

Please read instruction sheet before commencing installation. Installation must be performed by a registered electrical contractor.

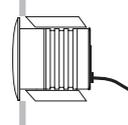
1 Description

Cat. No.	Description	Ceiling Cut-out	Ceiling Depth	Fascia Diameter	Lumens	Colour Temp	IP Rating
LST013KWE	White Step light 2.4W LED Warm White	45mm	42mm	54mm	24lm	3000K	IP65
LST013KPS	Silver Step light 2.4W LED Warm White	45mm	42mm	54mm	24lm	3000K	IP65
LST023KWE	White Starlight 2.4W LED Warm White	32mm	35mm	37mm	95lm	3000K	IP65
LST023KPS	Silver Starlight 2.4W LED Warm White	32mm	35mm	37mm	95lm	3000K	IP65

2 LED Lamp Life

30,000 Hrs Rated Average Lamp LED Life @25°C when installed with the default insulation clearances specified by AS/NZS 3000

2.4W STEP LIGHT



2.4W STARLIGHT

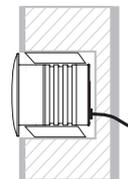


20,000 Hrs Rated Average Lamp LED Life @25°C when installed with the thermal insulation abutting and covering the fixture in accordance with the IC rating specified in AS/NZS 60598.2.2 Amendment A (NZ only).

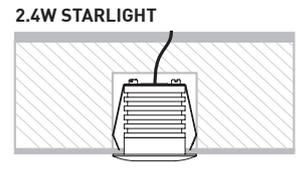


Note: This form of installation complies with the Wiring Rules AS/NZS 3000 requirement for recessed downlights, clause 4.5.2.3.1 (i).

2.4W STEP LIGHT



2.4W STARLIGHT



3 Dimming

The HPM Step Lights and Starlights are dimmable with Trailing Edge Dimmers. We recommend the following Dimmers only.

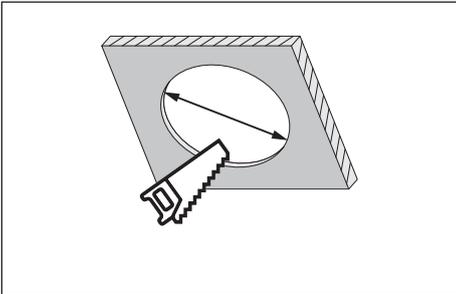
Legrand Excel Life EM400A3P	Max. 8 per EM400A3P	Dimming Range 100%-5%
Legrand Excel Life EM250T	Max. 5 per EM250T	Dimming Range 100%-10%
Legrand Excel Life EM400T	Max. 8 per EM400T	Dimming Range 100%-10%
Legrand Arteor AR400T	Max. 8 per AR400T	Dimming Range 100%-10%
Legrand Arteor AR400A3P	Max. 8 per AR400A3P	Dimming Range 100%-5%
HPM 250T	Max. 5 per 250T	Dimming Range 100%-10%
HPM 400T	Max. 8 per 400T	Dimming Range 100%-10%
HPM 700T	Max. 14 per 700T	Dimming Range 100%-25%
HPM 1000T	Max. 20 per 1000T	Dimming Range 100%-25%

4 Ceiling/Wall Preparation

2.4W STARLIGHT – PLASTERBOARD

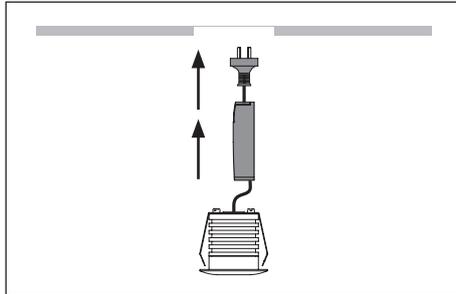
Step 1

Cut out a diameter of 32mm.



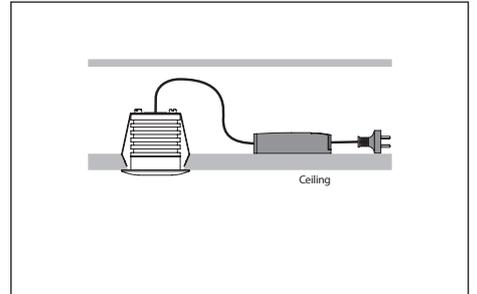
Step 2

Connect driver to main cables.



Step 3

Hold clips in place and push into cut out.

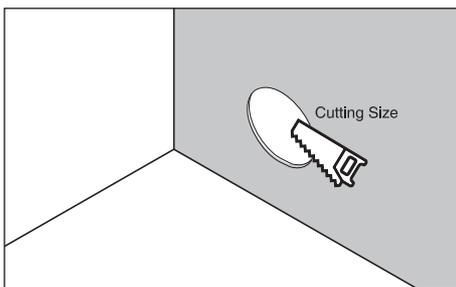


Note: Driver is too large to fit through ceiling cutout. Connect to fixed wiring before plasterboard is installed.

