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
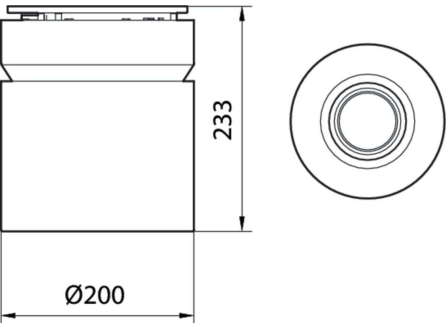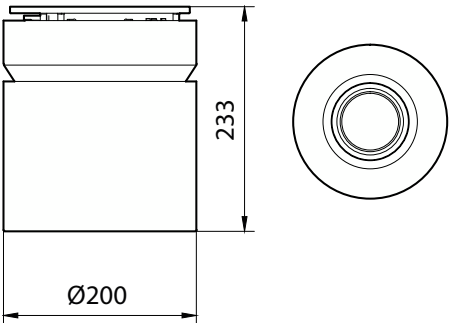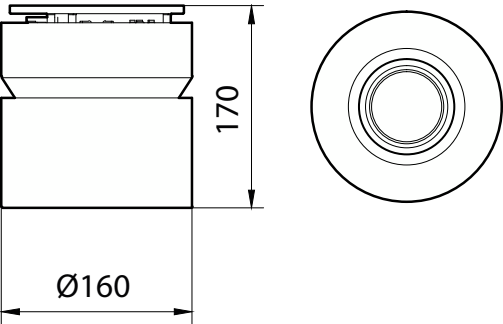
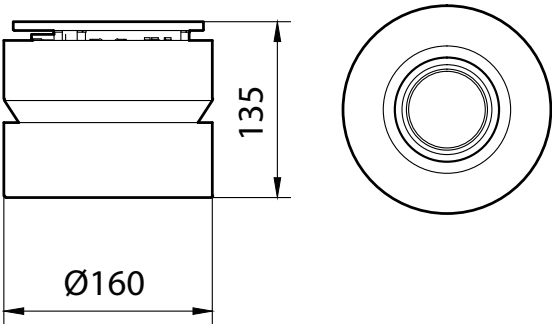# GreenSpace Surface-mounted

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)		Ingress protection	IP20 & IP65 for LED40 & LED70 only
Lumen maintenance at median useful life 50.000h	L70		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

Driver included	Yes
Light source replaceable	No
Number of gear units	1 unit
Service tag	Yes

Light Technical

Color rendering index (CRI)	>80
Optic type	High-gloss mirror

Operating and Electrical

Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Suitable for random switching	No

Controls and Dimming

Dimmable	No

Mechanical and Housing

Optical cover type	Reflector
Mech. impact protection code	IK02

Approval and Application

Ambient temperature range	–20 to +40 °C
CE mark	Yes
ENEC mark	–
Flammability mark	–
Glow-wire test	Temperature 750 °C, duration 5 s

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)

Light Technical

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401509231	SM291C LED10/840 PSU BK	–	4000 K	100 lm/W	1,000 lm
911401509831	SM293C LED20/840 PSU BK	–	4000 K	105 lm/W	2,000 lm
911401847299	SM291C LED10/840 PSU WH GM	– degree(s)	4000 K	100 lm/W	1,000 lm
911401847399	SM291C LED10/865 PSU WH GM	– degree(s)	6500 K	100 lm/W	1,000 lm
911401847499	SM293C LED20/830 PSU WH GM	– degree(s)	3000 K	105 lm/W	2,000 lm
911401847599	SM293C LED20/840 PSU WH GM	– degree(s)	4000 K	105 lm/W	2,000 lm
911401847699	SM293C LED20/865 PSU WH GM	– degree(s)	6500 K	105 lm/W	2,000 lm
911401847799	SM295C LED70/840 PSU WP WH GM	– degree(s)	4000 K	100 lm/W	6,600 lm
911401847999	SM294C LED40/840 PSU WP WH GM	– degree(s)	4000 K	105 lm/W	3,800 lm
911401848299	SM294C LED40/865 PSU WP WH GM	– degree(s)	6500 K	105 lm/W	3,800 lm
911401848399	SM294C LED40/830 PSU WP WH GM	– degree(s)	3000 K	105 lm/W	3,800 lm
911401848599	SM294C LED40/830 PSU WH GM	– degree(s)	3000 K	100 lm/W	3,800 lm
911401848699	SM294C LED40/840 PSU WH GM	– degree(s)	4000 K	100 lm/W	3,800 lm
911401848799	SM294C LED40/865 PSU WH GM	– degree(s)	6500 K	100 lm/W	3,800 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401509231	SM291C LED10/840 PSU BK	10 W
911401509831	SM293C LED20/840 PSU BK	19 W
911401847299	SM291C LED10/840 PSU WH GM	10 W
911401847399	SM291C LED10/865 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

Order Code	Full Product Name	Power Consumption
911401847799	SM295C LED70/840 PSU WP WH GM	66 W
911401847999	SM294C LED40/840 PSU WP WH GM	36 W
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

Mechanical and Housing

GreenSpace Surface-mounted

Order Code	Full Product Name	Housing Color	Ingress protection code
911401509231	SM291C LED10/840 PSU BK	Black	IP20
911401509831	SM293C LED20/840 PSU BK	Black	IP20
911401847299	SM291C LED10/840 PSU WH GM	White	IP20
911401847399	SM291C LED10/865 PSU WH GM	White	IP20
911401847499	SM293C LED20/830 PSU WH GM	White	IP20
911401847599	SM293C LED20/840 PSU WH GM	White	IP20
911401847699	SM293C LED20/865 PSU WH GM	White	IP20

Order Code	Full Product Name	Housing Color	Ingress protection code
911401847799	SM295C LED70/840 PSU WP WH GM	White	IP65
911401847999	SM294C LED40/840 PSU WP WH GM	White	IP65
911401848299	SM294C LED40/865 PSU WP WH GM	White	IP65
911401848399	SM294C LED40/830 PSU WP WH GM	White	IP65
911401848599	SM294C LED40/830 PSU WH GM	White	IP20
911401848699	SM294C LED40/840 PSU WH GM	White	IP20
911401848799	SM294C LED40/865 PSU WH GM	White	IP20

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
911401509231	SM291C LED10/840 PSU BK	(0.38, 0.38) SDCM <5
911401509831	SM293C LED20/840 PSU BK	(0.38, 0.38) SDCM <5
911401847299	SM291C LED10/840 PSU WH GM	(0.38, 0.38) SDCM <5
911401847399	SM291C LED10/865 PSU WH GM	(0.31, 0.32) SDCM <5
911401847499	SM293C LED20/830 PSU WH GM	(0.44, 0.40) SDCM <5
911401847599	SM293C LED20/840 PSU WH GM	(0.38, 0.38) SDCM <5
911401847699	SM293C LED20/865 PSU WH GM	(0.31, 0.32) SDCM <5

Order Code	Full Product Name	Initial chromaticity
911401847799	SM295C LED70/840 PSU WP WH GM	(0.38, 0.38) SDCM <5
911401847999	SM294C LED40/840 PSU WP WH GM	(0.38, 0.38) SDCM <5
911401848299	SM294C LED40/865 PSU WP WH GM	(0.31, 0.32) SDCM <5
911401848399	SM294C LED40/830 PSU WP WH GM	(0.44, 0.40) SDCM <5
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
911401848799	SM294C LED40/865 PSU WH GM	(0.31, 0.32) SDCM <5