Setting the standard in Surface-mounted LED Downlight

GreenSpace Surface-mounted

Philips GreenSpace Surface-mounted LED Downlight delivers a superior LED alternative that's up to 66% more energy efficient than the conventional downlight retrofits. Blending seamlessly into its environment, GreenSpace Surface-mounted LED Downlight mimics the form of conventional recessed downlights minus the associated high energy and maintenance costs. Phiilips GreenSpace Surface-mounted LED Downlight is also ideal for all commercial lighting applications as well as public indoor space where there is limited space in the ceiling.

Benefits
- Lumen output: Different lumens in different sizes and mounting heights with options of 1000lm, 2000lm, 3800lm & 6600lm.
- Superior light performance: Colors rendered accurately(CRI>80) and high system efficacy(100lm/w)
- Varieties: IP20, IP65 version with choice of different lumen output, and option of black housing through tailor-made
- Long lifetime: 50,000 hour lifetime ensures more savings in the long run

Features
- System efficacy: 100lm/W, energy saving up to 66% vs conventional downlights
- Reliable performance: Lifetime 50,000hours (L70B50@Ta25°C)
- Excellent light quality - CRI>=80 @3000K,4000K and 6500K
- Integral lightweight design – Installation cost is significantly reduced
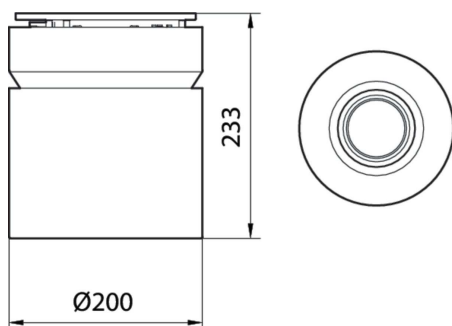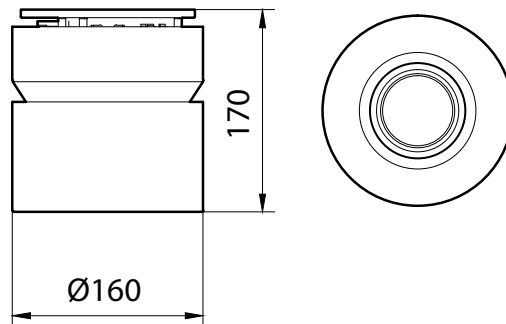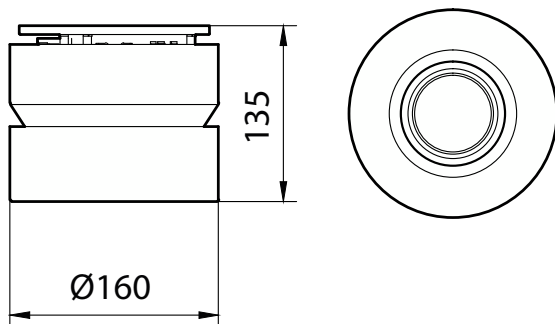
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Application
· Shopping mall
· Station concourse
· Canopy
· Airport public area
· Stadium public area

Specifications

Mounting type	surface mounted
Operating Temperature range	-20ºC to +40ºC
Light Source	LED module
Mains Voltage	220-240V AC / 50-60Hz
Dimming	PSU: non-dimmable
Material	Housing: Die-cast Aluminum
Main color of the luminaire	White
	Black (ETO available)
Lumen maintenance at median useful life 50.000h	L70
Luminous flux	LED10: 1000lm
	LED20: 2000lm
	LED40: 3800lm
	LED70: 6600lm

Power consumption	10W, 20W,38W, 66W
Luminaire efficacy	100lm/W @840
Correlated color temperature – CCT	3000K,4000K,6500K
Color Rendering index – CRI	80
Beam angle	LED10 & LED20: 90°
	LED40 & LED70: 60°
Protection Class IEC61140	Class I
Ingress protection	IP20 & IP65 for LED40 & LED70 only
Overall diameter	LED10/LED20: 160mm
	LED70: 200mm
	LED40: 160mm (IP20) & 200MM (IP65)
Installation	Surface Mount

Dimensional drawing

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General Information

CE mark	CE mark
Driver included	Yes
ENEC mark	-
Flammability mark	-
Glow-wire test	Temperature 750 ℃, duration 5 s
Light source replaceable	No
Number of gear units	1 unit
Service tag	Yes

