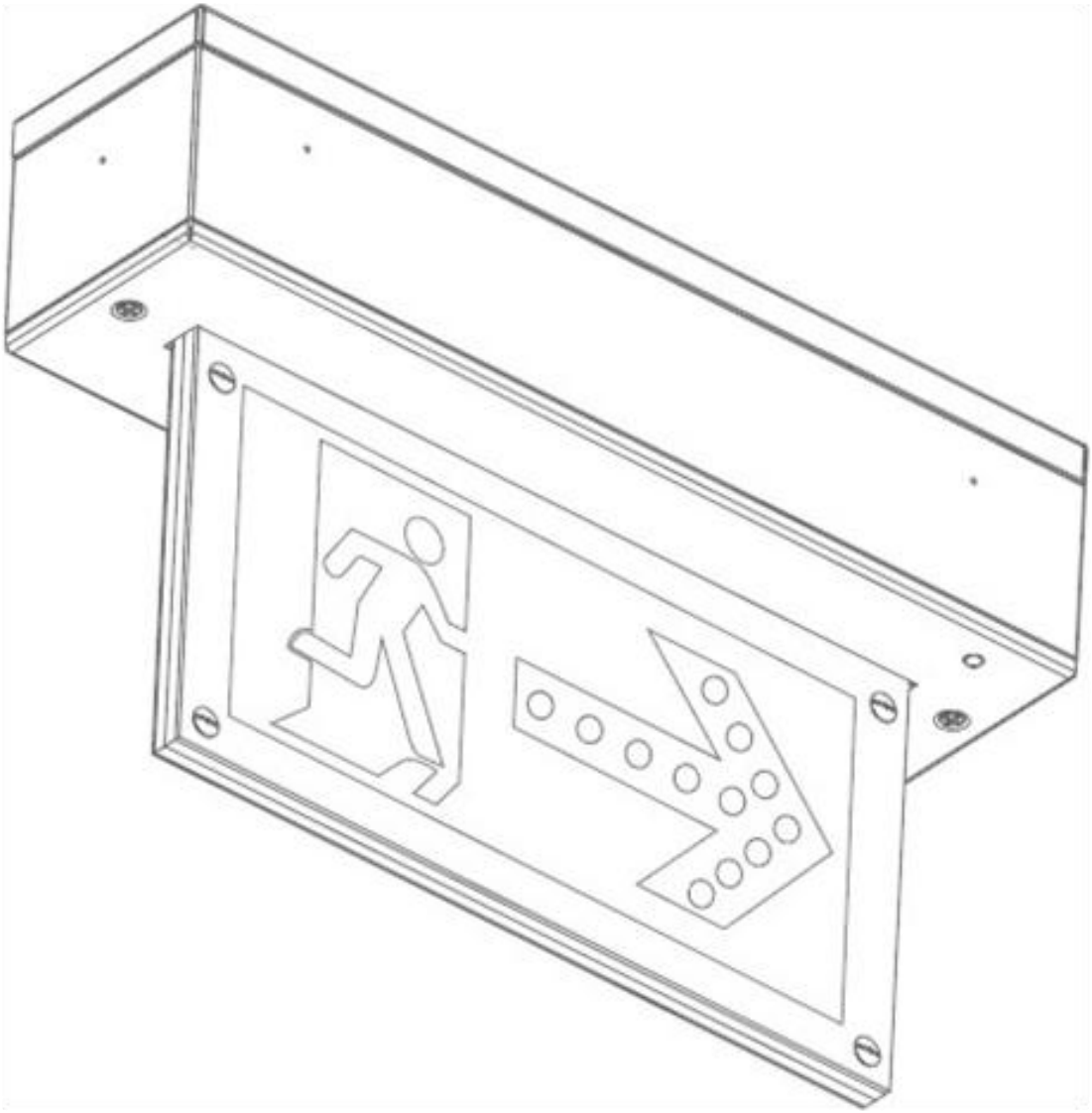
EVACLITE



# Product Instructions
# **MONACO**

Apr 2026

Luminaire Classification:
**X1G180**

Suitable for:
**MON/ADS/24_DALI/Self-Test** Models

## MAINTAINED OPERATION

Both Mains Supplies Healthy

LED Lamp(s) operate from the normal mains supply that can be switched and an additional unswitched mains supply charges the ba ery pack (charge indicator LED lights to indicate the ba ery pack is charging).

