TEKNIK LIGHTING SOLUTIONS [CORSAIR]

STANDARD / MIDI DIFFUSED LED BATTENS

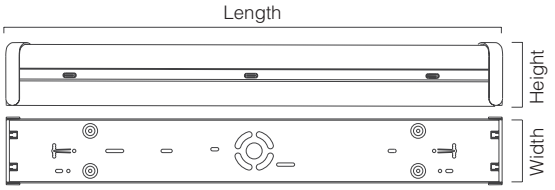
5 YEAR PRODUCT WARRANTY | W WATTAGE SELECTABLE | S: COLOUR SELECTABLE | EMERGENCY FUNCTION | IP 20 INGRESS PROTECTION

CORSAIR LEARN MORE

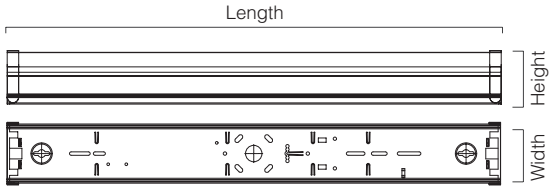
Please ensure that the luminaire is installed in accordance with the below instructions. **Teknik Lighting Solutions Pty Ltd** assumes no responsibility for inappropriate use or installation of the product, including any associated damage caused.

1. 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.
2. 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.
3. Damage Check: Inspect for damage before installation. Do not use fittings with visible damage to wires, housing, or components.
4. 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.
5. 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.
6. Disposal: Dispose of fittings responsibly in accordance with local recycling and disposal regulations. LEDs contain electronic components that may require special handling.
7. Liability Limitation: TEKNIK shall not be held liable for incidental, indirect, or consequential damages resulting from the use or inability to use this product.
8. 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



CORSAIR	Length	Height	Width
BC-2-16S120 (-E) (-SD)	620mm	80mm	84mm
BC-4-30S120 (-E) (-SD)	1200mm	80mm	84mm

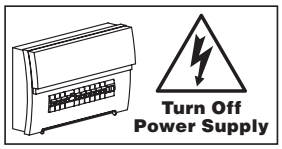


CORSAIR Midi	Length	Height	Width
BCM-2-16S120 (-E)	600mm	66mm	76mm
BCM-4-30S120 (-E)	1200mm	66mm	76mm

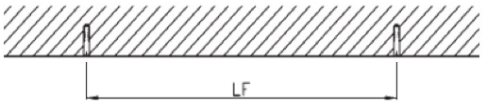
INSTALLATION

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

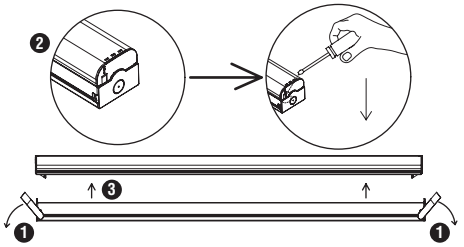
1. Disconnect power to the circuit.



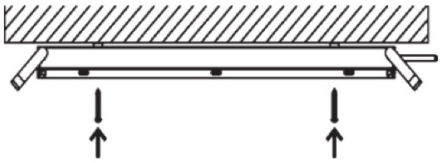
2. Install wall plugs in the desired surface with correct spacing using the dimensional drawing value (LF) specified above.



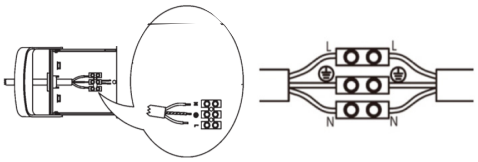
3. Open the end caps at both ends of the fitting and remove the LED module as shown below. Please ensure to detach both the plastic safety tethers and the male and female DC connectors.



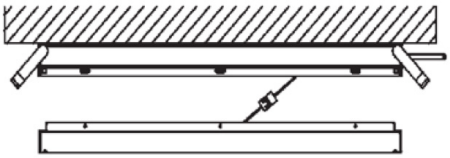
4. Mount the lamp base to the desired surface by using the wall plugs (installed in step 2) and the screws provided.



