



Full cut out size, Full CCT Range, Full lumen output, Recessed Installation

SmartBright Pro Downlight gen2

The SmartBright Pro Downlight comes offering reliable lighting performance with recessed installation, suitable for diversified applications. Full cut out size from D75 to D200, full CCT range covering 3000K, 4000K and 6500K, lumen output covers 400lm to 2000lm, eye comfort experience with low flicker lighting can attract you more with its elegant design.

Benefits

- Recessed Installation
- Elegant look & feel
- Eye comfort experience with low flicker lighting
- CB / EMC compliance product with Philips brand promise

Features

- Cut out: D75, D100, D125, D150, D175, D200
- 4 CCT: 3000K, 4000K and 6500K
- Input voltage is 220-240V
- PF0.9
- Efficacy: up to 110lm/W
- CRI80
- IP44(front)/IP20(back)
- lifetime: 50khrs @L70&Ta25°C
- Working temperature: -20°C to +40°C

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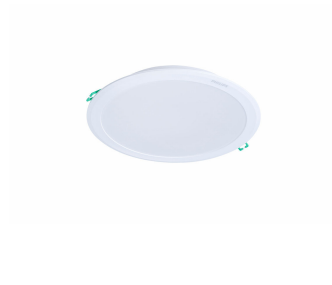
Application

- Residential
- Hospitality
- Retail
- Shopping mall
- Hotels

Versions

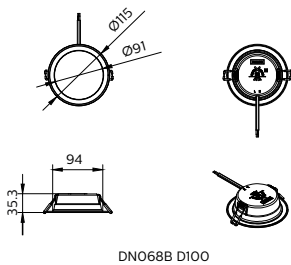


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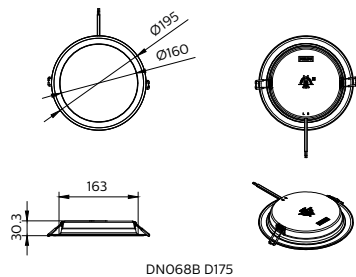


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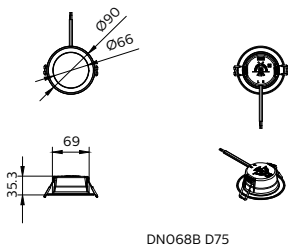
Dimensional drawing



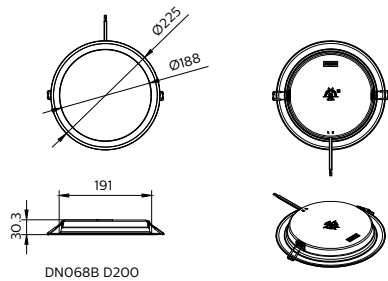
DN068B D100



DN068B D175

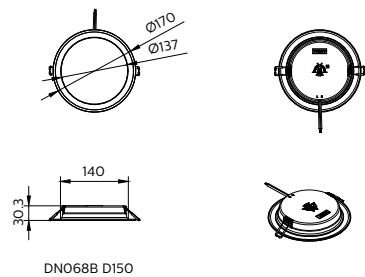
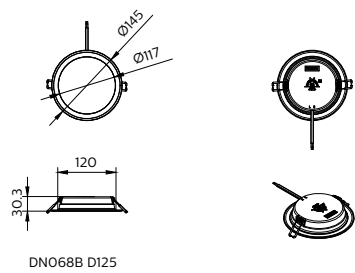


DN068B D75



DN068B D200

Dimensional drawing



SmartBright Pro Downlight gen2

General Information	
Driver included	Yes
Gear	EB
Number of gear units	1 unit
Light Technical	
Beam angle of light source	110 degree(s)
Color rendering index (CRI)	80
Number of light sources	1
Optic type	Beam angle 110°
Operating and Electrical	
Protection class IEC	Safety class II
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Suitable for random switching	No
Controls and Dimming	
Dimmable	-
Maximum dim level	Not applicable
Mechanical and Housing	
Optical cover type	Polycarbonate micro lens optic
Housing Color	White
Mech. impact protection code	IK03
Ingress protection code	IP20(IP44 front)
Approval and Application	
Ambient temperature range	-20 to +40 °C
CE mark	No
ENEC mark	-
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%