Unswitched or both Mains Supply Failures (or optional push to test switch operated)

LED Lamp(s) comes on in emergency and the charge Indicator LED goes out.

## NON-MAINTAINED OPERATION

Unswitched Supply Healthy

LED Lamp(s) not illuminated (charge indicator LED lights to indicate the ba ery pack is charging).

Unswitched Supply Failed (or push to test switch operated)

LED Lamp(s) operate in emergency and the charge indicator LED goes out.

Technical support

## RECOMMENDED ROUTINE TEST PROCEDURE

The following test routine from EN50172 is designed to ensure continued protection of your premises and occupants. Because of the possibility of a failure of the normal lighting supply occurring shortly after a period of testing, all tests should (wherever possible), be undertaken at a time of least risk and during daylight hours.

Normal mains supplies should be present before starting these tests and any LED lamps that are showing signs of ageing should be replaced prior to continuing with the test.

To test for correct emergency operation, fail the unswitched mains supply, where a switched supply is present this should also be isolated. The LED lamp should then be illuminated from the Emergency Control Unit.

Restoring the unswitched supply will restore the luminaire to its previous operational state.

If either test indicates a fault condition, follow the fault finding guide instructions on this sheet.

## ONCE A DAY

Visually inspect the charge indicator LED is illuminated. Check from DALI bus that the product is operating normally

## ONCE A MONTH

Each unit will perform its own self-test each month. Self-test operation and test failures will be shown on the indicator LED. Test failures will be shown in the product's status indicators on the DALI bus – see FIG.G.

## YEARLY

Each unit will perform its own self-test each year. The product will run the emergency light for its rated duration. Self-test operation and test failures will be shown on the indicator LED. Test failures will be shown in product's status indicators from the DALI bus.

Note:
The product has a self-commissioning mode. This charges the battery, performs a full duration test and then re-charges the battery.

## BATTERY REPLACEMENT

If the luminaire fails to meet the rated duration then the battery should be replaced with the correct type indicated on the product label.

## LIGHT SOURCE REPLACEMENT

The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.

## SAFETY

The luminaire must be installed by a qualified person in accordance with the current nationally recognised Building and Wiring Regulations.

Disconnect the mains supplies before removing the diffuser or panels prior to carrying out any maintenance or replacements of LED lamp(s).

## SAFETY (contd.)

This product must not be modified in any way and must be installed in accordance with these instructions.

Suitable for use in ambient temperatures over the range 5°C to 25°C.

The luminaire should not be covered with any heat insulating material and the airflow around it should not be restricted. Note any minimum distances to adjacent surfaces.

Where a luminaire is designed for recess mounting it should not be covered with any insulating material and the airflow around it should not be restricted. This will be indicated by the symbol. Note any minimum distances to adjacent surfaces.

**FIG.G**

| Module Mode | Indicator LED | Status | Emergency Lamp |
|---|---|---|---|
| Mains operation mode Standby mode | Permanent green | Normal | Off |
| Function test in progress | Fast flashing green | Normal | On |
| Duration test in progress | Slow flashing green | Normal | On |
| Commissioning in progress | Slow flashing green | Normal | Off except during testing |
| Identification mode | Slow flashing alternating green/red | Normal | Off |
| Prolong mode | Off | Normal | On |
| Rest mode | Slow flashing double Pulse green | Normal | Off |
| Inhibit mode | Green slow flashing double pulse off | Normal | Off |
| Emergency operation mode | Off | Normal | On |
| Lamp fault | Permanent red | Fault | Off |
| Battery / Test failure | Slow flashing red | Fault | Off |
| Battery charging failure | Fast flashing red | Fault | Off |
| Loss of mains and battery supply | Off | Fault | Off |

# INSTALLATION

This Monaco emergency luminaire is suitable for surface mounting and may be fitted to a wall or solid ceiling.

Fitting should be made by a competent person and in accordance with local electrical regulations.

