

# RAMSIS II- Recessed CCT dimmable downlight

Model No	22785/05	22786/05	22787/05	22788/05
Wattage	13W	15W	18W	24W

/05-White

Before first using your new fitting, it is most important that you read and follow these instructions, even if you feel you are quite familiar with this type of product. Retain this document for future reference.

## (\* ) DIY INSTALLATION

(\*)-This product is fitted with cord and 2-pin Mains Plug and it is designed to be connected into existing power socket, located adjacent to the fixture in the ceiling cavity. It can be installed by qualified personnel.

However if a power socket needs to be installed it must be completed. by qualified electrician.

**Any alterations or additions to building wiring must be completed by a licensed electrician or person authorised by legislation to work on the fixed wiring of any electrical installation in accordance with the latest AS/NZS 3000 standards and relevant amendments**

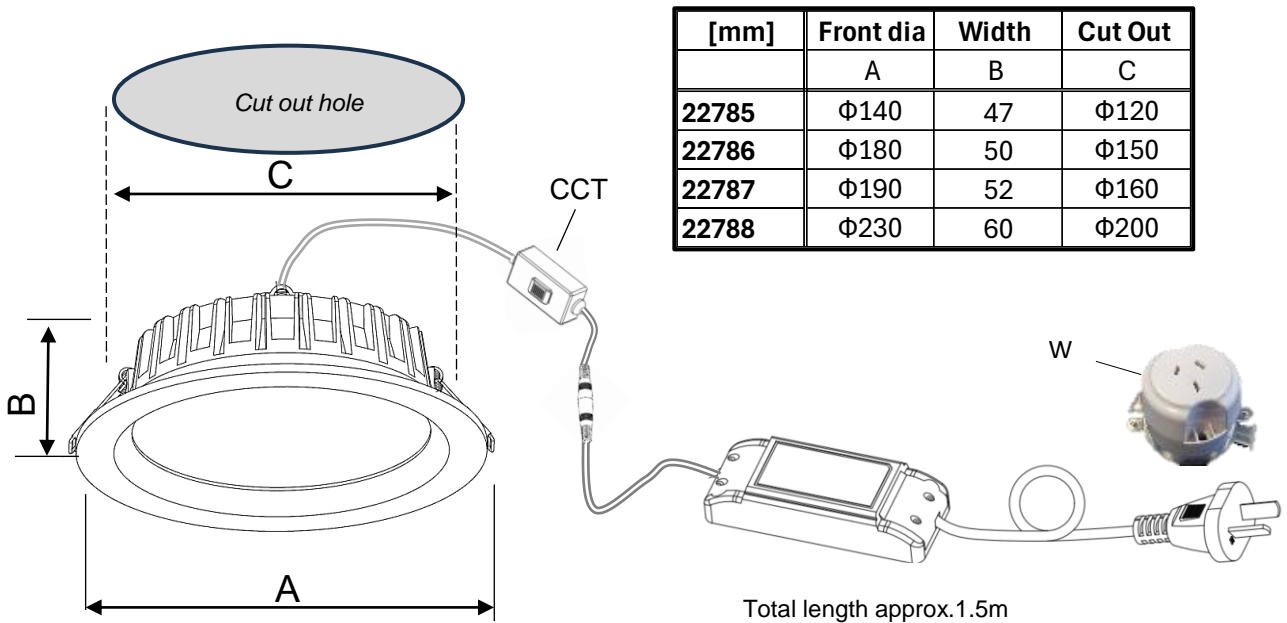


Fig 1

### For Your Safety, please read this instruction manual carefully before installation.

- The installation must follow building regulations and codes.
- Ensure the power is OFF before the installation.
- When drilling into walls and ceilings, care must be taken to ensure you do not damage electrical wiring and other hidden utilities.
- This Downlight is dimmable. See "RECOMMENDED DIMMERS ' section for more details.
- If you are not familiar with this type of fitting or unsure how to install it contact a licenced electrician for installation.