2.4W STEP LIGHT – PLASTERBOARD

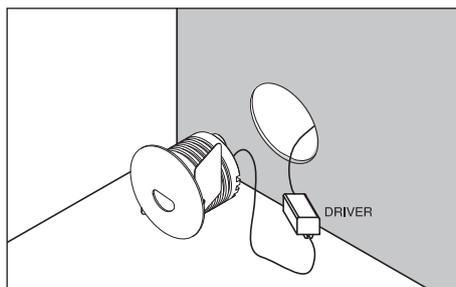
Step 1

Cut out a diameter of 45mm.



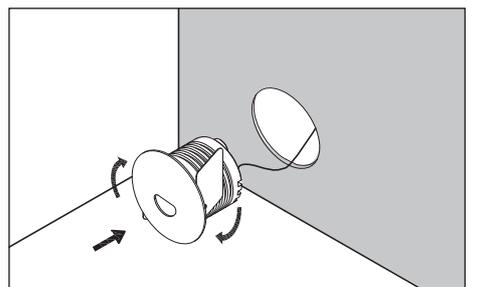
Step 2

Connect driver to mains cables.



Step 3

Hold clips in place and push into cut out.

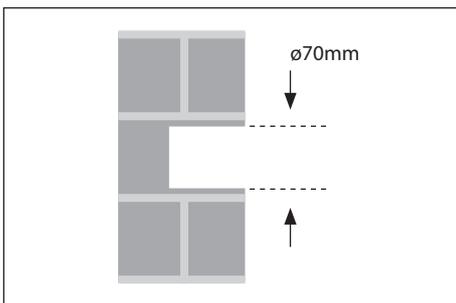


Note: Driver is too large to fit through ceiling cutout. Connect to fixed wiring before plasterboard is installed.

2.4W STEP LIGHT – RENDERED BRICK

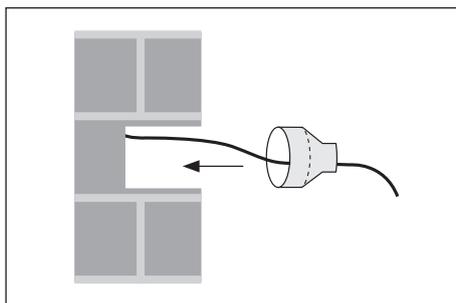
Step 1

Chisel a $\varnothing 70\text{mm}$ hole to a depth of 75mm.



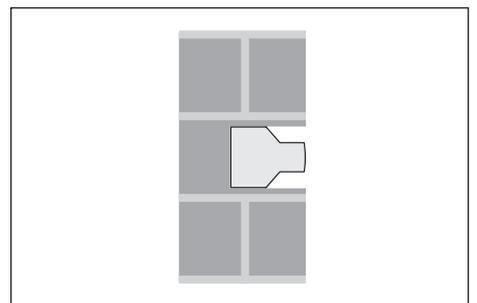
Step 2

Run cable and push canister into wall.



Step 3

Ensure canister is level and flush with wall before rendering.



5 Insulation Rating IC

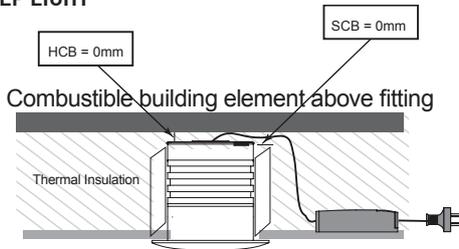


This series of luminaires has achieved an IC insulation rating in accordance with AS/NZ 60598.2.2.

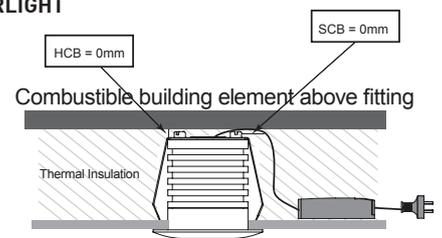
A type IC-4 and IC-F recessed luminaire can be installed with building insulation material that can safely be exposed continuously to temperatures up to 90°C. Such insulation can cover and abut the side of the luminaire.

Refer to diagram for clarification.

2.4W STEP LIGHT



2.4W STARLIGHT



Note: LED driver can be placed under insulation, however, the driver's lifespan will be affected and warranty made void.
Not suitable for use with loose-fill insulation.
If installed in accordance with the IC rating, insulation shall have a minimum temperature rating of 90°C.

Risk of FIRE - No clearance is required from structural members and buildings elements.
(SCB & HCB = 0mm)

SCB - Side Clearance to Building element: Minimum distance between the side of the recessed luminaire and any building element.
HCB - Height Clearance to Building element: Minimum distance between the top of the recessed luminaire and any building element above it.