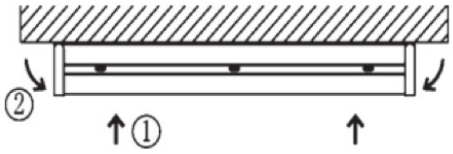
5. Take the incoming AC mains cable and screw in the wires tightly into the terminal block. Ensure that the wires are screwed into the correct position in the terminal block.



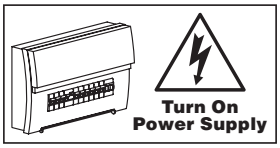
6. Take the LED module and reconnect both plastic safety tethers. Also connect the male connector to the female connector on the lamp base.



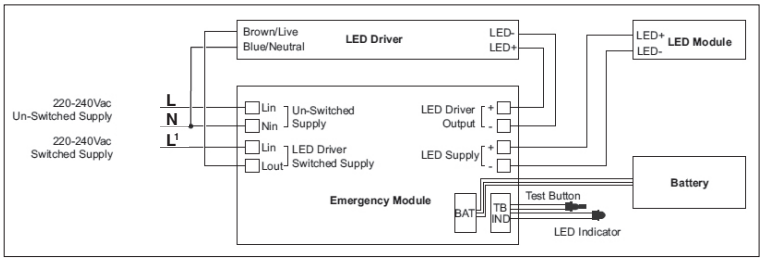
7. Attach the LED module to the lamp base and rotate the end caps as shown below to close the fitting.



8. 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

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

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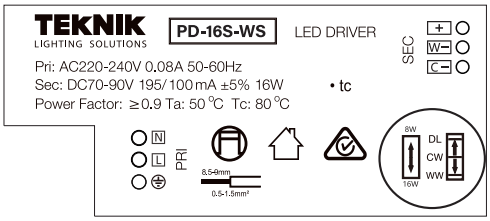
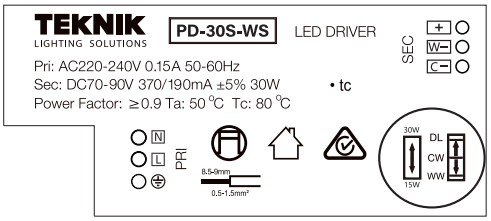
WATTAGE & CCT SELECTION: WITHOUT SENSOR

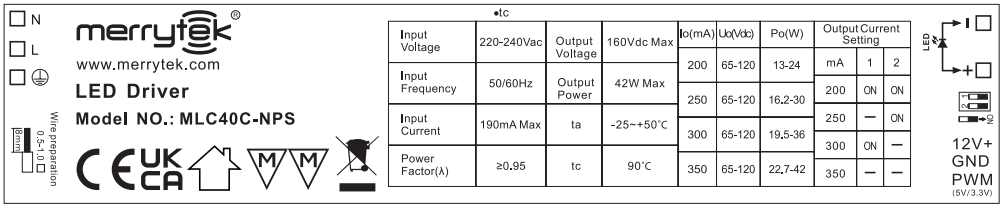




1. Remove gear tray from housing.
2. Choose the desired wattage and colour temperature selection as per these diagrams.
   i. 4ft Model: 30W or 15W (excluding BC-4-30S120-SD)
   ii. 2ft Model: 16W or 8W
   iii. 3000K (WW) / 4000K (CW) / 5700K (DL)

Note: For emergency versions, colour temperature selection switch is located along the wiring harness.

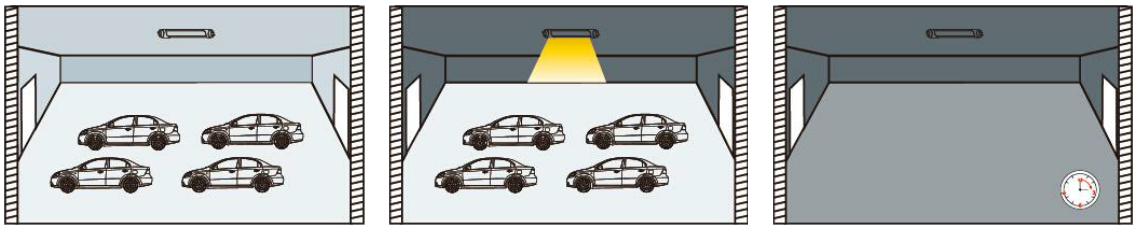
WATTAGE & CCT SELECTION: WITH SENSOR



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.
   i. BC-4-30S120-SD: 30W (350mA), 26W (300mA), 22W (250mA), 18W (200mA)

