



# TrueCircle Surface & Suspended

## SM250C 20S/830 PSU PSP D380 BK

TrueCircle Surface & Suspended, 19.5 W, D380 mm, 2000 lm, 3000 K

TrueCircle is a functional surface mount round luminaire with a strict classical design to fit in almost any office space. It is a modern, unobtrusive designed family of luminaire in Surface mounted & Suspended providing direct diffuse light ensuring this luminaire will blend into the architecture of most buildings. This range features a selection 2 different sizes, light outputs, and optics. The special micro prismatic optics provides glare-free comfort & also infuses the homogeneous light by offering full Office compliance. This new round luminaire from Philips offers sustainable solution with installation flexibility, creating exemplary illumination & high quality of light.

### Product data

| General Information      |                 | Operating and Electrical           |                |
|--------------------------|-----------------|------------------------------------|----------------|
| Light source replaceable | No              | Correlated Color Temperature (Nom) | 3000 K         |
| Number of gear units     | 1 unit          | Luminous Efficacy (rated) (Nom)    | 102 lm/W       |
| Gear                     | EB [Electronic] | Color rendering index (CRI)        | >80            |
| Driver included          | Yes             | Beam angle of light source         | 120 degree(s)  |
| Service tag              | Yes             | Light source color                 | 830 warm white |
| Lighting Technology      | LED             | Optic type                         | Wide beam      |
| Value ladder             | Performance     | Luminaire light beam spread        | 120°           |
| Warranty period          | 5 years         | Unified glare rating CEN           | 22             |
| Light Technical          |                 | Input Voltage                      | 220 to 240 V   |
| Luminous Flux            | 2,000 lm        | Line Frequency                     | 50 to 60 Hz    |
| Saturated Red (R9)       | <50             | Average CLO power consumption      | - W            |

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|  |                                   |
|--|-----------------------------------|
| Inrush current                           | 12.8 A                            |
| Inrush time                              | 208 ms                            |
| Power Consumption                        | 19.5 W                            |
| Power Factor (Fraction)                  | 0.9                               |
| Connection                               | Push-in connector and pull relief |
| Cable                                    | -                                 |
| Number of products on MCB of 16 A type B | 50                                |
| Suitable for random switching            | No                                |
| Protection class IEC                     | Safety class I                    |
| Total harmonic distortion                | 20 %                              |

### Controls and Dimming

|                               |                            |
|-------------------------------|----------------------------|
| Dimmable                      | No                         |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface             | -                          |
| Constant light output         | No                         |
| Maximum dim level             | Not applicable             |

### Mechanical and Housing

|                              |                         |
|------------------------------|-------------------------|
| Housing Material             | Aluminium               |
| Reflector material           | Steel                   |
| Optic material               | -                       |
| Optical cover material       | Polystyrene             |
| Fixation material            | -                       |
| Housing Color                | Black                   |
| Optical cover finish         | Matte                   |
| Overall length               | 380 mm                  |
| Overall height               | 115 mm                  |
| Overall diameter             | 380 mm                  |
| Ingress protection code      | IP20 [Finger-protected] |
| Mech. impact protection code | IK02 [0.2 J standard]   |
| Net Weight (Piece)           | 2.200 kg                |

### Emergency Operation

|                   |    |
|-------------------|----|
| Central Emergency | No |
|-------------------|----|

### Approval and Application

|                      |   |
|----------------------|---|
| Glow-wire test       | Temperature 650 °C, duration 30 s               |
| Flammability mark    | For mounting on normally flammable surfaces     |
| CE mark              | Yes   |
| ENEC mark            | -   |
| Photobiological risk | Photobiological risk group 1 @ 200mm to EN62471 |

|   |               |
|---|---------------|
| EU RoHS compliant   | Yes           |
| Performance ambient temperature Tq                              | 25 °C         |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1             |
| Stroboscopic effect visibility measure (SVM)                    | 0.4           |
| Ambient temperature range                                       | -10 to +40 °C |

### Initial Performance (IEC Compliant)

|                             |                           |
|-----------------------------|---------------------------|
| Luminous flux tolerance     | +/-10%                    |
| Initial chromaticity        | (0.38, 0.38) SDCM <lt;/>3 |
| Power consumption tolerance | +/-10%                    |

### Over Time Performance (IEC Compliant)

|   |       |
|---|-------|
| Driver failure rate at 5000 h                                       | 80 %  |
| Control gear failure rate at median useful life 50000 h             | 0.1 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L80   |

### Sustainability Data

|                       |   |
|-----------------------|---|
| Sustainability rating | Unclassified  |
| Repair class          | Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time. |

### Product Data

|                                 |                                |
|---------------------------------|--------------------------------|
| Order product name              | SM250C 20S/830 PSU PSP D380 BK |
| Full product name               | SM250C 20S/830 PSU PSP D380 BK |
| Full product code               | 871869979803100                |
| Order code                      | 912401483443                   |
| Material Nr. (12NC)             | 912401483443                   |
| Numerator - Quantity Per Pack   | 1                              |
| EAN/UPC - Product/Case          | 8718699798031                  |
| Numerator - Packs per outer box | 1                              |
| EAN/UPC - Case                  | 8718699798031                  |

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### Dimensional drawing

