

PHILIPS

Lighting



Essential SmartBright LED Downlight G2

DN020B G3 LED15/CW 18W 220-240V D175 GM

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 | | Optical cover/lens finish | |
|-----------------------------|--------------------|-------------------------------------|--|
| Light source color | 865 cool daylight | Overall length | 225 mm |
| Light source replaceable | No | Overall width | 225 mm |
| Luminaire light beam spread | 110° | Overall height | 38 mm |
| Connection | Flying leads/wires | Overall diameter | 190 mm |
| Protection class IEC | Safety class II | Color | White |
| Operating and Electrical | | Dimensions (Height x Width x Depth) | 38 x 225 x 225 mm (1.5 x 8.9 x 8.9 in) |
| Input Voltage | 220 to 240 V V | Approval and Application | |
| Input Frequency | 50 or 60 Hz | Ingress protection code | IP20 [Finger-protected] |
| Power Factor (Min) | 0.5 | Mech. impact protection code | IK03 [0.3 J] |
| Controls and Dimming | | Initial Performance (IEC Compliant) | |
| Dimmable | No | Initial luminous flux (system flux) | 1500 lm |
| Mechanical and Housing | | Initial LED luminaire efficacy | 83.00 lm/W |
| Housing Material | Plastic | Init. Corr. Color Temperature | 6500 K |
| Reflector material | Polycarbonate | Init. Color Rendering Index | 80 |
| Optic material | Polycarbonate | Initial chromaticity | (0.3123, 0.3283) 6 |
| Fixation material | Stainless steel | Initial input power | 18 W |

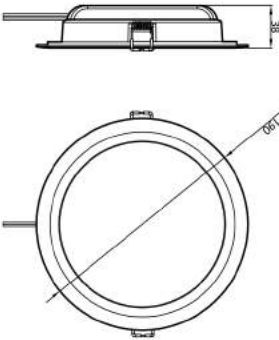
Essential SmartBright LED Downlight G2

| | |
|---------------------------------------|-----------------|
| Power consumption tolerance | +/-10% |
| Over Time Performance (IEC Compliant) | |
| Median useful life L70B50 | 20000 h |
| Application Conditions | |
| Ambient temperature range | -20 to +40 °C |
| Product Data | |
| Full product code | 871869977941200 |

| | |
|---------------------------------|---|
| Order product name | DN020B G3 LED15/CW 18W 220-240V D175 GM |
| EAN/UPC - Product | 8718699779412 |
| Order code | 929002510508 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 30 |
| Material Nr. (12NC) | 929002510508 |
| Net Weight (Piece) | 0.180 kg |

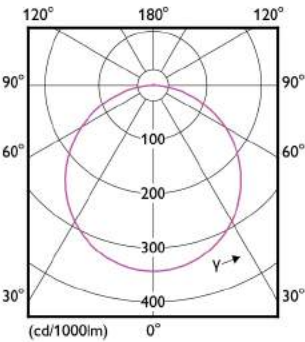


Dimensional drawing

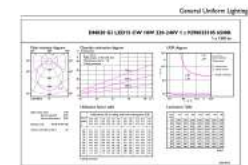


DN020 GM RR 1500lm 6500K TBDW 7" WH ND

Photometric data



Downlight DN020 G3 CW 18W D175 GM

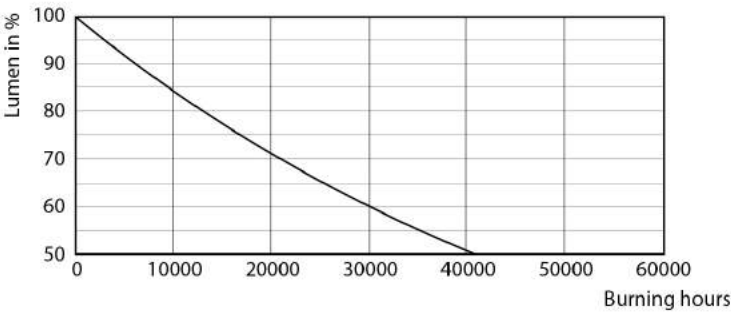


Technical Photometric Data | Photometric Data | Page 11

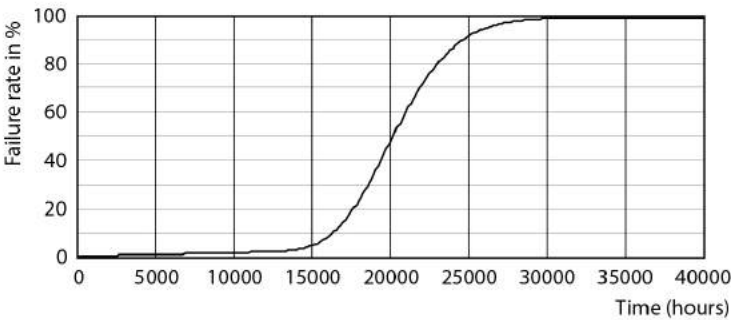
Downlight DN020 G3 CW 18W D175 GM

Essential SmartBright LED Downlight G2

Lifetime



L70B50 20K-LMP



L70B50 20K-LED