SENSOR DIMMABLE OPERATION

1 On/OFF Function: *stand-by period be set to "0s"*

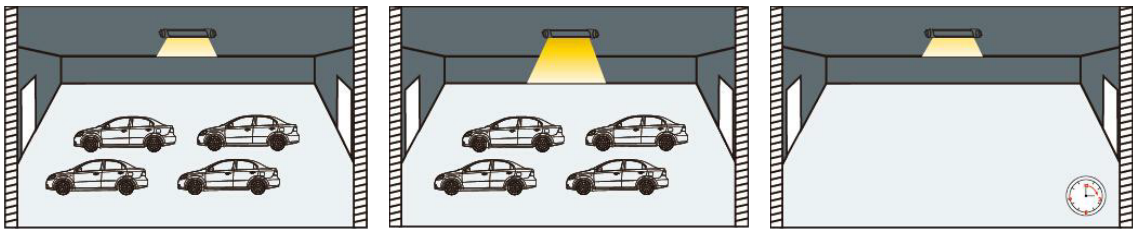


① With sufficient ambient light, the light will not be switched on even if with motion signal.

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 2-Step Dimming Function: *stand-by period be set to "+∞"*

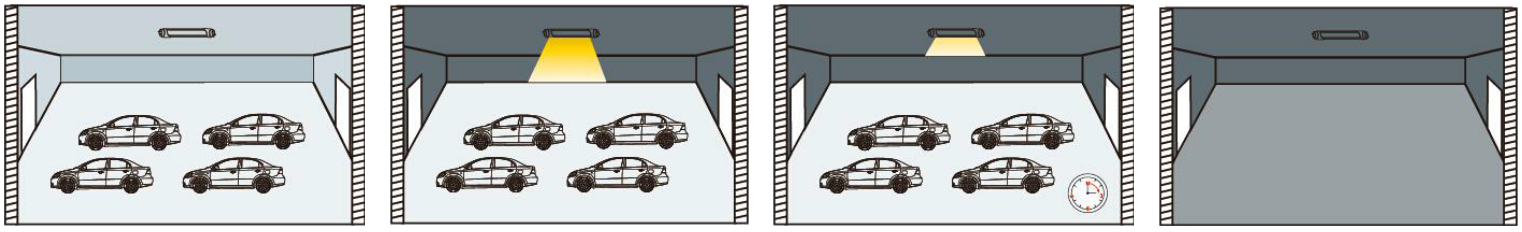


① If there is no motion detected, the light will be remained at a low light level all the time.

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 3-Step Dimming Function: *stand-by period be set to "10S/1min/3min/5min/10min/30min"*



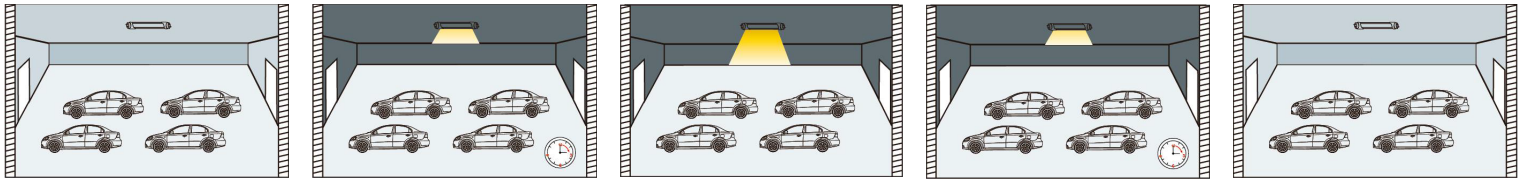
① With sufficient ambient light, the light will not be switched on even if with motion signal.

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.

4 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 standy time, if no moving object is detected in the detection area and the ambient light is sufficient, the lamp will turn off automatically.