



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 1The energy efficient LED replacement for conventional downlightsEssential 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 2Select the right colour temperature to suit your styleThis 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 3Enjoy the flexibility of a dimmable fitting without paying moreEssential 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

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

SmartBright LED Downlight DN029B

Features

- · Trailing/leading edge dimmable
- \cdot 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 Comp	oliant)
Init. Color Rendering Index	80
Machanian and Hausina	
Mechanical and Housing	

Full Product Name	Driver failure rate at 5000 h
DN029B G2 LED8/CCT PSR-E D90 CAU	1.2 %
DN029B G2 LED8/CCT PSR-E D90 CAU 10-PK	1.2 %
DN029B G2 LED8/CCT PSR-E D90 NZ	1.2 %
DN029B G2 LED10/CCT PSR-E D120 CAU	1.2 %
DN029B G2 LED10/CCT PSR-E D120 NZ	1.2 %
DN029B G2 LED12/CCT PSR-E D150 CAU	1.2 %
DN029B G2 LED20/CCT PSR-E D200 CAU	1.2 %
DN029B G2 LED8/WW PSR-E D90 CAU 20-PK	1.6 %
DN029B G2 LED8/NW PSR-E D90 CAU 20-PK	1.6 %
DN029B G2 LED8/CW PSR-E D90 CAU 20-PK	1.6 %
	DN029B G2 LED8/CCT PSR-E D90 CAU DN029B G2 LED8/CCT PSR-E D90 CAU 10-PK DN029B G2 LED8/CCT PSR-E D90 NZ DN029B G2 LED10/CCT PSR-E D120 CAU DN029B G2 LED10/CCT PSR-E D120 NZ DN029B G2 LED12/CCT PSR-E D150 CAU DN029B G2 LED12/CCT PSR-E D150 CAU DN029B G2 LED8/WW PSR-E D90 CAU 20-PK DN029B G2 LED8/NW PSR-E D90 CAU 20-PK

Initial Performance (IEC Compliant) (1/2)

SmartBright LED Downlight DN029B

								Init
	Full		Init. Corr.		Full		Init. Corr.	LE
	Product		Color		Product		Color	lun
Order Code	Name	Initial chromaticy	•	Order Code	Name	Initial chromaticy	Temperature	
929002531219		(3000K@, 0.4400,				(3000K@, 0.4400,	3000, 4000,	
	G2	0.40304000K@0.37600.36566500K@0.31300.3370)	6500 K	lm/W	G2	0.40304000K@0.37600.36566500K@0.31300.3370)	6500 K	lm,
	LED8/C	6			LED20/	6		
	CT PSR-				CCT			
	E D90				PSR-E			
	CAU				D200			
929002531249		(3000K@, 0.4400,	3000, 4000		800CIANU			
	G2	0.40304000K@0.37600.36566500K@0.31300.3370)	6500 K	929m)(0M253184		(3000K@, 0.4400, 0.4030) 6	3000 K	106
	LED8/C	6			G2			lm,
	CT PSR-				LED8/W			
	E D90				W PSR-			
	CAU 10-				E D90			
020002521210	PK	(2000)(0.0.4400	2000 4000	100.00	CAU			
929002531319	G2	(3000K@, 0.4400,	3000, 4000		8002l0nPK	(4000)(© 0.3900 0.3900) C	4000 K	100
	LED8/C	0.40304000K@0.37600.36566500K@0.31300.3370)	6500 K	92810/018253194	49 DN029B	(4000K@, 0.3800, 0.3800) 6	4000 K	106 lm,
	CT PSR-	0			LED8/N			um/
	E D90				W PSR-			
	NZ				E D90			
929002531419		(3000K@, 0.4400,	3000, 4000	111.00	100 Q Abbi			
323002331413	G2	0.40304000K@0.37600.36566500K@0.31300.3370)		lm/W	20-PK			
	LED10/	·	0300 K			(6500K@, 0.3130, 0.3370) 6	6500 K	106
	CCT			3230023320	G2	(03001(@, 0.3130, 0.3370) 0	0500 K	lm,
	PSR-E				LED8/C			,
	D120				W PSR-			
	CAU				E D90			
929002531519		(3000K@, 0.4400,	3000, 4000), 111.00	100 Q Abb			
	G2	0.40304000K@0.37600.36566500K@0.31300.3370)		lm/W	20-PK			
	LED10/	·		•				
	CCT							
	PSR-E							
	D120 NZ							
929002531619	DN029B	(3000K@, 0.4400,	3000, 4000), 114.00	1200 lm			
	G2	0.40304000K@0.37600.36566500K@0.31300.3370)	6500 K	lm/W				
	LED12/C	·		•				
	CT PSR-							
	E D150							
	CAU							

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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