Light Technical

Order Code	Full Product Name	Correlated Color	Luminous Efficacy	
		Temperature (Nom)	(rated) (Nom)	Luminous Flux
30217599	DN068B G2 LED6/830 PSU D100	3000 K	105 lm/W	570 lm
30218299	DN068B G2 LED6/840 PSU D100	4000 K	110 lm/W	600 lm
30219999	DN068B G2 LED6/865 PSU D100	6500 K	110 lm/W	600 lm
30220599	DN068B G2 LED9/830 PSU D100	3000 K	105 lm/W	855 lm
30221299	DN068B G2 LED9/840 PSU D100	4000 K	110 lm/W	900 lm
30222999	DN068B G2 LED9/865 PSU D100	6500 K	110 lm/W	900 lm
30214499	DN068B G2 LED4/830 PSU D75	3000 K	100 lm/W	380 lm
30215199	DN068B G2 LED4/840 PSU D75	4000 K	105 lm/W	400 lm
30216899	DN068B G2 LED4/865 PSU D75	6500 K	105 lm/W	400 lm
30238099	DN068B G2 LED19/830 PSU D200	3000 K	105 lm/W	1,900 lm
30239799	DN068B G2 LED20/840 PSU D200	4000 K	110 lm/W	2,000 lm
30240399	DN068B G2 LED20/865 PSU D200	6500 K	110 lm/W	2,000 lm
30223699	DN068B G2 LED9/830 PSU D125	3000 K	105 lm/W	855 lm
30224399	DN068B G2 LED9/840 PSU D125	4000 K	110 lm/W	900 lm
30225099	DN068B G2 LED9/865 PSU D125	6500 K	110 lm/W	900 lm
30226799	DN068B G2 LED12/830 PSU D125	3000 K	105 lm/W	1,235 lm
30227499	DN068B G2 LED13/840 PSU D125	4000 K	110 lm/W	1,300 lm
30228199	DN068B G2 LED13/865 PSU D125	6500 K	110 lm/W	1,300 lm
30229899	DN068B G2 LED11/830 PSU D150	3000 K	105 lm/W	1,140 lm
30230499	DN068B G2 LED12/840 PSU D150	4000 K	110 lm/W	1,200 lm
30231199	DN068B G2 LED12/865 PSU D150	6500 K	110 lm/W	1,200 lm
30232899	DN068B G2 LED15/830 PSU D150	3000 K	105 lm/W	1,520 lm
30233599	DN068B G2 LED16/840 PSU D150	4000 K	110 lm/W	1,600 lm
30234299	DN068B G2 LED16/865 PSU D150	6500 K	110 lm/W	1,600 lm
30235999	DN068B G2 LED14/830 PSU D175	3000 K	105 lm/W	1,524 lm
30236699	DN068B G2 LED15/840 PSU D175	4000 K	110 lm/W	1,500 lm
30237399	DN068B G2 LED15/865 PSU D175	6500 K	110 lm/W	1,500 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consumption
30217599	DN068B G2 LED6/830 PSU D100	5.5 W	30216899	DN068B G2 LED4/865 PSU D75	3.8 W
30218299	DN068B G2 LED6/840 PSU D100	5.5 W	30238099	DN068B G2 LED19/830 PSU D200	18 W
30219999	DN068B G2 LED6/865 PSU D100	5.5 W	30239799	DN068B G2 LED20/840 PSU D200	18 W
30220599	DN068B G2 LED9/830 PSU D100	8 W	30240399	DN068B G2 LED20/865 PSU D200	18 W
30221299	DN068B G2 LED9/840 PSU D100	8 W	30223699	DN068B G2 LED9/830 PSU D125	8 W
30222999	DN068B G2 LED9/865 PSU D100	8 W	30224399	DN068B G2 LED9/840 PSU D125	8 W
30214499	DN068B G2 LED4/830 PSU D75	3.8 W	30225099	DN068B G2 LED9/865 PSU D125	8 W
30215199	DN068B G2 LED4/840 PSU D75	3.8 W	30226799	DN068B G2 LED12/830 PSU D125	12 W

