



# 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

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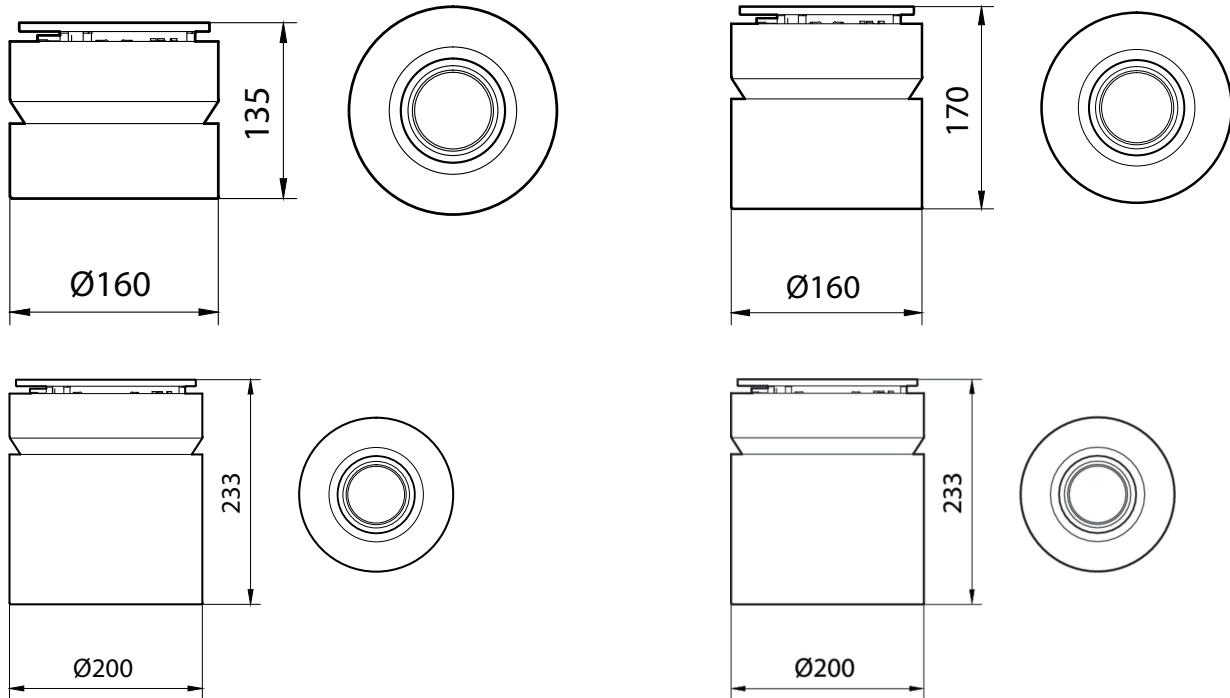
## Application

- 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             | -20°C to +40°C   | 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°<br>LED40 & LED70: 60°                                 |
| Material                                | Housing: Die-cast Aluminum                                       | Protection Class                   | Class I  |
| Main color of the luminaire             | White<br>Black (ETO available )                                  | IEC61140                           |  |
| Lumen maintenance at median useful life | L70<br>50.000h   | Ingress protection                 | IP20 & IP65 for LED40 & LED70 only                                       |
| Luminous flux                           | LED10: 1000lm<br>LED20: 2000lm<br>LED40: 3800lm<br>LED70: 6600lm | Overall diameter                   | LED10/LED20: 160mm<br>LED70: 200mm<br>LED40: 160mm (IP20) & 200MM (IP65) |
|   |  | Installation                       | Surface Mount  |

## Dimensional drawing



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| 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                        |
| 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 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 | Luminous Efficacy (rated) | Luminous Flux |
|--------------|-------------------------------|----------------------------|------------------------------|---------------------------|---------------|
|              |                               |                            | (Nom)                        | (Nom)                     |               |
| 911401509431 | SM293C LED20/830 PSU WH       | -                          | 3000 K                       | 105 lm/W                  | 2,000 lm      |
| 911401847399 | SM291C LED10/865 PSU WH GM    | - degree(s)                | 6500 K                       | 100 lm/W                  | 1,000 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      |
| 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 |
|--------------|-------------------------------|-------------------|
| 911401509431 | SM293C LED20/830 PSU WH       | 19 W              |
| 911401847399 | SM291C LED10/865 PSU WH GM    | 10 W              |
| 911401847599 | SM293C LED20/840 PSU WH GM    | 19 W              |
| 911401847699 | SM293C LED20/865 PSU WH GM    | 19 W              |
| 911401847799 | SM295C LED70/840 PSU WP WH GM | 66 W              |

| Order Code   | Full Product Name             | Power Consumption |
|--------------|-------------------------------|-------------------|
| 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              |
| 911401848699 | SM294C LED40/840 PSU WH GM    | 38 W              |
| 911401848799 | SM294C LED40/865 PSU WH GM    | 38 W              |

## Mechanical and Housing

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| Order Code   | Full Product Name             | Ingress protection code |
|--------------|-------------------------------|-------------------------|
| 911401509431 | SM293C LED20/830 PSU WH       | IP20                    |
| 911401847399 | SM291C LED10/865 PSU WH GM    | IP20                    |
| 911401847599 | SM293C LED20/840 PSU WH GM    | IP20                    |
| 911401847699 | SM293C LED20/865 PSU WH GM    | IP20                    |
| 911401847799 | SM295C LED70/840 PSU WP WH GM | IP65                    |

| Order Code   | Full Product Name             | Ingress protection code |
|--------------|-------------------------------|-------------------------|
| 911401847999 | SM294C LED40/840 PSU WP WH GM | IP65                    |
| 911401848299 | SM294C LED40/865 PSU WP WH GM | IP65                    |
| 911401848399 | SM294C LED40/830 PSU WP WH GM | IP65                    |
| 911401848699 | SM294C LED40/840 PSU WH GM    | IP20                    |
| 911401848799 | SM294C LED40/865 PSU WH GM    | IP20                    |

### Initial Performance (IEC Compliant)

| Order Code   | Full Product Name             | Initial chromaticity |
|--------------|-------------------------------|----------------------|
| 911401509431 | SM293C LED20/830 PSU WH       | (0.44, 0.40) SDCM <5 |
| 911401847399 | SM291C LED10/865 PSU WH GM    | (0.31, 0.32) 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 |
| 911401847799 | SM295C LED70/840 PSU WP WH GM | (0.38, 0.38) SDCM <5 |

| Order Code   | Full Product Name             | Initial chromaticity |
|--------------|-------------------------------|----------------------|
| 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 |
| 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 |

