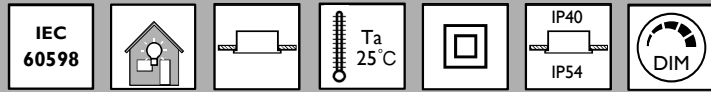


# SmartBright LED Downlight

## DN029B G2

### Mounting Instruction

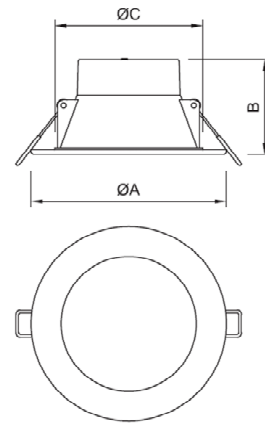


Model	Description	Lumen	CCT	Power	Mains Input	
9290025764	DN029B G2 LED8/CCT PSR-E D90 GM	800lm	3000-4000-6500 K	7.5 W	220-240V~, 50/60Hz	0.23
9290025765	DN029B G2 LED10/CCT PSR-E D120 GM	1000lm	3000-4000-6500 K	9 W	220-240V~, 50/60Hz	0.31
9290025766	DN029B G2 LED12/CCT PSR-E D150 GM	1200lm	3000-4000-6500 K	10.5 W	220-240V~, 50/60Hz	0.42
9290025767	DN029B G2 LED20/CCT PSR-E D200 GM	2000lm	3000-4000-6500 K	18 W	220-240V~, 50/60Hz	0.58
9290025909	DN029B G2 LED8/830 PSR-E D90 GM	800lm	3000 K	7.5 W	220-240V~, 50/60Hz	0.23
9290025768	DN029B G2 LED8/840 PSR-E D90 GM		4000 K			
9290025900	DN029B G2 LED8/865 PSR-E D90 GM		6500 K			

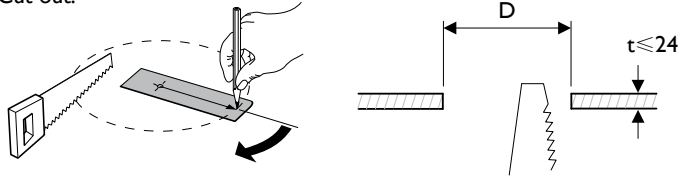
\* The lifetime indicated in the packaging box is defined as the number of hours when the light output of 50% of a large group of identical luminaires goes below 70% of its initial luminous flux(L70B50). The lifetime is estimated at room temperature (25°C), free air burning and at rated voltage.

### Dimensions (mm)

	A	B	C	D
9290025764	114	56	86.5	90-100
9290025909,9290025768,9290025900				
9290025765	140	59	108	115-125
9290025766	190	61	149	150-165
9290025767	225	63	190	195-210



Cut out:



### Installation

**1**

**2**

Connect the luminaire to the power supply cable with a terminal box (not provided by Signify).

Cable of Luminaire: 2x0.75 mm<sup>2</sup>

(L) -Brown  
(N) -Blue

**3**

**4**

**5**

IP40 front

**6**

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### Dimming compatibility:

3

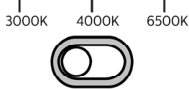


Designed for dimming with many TRIAC/ELV (phase cut) control dimmers. A list of common dimmers is provided below. Unlisted dimmers do not imply non-compatibility.

\* Signify does not accept liability for incompatibility as a result of changes in dimmer specifications. Please refer to your local Signify agent for further details.

No.	Brand	Type #	Load Type	Load	Max. fitting
1	Clipsal	3031H500MK	R	500W	13pcs/dimmer
2	Clipsal	32V500	R	500W	13pcs/dimmer
3	KIWI	K004U	RLC	400W	10pcs/dimmer
4	KIWI	K005T	RC	500W	13pcs/dimmer
5	SHIN SUNG	SSD-500	R	500W	13pcs/dimmer

### CCT dip switch:



Color temperature can be set by CCT dip switch on the back cover:

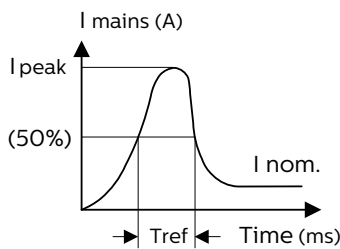
1. Adjust the toggle to select the preferred color temperature.
2. Install the fitting according to instruction above.

Please note:

Remove product from power source before attempting to switch between color temperature.

### Inrush current

4



	9290025764	9290025765	9290025766	9290025767	9290025909 9290025768 9290025900
Inom(Run current) (mA)	38	45	50	82	40
Ipeak (A)	0.96	1.26	1.28	2.2	0.8
Tref (ms)	0.051	0.038	0.041	0.039	0.12
AC Leakage current (mA)	<0.7	<0.7	<0.7	<0.7	<0.7
MCB (Type B 16A, pcs)	336	284	256	156	490
MCB (Type C 16A, pcs)	336	284	256	156	490



1. Please read this manual before you start to install the luminaire.
2. The luminaire is complied with IEC60598-1, IEC60598-2-2.
3. For indoor use only. This product may not be operated properly if the environment temperature exceed  $-20^{\circ}\text{C} \sim 40^{\circ}\text{C}$ .
4. The luminaire shall be installed by a qualified electrician according to specified step, and wired in accordance with the latest IEE electrical regulations or the national requirements.
5. TURN OFF the power during installation or maintenance to avoid electrical shock.
6. The external flexible cable of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed.
7. The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.
8. The luminaire shall, under no circumstance, be covered with insulation matting or similar material.
9. Luminaire must not be used or stored in corrosive environment where hazardous materials such as Sulphur, Chlorine, Phthalates, etc., are present.



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