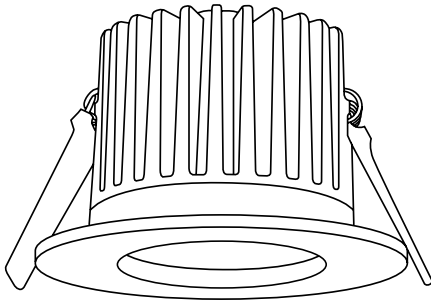




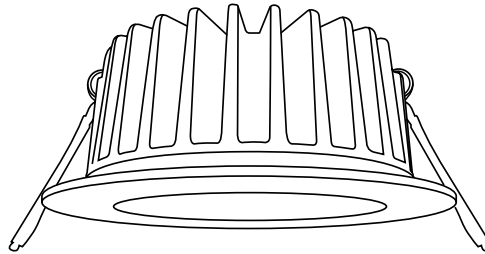
FREESIA & AZALEA LED Downlights

Instruction Manual

Cat No. LDL013KWE, LDL014KWE, LDL013KPS, LDL014KPS
LDL033KWE, LDL034KWE, LDL033KPS, LDL034KPS



FREESIA



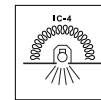
AZALEA



Class II construction



Dimmable



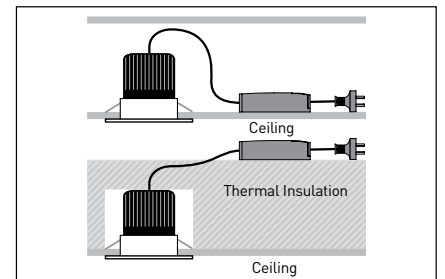
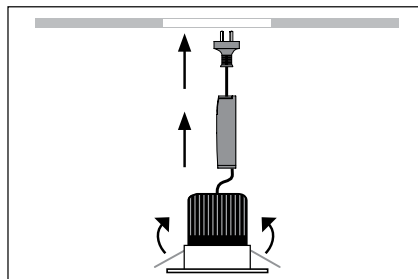
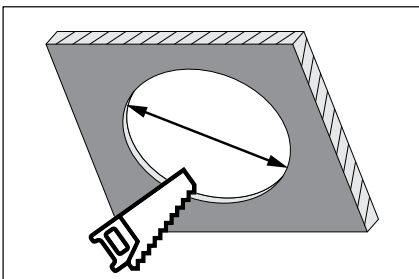
IC-4 Insulation Rating

1 Specifications

Cat No	FREESIA				AZALEA			
	LDL033KWE	LDL034KWE	LDL033KPS	LDL034KPS	LDL013KWE	LDL014KWE	LDL013KPS	LDL014KPS
Supply Voltage	230-240V a.c 50Hz							
Input Power	9W	9W	9W	9W	11W	11W	11W	11W
Power Output (LED Driver)	7W	7W	7W	7W	9W	9W	9W	9W
Lumens Output	600lm	620lm	600lm	620lm	880lm	890lm	880lm	890lm
Colour Temperature (Nominal)	3000K	4000K	3000K	4000K	3000K	4000K	3000K	4000K
Colour Rendering Index (CRI)	80+	80+	80+	80+	80+	80+	80+	80+
Average Beam Angle	95°	95°	95°	95°	95°	95°	95°	95°
IP Rating	IP44	IP44	IP44	IP44	IP44	IP44	IP44	IP44
Ceiling Cutout Size	Ø70mm	Ø70mm	Ø70mm	Ø70mm	Ø90mm	Ø90mm	Ø90mm	Ø90mm
Depth into Ceiling	60mm	60mm	60mm	60mm	48mm	48mm	48mm	48mm
Fascia Size	Ø85mm	Ø85mm	Ø85mm	Ø85mm	Ø105mm	Ø105mm	Ø105mm	Ø105mm
Fascia Colour	White	White	Polished	Polished	White	White	Polished	Polished

2 Installation

1. Cut out a hole in the ceiling. Refer to "Ceiling Cutout Size" in the Specifications section for the cutout size.
2. Connect driver to mains cable.
3. Fold back spring clips and insert into ceiling cutout.