FIG A

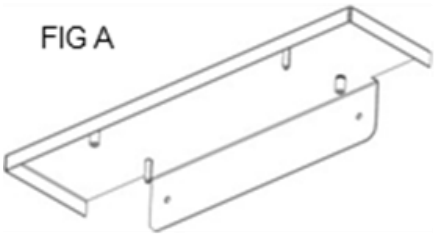


FIG B

FIG C

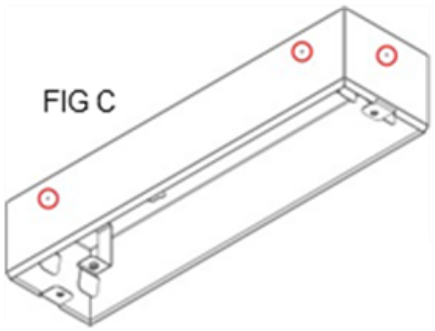
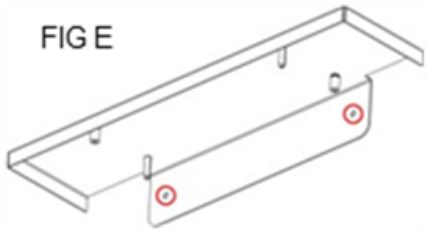


FIG D

FIG E



# CEILING

1. Turn off power to work area.

2. The sign is fixed directly to the ceiling without use of the wall mounting bracket (fig a).

3. Use the holes in the surface mount box to mark positions for holes to be drilled in the ceiling (fig b).

4. There are punch marks on the surface mounted box that mark where holes can be drilled to allow the power and control cables to enter through any side of the box (fig c).

5. The keyhole slots in the top of the surface mounting box allow the fixings to be screwed into the ceiling loosely before the box is mounted (fig b).

6. The box should then be slid into position using the keyhole slots to hold it prior to the fixings being tightened to secure the box (fig d).

FIG F

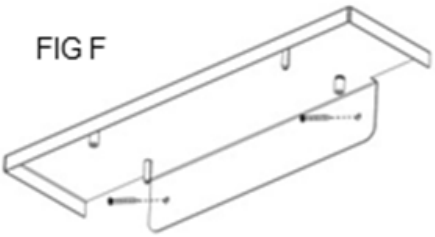
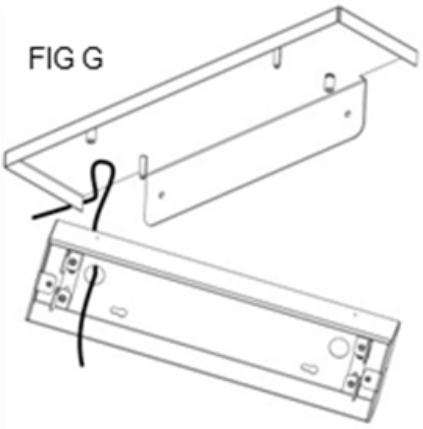


FIG G



# WALL

1. Turn off power to work area.

2. The sign is fixed to a wall using the wall mounting bracket (fig a).

3. Use the holes in the Wall mounting bracket to mark positions for holes to be drilled in the wall (fig e).

4. Screw the wall bracket to the wall using appropriate fixings (fig f).

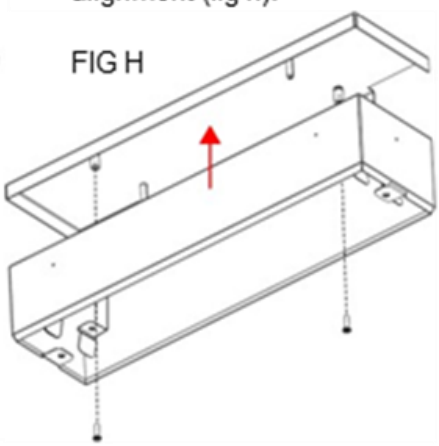
5. There are punch marks on the surface mounted box that mark where holes can be drilled to allow the power and control cables to enter through any side of the box (fig c).

6. Attach the surface mount box to the wall bracket.

   a. Bring the power and control cables through the back of the wall bracket, between the wall bracket and the surface mount box, and in through the holes in the top of the surface mount box (fig g).

   b. Attach the surface mount box to the wall mounting bracket using the 2 screws provided. The pins can be used for alignment (fig h).