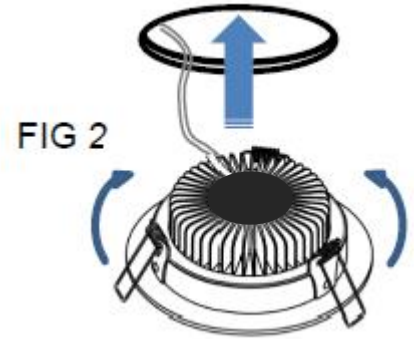


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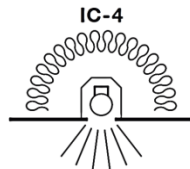
## Installation:

- Ensure the power is switched off.
- Check for hidden cables or utilities in the ceiling before cutting the hole in the plaster.
- Use a hole saw and carefully cut the hole in the plaster. Use suitable personal protection equipment. Hole saws vary in the actual hole size, so it is best to cut a hole in a scrap piece of plaster to check the fit. ( Fig 1)
- Ensure the LED driver is connected to the LED Downlight via male and female connectors.
- Select desired Colour Temperature ( Warm White (3000K), Cool White (4200K) or Daylight 6500K)) via CCT switch.
- Insert the plug, cord and LED driver into the ceiling and connect the plug to a suitable power socket 'W' (\*) **Note: Power socket needs to be installed by qualified electrician.**
- Push the side springs up against the body of the Downlight and gently slide the LED body through the hole and ensure it is flush against the ceiling ( Fig, 2)
- If the Downlight is abutted or covered with thermal insulation, please see "INSULATION RATING IC-4" section for more details.
- Turn the power on.



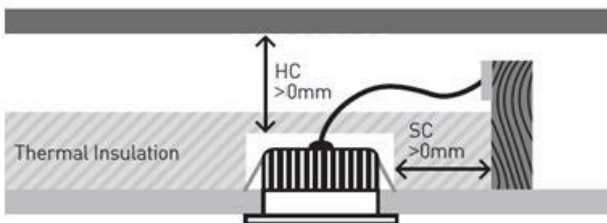
## Insulation Rating IC-4:

This Downlight has achieved an IC insulation rating in accordance with AS/NZS 60598.2.2.



**A TYPE IC-4 RECESSED LUMINAIRE CAN BE ABUTTED AGAINST NORMALLY FLAMMABLE MATERIALS, INCLUDING BUILDING INSULATION, AND CAN BE COVERED IN NORMAL USE.**

Loose-Fill insulation is not recommended to abut or cover the Downlight. IC-4 rating is applicable to the downlight only. Driver must not be covered with thermal insulation.



## Consideration:

Full insulation coverage of the Downlight will increase lumen depreciation resulting in a shorter life span than an open air installation.

DIMENSION	CLEARANCE
SC – Side clearance to thermal insulation and building element	0mm
HC – Height clearance to thermal insulation and building element	0mm



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## Recommended dimmers

Name	Model	22785	22786	22787	22788
		Range % [ From - To]			
Dignet	MEDM	0-100	0-100	0-100	0-100
"	MMDM/RT	5-100	5-100	5-100	5-100
Clipsal	32ELED2M-WE	0-90	0-90	0-90	0-90
"	32E450UDM-WE	10-100	10-100	10-100	10-100
"	42E350RUD2M-VW	5-100	5-100	5-100	5-100
"	32E450TM	10-100	10-100	10-100	10-100
"	32ELED2M	10-100	10-100	10-100	10-100
"	42ELED2M-VW	0-100	0-100	0-100	0-100
CABAC	HNS626DT	5-100	5-100	5-100	5-100
"	HNS636DT	5-100	5-100	5-100	5-100
"	HNS630DT	5-100	5-100	5-100	5-100
TRADER	DIMPBD	5-100	5-100	5-100	5-100
"	DIMR	0-100	0-100	0-100	0-100
CLIPSAL	Universal ICONIC DIM	10-100	10-100	15-100	10-100
DETA	6032B	10-100	10-100	10-100	10-100
VOLTEX	DM300S	10-100	10-100	10-100	10-100
"	DM250X	0-100	0-100	0-100	0-100
HPM	EVM400A2WE	10-100	10-100	10-100	10-100
"	AR400A2PMMGN	10-100	10-100	10-100	10-100
"	AR400A2PMWE	10-100	10-100	10-100	10-100
DETA	6910B	0-100	0-100	0-100	0-100
SAL	SDD350UM- universal	10-100	10-100	10-100	10-100
Brilliant Lighting	22091	0-100	0-100	0-100	0-100
"	22092	0-100	0-100	0-100	0-100
"	20967	10-100	10-100	5-100	5-100
"	21521	10-100	10-100	10-100	10-100
HPM	250TMWE	15-100	15-100	15-100	20-100
"	400LMWE	10-100	10-100	20-100	10-100
SAL	SDA450U	0-100	0-100	0-100	0-100

