



AUSTRALIAN
DESIGNED



LIGHTS
DIMMABLE



LAST
50,000HRS



5 YEAR
WARRANTY

Look Up!

To the world's first
50W halogen equivalent,
LED downlight.



D900TM
LED DOWNLIGHT



Brightgreen[®]

D900 Applications

Home

2 YEAR
PAYBACK



5YR EXTENDED WARRANTY



6HRS DAILY USE



At 900 lumens, the D900 is ideal for homes. It offers the same benefits of Halogen with the reduced environmental impact, zero maintenance and low energy consumption that is expected from LED. The D900 is dimmable using any type of dimming system for standard wall dimming or home automation.

Retail

1 YEAR
PAYBACK



5YR EXTENDED WARRANTY



12HRS DAILY USE



The D900 offers great light quality for retail and hospitality applications. With its high CRI (90) it means product, people and interiors will look as good as they can. With high daily use in these areas the D900 has an exceptionally fast payback period.

Office

1 YEAR
PAYBACK



5YR EXTENDED WARRANTY



10HRS DAILY USE



The D900 offers a high efficacy of 56lm/w and 70lm/W for the D1000 which significantly reduces office energy consumption while maintaining the same lux levels required for OHS standards. The D900 is solid state which means no headaches common to fluorescents that switch on and off rapidly.

Hotel

1 1/2 YEAR
PAYBACK



5YR EXTENDED WARRANTY



18HRS DAILY USE



For high use and high access the D900 offers the incredibly short payback of 6 months while offering the same splendid light quality of a halogen. With a 5 year warranty, the D900 will offer a tenfold profit at the warranty horizon, and a thirty fold profit at its product life horizon with the addition of zero maintenance along the way.

Features & Benefits D900

900 lumens

The D900 is the only 16 Watt LED to match a halogen light output (almost double the light output of other 16W LED's).

Solid State Fan

This patented fan with no moving parts will keep the D900 running cool for years to come in hot Australian conditions.

Zero Fire Risk

The Brightgreen heat sink reaches a maximum of 65°C and only requires 20mm clearance to operate efficiently, well below the 200mm Australian standard for halogens.

Fast Payback Period

Payback is fast, with Solar panels at 15 year payback the D900 is an easy eco choice at 2years for homes and 1 year for commercial.

Perfect light quality

With its high CRI (90) products, people and interiors will look as good as they can.

Universally Dimmable

Brightgreen has been making dimmable LEDs for years. But the D900 is the first of its kind to work with normal Leading and Trailing edge dimmers resulting in a more versatile aesthetic and faster installations.

Pre-Assembled

The D900's are pre-assembled ready to install. They come with a three pin plug built in so just "drill and plug" and you're in business.

Gimble

Adjusting your lighting design after installation is easy with the built in Gimble, allowing you to adjust the light direction by up to 15°.

Flicker Free

The D900's are solid state. Unlike fluorescents this means they are always on. This means no more flicker and no more headaches.

Efficient

The D series operates at up to 70lm/W; five times more efficient than halogens.

Perfect Light

The D900 is exactly the same color temperature as a halogen: 3000k. The D1000 is the same as sunlight: 5000k.

One Light

The D900 has a lean aesthetic from its custom single LED chip made in Japan.

UV Free

Unlike halogens and fluorescents the D900 is free from UV light. This means no skin damage and no fading of furnishings.

Mercury Free

Free from Mercury, Lead, Hexavalent Chromium and all other heavy metals considered toxic to the environment and our food chain.

Low Glare Lens

The patented Lens design ensures glare is reduced significantly.

Instant

Unlike fluorescents, the D900 turns on instantly. That means you get the light when you want it. No more trips to the bathroom with your night vision goggles.

90mm Hole Cutout

The D900 requires the same hole cut-out as a 50W halogen, making it even easier for a professional electrician to install or for anyone to complete a retrofit.

50,000 hrs Life

The D900 is designed for Australian heat conditions lasting 15 times longer than halogen and much longer than other LEDs designed for temperate conditions.



PAYBACK* CALCULATION TABLE

USAGE HRS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
YEARS	12.42	6.21	4.14	3.11	2.48	2.07	1.77	1.55	1.38	1.24	1.13	1.04	0.96	0.89	0.83	0.78	0.73	0.69	0.65	0.62	0.59	0.56	0.54	0.52

*AVERAGE RESIDENTIAL PAYBACK.