FIG H



## WIRING

1. Bring the supply cables through your chosen hole and connect to the terminal block on the gear tray: L1 is for a switched maintained supply if required, L, N, E are for permanent supply to charge the integral battery (fig I & Example Wiring Schematic ).

2. Bring in the control cables through the upper enclosure and connect to the green terminal block (fig I).

3. Screw in gear tray such that the components face upwards into the base, using 4 screws provided (fig J).

4. Plug the blade cable into the socket on the underside of the gear tray (fig K).

5. Secure the blade/lid assembly using the 2 screws provided (fig L).

6. Turn on power to work area.

WARNING: Failure to comply with these installation instructions may result in irreparable damage to the emergency control unit or luminaire.

Do not insulation test the lighting system with the emergency control units installed.

FIG I

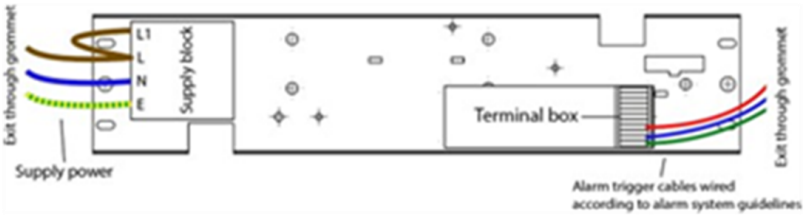



FIG J

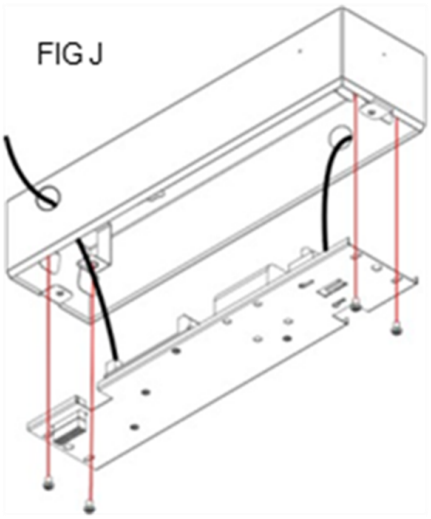


FIG K

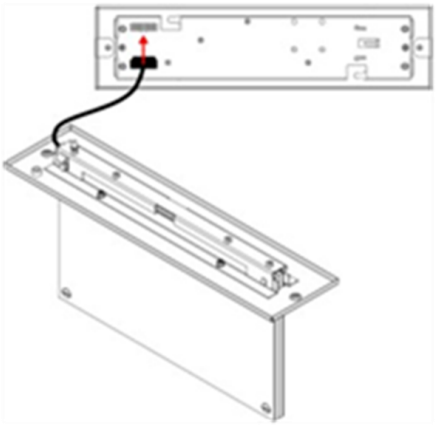
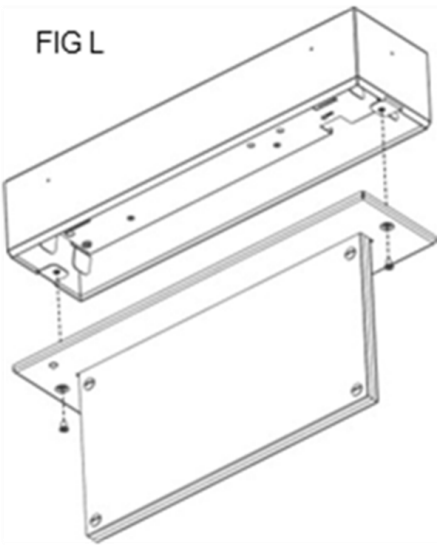


FIG L



## CONFIGURING DYNAMIC SIGNAGE

Please refer to the integration instructions of your emergency regulation system. The dynamic circuit is arranged as shown:


(Reserved) voltage input arrow +
(Reserved) voltage input arrow -
(Reserved) voltage input cross +
(Reserved) voltage input cross –
Fault output NC
Fault output COM
Fault output NO
Arrow input NO
Arrow input COM
Cross input COM
Cross input NO