## Warnings

- To prevent electrical shock, ensure that POWER is DISCONNECTED before installation and or maintenance.
- Installation, maintenance and inspection for safety concerns should be done by a qualified personnel.
- Do not touch any parts of the assembly with bare hands while it is hot.
- Do not install in a position where the fitting can be easily accessed by children.
- Be aware of the height of your installation. Refer to 'Working at Heights' guide from your local or State Authorities.
- Any alterations or additions to building wiring **must be completed by a licensed electrician** or person authorised by legislation to work on the fixed wiring of any electrical installation.
- Do not disassemble or remould the product to avoid electrical shock or to cause failure of the light.



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## Technical Specification

Model	22785	22786	22787	22788
Power	13W	15W	18W	24W
Input Voltage to driver	220-240V~ 50Hz			
LED Driver	18776	18777	18778	18779
LED CCT	Warm White - Cool White- Daylight			
Efficacy [lm/W]	<80lm/W	<93lm/W	<97lm/W	<94lm/W
Lumen output max	1000lm	1300lm	1700lm	2150lm
IP	IP20, IP44 ( front only)			
Safety Class	Drivers: Class II; LED assembly: Class III			
Diffuser	Frosted PMMA flat plate			
Housing Material	Die Cast Aluminium			
Beam Angle	100°			
Cable & plug	2Pin SAA plug and cable attached to the driver			
Dimming	Refer to the dimming page			
Size	Φ140 x 47mm	Φ180 x 50mm	Φ190 x 52mm	Φ230 x 60mm
Cut Out	Φ120mm	Φ150mm	Φ160mm	Φ200mm
Weight	0.33kg	0.45kg	0.5kg	0.9kg

### Warranty:

Brilliant Lighting warrants this product against defects in manufacture and workmanship for a period of 3 years from date of purchase or as specified on the packaging. For products used in non-domestic or commercial applications, Brilliant Lighting warrants this product for a period of 3 months from date of purchase. This warranty is only valid for products installed by a qualified electrical contractor and operated within the guidelines specified by Brilliant Lighting, and within the correct operating voltage ranges as stated on the product's rating label. Warranty does not include damage or loss arising from incorrect installation, operation or maintenance of this product, damage caused through modification, incorrect installation, service by unqualified or unauthorised personnel or lack of regular maintenance and cleaning. Proof of installation by qualified personnel may be required, eg. Electrical Safety Certificate. Proof of purchase must be supplied with all warranty claims. This warranty is provided in addition to any other rights and remedies of the customer under any law. In applications not intended for household, personal or domestic use, liability is limited to replacement or reimbursement of product only. Brilliant Lighting does not warranty the costs of removal or re-installation of this product or associated components.

*Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if goods fail to be of acceptable quality and the failure does not amount to a major failure.*

Any claim under this warranty must be made within 3 years of the date of purchase of the product. To make a claim under the warranty; at your own expense take the product (with proof of purchase – receipt or similar) to the store where you purchased the product or contact Brilliant Lighting at the address below.

This warranty is given by:

**Brilliant Lighting (Aust) Pty. Ltd.**  
**ABN 37 006 203 694**  
**956 Stud Road Rowville, VIC 3178**  
**Phone: 03 9765 2555**  
**Email: [warranty@brilliantlighting.com.au](mailto:warranty@brilliantlighting.com.au)**  
**Made in China**

### Environmental Protection:

This electrical product should not be disposed as normal waste. Please always recycle! Check with your Local Council about your recycle options.