The D900 stands out as having the fastest payback of any eco technology on the market. With Solar panels averaging a 15 year payback and a D900 averaging only 2 years, its an easy decision. Infact, with a 5 year comprehensive guarantee and a designed life of 15 years, its elemental.

This table does not account for the additional cost of the proposed increases to power prices, the higher price of "green power" and the time and money saved from not having to replace halogen bulbs. Cost of purchase is based on the RWP and the comparative cost of buying a mid level halogen kit.

D900

Technical Details



SILVER

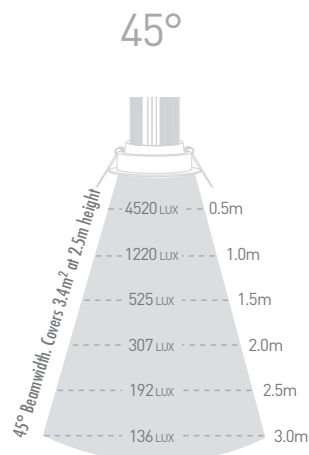
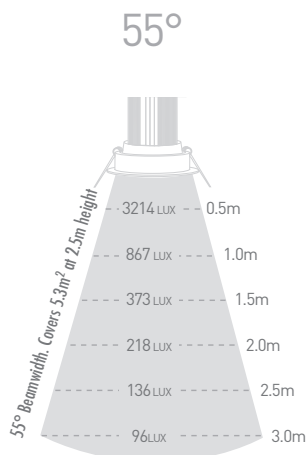


ORDER CODE#
BG-D900-55-S

WHITE



ORDER CODE#
BG-D900-55-W



SILVER



ORDER CODE#
BG-D900-45-S

WHITE



ORDER CODE#
BG-D900-45-W

THE D900 IS A FULLY INTEGRATED 903lm WARM WHITE DOWNLIGHT THAT IS RECOMMENDED FOR MOOD SENSITIVE APPLICATIONS THAT REQUIRE HIGH QUALITY LIGHT.

D1000

Technical Details



SILVER

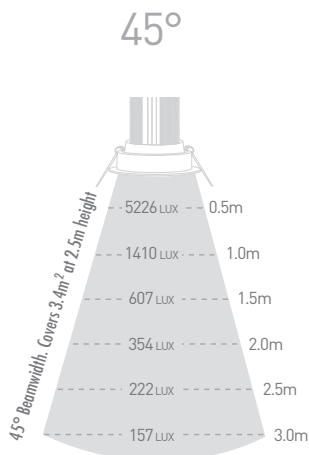
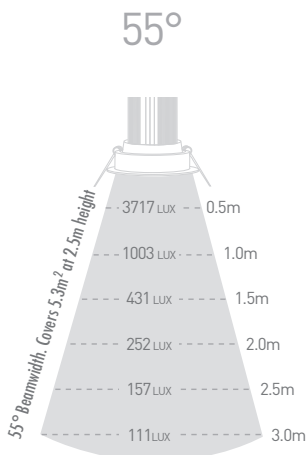