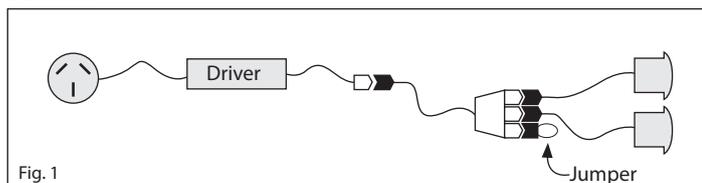
6 Wiring Connections

IMPORTANT: A minimum of 2 Step Lights or Starlights must be connected with each driver. Step Lights and Starlights must be connected in series.
*if using even numbers of lights, ensure to plug in jumpers on the empty socket as shown on fig.1, 3, 4, 5, 6, 7, 8

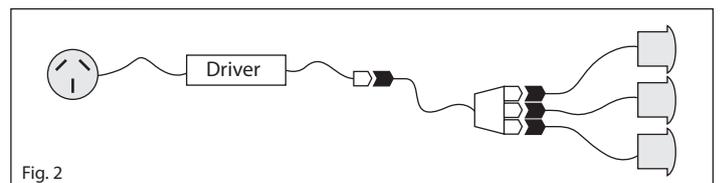
Driver Kit, Cat LDR02D700/18 (not supplied)	Plug, lead, driver	
	Plug coupler (x 2)	
	Socket coupler (x 2)	
	Jumper (x 1)	
	Hub (x 3)	
Step/Star Light		
Customer supplied cabling		

Customer Supplied Cabling					
Conductor size (mm ²)	Maximum length (metres)				
	A	B	C	D	E
0.75	8	8	4	0.5	1
1.0	11	11	6	0.8	1.5
1.5	15	15	8	1	2
2.5	25	25	13	1.6	3