Note: When Installing in a Concrete Canister, remove Heat Shrink over Spring Clips before Installing Rubber Sleeves.
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.

3 LED Downlight lamp life

30,000h Rated average LED lamp life @ 25 °C when installed with the default insulation clearances specified by AS/NZS 3000-2007

25,000h Rated Average LED Lamp Life @ 25°C when installed with the thermal insulation abutting and covering the fixture in accordance with the IC-4 rating specified in AS/NZS 60598.2.2



Note: This form of installation complies with the Wiring Rules AS/NZS 3000:2007 requirement for recessed downlights, clause 4.5.2.3.1 (i).

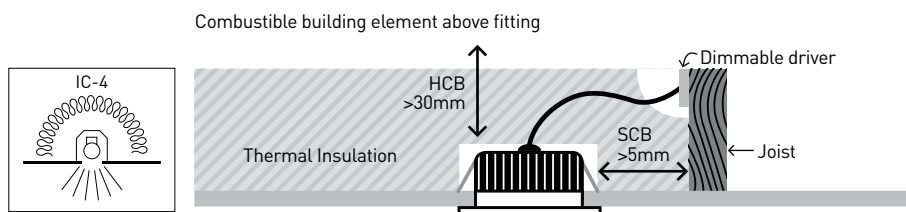
4 Insulation Rating

This series of downlights has achieved an IC-4 insulation rating in accordance with AS/NZS 60598.2.2.

A type IC-4 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 about the side of the luminaire.

Refer to diagram for clarification.

Note: Not suitable for use with loose-fill insulation. If installed in accordance with the IC-4 rating, insulation shall have a minimum temperature rating of 90°C. This insulation rating is applicable to the LED downlight head only. It is recommended that the driver be placed above the insulation. The driver can be placed under insulation, however, the warranty will be void and the driver's lifespan will be affected.



WARNING – RISK OF OVERHEATING OR FIRE IF THE CLEARANCE DISTANCES ARE COMPROMISED

Required clearance from structural members and building elements SCB = 5mm HCB = 30mm

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.

5 Dimming

This series of downlights are dimmable with trailing edge and leading edge dimmers. We recommend the following dimmers:

Cat No	QTY OF DOWNLIGHTS PER DIMMER	DIMMING RANGE
Legrand EM400A3P, AR400A3P	8 max	1% - 99%
Legrand EM400A2P	8 max	13% - 89%
Legrand EM400T, AR400T, 400L	8 max	12% - 99%
HPM 400T, 400L	8 max	12% - 99%
Legrand EM250T, 250L	5 max	12% - 99%
HPM 250T, 250L	5 max	12% - 99%
HPM700T, 700L	14 max	29% - 99%
HPM 1000T, 1000L	20 max	33% - 100%

6 Maintenance / Cleaning

This product should only be cleaned with a damp cloth. Cleaning agents and solvents should not be used.

Disclaimers

1. This product must be installed and used as per these instructions.
2. An IP rating of IP44 is generally considered suitable for external walls with supplementary protection such as overhanging eaves.
3. The IP rating of this product is only valid when installed on a flat and non-porous surface. Additional sealing may be required for irregular surfaces.
4. 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.
5. This product is not suitable for installation in hazardous and/or corrosive areas.
6. 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.
7. This product utilises intellectual property in the form of registered designs, trademarks, and/or patents. Such intellectual property remains the property of HPM Legrand in all cases.
8. Extended exposure to UV rays (such as exposure to direct sunlight) may cause discolouration of this product.
9. The material in this product may vary in colour from batch to batch. Colour matching from one batch to another cannot be guaranteed.
10. HPM Legrand reserves the right to modify the specification of this product at any time.

Warranty

HPM 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 of acceptable quality and the failure does not amount to a major failure.

See the Warranty card enclosed with this product for further details.

Customer Service

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

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