ORDER CODE#
BG-D1000-55-S

WHITE



ORDER CODE#
BG-D1000-55-W



SILVER



ORDER CODE#
BG-D1000-45-S

WHITE

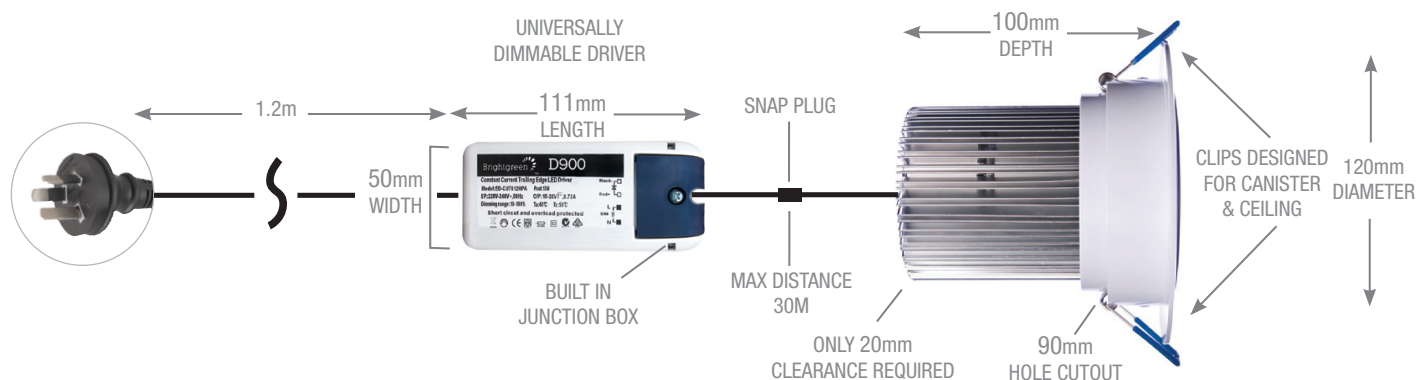


ORDER CODE#
BG-D1000-45-W

THE D1000 IS A FULLY INTEGRATED 1083lm COOL WHITE DOWNLIGHT THAT IS RECOMMENDED FOR TASK INTENSIVE APPLICATIONS REQUIRING EXTRA HIGH BRIGHTNESS

D900/D1000 Fully Preassembled

TO REDUCE INSTALL TIME D900/D1000 COME FULLY PREASSEMBLED AS SHOWN IN THE DIAGRAM BELOW.



Where to Purchase

Both the D900 & D1000 can be ordered from quality lighting stores most major electrical wholesalers, including Middys. For information on your closest store visit www.brightgreen.net.au

Photometric tables and IES files for the D900/D1000 can be found at www.brightgreen.net.au. Both products are designed in Australia. Parts are made in many countries including Japan and Germany. Final assembly occurs in China under an ISO 9001 quality control system. The Brightgreen® website has all the additional information you'll need. If you can't find what you are looking for, contact us at info@brightgreen.net.au or 1300 672 499.

