LED Downlight Kit
L900 Series

Installation Instructions
1.0 Product Range

8W versions
L955W/12  8W LED Downlight Kit, Warm White 55° Lamp (Gimbal fitting)
L955WF/12 8W LED Downlight Kit, Warm White 55° Lamp (Fixed fitting)
L955C/12  8W LED Downlight Kit, Cool White 55° Lamp (Gimbal fitting)
L955CF/12 8W LED Downlight Kit, Cool White 55° Lamp (Fixed fitting)

12W versions
L960W/12  12W LED Downlight Kit, Warm White 60° (Gimbal Fitting)
L960WF/12 12W LED Downlight Kit, Warm White 60° (Fixed Fitting)
L960C/12  12W LED Downlight Kit, Cool White 60° (Gimbal Fitting)
L960CF/12 12W LED Downlight Kit, Cool White 60° (Fixed Fitting)
L935W/12  12W LED Downlight Kit, Warm White 35° (Gimbal Fitting)
L935WF/12 12W LED Downlight Kit, Warm White 35° (Fixed Fitting)
L935C/12  12W LED Downlight Kit, Cool White 35° (Gimbal Fitting)
L935CF/12 12W LED Downlight Kit, Cool White 35° (Fixed Fitting)

*These products are available in a White (WH) or Brushed Chrome (BC) fitting. Simply add the colour code to the end of the above catalogue numbers. For further information, please contact your Clipsal Sales Representative.
2.0 Description

The Clipsal L900 Series of LED downlights provides ultimate performance with superior thermal management. Comparable with most standard MR16 downlights, these fittings are ideal for any application requiring an energy efficient alternative lighting solution.

3.0 Product Specifications

3.1 General Data
All downlights are supplied complete with a gimbal or fixed fixture and driver that come complete with flex & plug.

**IP Rating:** 20
**Nominal Voltage:** 240
**Nominal Frequency:** 50Hz
**Power Factor:** 0.95
**Max. Ambient Temperature:** 50°C

Note: Do not cover downlight luminaries, as this product requires ventilation to maintain its performance characteristics.
3.2 8W Data
Secondary Voltage: 12V d.c.
Circuit Wattage: 11W
Current: 900mA constant current
Lamp Life: 35,000hrs

3.3 12W Data
Secondary Voltage: 24V d.c.
Circuit Wattage: 15.5W
Current: 700mA constant current
Lamp Life: 50,000hrs
4.0 Dimming

4.1 Unit Assembly
Clipsal recommends universal dimming technology as the best solution with LED downlights. The below chart is intended as a reference guide to assist with installation. For the most up to date information, as well as how to install Clipsal LEDs with the rest of the dimmer range, please visit clipsal.com/load

<table>
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<th>Cat. Number</th>
<th>Mode</th>
<th>Dimmer Type</th>
<th>Min. Number of Lamps</th>
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Disclaimer
We have extensively tested our Clipsal dimmers and LED products together in our laboratories and are confident they interact with each other as to the specifications in the installation instruction. However it should be noted that our testing can not account for installation variables such as variation in mains supply voltage, cable capacitance, electrical noise, transients and surges. These variables have the potential to affect the performance of these sensitive electronic devices. Please note that the information provided is correct to the best of our knowledge as at the date of the publication.

4.2 EcoSwitch
The Clipsal LED driver contains an EcoSwitch that is located near the primary input terminals. When this switch is in the FN1 position the driver is running at it’s highest efficiency.
If you are experiencing dimming compatibility issues (especially with leading edge models) switching to FN2 will increase compatibility. However the efficiency of the driver will drop by 0.5W.

⚠️ Warning
Do not change function ‘FN’ switch when power is on. Ensure supply is isolated before removing the terminal cover.
6.0 Installation Instructions

6.1 Unit Assembly

1. Identify your fixture fixing type.

2. Install front clip type.

3. Full assembly of LED downlight.

4. Wire the transformer and position.

6.2 Installation Spacings

Combustible building element above fitting

A barrier may be required to prevent loose-fill insulation or loose combustible materials from contacting the luminaire

Transformer

Thermal Insulation

Combustible building structure member

120mm from rear of lamp to combustible material

50mm to thermal insulation and transformer

25mm to combustible material

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7.0 Warranty

1. The benefits conferred herein are in addition to, and in no way shall be deemed to derogate; either expressly or by implication, any or all other rights and remedies in respect to the Clipsal by Schneider Electric product, which the consumer has under the Commonwealth Trade Practices Act or any other similar State or Territory Laws.

2. The warrantor is Schneider Electric (Australia) Pty Ltd of 33-37 Port Wakefield Road, Gepps Cross, South Australia 5094. With registered offices in all Australian states.

3. This Clipsal by Schneider Electric product is guaranteed against faulty workmanship and materials for a period of two (2) years from the date of installation.

4. Schneider Electric (Australia) Pty Ltd reserves the right, at its discretion, to either repair free of parts and labour charges, replace or offer refund in respect to any article found to be faulty due to materials, parts or workmanship.

5. This warranty is expressly subject to the Clipsal by Schneider Electric product being installed, wired, tested, operated and used in accordance with the manufacturer’s instructions.

6. All costs of a claim shall be met by Schneider Electric (Australia) Pty Ltd, however should the product that is the subject of the claim be found to be in good working order all such costs shall be met by the claimant.

7. When making a claim the consumer shall forward the Clipsal by Schneider Electric product to the nearest office of Schneider Electric (Australia) Pty Ltd with adequate particulars of the defect within 28 days of the fault occurring. The product should be returned securely packed, complete with details of the date and place of purchase, description of load, and circumstances of malfunction.