



# TrueCircle Surface & Suspended

## SM250C 20S/840 PSD PSP D380 BK

TrueCircle Surface & Suspended, 20 W, D380 mm, 2000 lm, 4000 K, DALI

D380 mm, Aluminium, Black, Signal black (RAL9004), Power supply unit with DALI interface, 2000 lm, 20 W, 101 lm/W, 4000 K, (0.38, 0.38) SDCM <lt/>3, Wide beam, Matte, Polystyrene, IP20 | Finger-protected, IK02 | 0.2 J standard, Safety class I, Push-in connector and pull relief

### Product data

| General Information                |                 |
|------------------------------------|-----------------|
| Light source replaceable           | No              |
| Number of gear units               | 1 unit          |
| Gear                               | EB [Electronic] |
| Driver included                    | Yes             |
| Service tag                        | Yes             |
| Lighting Technology                | LED             |
| Value ladder                       | Performance     |
| Warranty period                    | 5 years         |
| Light Technical                    |                 |
| Luminous Flux                      | 2,000 lm        |
| Saturated Red (R9)                 | <50             |
| Correlated Color Temperature (Nom) | 4000 K          |
| Luminous Efficacy (rated) (Nom)    | 101 lm/W        |
| Color rendering index (CRI)        | >80             |
| Beam angle of light source         | 120 degree(s)   |

| Light source color                       | 840 neutral white                 |
|------------------------------------------|-----------------------------------|
| Optic type                               | Wide beam                         |
| Luminaire light beam spread              | 120°                              |
| Unified glare rating CEN                 | 22                                |
| Operating and Electrical                 |                                   |
| Input Voltage                            | 220 to 240 V                      |
| Line Frequency                           | 50 to 60 Hz                       |
| Average CLO power consumption            | - W                               |
| Inrush current                           | 18 A                              |
| Inrush time                              | 250 ms                            |
| Power Consumption                        | 20 W                              |
| Power Factor (Fraction)                  | 0.9                               |
| Connection                               | Push-in connector and pull relief |
| Cable                                    | -                                 |
| Number of products on MCB of 16 A type B | 34                                |
| Suitable for random switching            | No                                |

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|                           |                |
|---------------------------|----------------|
| Protection class IEC      | Safety class I |
| Total harmonic distortion | 20 %           |

### Controls and Dimming

|                               |                                       |
|-------------------------------|---------------------------------------|
| Dimmable                      | Yes                                   |
| Driver/power unit/transformer | Power supply unit with DALI interface |
| Control interface             | DALI                                  |
| Constant light output         | No                                    |
| DALI Standard                 | DALI-2™                               |
| Maximum dim level             | 1%                                    |

### 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

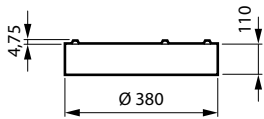
|                                            |                                                                                                                                                                                                                                                   |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| Non-virgin material ratio of the packaging | Cardboard > 80% recycled Plastic >35% recycled                                                                                                                                                                                                    |
| Packaging Recyclable content ratio         | Cardboard recycling rate > 80% Plastic recycling rate > 40%                                                                                                                                                                                       |
| Packaging Material                         | Cardboard Plastic                                                                                                                                                                                                                                 |

### Product Data

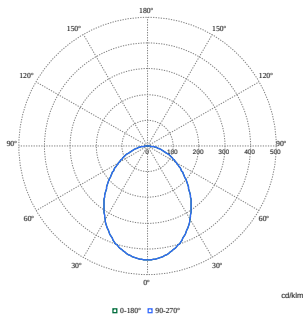
|                                 |                                |
|---------------------------------|--------------------------------|
| Order product name              | SM250C 20S/840 PSD PSP D380 BK |
| Full product name               | SM250C 20S/840 PSD PSP D380 BK |
| Full product code               | 871869979805500                |
| Order code                      | 912401483445                   |
| Material Nr. (12NC)             | 912401483445                   |
| Numerator - Quantity Per Pack   | 1                              |
| EAN/UPC - Product/Case          | 8718699798055                  |
| Numerator - Packs per outer box | 1                              |
| EAN/UPC - Case                  | 8718699798055                  |

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - 912401483445