note: D12 has independent driver

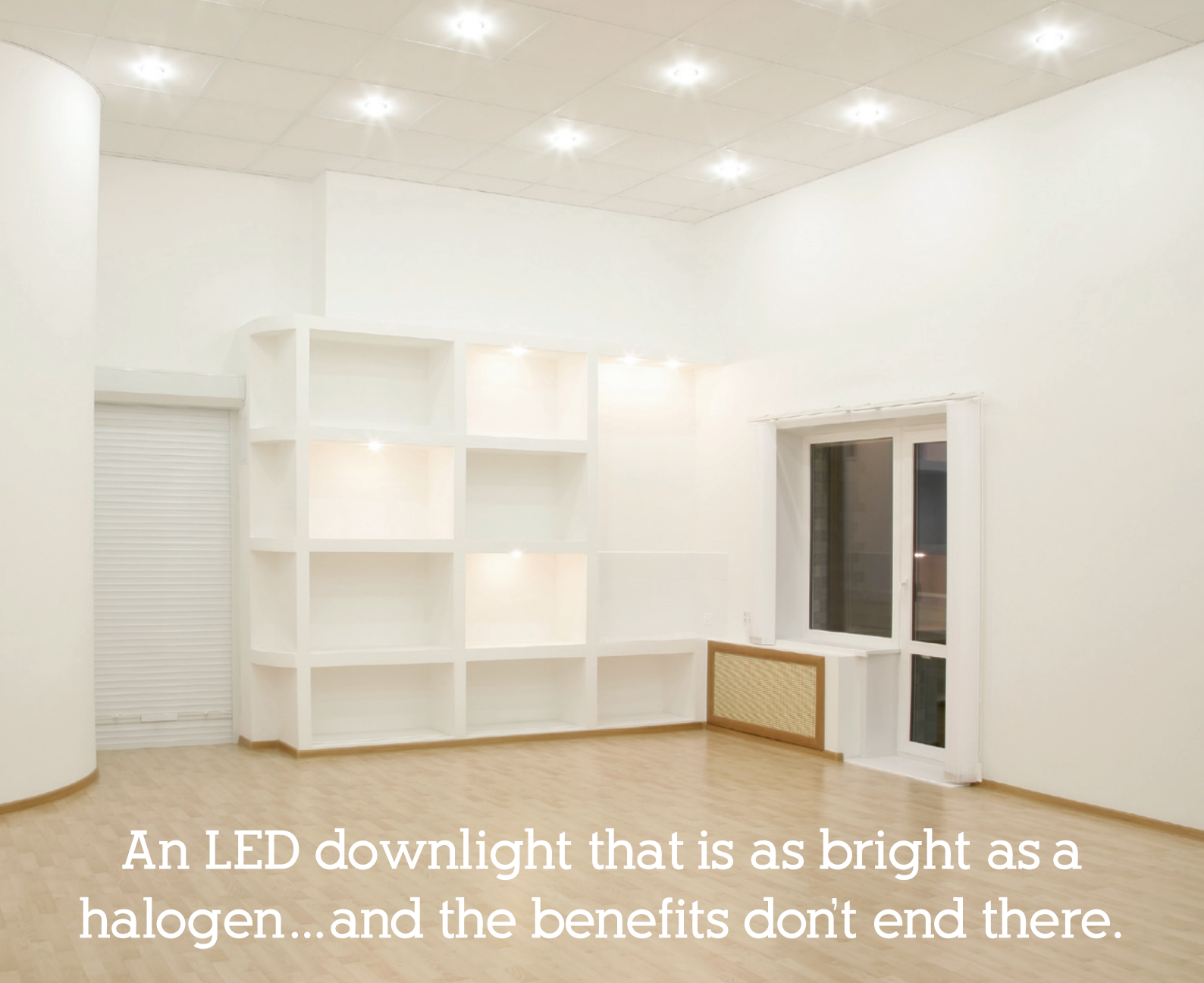


Year	Total Population (millions)	Population aged 65 and over (millions)
Year 1 (2010)	160	100
Year 2 (2011)	165	125
Year 3 (2012)	170	160
Year 4 (2013)	175	195
Year 5 (2014)	180	240
Year 6 (2015)	190	275

Year	2001 Projection (Millions)	2016 Projection (Millions)
Year 1 (2001)	165	115
Year 2 (2002)	175	155
Year 3 (2003)	180	210
Year 4 (2004)	190	260
Year 5 (2005)	195	320
Year 6 (2006)	210	385

Year	2010 Projection (Millions)	2020 Projection (Millions)
Year 1 (2010)	160	140
Year 2 (2015)	180	240
Year 3 (2020)	200	330
Year 4 (2025)	220	430
Year 5 (2030)	230	540
Year 6 (2035)	260	670

For more information please phone **1300 672 499**
or visit us online at **www.brightgreen.net.au**



An LED downlight that is as bright as a halogen...and the benefits don't end there.

Design Benefits

Same light intensity as a 50W halogen. Dimmable. High Colour Rendering Index (CRI) 87 for a higher light quality. Balanced spread spectrum for warm and cool light. Fast "drill and power" installation. Adjustable direction angle up to 30°. Snap ceiling bracket and directional downlight. Spark eroded die cast aluminum housing. Turns on instantly. Fully integrated and assembled. Includes Brightgreen light engine.

Eco Benefits

Most efficient and brightest LED downlights on the market. Low embodied energy from production and shipping. Unit efficiency of up to 85 lumens per watt. Entire unit designed to last 15-30 years (50,000-100,000 hrs) RoHS Compliant. Totally recyclable through conventional recycling methods. Free from Mercury, Lead, Cadmium, Hexavalent chromium, Polybrominated biphenyls Polybrominated diphenyl ether. No further maintenance equals no additional embodied energy.

Economic Benefits

Lower power consumption. Lower install costs. Long life = low maintenance costs. Improve the value of your property. For more comprehensive cost benefits refer to comparison chart on back page or check out our Retrofit Calculator on line.

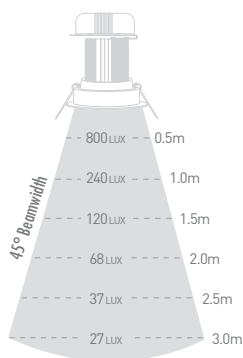
Safety Benefits

Low heat loss = low fire risk, 68 degree celcius maximum temp, Insulation friendly, Skin friendly Ultra Violet (UV) free. No EMF radiation. Solid state lighting. Flicker and headache free.

The D3 is an efficient feature Cool LED light for accent lighting in bathrooms, above vanity basins, beds and bars. The D3 uses only 3W.



