Less Hassle, More Savings

Essential SmartBright LED Downlight

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.

Benefits
· Reliability and safety: meets national and international regulation
· Energy saving: High system efficacy with lower power consumption
· Diversity: One stop shopping with multiple choices of recess round, square as well as surface-mount to fit your dedicated applications
· Easy to install with slim design

Features
· Long life time: 20Khrs to 30Khrs(L70B50@25℃)
· System efficiency: up to 85lm/W
· One family offers recess round, square and surface mount options
· Slim design: 33mm housing body height
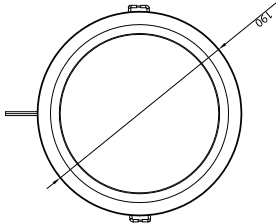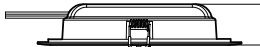
Application
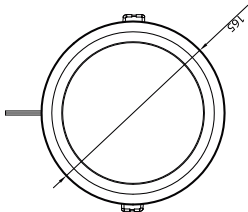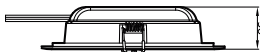· Retail
· Office
· Residential

Essential SmartBright LED Downlight

Versions

Essential SmartBright DN027C RD

Dimensional drawing

193.6

225

40
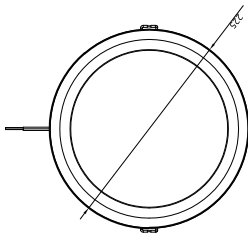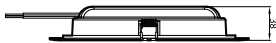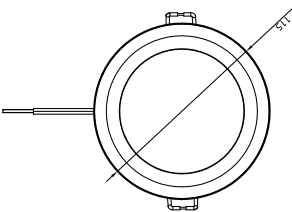
Essential SmartBright LED Downlight

Product details

Essential SmartBright DN027C

Round

General Information

Light source replaceable	No

Light Technical

Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	80

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz

Temperature

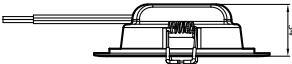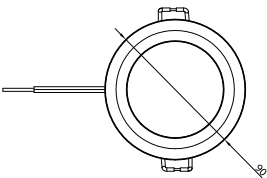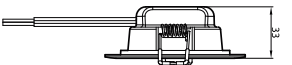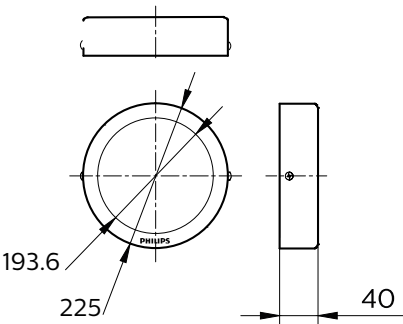|	
Ambient temperature range	–20 to +40 ℃

Mechanical and Housing

Housing Color	White

Approval and Application

Protection class IEC	Safety class II
Ingress protection code	IP20

Light Technical

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401816697	DN027C LED20/NW D225	–	2,000 lm
929002508308	DN020B G3 LED3/NW 3.5W 220-240V D80 GM	85.00 lm/W	300 lm
929002508908	DN020B G3 LED6/NW 7W 220-240V D100 GM	85.00 lm/W	600 lm
929002510108	DN020B G3 LED12/NW 14W 220-240V D150 GM	85.00 lm/W	1,200 lm
929002510408	DN020B G3 LED15/NW 18W 220-240V D175 GM	83.00 lm/W	1,500 lm
929002510708	DN020B G3 LED20/NW 23W 220-240V D200 GM	86.00 lm/W	2,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401816697	DN027C LED20/NW D225	23 W
929002508308	DN020B G3 LED3/NW 3.5W 220-240V D80 GM	3.5 W
929002508908	DN020B G3 LED6/NW 7W 220-240V D100 GM	7 W
929002510108	DN020B G3 LED12/NW 14W 220-240V D150 GM	14 W

Order Code	Full Product Name	Power Consumption
929002510408	DN020B G3 LED15/NW 18W 220-240V D175 GM	18 W
929002510708	DN020B G3 LED20/NW 23W 220-240V D200 GM	23 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
911401816697	DN027C LED20/NW D225	–
929002508308	DN020B G3 LED3/NW 3.5W 220-240V D80 GM	No
929002508908	DN020B G3 LED6/NW 7W 220-240V D100 GM	No

Order Code	Full Product Name	Dimmable
929002510108	DN020B G3 LED12/NW 14W 220-240V D150 GM	No
929002510408	DN020B G3 LED15/NW 18W 220-240V D175 GM	No
929002510708	DN020B G3 LED20/NW 23W 220-240V D200 GM	No

Approval and Application

Order Code	Full Product Name	Mech. impact protection code
911401816697	DN027C LED20/NW D225	IK02

Order Code	Full Product Name	Mech. impact protection code
929002508308	DN020B G3 LED3/NW 3.5W 220-240V D80 GM	IK03

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Order Code	Full Product Name	Mech. impact protection code
929002508908	DN020B G3 LED6/NW 7W 220-240V D100 GM	IK03
929002510108	DN020B G3 LED12/NW 14W 220-240V D150 GM	IK03

Order Code	Full Product Name	Mech. impact protection code
929002510408	DN020B G3 LED15/NW 18W 220-240V D175 GM	IK03
929002510708	DN020B G3 LED20/NW 23W 220-240V D200 GM	IK03

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
911401816697	DN027C LED20/NW D225	–
929002508308	DN020B G3 LED3/NW 3.5W 220-240V D80 GM	(0.3818, 0.3797) 6
929002508908	DN020B G3 LED6/NW 7W 220-240V D100 GM	(0.3818, 0.3797) 6

Order Code	Full Product Name	Initial chromaticity
929002510108	DN020B G3 LED12/NW 14W 220-240V D150 GM	(0.3818, 0.3797) 6
929002510408	DN020B G3 LED15/NW 18W 220-240V D175 GM	(0.3818, 0.3797) 6
929002510708	DN020B G3 LED20/NW 23W 220-240V D200 GM	(0.3818, 0.3797) 6

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5000 h
911401816697	DN027C LED20/NW D225	–
929002508308	DN020B G3 LED3/NW 3.5W 220-240V D80 GM	1.6 %
929002508908	DN020B G3 LED6/NW 7W 220-240V D100 GM	1.6 %
929002510108	DN020B G3 LED12/NW 14W 220-240V D150 GM	1.6 %
929002510408	DN020B G3 LED15/NW 18W 220-240V D175 GM	1.6 %
929002510708	DN020B G3 LED20/NW 23W 220-240V D200 GM	1.6 %

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