



# Less Hassle, More Savings

## Essential SmartBright LED Downlight G2

Essential SmartBright G2 LED Downlight is value for money product with high efficacy, good quality and reliability. It offers multiple configurations from 300lm to 2000lm output, to replace conventional downlight. It can be used for shopping mall, retail store, residential and office. It's an ideal product family to distribute in trade market.

### Benefits

- Reliability and safety: meets national and international regulation
- Energy saving: High system efficacy with lower power consumption
- Diversity: One stop shopping with multiple choices of recess round, square as well as surface-mount to fit your dedicated applications
- Easy to install with slim design

### Features

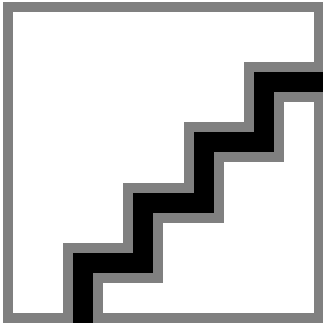
- Long life time: 20Khrs (L70B50@25°C)
- System efficiency: up to 85lm/W
- One family offers recess round, square and surface mount options
- Slim design: 33mm housing body height

### Application

- Retail
- Office
- Residential

# Essential SmartBright LED Downlight G2

## Versions



DN027B/DN003B/DN004B D90 RD



DN027B/DN003B/DN004B L100 SQ

## Product details



Essential SmartBright DN027B  
Round



Essential SmartBright DN027B  
Square



Essential SmartBright DN027C  
Round

### Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

### General Information

Driver included	Yes
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### Initial Performance (IEC Compliant)

Init. Color Rendering Index	80
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## Application Conditions

Order Code	Full Product Name	Ambient temperature range	Suitable for random switching
911401811397	DN027B LED9/CW D125 RD	-20 to +40 °C	Not applicable
911401811797	DN027B LED9/WW D150 RD	-20 to +40 °C	Not applicable

Order Code	Full Product Name	Ambient temperature range	Suitable for random switching
911401811997	DN027B LED9/CW D150 RD	-20 to +40 °C	Not applicable
911401812297	DN027B LED12/CW D150 RD	-20 to +40 °C	Not applicable

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Order Code	Full Product Name	Ambient temperature range	Suitable for random switching
911401812397	DN027B LED12/WW D175 RD	-20 to +40 °C	Not applicable
911401812597	DN027B LED12/CW D175 RD	-20 to +40 °C	Not applicable
911401812697	DN027B LED15/WW D175 RD	-20 to +40 °C	Not applicable
911401812897	DN027B LED15/CW D175 RD	-20 to +40 °C	Not applicable
911401813297	DN027B LED20/WW D200 RD	-20 to +40 °C	Not applicable
911401813497	DN027B LED20/CW D200 RD	-20 to +40 °C	Not applicable
911401815697	DN027C LED9/WW D150	-	-
911401815997	DN027C LED12/WW D175	-	-
911401816197	DN027C LED12/CW D175	-	-

Order Code	Full Product Name	Ambient temperature range	Suitable for random switching
911401816297	DN027C LED15/WW D200	-	-
911401816497	DN027C LED15/CW D200	-	-
911401816597	DN027C LED20/WW D225	-	-
911401816797	DN027C LED20/CW D225	-	-
911401813897	DN027B LED6/WW L100 SQ	-20 to +40 °C	Not applicable
911401814497	DN027B LED9/WW L125 SQ	-20 to +40 °C	Not applicable
911401814997	DN027B LED6/CW L150 SQ	-20 to +40 °C	Not applicable
911401815297	DN027B LED9/CW L150 SQ	-20 to +40 °C	Not applicable
911401815597	DN027B LED12/CW L150 SQ	-20 to +40 °C	Not applicable

### Controls and Dimming

Order Code	Full Product Name	Dimmable
911401811397	DN027B LED9/CW D125 RD	No
911401811797	DN027B LED9/WW D150 RD	No
911401811997	DN027B LED9/CW D150 RD	No
911401812297	DN027B LED12/CW D150 RD	No
911401812397	DN027B LED12/WW D175 RD	No
911401812597	DN027B LED12/CW D175 RD	No
911401812697	DN027B LED15/WW D175 RD	No
911401812897	DN027B LED15/CW D175 RD	No
911401813297	DN027B LED20/WW D200 RD	No
911401813497	DN027B LED20/CW D200 RD	No
911401815697	DN027C LED9/WW D150	-