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Order Code	Full Product Name	Power Consumption
30227499	DN068B G2 LED13/840 PSU D125	12 W
30228199	DN068B G2 LED13/865 PSU D125	12 W
30229899	DN068B G2 LED11/830 PSU D150	11 W
30230499	DN068B G2 LED12/840 PSU D150	11 W
30231199	DN068B G2 LED12/865 PSU D150	11 W
30232899	DN068B G2 LED15/830 PSU D150	15 W

Order Code	Full Product Name	Power Consumption
30233599	DN068B G2 LED16/840 PSU D150	15 W
30234299	DN068B G2 LED16/865 PSU D150	15 W
30235999	DN068B G2 LED14/830 PSU D175	14 W
30236699	DN068B G2 LED15/840 PSU D175	14 W
30237399	DN068B G2 LED15/865 PSU D175	14 W

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
30217599	DN068B G2 LED6/830 PSU D100	(0.44, 0.40) SDCM≤6
30218299	DN068B G2 LED6/840 PSU D100	(0.38, 0.38) SDCM≤6
30219999	DN068B G2 LED6/865 PSU D100	(0.31, 0.34) SDCM≤6
30220599	DN068B G2 LED9/830 PSU D100	(0.44, 0.40) SDCM≤6
30221299	DN068B G2 LED9/840 PSU D100	(0.38, 0.38) SDCM≤6
30222999	DN068B G2 LED9/865 PSU D100	(0.31, 0.34) SDCM≤6
30214499	DN068B G2 LED4/830 PSU D75	(0.44, 0.40) SDCM≤6
30215199	DN068B G2 LED4/840 PSU D75	(0.38, 0.38) SDCM≤6
30216899	DN068B G2 LED4/865 PSU D75	(0.31, 0.34) SDCM≤6
30238099	DN068B G2 LED19/830 PSU D200	(0.44, 0.40) SDCM≤6
30239799	DN068B G2 LED20/840 PSU D200	(0.38, 0.38) SDCM≤6
30240399	DN068B G2 LED20/865 PSU D200	(0.31, 0.34) SDCM≤6
30223699	DN068B G2 LED9/830 PSU D125	(0.44, 0.40) SDCM≤6
30224399	DN068B G2 LED9/840 PSU D125	(0.38, 0.38) SDCM≤6

Order Code	Full Product Name	Initial chromaticity
30225099	DN068B G2 LED9/865 PSU D125	(0.31, 0.34) SDCM≤6
30226799	DN068B G2 LED12/830 PSU D125	(0.44, 0.40) SDCM≤6
30227499	DN068B G2 LED13/840 PSU D125	(0.38, 0.38) SDCM≤6
30228199	DN068B G2 LED13/865 PSU D125	(0.31, 0.34) SDCM≤6
30229899	DN068B G2 LED11/830 PSU D150	(0.44, 0.40) SDCM≤6
30230499	DN068B G2 LED12/840 PSU D150	(0.38, 0.38) SDCM≤6
30231199	DN068B G2 LED12/865 PSU D150	(0.31, 0.34) SDCM≤6
30232899	DN068B G2 LED15/830 PSU D150	(0.44, 0.40) SDCM≤6
30233599	DN068B G2 LED16/840 PSU D150	(0.38, 0.38) SDCM≤6
30234299	DN068B G2 LED16/865 PSU D150	(0.31, 0.34) SDCM≤6
30235999	DN068B G2 LED14/830 PSU D175	(0.44, 0.40) SDCM≤6
30236699	DN068B G2 LED15/840 PSU D175	(0.38, 0.38) SDCM≤6
30237399	DN068B G2 LED15/865 PSU D175	(0.31, 0.34) SDCM≤6

