PHILIPS

**DN020B G4 LED20/CW 20W 220-240V D200**

929003280617




# Essential SmartBright LED Downlight, 20 W, 2000 lm, 6500 K, Beam angle 110°, White

Plastic, White, Power supply unit, 2000 lm, 20 W, 100 lm/W, 6500 K, (X=, 0.3117 ; Y=, 0.3273) 5SDCM, Beam angle 110°, Frosted, Polycarbonate, IP20 | Finger-protected, IK03 | 0.3 J, Safety class II, Flying leads/wires

## General Information

| | |
|---|---|
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Switching Cycle | 10,000 |
| Warranty period | 1 years |

## Light Technical

| | |
|---|---|
| Luminous Flux | 2,000 lm |
| Correlated Color Temperature (Nom) | 6500 K |
| Luminous Efficacy (rated) (Nom) | 100 lm/W |
| Color rendering index (CRI) | 80 |
| Light source color | 865 cool daylight |
| Optic type | Beam angle 110° |
| Luminaire light beam spread | 100° |
| Photobiological safety according to EN 62471 | RG0 |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 220 to 240 V |
| Input Frequency | 50 or 60 Hz |
| Inrush time | 0.15 ms |
| Power Consumption | 20 W |
| Power Factor (Fraction) | 0.5 |
| Connection | Flying leads/wires |
| Cable | Cable without plug 2-pole |
| Suitable for random switching | Not applicable |
| Protection class IEC | Safety class II |

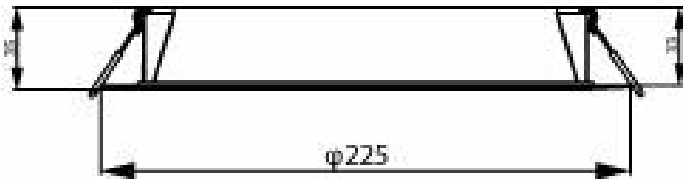
## Controls and Dimming

| | |
|---|---|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit |
| Constant light output | No |

## Mechanical and Housing

| | |
|---|---|
| Housing Material | Plastic |
| Reflector material | - |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material | Steel |
| Housing Color | White |
| Optical cover finish | Frosted |
| Overall height | 35 mm |
| Overall diameter | 225 mm |
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IK03 [0.3 J] |
| Net Weight (Piece) | 0.225 kg |

## Dimensional drawing




## Approval and Application

| | |
|---|---|
| Insulation Coverage Rating | Non IC Rating |
| 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 | (X=, 0.3117 ; Y=, 0.3273) 5SDCM |
| Power consumption tolerance | +/-10% |

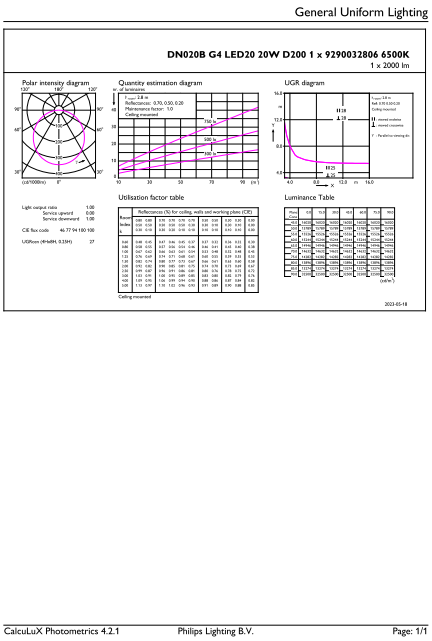
## Over Time Performance (IEC Compliant)

| | |
|---|---|
| Driver failure rate at 5000 h | 1.2 |
| Median useful life L70B50 | 20,000 hour(s) |

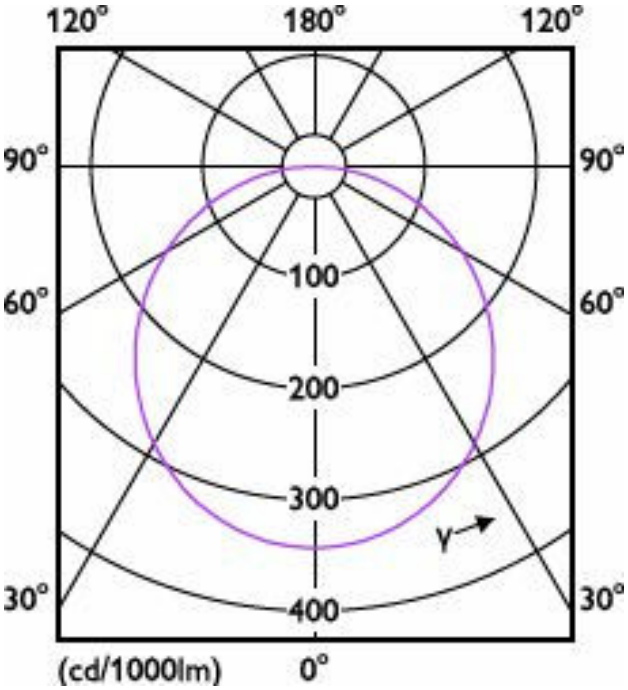
## Product Data

| | |
|---|---|
| Order product name | DN020B G4 LED20/CW 20W 220-240V D200 |
| Full product name | DN020B G4 LED20/CW 20W 220-240V D200 |
| Full product code | 871869978005000 |
| Order code | 929003280617 |
| Material Nr. (12NC) | 929003280617 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699780050 |
| Numerator - Packs per outer box | 30 |
| EAN/UPC - Case | 8718699780067 |

## Photometric data




General uniform lighting - DN020B G4 LED20/CW 20W 220-240V D200




Light Distribution Diagram - DN020B G4 LED20/CW 20W 220-240V D200

## Related Documents

| Documents and certificates | Document Name | Download |
|---|---|---|
| Installation Instructions | MI_DN020B_G4-INI.pdf | Download |

| Photometry and lighting design | Document Name | Download |
|---|---|---|
| IES File | DN020B_G4_LED20_CW_20W_D200-IES.ies | Download |

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