

# Essential SmartBright G2 LED downlight

Launch Window: Jan-2017



Application: office, retail, residential

- **Easy installation and replacement**
  - ✓ Good range of wattages and color temperatures enhances flexibility and choice
  - ✓ Different size and shape combination ensure easy retrofit
- **Compact design for greater functionality and versatility**
  - ✓ All in one, slim design with integrated driver, makes installation a breeze
  - ✓ Flat design fits tight spaces, enabling easy installation into low suspension ceilings or false ceilings
- **Leading brand with safety and quality assurance**
  - ✓ Meets international & national standard and certifications.
  - ✓ Reliability and quality that offers peace of mind.
  - ✓ LED technology ensures long lifespan with minimal maintenance, bringing you value for money, and cost savings in electricity bills in the long-run.

# Essential SmartBright G2 LED downlight

designation



i.e. DN027B LED6/WW PSU D125 RD

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1	Product type	<b>DN027B:</b> recessed <b>DN027C:</b> surface-mounted
2	Lumen output	<b>LED3:</b> 300lm; <b>LED6:</b> 600lm; <b>LED9:</b> 900lm; <b>LED12:</b> 1200lm; <b>LED15:</b> 1500lm; <b>LED20:</b> 2000lm
3	CCT	<b>WW:</b> 3000K; <b>NW:</b> 4000K; <b>CW:</b> 6500K
4	Recessed Cut-out(mm)	<b>Round:</b> <b>D90:</b> Ø90-95; <b>D100:</b> Ø100-105; <b>D125:</b> Ø125-130 <b>D150:</b> Ø150-155; <b>D175:</b> Ø175-180; <b>D200:</b> Ø200-205 <b>Square:</b> <b>L100:</b> L100x100; <b>L125:</b> L125x125; <b>L150:</b> L150x150
	Surface-mounted Outer dia.(mm)	<b>D150:</b> Ø150; <b>D175:</b> Ø175; <b>D200:</b> Ø200; <b>D225:</b> Ø225
5	Shape	<b>RD:</b> round <b>SQ:</b> square

# Essential SmartBright G2 LED downlight

## lumen & size matrix

Photo	Size lumen	LED3(300lm)	LED6(600lm)	LED9(900lm)	LED12(1200lm)	LED15(1500lm)	LED20(2000lm)
	D90 Cut-out	4w Replace 1x11w CFLi	7w Replace 1x18w CFLi				
	D100 Cut-out	4w Replace 1x11w CFLi	7w Replace 1x18w CFLi				
	D125 Cut-out		7w Replace 1x18w CFLi	11w Replace 2x14w CFLi			
	D150 Cut-out		7w Replace 1x18w CFLi	11w Replace 2x14w CFLi	15w Replace 2x23w CFLi		
	D175 Cut-out				15w Replace 2x23w CFLi	18w Replace 2x26w CFLi	
	D200 Cut-out					18w Replace 2x26w CFLi	23w Replace 2x32w CFLi
	L100X100 Cut-out	4w Replace 1x11w CFLi	7w Replace 1x18w CFLi				
	L125X125 Cut-out		7w Replace 1x18w CFLi	11w Replace 2x14w CFLi			
	L150X150 Cut-out		7w Replace 1x18w CFLi	11w Replace 2x14w CFLi	15w Replace 2x23w CFLi		
	D150 Outer diameter			11w Replace 2x14w CFLi			
	D175 Outer diameter				15w Replace 2x23w CFLi		
	D200 Outer diameter					18w Replace 2x26w CFLi	
	D225 Outer diameter						23w Replace 2x32w CFLi

# Essential SmartBright G2 LED downlight

Proper size communication: Recessed round



	Cut-out		Outer Diameter	
D90	Ø90~95mm	3.5inch	Ø115mm	4.5inch
D100	Ø100~105mm	4 inch	Ø125mm	5 inch
D125	Ø125~130mm	5 inch	Ø150mm	6 inch
D150	Ø150~155mm	6 inch	Ø175mm	7 inch
D175	Ø175~180mm	7 inch	Ø200mm	8 inch
D200	Ø200~205mm	8 inch	Ø225mm	9 inch

Cut-out+ 1inch(25mm)  $\approx$  Outer diameter

Understanding the cut-out and outer diameter size, make sure communicating the right one.

# Essential SmartBright G2 LED downlight

Proper size communication: Recessed square



	Cut-out		Outer Dimension	
D100	□100~105mm	4 inch	□125mm	5 inch
D125	□125~130mm	5 inch	□150mm	6 inch
D150	□150~155mm	6 inch	□175mm	7 inch

Cut-out+ 1inch(25mm)  $\approx$  Outer dimension

Understanding the cut-out and outer dimension, make sure communicating the right one.



