 & 3 Set-Up Guide

www.steon.com

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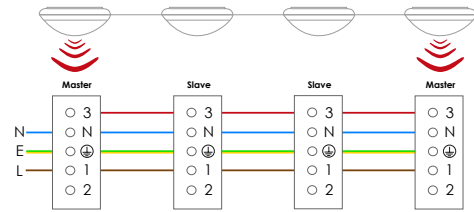
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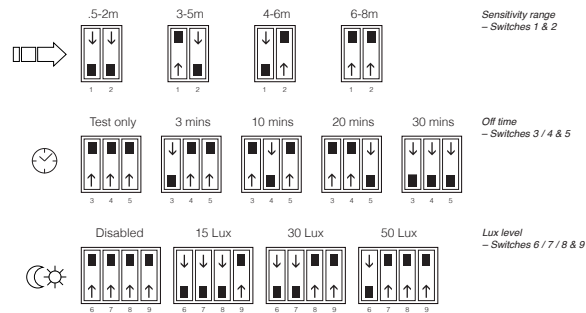
All the Alley Pack LED luminaires are available with integrated energy saving MIC controls.

The diagrams for wiring and set-up are shown below –

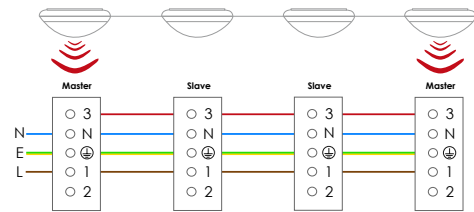
MIC 1 - Installation and Sensor Set-Up Guide



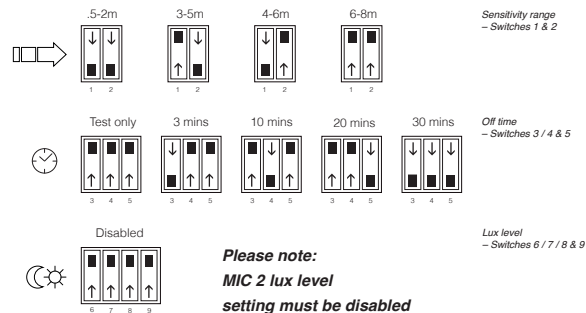
NB. Circuit maximum load: 600VA (inductive load)



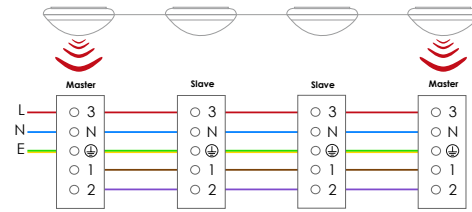
MIC 2 - Installation and Sensor Set-Up Guide



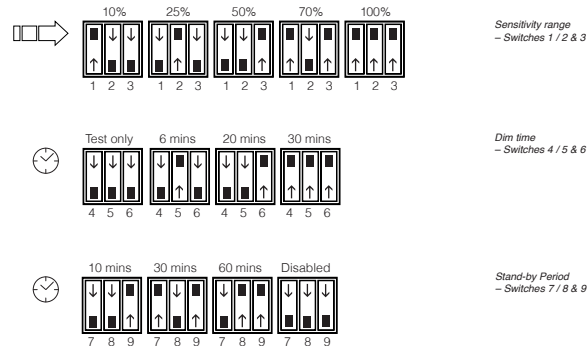
NB. Circuit maximum load: 600VA (inductive load)



MIC 3 - Installation and Sensor Set-Up Guide



NB. Circuit maximum load: 600VA (inductive load)



IMPORTANT – Ensure MIC systems are not mixed.

MIC 1

Important – The test only – ‘DIP’ switch setting must be used for test purposes only; if left in this position, it will cause premature component failure and invalidate any warranty.

Recommended settings – Infrequent use (3-10 mins) 4-15 switching functions per day, frequent use (10-20 mins) 15-30+ switching functions per day. When installing more than 1 masters, DO NOT USE the maximum sensitivity as this will cause the sensors to conflict.

MIC 2 & 3

Important The iLite LED driver is preset at factory with the correct current settings and night-light dim setting for optimum LED performance. Altering these settings will invalidate the guarantee. The test only – ‘DIP’ switch setting must be used for test purposes only; if left in this position, it will cause premature component failure.

Recommended settings – Infrequent use (3-10 mins) 4-15 switching functions per day, frequent use (10-20 mins) 15-30+ switching functions per day. When installing more than 1 masters, DO NOT USE the maximum sensitivity as this will cause the sensors to conflict.

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Troubleshooting

Malfunction	Cause	Solution
Presence detector will not work despite movement.	Mains switched off Lux level indicating sufficient natural light Sensitivity level set too low	Switch mains on No action required Increase sensitivity level
Light always on	Incorrect mains wiring to terminal block Sensitivity level set too high Movement indicated behind walls / windows etc Standby time on disable Time setting too high	Check mains wiring is correct Reduce sensitivity level Reduce sensitivity levels Re-set to duration required Reduce time setting to required level
Light comes on intermittently with no evidence of visible movement.	Movement indicated behind walls / windows / lifts etc Sensitivity too high	Reduce sensitivity level Reduce sensitivity level
Light level staying on dim and will not increase	Lux level on incorrect setting	Alter lux level to 2000 lux or disable
Light level will not dim and stays on 100%	LED driver set on 100% ‘Stand by dimming level’ too high (only applicable when using: 1-10VA on sensor applicable to MIC 3 only) Sensitivity too high	Amend dip switches on LED driver to required level (20%) Amend dip switches on ‘Stand by dimming level’ (only applicable when using: 1-10VA on sensor applicable to MIC 3 only) Reduce sensitivity level

Alley Pack LED – rubber seal installation

Please note: attach luminaire to surface before inserting rubber seal.



Insert rubber seal into casing groove



Circular rubber gasket placed to preserve IP rating