# FAULTFINDING

| | |
|---|---|
| **1. CHARGE INDICATOR LED NOT ILLUMINATED** | a) Check the battery is connected to the emergency control unit. |
| | b) AC unswitched supply interrupted – restore supply. |
| | c) Battery fault causing charge circuit to shut down (self-resetting) – replace the battery and check for correct ambient temperature. |
| | d) Emergency control unit fault – contact your supplier. |
| **2. UNIT NOT MEETING REQUIRED EMERGENCY DURATION PERIOD** | a) Unit operating outside temperature limits – check ambient temperature. |
| | b) Unit may need cycle discharge – recharge for 24 hours then re-test. If the duration has improved repeat the procedure until full duration is achieved or the battery pack needs replacing – contact your supplier. |
| **3. NO LIGHT OUTPUT AT ALL** | a) Check the charge LED is lit when the AC unswitched mains supply is on. |
| | b) Check the LED lamp and ensure it is correctly connected to the control gear. |
| | c) Check all wiring and connections. |
| | d) Check the battery pack on load (discharge condition) using a voltmeter. The nominal battery voltage is shown on the battery label. |
| **4. SELF-TEST FUNCTIONALITY** | a) See Figure G for full, self-test status and diagnostics. |
| **5. TECHNICAL INFORMATION** | a) For further technical information and DALI function, use QR code on left or contact your supplier. |

Technical support

# EMERGENCY LED LUMINAIRE INSTRUCTIONS

## GENERAL INSTRUCTIONS

Follow these instructions carefully to ensure safe and reliable operation and retain this leaflet for future reference. Luminaires with an IP rating of IP54 or above are suitable for exterior use. For the purpose of EN60598.2.22:1999, this fitting is classified as being 'without rest mode'.

Where the symbol ****E appears on the product label indicates no serviceable parts. The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

Where the symbol ****F or DALI appears on the product label then this indicates that the product contains an automatic self-test function

.

Please see 'DALI Technical Instructions' document for more detailed DALI operational detail.

Please contact the supplier if this luminaire is to be installed where the operating temperature range exceeds 5°C to 25°C, or when the relative humidity normally exceeds 50% and in environments with unusually high contamination or corrosive elements or gasses.

This luminaire incorporates a LiFePO4 Battery pack. They should be disconnected whenever the mains is interrupted for a period of longer than 7 days.

For all product specifications or further assistance on installation of this product contact the Technical Department or use QR code.
www.evaclite.co.uk
+44 (0)1633 404 999

Throughout this leaflet the following wiring colour coding is used:

(L) Brown or Red
Permanent/Unswitched supply

(L1) Brown or Red
Switched supply

(N) Blue or Black
Neutral

Green and Yellow
Earth

(DA) Black DALI
Bus connections

## DISPOSAL

The disposal of large quantities of electrical equipment (EEE) is subject to European, National and Local Authority regulations (WEEE).

Products displaying the 'wheelie bin" symbol indicate the product should not be disposed of in the normal waste stream.

# TEST RECORD

Luminaire Type/Ref:

Date of Installation:

Location:

| MONTH | TEST | 1ST YEAR | | 2ND YEAR | | 3RD YEAR | | 4TH YEAR | | 5TH YEAR | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SIG | DATE | SIG | DATE | SIG | DATE | SIG | DATE | SIG | DATE |
| 1 | FUNCTIONAL | | | | | | | | | | |
| 2 | FUNCTIONAL | | | | | | | | | | |
| 3 | FUNCTIONAL | | | | | | | | | | |
| 4 | FUNCTIONAL | | | | | | | | | | |
| 5 | FUNCTIONAL | | | | | | | | | | |
| 6 | FUNCTIONAL | | | | | | | | | | |
| 7 | FUNCTIONAL | | | | | | | | | | |
| 8 | FUNCTIONAL | | | | | | | | | | |
| 9 | FUNCTIONAL | | | | | | | | | | |
| 10 | FUNCTIONAL | | | | | | | | | | |
| 11 | FUNCTIONAL | | | | | | | | | | |
| 12 | DURATION | FULL | | FULL | | FULL | | FULL | | FULL | |



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