3 Watts



Warm

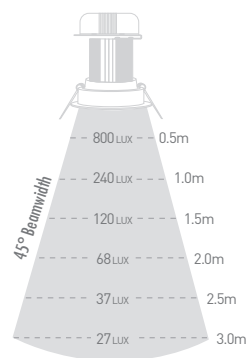


(135 Lumens)

Cool



(165 Lumens)



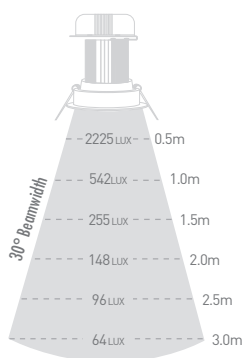
Available Colours: Silver or Custom
Light temperature: Warm 3100k, Cool 5000k

D3

An MR16 and GU-10 downlight bulb replacement for standard downlight fittings. The DR6 uses only 6W and is suitable for low to mid level lighting applications



6 Watts



Warm

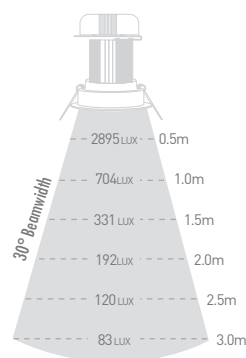


(252 Lumens)

Cool



(320 Lumens)



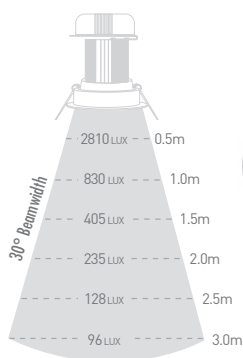
AC/DC Compatible. Just replace bulb.
Available Colours: White, Silver, Black, Custom
Light temperature: Warm 3100k, Cool 5000k

DR6

Fully integrated for mid-level lighting applications. Appropriate for most non-task areas lounge rooms, bedrooms, TV entertainment areas.



9 Watts



Warm

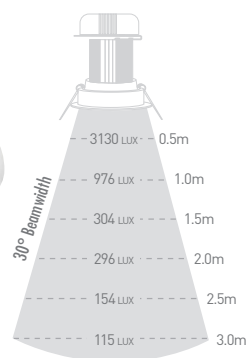


(401 Lumens)

Cool



(495 Lumens)



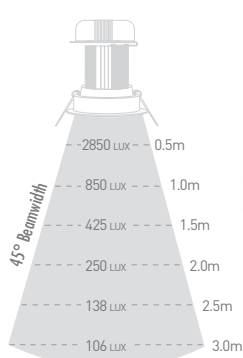
30° D9 same lux level as a 55° 50W halogen
Available Colours: Silver or Custom
Light temperature: Warm 3100k, Cool 5000k

D9

A fully integrated, very bright LED light that is suited to main living entertainment areas and task lighting such as studies, living rooms and kitchens.



12 Watts



Warm

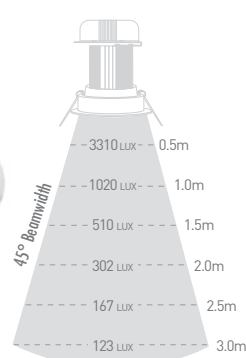


(532 Lumens)

Cool



(662 Lumens)



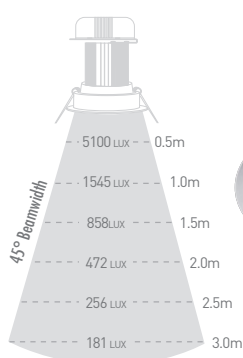
45° D12 same lux level as a 55° 50W halogen
Available Colours: White, Silver, Custom
Light temperature: Warm 3100k, Cool 5000k

D12

A fully integrated super bright LED light. High level output for task lighting such as studies kitchens, or foyers. Perfect for high ceilings in large spaces.



21 Watts



Warm

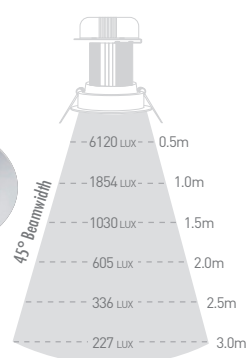


(930 Lumens)

Cool



(1155 Lumens)



Available Colours: Silver or Custom
Light temperature: Warm 3100k, Cool 5000k

D21