



The perfect energy efficient LED replacement for conventional downlights

SmartBright LED Downlight DN029B

SmartBright Downlight family is the perfect energy efficient LED replacement for conventional downlights. It offers three solutions:

Solution 1 The energy efficient LED replacement for conventional downlights Essential SmartBright Downlight G3 DN029B-1 – trailing and leading edge dimmable downlight is the ideal functional replacement for conventional downlights. This affordable and easy to install fitting delivers high energy savings without compromising on light quality.

Solution 2 Select the right colour temperature to suit your style This hassle-free Essential SmartBright DN029B-2 downlight provides you with the flexibility to select the perfect colour temperature (Warm White/Cool White/Day Light) for the application. Integrated with trailing/leading edge dimming capability, this affordable and easy to install fitting delivers high energy savings without compromising on light quality.

Solution 3 Enjoy the flexibility of a dimmable fitting without paying more Essential SmartBright DN029B-3 step dimming downlight is the perfect hassle-free replacement for conventional dimmable downlights. Adjust the light level straight from the switch and save cost with installation as a dimmer unit is not required.

Benefits

- Reliable LED downlight for residential and general lighting applications
- Easy to install and IC-4 rated
- 3 years warranty

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Features

- Trailing/leading edge dimmable
- Select from 3 colour temperatures with a slide of the dial
- IP54 front cover
- High efficiency for energy savings

Application

- Residential and general lighting

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
Light source replaceable	No
Initial performance (IEC compliant)	
Init. Color Rendering Index	80
Mechanical and housing	
Color	White

Order Code	Full Product Name	Driver failure rate at 5000 h
929002531219	DN029B G2 LED8/CCT PSR-E D90 CAU	1.2 %
929002531249	DN029B G2 LED8/CCT PSR-E D90 CAU 10-PK	1.2 %
929002531319	DN029B G2 LED8/CCT PSR-E D90 NZ	1.2 %
929002531419	DN029B G2 LED10/CCT PSR-E D120 CAU	1.2 %
929002531519	DN029B G2 LED10/CCT PSR-E D120 NZ	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 %
929002532049	DN029B G2 LED8/CW PSR-E D90 CAU 20-PK	1.6 %

Initial performance (IEC compliant) (1/2)

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Order Code	Full Product Name	Init. Corr. Color	Initial	
			LED luminaire efficacy	Initial luminous flux
929002531219	DN029B G2 LED8/CCT PSR-E D90 CAU	(3000K@, 0.4400, 3000, 4000, 6500 K	106.00 lm/W	800 lm
929002531249	DN029B G2 LED8/CCT PSR-E D90 CAU 10-PK	(3000K@, 0.4400, 3000, 4000, 6500 K	106.00 lm/W	800 lm
929002531319	DN029B G2 LED8/CCT PSR-E D90 NZ	(3000K@, 0.4400, 3000, 4000, 6500 K	106.00 lm/W	800 lm
929002531419	DN029B G2 LED10/CCT PSR-E D120 CAU	(3000K@, 0.4400, 3000, 4000, 6500 K	111.00 lm/W	1000 lm
929002531519	DN029B G2 LED10/CCT PSR-E D120 NZ	(3000K@, 0.4400, 3000, 4000, 6500 K	111.00 lm/W	1000 lm
929002531619	DN029B G2 LED12/CCT PSR-E D150 CAU	(3000K@, 0.4400, 3000, 4000, 6500 K	114.00 lm/W	1200 lm

Order Code	Full Product Name	Init. Corr. Color	Initial	
			LED luminaire efficacy	Initial luminous flux
929002531719	DN029B G2 LED20/CCT PSR-E D200 CAU	(3000K@, 0.4400, 3000, 4000, 6500 K	111.00 lm/W	2000 lm
929002531849	DN029B G2 LED8/WW PSR-E D90 CAU 20-PK	(3000K@, 0.4400, 3000 K	106.00 lm/W	800 lm
929002531949	DN029B G2 LED8/NW PSR-E D90 CAU 20-PK	(4000K@, 0.3800, 4000 K	106.00 lm/W	800 lm
929002532049	DN029B G2 LED8/CW PSR-E D90 CAU 20-PK	(6500K@, 0.3130, 6500 K	106.00 lm/W	800 lm

Initial performance (IEC compliant) (2/2)

Order Code	Full Product Name	Initial input power
929002531219	DN029B G2 LED8/CCT PSR-E D90 CAU	7.5 W
929002531249	DN029B G2 LED8/CCT PSR-E D90 CAU 10-PK	7.5 W
929002531319	DN029B G2 LED8/CCT PSR-E D90 NZ	7.5 W
929002531419	DN029B G2 LED10/CCT PSR-E D120 CAU	9 W
929002531519	DN029B G2 LED10/CCT PSR-E D120 NZ	9 W

Order Code	Full Product Name	Initial input power
929002531619	DN029B G2 LED12/CCT PSR-E D150 CAU	10.5 W
929002531719	DN029B G2 LED20/CCT PSR-E D200 CAU	18 W
929002531849	DN029B G2 LED8/WW PSR-E D90 CAU 20-PK	7.5 W
929002531949	DN029B G2 LED8/NW PSR-E D90 CAU 20-PK	7.5 W
929002532049	DN029B G2 LED8/CW PSR-E D90 CAU 20-PK	7.5 W

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