



# Essential SmartBright LED Downlight

## DN027B G3 LED20/CW 19W 220-240V D200 RD

Essential SmartBright LED Downlight, 19 W, 2100 lm, 6500 K, Beam angle 110°, White

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.

### Product data

| General Information                |                   | Operating and Electrical                 |                            |
|------------------------------------|-------------------|--|----------------------------|
| Light source replaceable           | No                | Input Voltage                            | 220 to 240 V               |
| Number of gear units               | 1 unit            | Line Frequency                           | 50 or 60 Hz                |
| Driver included                    | Yes               | Input Frequency                          | 50 or 60 Hz                |
| Lighting Technology                | LED               | Inrush current                           | 4.92 A                     |
| Warranty period                    | 3 years           | Inrush time                              | 0.115 ms                   |
| Light Technical                    |                   | Power Consumption                        | 19 W                       |
| Luminous Flux                      | 2,100 lm          | Power Factor (Fraction)                  | 0.9                        |
| Correlated Color Temperature (Nom) | 6500 K            | Cable                                    | Cable 0.2 m without plug   |
| Luminous Efficacy (rated) (Nom)    | 110.00 lm/W       | Number of products on MCB of 16 A type B | 55                         |
| Color rendering index (CRI)        | 80                | Suitable for random switching            | No                         |
| Light source color                 | 865 cool daylight | Protection class IEC                     | Safety class II            |
| Optic type                         | Beam angle 110°   | Controls and Dimming                     |                            |
| Luminaire light beam spread        | 110°              | Dimmable                                 | No                         |
|                                    |                   | Driver/power unit/transformer            | Power supply unit (On/Off) |

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|                                     |   |
|-------------------------------------|---|
| Constant light output               | No  |
| <b>Mechanical and Housing</b>       |   |
| Housing Material                    | Metal-Plastic                             |
| Reflector material                  | -   |
| Optic material                      | Polycarbonate                             |
| Optical cover material              | Polycarbonate                             |
| Fixation material                   | Steel                                     |
| Housing Color                       | White                                     |
| Optical cover finish                | Matte                                     |
| Overall length                      | 225 mm                                    |
| Overall width                       | 225 mm                                    |
| Overall height                      | 45 mm                                     |
| Overall diameter                    | 225 mm                                    |
| Dimensions (Height x Width x Depth) | 45 x 225 x 225 mm                         |
| Ingress protection code             | IP20/40 [Finger-protected;Wire-protected] |
| Mech. impact protection code        | IK03 [0.3 J]                              |
| Net Weight (Piece)                  | 0.365 kg                                  |

## Approval and Application

|                           |   |
|---------------------------|---|
| Glow-wire test            | Temperature 650 °C, duration 30 s           |
| Flammability mark         | For mounting on normally flammable surfaces |
| EU RoHS compliant         | Yes   |
| Ambient temperature range | -20 to +40 °C                               |

## Initial Performance (IEC Compliant)

|                             |                                  |
|-----------------------------|----------------------------------|
| Luminous flux tolerance     | +/-10%                           |
| Initial chromaticity        | (IEC6500K, 0.313, 0.337) < 5SDCM |
| Power consumption tolerance | +/-10%                           |

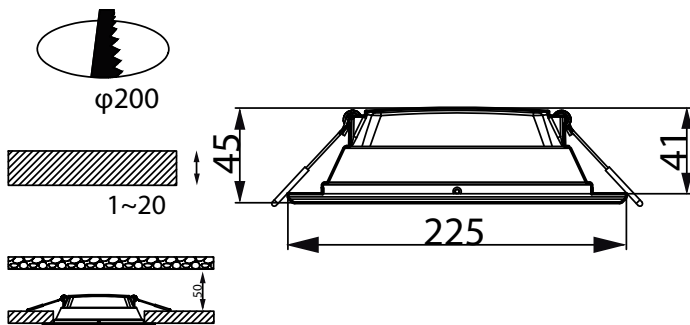
## Over Time Performance (IEC Compliant)

|                               |                |
|-------------------------------|----------------|
| Driver failure rate at 5000 h | 0.012 %        |
| Median useful life L70B50     | 30,000 hour(s) |

## Product Data

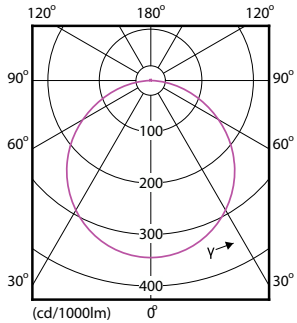
|                                 |  |
|---------------------------------|--|
| Order product name              | DN027B G3 LED20/CW 19W 220-240V<br>D200 RD |
| Full product name               | DN027B G3 LED20/CW 19W 220-240V<br>D200 RD |
| Full product code               | 871951434524900                            |
| Order code                      | 929002674738                               |
| Material Nr. (12NC)             | 929002674738                               |
| Numerator - Quantity Per Pack   | 1  |
| EAN/UPC - Product/Case          | 8719514345249                              |
| Numerator - Packs per outer box | 24   |
| EAN/UPC - Case                  | 8719514345256                              |

## Dimensional drawing

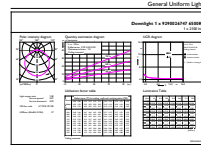


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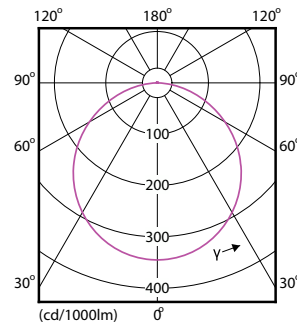
## Photometric data



Light Distribution Diagram - DN027B G3 LED20/CW 19W 220-240V D200 RD



General uniform lighting - DN027B G3 LED20/CW 19W 220-240V D200 RD



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