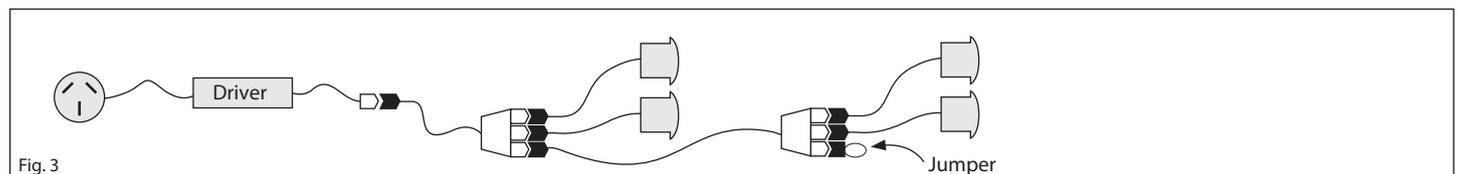
2 LIGHTS



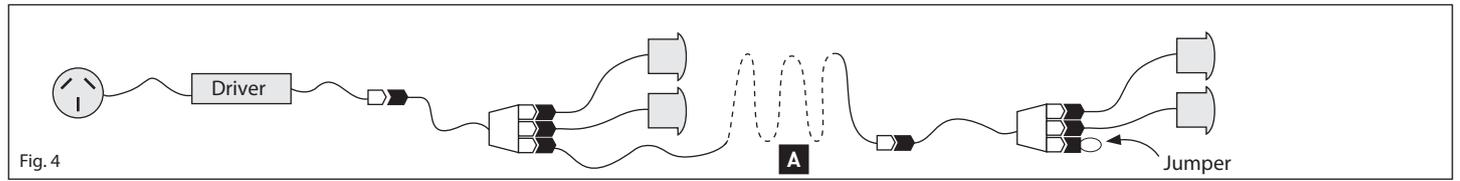
3 LIGHTS



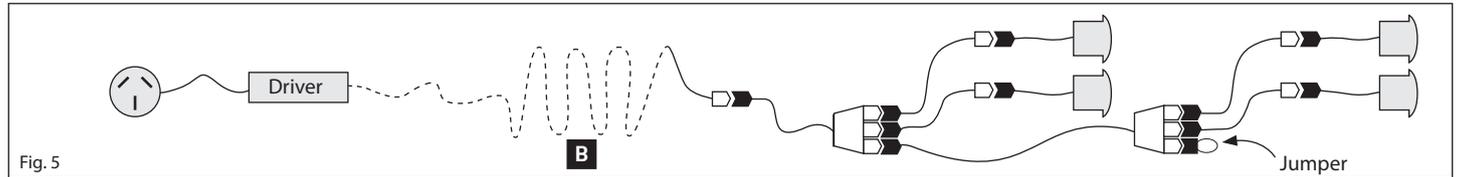
4 LIGHTS



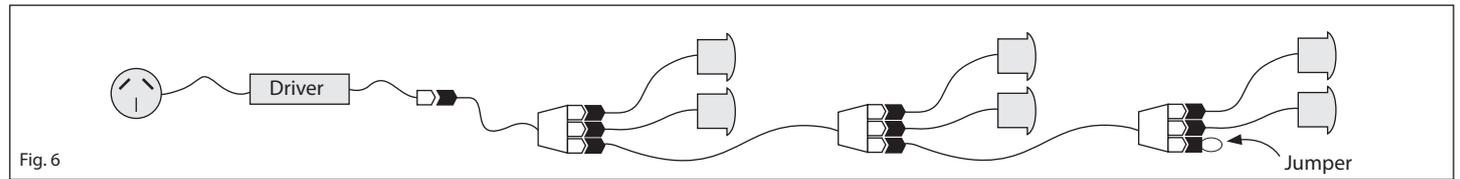
4 LIGHTS WITH REMOTE LAMPS



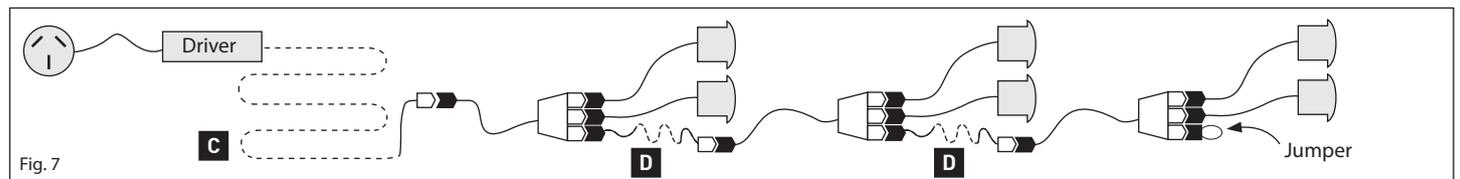
4 LIGHTS WITH REMOTE DRIVER



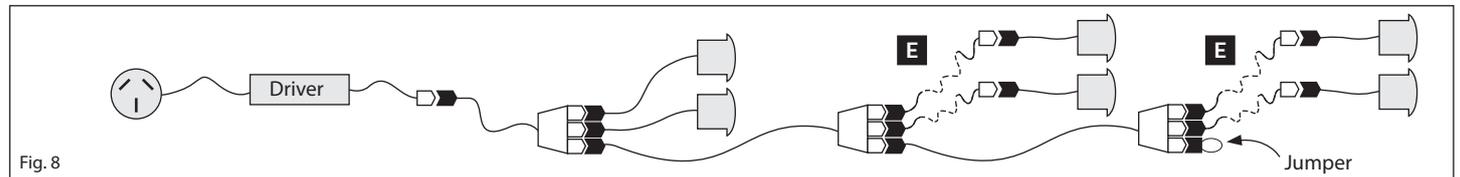
6 LIGHTS



6 LIGHTS WITH REMOTE CONNECTORS



6 LIGHTS WITH REMOTE LAMPS



Disclaimers

1. This product must be installed and used as per these instructions. 2. This product should only be cleaned with a damp cloth. Cleaning agents and solvents should not be used. 3. The IP rating of this product is only valid when installed on a flat and non-porous surfaces. Additional sealing may be required for irregular surfaces. 4. This product has been designed to minimise the effects of interference from off peak electricity signals. Interference in the form of light flicker is still possible in some cases depending on proximity to the signal injection point. 5. This product must be used with the loads specified only. Other load types should be used only when written confirmation is given by Legrand. 6. This product contains no serviceable parts and no attempt should be made to repair this product. If the product is faulty it should be discarded. 7. Severe electromagnetic interference from other products may cause malfunction of this product. 8. The material in this product may vary in colour from batch to batch. Colour matching from one batch to another cannot be guaranteed. 9. Electrical installations periodically receive transient over voltages. This product has been designed to minimise the effect of such voltages on connected equipment. It may not give full protection for extreme over voltage transients such as those resulting from a close lighting strike. 10. Lamp LED life is an average and will be reduced by frequent switching. 11. This product utilises intellectual property in the form of registered designs, trademarks, and/or patents. Such intellectual property remains the property of Legrand in all cases. 12. Legrand reserves the right to modify the specifications of this product at any time.

Warranty

Legrand warrants this product for a period of 6 years from the date of purchase. These goods come with guarantees that cannot be excluded under the Australian and New Zealand Consumer Laws. You are entitled to a replacement or a refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired if the goods fail to be acceptable quality and the failure does not amount to a major failure. See the Warranty card enclosed with the driver kit for further details.

Customer Service

For all Customer Service and Technical Support please call Monday to Friday during business hours.

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