

TEKNIK [VIPER]

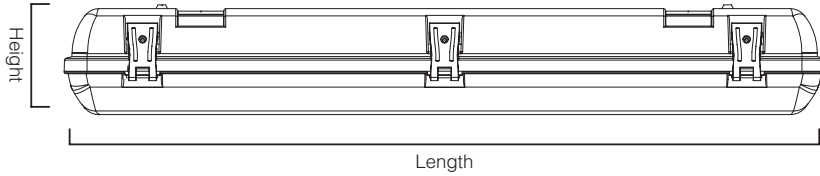
LIGHTING SOLUTIONS WEATHERPROOF LED BATTEN



Please ensure that the luminaire is installed in accordance with the below instructions. **Teknik Lighting Solutions Pty Ltd** assumes no responsibility for inappropriate use or installation of the product, including any associated damage caused.

- Electrical Safety:** Not a DIY product. Ensure the fitting is installed by a qualified electrician in compliance with relevant Australian Standards (AS3000) and local regulations (where applicable). Always turn off the power supply before installation, maintenance, or cleaning.
- Compatibility:** Verify that the fitting is compatible with the existing power supply, mounting structure and dimmer systems, if applicable. Using incompatible equipment may result in damage or reduced performance.
- Damage Check:** Inspect for damage before installation. Do not use fittings with visible damage to wires, housing, or components.
- Avoid Modifications:** This product is intended for use in accordance with its specifications and installation guidelines. Any use outside these parameters is at the user's risk. Do not alter or tamper with the fitting. Unauthorised modifications can compromise safety and void the warranty.
- Switch Cycles:** Good design practice does not encourage 24/7 continuous operation of lighting products without a routine switching or regulatory test cycle. For extended use, limit operation to 12 hours per day for industrial/commercial applications and 6 hours per day for residential applications.
- Disposal:** Dispose of fittings responsibly in accordance with local recycling and disposal regulations. LEDs contain electronic components that may require special handling.
- Liability Limitation:** TEKNIK shall not be held liable for incidental, indirect, or consequential damages resulting from the use or inability to use this product.
- Intellectual Property:** This product utilises intellectual property in the form of registered designs, trademarks, and/or patents. Such intellectual property remains the property of Teknik Lighting Solutions Pty Ltd in all cases.


DIMENSIONAL DRAWING

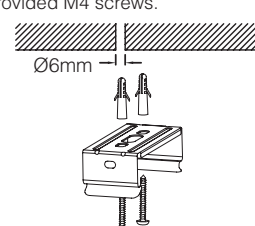
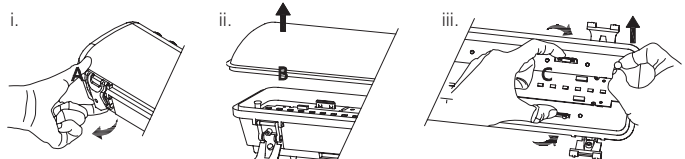
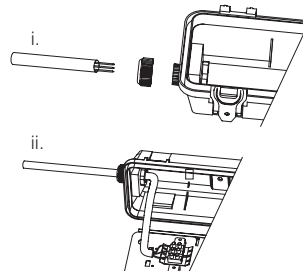
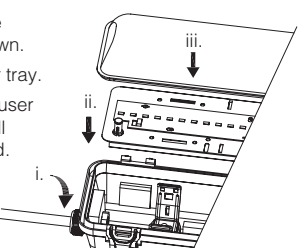
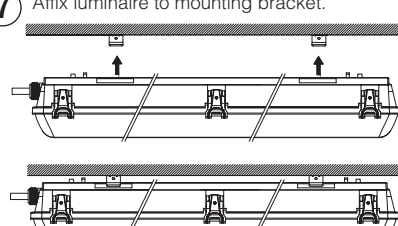



| | Length mm | Width mm | Height mm |
|------------------------|-----------|----------|-----------|
| 8W-14W/10W-16W | 655 | 130 | 88 |
| 14W-24W/16W-26W | 1265 | 130 | 88 |

