



The perfect energy efficient LED replacement for conventional downlights

Essential SmartBright G2 LED Downlight DN029B

The Philips SmartBright G2 LED downlight provides a professional and flexible solution for a wide variety of applications. Offering three selectable colour temperatures plus integrated dimming capability, the G2 downlight makes it really easy to create the perfect ambience for your unique environment. This affordable and quick to install fitting delivers high energy savings without compromising on light quality.

Benefits

- Available in 4 standard ratings and sizes: 7.5W/800lm, 9W/1000lm, 10.5W/1200lm, 18W/2000lm.
- The 7.5W/800lm variant is also available to order in a cost effective and convenient 10 pack.
- Discreet and attractive design finish to blend perfectly into a broad spectrum of home or business environments.
- Easy 'clip-in-place' mounting and power connection to reduce overall installation time.

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Features

- Select from three colour temperatures with a slide of the switch. (Warm White, Cool White, Daylight)
- Trailing/leading edge dimmable for easy light level and ambience adjustment.
- Pre-cabled as standard with 0.8m cord and power plug.
- 3 year warranty with 30,000h (L70) rated lifetime.

Application

- General residential and commercial buildings installations.
- Homes - living areas, bedrooms, passage ways etc.
- Commercial - office areas, corridors, shop fronts, retail spaces, meeting rooms.

Versions



Application Conditions	
Ambient temperature range	-20 to +40 °C
Approval and Application	
Mech. impact protection code	IK03
Ingress protection code	IP40/IP54 front
Controls and Dimming	
Dimmable	Yes
Operating and Electrical	
Input Voltage	220 to 240 V V
General Information	
Protection class IEC	Safety class II (II)
Light source replaceable	No
Initial Performance (IEC Compliant)	
Init. Colour rendering index	80
Mechanical and Housing	
Colour	White

Order Code	Full Product Name	Driver failure rate at 5,000 hours
929002531219	DN029B G2 LED8/CCT PSR-E D90 CAU	1.2 %
929002531249	DN029B G2 LED8/CCT PSR-E D90 CAU 10-PK	1.2 %
929002531419	DN029B G2 LED10/CCT PSR-E D120 CAU	1.2 %
929002531619	DN029B G2 LED12/CCT PSR-E D150 CAU	1.2 %
929002531719	DN029B G2 LED20/CCT PSR-E D200 CAU	1.2 %
929002531849	DN029B G2 LED8/WW PSR-E D90 CAU 20-PK	1.6 %
929002531949	DN029B G2 LED8/NW PSR-E D90 CAU 20-PK	1.6 %

Initial Performance (IEC Compliant) (1/2)

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Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour	Temperature	Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour	Temperature	Initial input power	Initial lumens	Initial efficacy
929002531219	DN029B G2 LED8/CCT PSR-E D90 CAU	(3000K@, 0.4400, 0.40304000K@0.37600.36566500K@0.31300.3370)	3000, 4000, 6500 K	106.00 lm/W	8000150	DN029B G2 LED20/CCT PSR-E D200 CAU	(3000K@, 0.4400, 0.40304000K@0.37600.36566500K@0.31300.3370)	3000, 4000, 6500 K	110.00 lm/W	106.00 W	1100 lm	10.37 lm/W
929002531249	DN029B G2 LED8/CCT PSR-E D90 CAU 10-PK	(3000K@, 0.4400, 0.40304000K@0.37600.36566500K@0.31300.3370)	3000, 4000, 6500 K	106.00 lm/W	8000150	DN029B G2 LED8/WW PSR-E D90 CAU 20-PK	(3000K@, 0.4400, 0.40304000K@0.37600.36566500K@0.31300.3370)	3000 K	106.00 lm/W	106.00 W	1060 lm	10.00 lm/W
929002531419	DN029B G2 LED10/CCT PSR-E D120 CAU	(3000K@, 0.4400, 0.40304000K@0.37600.36566500K@0.31300.3370)	3000, 4000, 6500 K	111.00 lm/W	1000150	DN029B G2 LED8/NW PSR-E D90 CAU 20-PK	(4000K@, 0.3800, 0.3800) 6	4000 K	106.00 lm/W	106.00 W	1060 lm	10.00 lm/W
929002531619	DN029B G2 LED12/CCT PSR-E D150 CAU	(3000K@, 0.4400, 0.40304000K@0.37600.36566500K@0.31300.3370)	3000, 4000, 6500 K	114.00 lm/W	1200150	DN029B G2 LED8/NW PSR-E D90 CAU 20-PK	(4000K@, 0.3800, 0.3800) 6	4000 K	106.00 lm/W	106.00 W	1060 lm	10.00 lm/W

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power	Order Code	Full Product Name	Initial input power
929002531219	DN029B G2 LED8/CCT PSR-E D90 CAU	7.5 W	929002531719	DN029B G2 LED20/CCT PSR-E D200 CAU	18 W
929002531249	DN029B G2 LED8/CCT PSR-E D90 CAU 10-PK	7.5 W	929002531849	DN029B G2 LED8/WW PSR-E D90 CAU 20-PK	7.5 W
929002531419	DN029B G2 LED10/CCT PSR-E D120 CAU	9 W	929002531949	DN029B G2 LED8/NW PSR-E D90 CAU 20-PK	7.5 W
929002531619	DN029B G2 LED12/CCT PSR-E D150 CAU	10.5 W			