Light Technical

Beam angle of light source	- degree(s)
Optical cover type	Reflector
Color rendering index (CRI)	>80
Optic type	High-gloss mirror

Operating and Electrical

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

Temperature

Ambient temperature range	–20 to +40 ℃

Controls and Dimming

Dimmable	No

Mechanical and Housing

Housing Color	White

Approval and Application

Protection class IEC	Safety class I
Mech. impact protection code	IK02

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1.00 %
Median useful life L80B50	40,000 hour(s)
Median useful life L90B50	20,000 hour(s)

Application Conditions

Suitable for random switching	No

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401847299	SM291C LED10/840 PSU WH GM	4000 K	100 lm/W	1,000 lm
911401847499	SM293C LED20/830 PSU WH GM	3000 K	105 lm/W	2,000 lm
911401847599	SM293C LED20/840 PSU WH GM	4000 K	105 lm/W	2,000 lm
911401847699	SM293C LED20/865 PSU WH GM	6500 K	105 lm/W	2,000 lm
911401847999	SM294C LED40/840 PSU WP WH GM	4000 K	105 lm/W	3,800 lm
911401848299	SM294C LED40/865 PSU WP WH GM	6500 K	105 lm/W	3,800 lm
911401848399	SM294C LED40/830 PSU WP WH GM	3000 K	105 lm/W	3,800 lm
911401848599	SM294C LED40/830 PSU WH GM	3000 K	100 lm/W	3,800 lm
911401848699	SM294C LED40/840 PSU WH GM	4000 K	100 lm/W	3,800 lm
911401848799	SM294C LED40/865 PSU WH GM	6500 K	100 lm/W	3,800 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401847299	SM291C LED10/840 PSU WH GM	10 W
911401847499	SM293C LED20/830 PSU WH GM	19 W
911401847599	SM293C LED20/840 PSU WH GM	19 W
911401847699	SM293C LED20/865 PSU WH GM	19 W
911401847999	SM294C LED40/840 PSU WP WH GM	36 W

Order Code	Full Product Name	Power Consumption
911401848299	SM294C LED40/865 PSU WP WH GM	36 W
911401848399	SM294C LED40/830 PSU WP WH GM	36 W
911401848599	SM294C LED40/830 PSU WH GM	38 W
911401848699	SM294C LED40/840 PSU WH GM	38 W
911401848799	SM294C LED40/865 PSU WH GM	38 W

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Approval and Application

Order Code	Full Product Name	Ingress protection code	Order Code	Full Product Name	Ingress protection code
911401847299	SM291C LED10/840 PSU WH GM	IP20	911401848299	SM294C LED40/865 PSU WP WH GM	IP65
911401847499	SM293C LED20/830 PSU WH GM	IP20	911401848399	SM294C LED40/830 PSU WP WH GM	IP65
911401847599	SM293C LED20/840 PSU WH GM	IP20	911401848599	SM294C LED40/830 PSU WH GM	IP20
911401847699	SM293C LED20/865 PSU WH GM	IP20	911401848699	SM294C LED40/840 PSU WH GM	IP20
911401847999	SM294C LED40/840 PSU WP WH GM	IP65	911401848799	SM294C LED40/865 PSU WH GM	IP20

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity	Order Code	Full Product Name	Initial chromaticity
911401847299	SM291C LED10/840 PSU WH GM	(0.38, 0.38) SDCM <5	911401848299	SM294C LED40/865 PSU WP WH GM	(0.31, 0.32) SDCM <5
911401847499	SM293C LED20/830 PSU WH GM	(0.44, 0.40) SDCM <5	911401848399	SM294C LED40/830 PSU WP WH GM	(0.44, 0.40) SDCM <5
911401847599	SM293C LED20/840 PSU WH GM	(0.38, 0.38) SDCM <5	911401848599	SM294C LED40/830 PSU WH GM	(0.44, 0.40) SDCM <5
911401847699	SM293C LED20/865 PSU WH GM	(0.31, 0.32) SDCM <5	911401848699	SM294C LED40/840 PSU WH GM	(0.38, 0.38) SDCM <5
911401847999	SM294C LED40/840 PSU WP WH GM	(0.38, 0.38) SDCM <5	911401848799	SM294C LED40/865 PSU WH GM	(0.31, 0.32) SDCM <5

www.lighting.philips.com

2023, October 26 – data subject to change