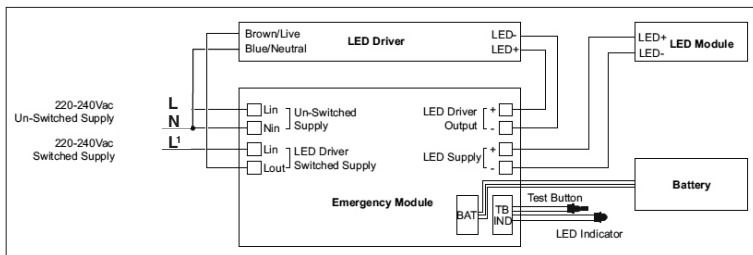
INSTALLATION

WARNING: Switch off power supply before installation or maintenance. Switch back on only after installation and examination of the circuit are completed.

- Disconnect power to the circuit.
 
- Drill $\varnothing 6\text{mm}$ holes as per the diagram below.

| Model | Mounting Distance |
|-------|-------------------|
| 2ft | 420mm |
| 4ft | 905mm |
- Insert wall plugs and secure the mounting bracket with provided M4 screws.
 
- Open all external clips.
 - Remove diffuser.
 - Squeeze internal retention clips and remove gear tray.
- Install cable gland and feed through cable.
 - Connect the cable to the terminal block as shown.
 - Connect the battery (Emergency Version).
 - Tighten the cable gland.
- Tighten cable gland as shown.
 - Replace gear tray.
 - Close the diffuser and ensure all clips fastened.
- Affix luminaire to mounting bracket.
 
- Connect power to the circuit.
 

EMERGENCY WIRING



For Maintained Emergency:

always on full output, emergency mode activates with loss of power

Bridge L1 and L terminals.

For Non Maintained Emergency:

only on with loss of power

Connect permanent active to L terminal.

For Switched Non Maintained Emergency Function:

light operates via a switch for normal on and off operation and emergency mode activated with loss of power

Connect permanent active to L and switched active to L1.

EMERGENCY TEST BUTTON OPERATION

- Remove gear tray from housing
- Connect the battery to the emergency converter
- To test:
 - Press the red button to simulate AC mains failure
 - If the light is in maintained mode, it will result in a bright luminaire
 - If the light is in non-maintained mode, it will switch on to 2W energy power mode



VIPER LEARN MORE

WATTAGE SWITCHING

1. Remove gear tray from housing
2. On the DC output side of the LED driver, use the dip switch to select the preferred output level.

| | 200mA | 250mA | 300mA | 350mA |
|-----|-------|-------|-------|-------|
| 2ft | 8W | 10W | 12W | 14W |
| 4ft | 14W | 17W | 21W | 24W |

WITHOUT SENSOR

ELEMENT
EM FIT 40/220-240/350 D CS L
Constant Current LED Power Supply

恒流型 LED 控制装置

| PIN1 | PIN2 | Irated (mA) | Prated (W) | Urated (Vdc) | U _h / f _n | I _h (A) | t _h (s) | PF |
|------|------|-------------|------------|--------------|---------------------------------|--------------------|--------------------|------------|
| OFF | OFF | 200 | 24.0 | 40-120 | 220-240V 50/60Hz | -20 → +60 | | 0.8C-0.92C |
| OFF | ON | 250 | 30.0 | 40-120 | | | | 0.7C-0.92C |
| ON | OFF | 300 | 36.0 | 40-120 | | | | 0.8C-0.94C |
| ON | ON | 350 | 42.0 | 40-120 | | | | 0.8C-0.95 |

OSRAM GmbH
Beitler Allee 65
86169 Augsburg
Germany
www.osram.com

Made in China

Connect PE to case or PIN 3
wire preparation push in
S: 0.5-1.5mm
F: 0.75-1.5mm

SEC= U-OUT-250V
LED Only

7-8mm

ON OFF
1 2 1

WITH SENSOR

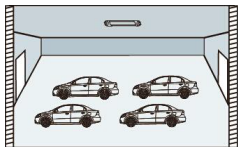
merrytek
www.merrytek.com
LED Driver
Model No.: MLC40C-NPS

| Input Voltage | 220-240Vac | Output Voltage | 160Vdc Max | I _o (mA) | U _o (Vdc) | P _o (W) | Output Current Setting |
|-----------------|------------|----------------|-------------|---------------------|----------------------|--------------------|------------------------|
| Input Frequency | 50/60Hz | Output Power | 42W Max | 200 | 65-120 | 13-24 | mA 1 2 |
| Input Current | 190mA Max | t _a | -25 → +50°C | 250 | 65-120 | 16.2-30 | 200 ON ON |
| Power Factor(A) | ≥0.95 | t _c | 90°C | 300 | 65-120 | 19.5-36 | 250 — ON |
| | | | | 350 | 65-120 | 22.7-42 | 300 ON — |
| | | | | | | | 350 — — |

