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
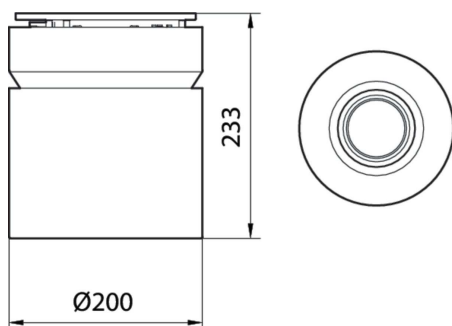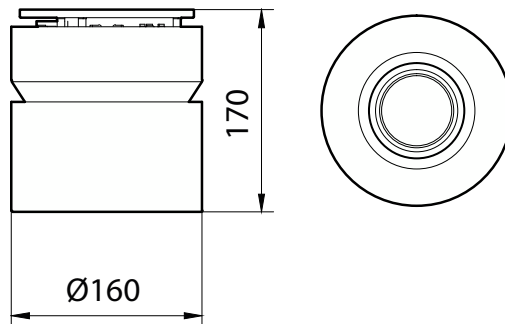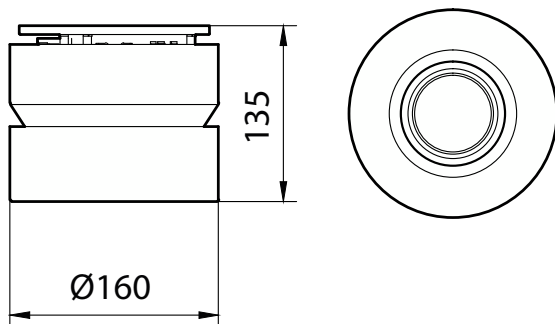
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Application
· Shopping mall
· Station concourse
· Canopy
· Airport public area
· Stadium public area

Specifications

Mounting type	surface mounted		**Power consumption**	10W, 20W,38W, 66W
Operating Temperature range	-20ºC to +40ºC		**Luminaire efficacy**	100lm/W @840
Light Source	LED module		**Correlated color temperature – CCT**	3000K,4000K,6500K
Mains Voltage	220-240V AC / 50-60Hz		**Color Rendering index – CRI**	80
Dimming	PSU: non-dimmable		**Beam angle**	LED10 & LED20: 90°
Material	Housing: Die-cast Aluminum			LED40 & LED70: 60°
Main color of the luminaire	White		**Protection Class IEC61140**	Class I
	Black (ETO available)			
Lumen maintenance at median useful life 50.000h	L70		**Ingress protection**	IP20 & IP65 for LED40 & LED70 only
			Overall diameter	LED10/LED20: 160mm
Luminous flux	LED10: 1000lm			LED70: 200mm
	LED20: 2000lm			LED40: 160mm (IP20) & 200MM (IP65)
	LED40: 3800lm		**Installation**	Surface Mount
	LED70: 6600lm			

Dimensional drawing

GreenSpace Surface-mounted

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 h
Median useful life L90B50	20,000 h

Application Conditions

Suitable for random switching	No

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401847199	SM291C LED10/830 PSU WH GM	3000 K	100 lm/W	1,000 lm
911401847299	SM291C LED10/840 PSU WH GM	4000 K	100 lm/W	1,000 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

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401847199	SM291C LED10/830 PSU WH GM	10 W
911401847299	SM291C LED10/840 PSU WH GM	10 W
911401848399	SM294C LED40/830 PSU WP WH GM	36 W

Order Code	Full Product Name	Power Consumption
911401848599	SM294C LED40/830 PSU WH GM	38 W
911401848699	SM294C LED40/840 PSU WH GM	38 W

Approval and Application

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Order Code	Full Product Name	Ingress protection code
911401847199	SM291C LED10/830 PSU WH GM	IP20
911401847299	SM291C LED10/840 PSU WH GM	IP20
911401848399	SM294C LED40/830 PSU WP WH GM	IP65

Order Code	Full Product Name	Ingress protection code
911401848599	SM294C LED40/830 PSU WH GM	IP20
911401848699	SM294C LED40/840 PSU WH GM	IP20

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
911401847199	SM291C LED10/830 PSU WH GM	(0.44, 0.40) SDCM <5
911401847299	SM291C LED10/840 PSU WH GM	(0.38, 0.38) SDCM <5
911401848399	SM294C LED40/830 PSU WP WH GM	(0.44, 0.40) SDCM <5

Order Code	Full Product Name	Initial chromaticity
911401848599	SM294C LED40/830 PSU WH GM	(0.44, 0.40) SDCM <5
911401848699	SM294C LED40/840 PSU WH GM	(0.38, 0.38) SDCM <5

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www.lighting.philips.com

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