Order Code	Full Product Name	Dimmable
911401815997	DN027C LED12/WW D175	-
911401816197	DN027C LED12/CW D175	-
911401816297	DN027C LED15/WW D200	-
911401816497	DN027C LED15/CW D200	-
911401816597	DN027C LED20/WW D225	-
911401816797	DN027C LED20/CW D225	-
911401813897	DN027B LED6/WW L100 SQ	No
911401814497	DN027B LED9/WW L125 SQ	No
911401814997	DN027B LED6/CW L150 SQ	No
911401815297	DN027B LED9/CW L150 SQ	No
911401815597	DN027B LED12/CW L150 SQ	No

### Operating and Electrical

Order Code	Full Product Name	Input Voltage
911401811397	DN027B LED9/CW D125 RD	220-240 V
911401811797	DN027B LED9/WW D150 RD	220-240 V
911401811997	DN027B LED9/CW D150 RD	220-240 V
911401812297	DN027B LED12/CW D150 RD	220-240 V
911401812397	DN027B LED12/WW D175 RD	220-240 V
911401812597	DN027B LED12/CW D175 RD	220-240 V
911401812697	DN027B LED15/WW D175 RD	220-240 V
911401812897	DN027B LED15/CW D175 RD	220-240 V
911401813297	DN027B LED20/WW D200 RD	220-240 V
911401813497	DN027B LED20/CW D200 RD	220-240 V
911401815697	DN027C LED9/WW D150	-

Order Code	Full Product Name	Input Voltage
911401815997	DN027C LED12/WW D175	-
911401816197	DN027C LED12/CW D175	-
911401816297	DN027C LED15/WW D200	-
911401816497	DN027C LED15/CW D200	-
911401816597	DN027C LED20/WW D225	-
911401816797	DN027C LED20/CW D225	-
911401813897	DN027B LED6/WW L100 SQ	220-240 V
911401814497	DN027B LED9/WW L125 SQ	220-240 V
911401814997	DN027B LED6/CW L150 SQ	220-240 V
911401815297	DN027B LED9/CW L150 SQ	220-240 V
911401815597	DN027B LED12/CW L150 SQ	220-240 V

### General Information

## Essential SmartBright LED Downlight G2

Order Code	Full Product Name	Protection class IEC	Light source replaceable	Number of gear units	Optic type
911401811397	DN027B LED9/CW D125 RD	Safety class II (II)	No	1 unit	110
911401811797	DN027B LED9/WW D150 RD	Safety class II (II)	No	1 unit	110
911401811997	DN027B LED9/CW D150 RD	Safety class II (II)	No	1 unit	110
911401812297	DN027B LED12/CW D150 RD	Safety class II (II)	No	1 unit	110
911401812397	DN027B LED12/WW D175 RD	Safety class II (II)	No	1 unit	110
911401812597	DN027B LED12/CW D175 RD	Safety class II (II)	No	1 unit	110
911401812697	DN027B LED15/WW D175 RD	Safety class II (II)	No	1 unit	110
911401812897	DN027B LED15/CW D175 RD	Safety class II (II)	No	1 unit	110
911401813297	DN027B LED20/WW D200 RD	Safety class II (II)	No	1 unit	110
911401813497	DN027B LED20/CW D200 RD	Safety class II (II)	No	1 unit	110
911401815697	DN027C LED9/WW D150	-	-	-	-

Order Code	Full Product Name	Protection class IEC	Light source replaceable	Number of gear units	Optic type
911401815997	DN027C LED12/WW D175	-	-	-	-
911401816197	DN027C LED12/CW D175	-	-	-	-
911401816297	DN027C LED15/WW D200	-	-	-	-
911401816497	DN027C LED15/CW D200	-	-	-	-
911401816597	DN027C LED20/WW D225	-	-	-	-
911401816797	DN027C LED20/CW D225	-	-	-	-
911401813897	DN027B LED6/WW L100 SQ	Safety class II (II)	No	1 unit	110
911401814497	DN027B LED9/WW L125 SQ	Safety class II (II)	No	1 unit	110
911401814997	DN027B LED6/CW L150 SQ	Safety class II (II)	No	1 unit	110
911401815297	DN027B LED9/CW L150 SQ	Safety class II (II)	No	1 unit	110
911401815597	DN027B LED12/CW L150 SQ	Safety class II (II)	No	1 unit	110

### Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial luminous flux	Luminous flux tolerance	Initial input power
911401811397	DN027B LED9/CW D125 RD	SDCM<5	6500 K	900 lm	+/-10%	11 W
911401811797	DN027B LED9/WW D150 RD	SDCM<5	3000 K	900 lm	+/-10%	11 W
911401811997	DN027B LED9/CW D150 RD	SDCM<5	6500 K	900 lm	+/-10%	11 W
911401812297	DN027B LED12/CW D150 RD	SDCM<5	6500 K	1200 lm	+/-10%	15 W
911401812397	DN027B LED12/WW D175 RD	SDCM<5	3000 K	1200 lm	+/-10%	15 W
911401812597	DN027B LED12/CW D175 RD	SDCM<5	6500 K	1200 lm	+/-10%	15 W
911401812697	DN027B LED15/WW D175 RD	SDCM<5	3000 K	1500 lm	+/-10%	18 W
911401812897	DN027B LED15/CW D175 RD	SDCM<5	6500 K	1500 lm	+/-10%	18 W
911401813297	DN027B LED20/WW D200 RD	SDCM<5	3000 K	2000 lm	+/-10%	23 W
911401813497	DN027B LED20/CW D200 RD	SDCM<5	6500 K	2000 lm	+/-10%	23 W
911401815697	DN027C LED9/WW D150	-	3000 K	900 lm	-	11 W
911401815997	DN027C LED12/WW D175	-	3000 K	1200 lm	-	15 W
911401816197	DN027C LED12/CW D175	-	6500 K	1200 lm	-	15 W
911401816297	DN027C LED15/WW D200	-	3000 K	1500 lm	-	18 W
911401816497	DN027C LED15/CW D200	-	6500 K	1500 lm	-	18 W

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Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial luminous flux	Luminous flux tolerance	Initial input power
911401816597	DN027C LED20/WW D225	-	3000 K	2000 lm	-	23 W
911401816797	DN027C LED20/CW D225	-	6500 K	2000 lm	-	23 W
911401813897	DN027B LED6/WW L100 SQ	SDCM<5	3000 K	600 lm	+/-10%	7 W
911401814497	DN027B LED9/WW L125 SQ	SDCM<5	3000 K	900 lm	+/-10%	11 W
911401814997	DN027B LED6/CW L150 SQ	SDCM<5	6500 K	600 lm	+/-10%	7 W
911401815297	DN027B LED9/CW L150 SQ	SDCM<5	6500 K	900 lm	+/-10%	11 W
911401815597	DN027B LED12/CW L150 SQ	SDCM<5	6500 K	1200 lm	+/-10%	15 W

### Mechanical and Housing

Order Code	Full Product Name	Color	Order Code	Full Product Name	Color
911401811397	DN027B LED9/CW D125 RD	White	911401815997	DN027C LED12/WW D175	-
911401811797	DN027B LED9/WW D150 RD	White	911401816197	DN027C LED12/CW D175	-
911401811997	DN027B LED9/CW D150 RD	White	911401816297	DN027C LED15/WW D200	-
911401812297	DN027B LED12/CW D150 RD	White	911401816497	DN027C LED15/CW D200	-
911401812397	DN027B LED12/WW D175 RD	White	911401816597	DN027C LED20/WW D225	-
911401812597	DN027B LED12/CW D175 RD	White	911401816797	DN027C LED20/CW D225	-
911401812697	DN027B LED15/WW D175 RD	White	911401813897	DN027B LED6/WW L100 SQ	White
911401812897	DN027B LED15/CW D175 RD	White	911401814497	DN027B LED9/WW L125 SQ	White
911401813297	DN027B LED20/WW D200 RD	White	911401814997	DN027B LED6/CW L150 SQ	White
911401813497	DN027B LED20/CW D200 RD	White	911401815297	DN027B LED9/CW L150 SQ	White
911401815697	DN027C LED9/WW D150	-	911401815597	DN027B LED12/CW L150 SQ	White