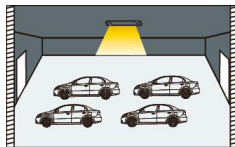
12V+ GND PWM (5V/3.3V)

SENSOR DIMMABLE OPTION (-SD)

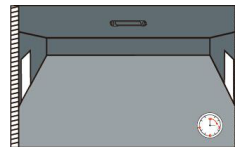
ON/OFF FUNCTION: STAND-BY PERIOD SET TO "0s"



- 1 With sufficient ambient light, the light will not be switched on even if with motion signal.

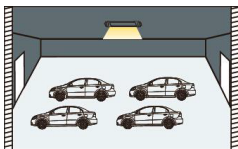


- 2 With insufficient ambient light, the sensor switches on the light when motion is detected.

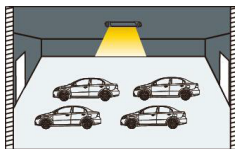


- 3 After elapse of hold time, the sensor switches off the light when no motion is detected.

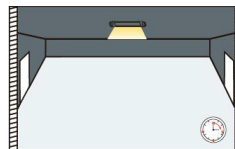
2-STEP DIMMING FUNCTION: STAND-BY PERIOD SET TO "+∞"



- 1 If there is no motion detected, the light will be remained at a low light level all the time.

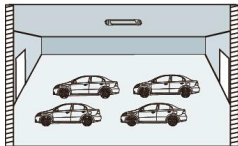


- 2 When motion is detected, the sensor will switch on the light to 100% brightness

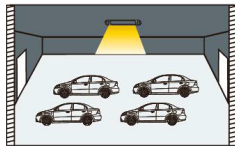


- 3 After elapse of hold time, the sensor dims the light at the present low level if no motion is detected.

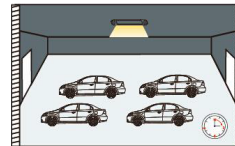
3-STEP DIMMING FUNCTION: STAND-BY PERIOD SET TO "10S/1min/3min/5min/10min/30min"



- 1 With sufficient ambient light, the light will not be switched on even if with motion signal.



- 2 With insufficient ambient light, the sensor switches on the light when motion is detected.

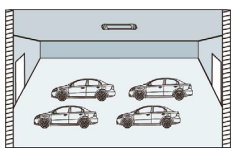


- 3 After elapse of hold time, the sensor dims the light at a low light level if no new motion is detected.

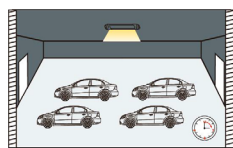


- 4 After elapse of standby period, the sensor switches off the light if no motion is detected in the detection zone.

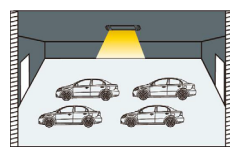
DAYLIGHT PRIORITY: STAND-BY PERIOD SET TO "DH MODE"



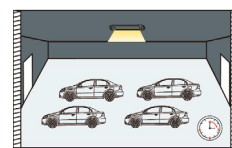
- 1 With sufficient ambient light, the light will not be switched on even if with motion signal.



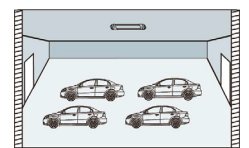
- 2 When the ambient light is insufficient, the lamp will turn on and enter the low light state (standby level).



- 3 With insufficient ambient light, the lamp goes on full light when a mobile signal is detected.



- 4 After hold time, if no motion is detected in the detection area, the lamp will automatically turn to standby brightness.



- 5 After standby time, if no moving object is detected in the detection area and the ambient light is sufficient, the lamp will turn off automatically.