



# 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. Philips 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**

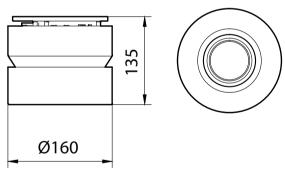
- · Shopping mall
- · Station concourse
- Canopy
- · Airport public area
- · Stadium public area

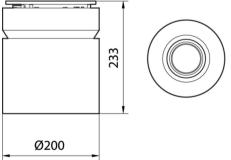
### **Specifications**

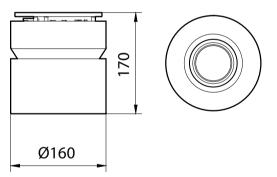
Mounting type	surface mounted
Operating Temperature	-20°C to +40°C
range	
Light Source	LED module
Mains Voltage	220-240V AC / 50-60Hz
Dimming	PSU: non-dimmable
Material	Housing: Die-cast Aluminum
Main color of the	White
luminaire	Black (ETO available )
Lumen maintenance at	L70
median useful life	
50.000h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

Power consumption	10W, 20W,38W, 66W
Luminaire efficacy	100lm/W @840
Correlated color	3000K,4000K,6500K
temperature - CCT	
Color Rendering index -	- 80
CRI	
Beam angle	LED10 & LED20: 90°
	LED40 & LED70: 60°
Protection Class	Class I
IEC61140	
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







# **GreenSpace Surface-mounted**

General Information	
Driver included	Yes
Light source replaceable	No
Number of gear units	1 unit
Service tag	Yes
Light Technical	
Beam angle of light source	- degree(s)
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
Housing Color	White
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 Compli	ant)
Luminous flux tolerance	+/-10%
Over Time Performance (IEC Co	mpliant)
Driver failure rate at 5000 h	1.00 %
Median useful life L80B50	40,000 h
	-,

### Light Technical

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		Correlated Color	Luminous Efficacy	
Order Code	Full Product Name	Temperature (Nom)	(rated) (Nom)	Luminous Flux
911401847199	SM291C LED10/830 PSU WH	3000 K	100 lm/W	1,000 lm
	GM			
911401847299	SM291C LED10/840 PSU WH	4000 K	100 lm/W	1,000 lm
	GM			
911401848399	SM294C LED40/830 PSU WP	3000 K	105 lm/W	3,800 lm
	WH GM			
911401848599	SM294C LED40/830 PSU WH	3000 K	100 lm/W	3,800 lm
	GM			
911401848699	SM294C LED40/840 PSU WH	4000 K	100 lm/W	3,800 lm
	GM			

## 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

### Mechanical and Housing

Order Code	Full Product Name	Ingress protection code
911401847199	SM291C LED10/830 PSU WH GM	IP20

Order Code	Full Product Name	Ingress protection code
911401847299	SM291C LED10/840 PSU WH GM	IP20

## **GreenSpace Surface-mounted**

Order Code	Full Product Name	Ingress protection code
911401848399	SM294C LED40/830 PSU WP WH GM	IP65
911401848599	SM294C LED40/830 PSU WH GM	IP20

Order Code	Full Product Name	Ingress protection code
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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