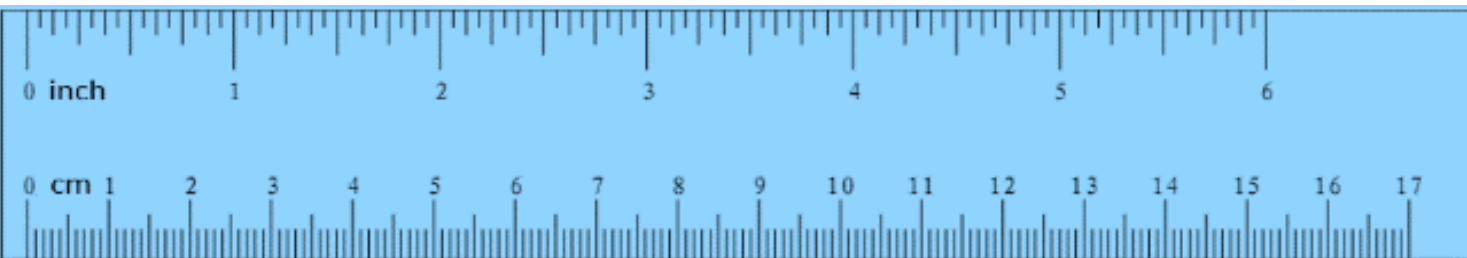
# Essential SmartBright G2 LED downlight

Proper size communication : Surface-mounted



	Outer Diameter	
D150	Ø150mm	6 inch
D175	Ø175mm	7 inch
D200	Ø200mm	8 inch
D225	Ø225mm	9 inch

Only outer diameter communicated



# Essential SmartBright G2 LED downlight



specification

## DN027B – (Recessed Round)

Type	LED3	LED6	LED9	LED12	LED15	LED20
lumen output	300lm	600lm	900lm	1200lm	1500lm	2000lm
Cut-out (mm)	Ø90; Ø100	Ø90;Ø100; Ø125;Ø150	Ø125; Ø150	Ø150; Ø175	Ø175; Ø200	Ø200
SDCM	<5					
CRI	>80					
CCT	3000K / 4000K / 6500K					
Voltage	220-240V~ 50/60Hz					
Power cons.	4w	7w	11w	15w	18w	23w
Efficacy	Up to 85 lm/w					
PF	Up to 0.75					
LED driver	Fixed output (Integrated with luminaire)					
Connection	150mm flying wire, comes with 2 twister caps					
Materials and finishing	Metal housing with RAL9003 white painting, PC white(RAL9003) back cover; PC light diffuser					
Lifetime	20,000 hours (L70B50 @ 25°C)					
Working Temp.	- 20°C < Ta < +40°C					
Dimensions Dia x H(mm)	Ø115x33; Ø125x33	Ø115x33; Ø125x33; Ø150x33; Ø175x33	Ø150x33; Ø175x33	Ø175x33; Ø200x33	Ø200x33; Ø225x33	Ø225x33
Electrical Class	Class II					
IP rating	IP20/IP40(front part)					
Certifications	CB, EMC, CCC, (TISI, KC)					

# Essential SmartBright G2 LED downlight



specification

## DN027B – (Recessed Square)

Type	LED3	LED6	LED9	LED12
lumen output	300lm	600lm	900lm	1200lm
Cut-out (mm)	L100XL100	L100XL100; L125XL125; L150XL150	L125XL125; L150XL150	L150XL150
SDCM	<5			
CRI	>80			
CCT	3000K / 4000K / 6500K			
Voltage	220-240V~ 50/60Hz			
Power consumption	4w	7w	11w	15w
Efficacy	Up to 85 lm/w			
PF	Up to 0.75			
LED driver	Fixed output (Integrated with luminaire)			
Connection	150mm flying wire, comes with 2 twister caps			
Materials and finishing	Metal housing with RAL9003 white painting, PC white(RAL9003) back cover; PC light diffuser			
Lifetime	20,000 hours (L70B50 @ 25°C)			
Working Temp.	- 20°C < Ta < +40°C			
Dimensions L x W x H (mm)	L125XW125XH33	L125XW125XH33 L150XW150XH33 L175XW175XH33	L150XW150XH33 L175XW175XH33	L175XW175XH33
Electrical Class	Class II			
IP rating	IP20/IP40(front part)			
Certifications	CB, EMC, CCC, (TISI)			



# Essential SmartBright G2 LED downlight



## specification

### DN027C – (Surface-mounted Round)

Type	LED9	LED12	LED15	LED20
lumen output	900lm	1200lm	1500lm	2000lm
Outer diameter (mm)	Ø150	Ø175	Ø200	Ø225
SDCM	<5			
CRI	>80			
CCT	3000K / 4000K / 6500K			
Voltage	220-240V~ 50/60Hz			
Power consumption	11w	15w	18w	23w
Efficacy	Up to 85 lm/w			
PF	Up to 0.75			
LED driver	Fixed output (Integrated with luminaire)			
Connection	150mm flying wire, comes with 2 twister caps			
Materials and finishing	Metal housing with RAL9003 white painting, PC white(RAL9003) back cover; PC light diffuser			
Lifetime	20,000 hours (L70B50 @ 25°C)			
Working Temp.	- 20°C < Ta < +40°C			
Dimensions Dia x H(mm)	Ø150x40	Ø175x40	Ø200x40	Ø225x40
Electrical Class	Class II			
IP rating	IP20/IP40(front part)			
Certifications	CB, EMC, CCC, (TISI)			

**Visual**

