PHILIPS

**EM252C SM 4S OA/CO NM3 ELW IP40 WH**

912401483624



signify interact

# Emergency Surface Mounted Downlight Wireless, Surface-mounted Downlight, 4 W, 3.6 W, 4 W, 222x171mm; H42, 415 lm, 5000 K, IP40, ELW3h, Non-maintained

Surface-mounted Downlight, 222x171mm; H42, Polycarbonate, White, Signal white (RAL9003), Ceiling, Wall, 415 lm, 4 W, 104 lm/W, 5000 K, (0.346, 0.356) SDCM<5, CRI70, Clear, UV stabilized Polycarbonate cover, IP40 | Wire-protected, IK04 | 0.5 J standard plus, Safety class II, Push-in connector 2-pole, TP(a) diffuser flammability class, Emergency lighting 3 hours duration with Wireless Interface

## Warnings and Safety

- The battery is designed with a rated average battery design life of 50,000 hours in standby mode. The battery is supported with a standard 5year warranty; conditional of the product being maintained and operated in accordance with the manufacturer's guidelines andtested in accordance with EN50272

## General Information

| | |
|---|---|
| Number of gear units | 1 unit |
| Driver included | Yes |
| Sustainability rating | Unclassified |
| Service tag | No |
| Value ladder | Specification |
| Warranty period | 5 years |

## Light Technical

| | |
|---|---|
| Luminous Flux | 415 lm |
| Saturated Red (R9) | <50 |
| Correlated Color Temperature (Nom) | 5000 K |
| Luminous Efficacy (rated) (Nom) | 104 lm/W |
| Color rendering index (CRI) | ≥70 |
| Light source color | 750 neutral white |
| Optic type | - |
| Luminaire light beam spread | 235° |
| Unified glare rating CEN | Not applicable |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 220-240 V |
| Line Frequency | 50 Hz |
| Inrush current | 12.7 A |
| Inrush time | 0.161 ms |
| Power Consumption | 4 W |
| Power Factor (Fraction) | 0.38 |
| Connection | Push-in connector 2-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 64 |
| Suitable for random switching | Not applicable |
| Protection class IEC | Safety class II |
| Feed-through wiring | - |

## Wiring

| | |
|---|---|
| Connector Type | Push |

## Controls and Dimming

| | |
|---|---|
| Dimmable | No |
| Driver/power unit/transformer | - |
| Control interface | InterAct office |
| Constant light output | No |
| DALI Standard | DALI-2™ |
| Maximum dim level | Not applicable |
| Connectivity | Interact Ready |
| Photocell | - |

## Mechanical and Housing

| | |
|---|---|
| Housing Material | Polycarbonate |
| Reflector material | - |
| Optic material | Polycarbonate |
| Optical cover material | UV stabilized Polycarbonate cover |
| Fixation material | - |
| Housing Color | White |
| Optical cover finish | Clear |
| Overall length | 222 mm |
| Overall width | 171 mm |
| Overall height | 42 mm |
| Dimensions (Height x Width x Depth) | 42 x 171 x 222 mm |
| Ingress protection code | IP40 [Wire-protected] |
| Mech. impact protection code | IK04 [0.5 J standard plus] |
| Explosion hazard class | - |
| Mounting | Ceiling |
| Net Weight (Piece) | 0.710 kg |

## Emergency Operation

| | |
|---|---|
| Emergency flux | 415 lm |
| Power consumption during Central DC emergency mode | 3.6 W |
| Rated duration of the emergency lighting (when fully charged) | 3 hour(s) |
| Additional max. power consumption when emergency battery is charging | 4 W |
| Central Emergency | No |
| Type of emergency lighting battery | Lithium |
| Emergency lighting | Emergency lighting 3 hours duration with Wireless Interface |
| Emergency function testing method | Programmed automatic self testing via DALI or wireless lighting control system |
| Emergency lighting operation mode | Non-maintained |

## Approval and Application

| | |
|---|---|
| Glow-wire test | Temperature 850 °C, duration 30 s |
| Flammability mark | - |
| CE mark | Yes |
| ENEC mark | - |
| Photobiological risk | Photobiological risk group 0 @ 200mm to EN62471 |
| EU RoHS compliant | Yes |
| Diffuser Flammability Class | TP(a) diffuser flammability class |
| 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 | 0 to +55 °C |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| Luminous flux tolerance | +/-5% |
| Initial chromaticity | (0.346, 0.356) SDCM<5 |
| Power consumption tolerance | +/-10% |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| Control gear failure rate at median useful life 35000 h | 5 % |
| Control gear failure rate at median useful life 50000 h | 10 % |
| Control gear failure rate at median useful life 75000 h | 25 % |
| Control gear failure rate at median useful life 100000 h | 50 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 35000 h | L95 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L95 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h | L90 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L90 |

## Sustainability Data

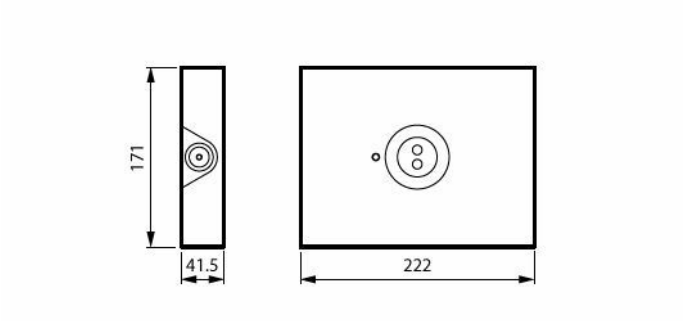
| | |
|---|---|
| Repair class | Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time. |
| Embedded carbon (A1-A3) | 9.06 kg $CO_2e$ |
| Product non-virgin material ratio | 7.66 % |
| Recyclable content ratio of the finished product | 16.8 % |
| GWP total B6 (kg CO2eq) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh) |
| GWP total B6 (kg CO2eq) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh) |
| Non-virgin material ratio of the packaging | Cardboard > 80% recycled |
| Packaging Recyclable content ratio | Cardboard recycling rate > 80% |
| Packaging Material | Cardboard |

## Product Data

| | |
|---|---|
| Order product name | EM252C SM 4S OA/CO NM3 ELW IP40 WH |
| Full product name | EM252C SM 4S OA/CO NM3 ELW IP40 WH |
| Full product code | 871951488045000 |
| Order code | 912401483624 |

| | |
|---|---|
| Material Nr. (12NC) | 912401483624 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514880450 |
| Numerator - Packs per outer box | 10 |
| EAN/UPC - Case | 8719514880276 |

## Dimensional drawing




## Related Documents

| Documents and certificates | Document Name | Download |
|---|---|---|
| Environmental Product Declaration | EPD-PHILIPS-EM252C-SM-4S-OA-CO-NM3-ELW-IP40-WH-912401483624-V2.pdf | Download |
| Installation Instructions | Emergency-Surf-M-Downlight-Wireless-EM252C-INI.pdf | Download |

| Photometry and lighting design | Document Name | Download |
|---|---|---|
| IES File | EM252C-SM-4S-CO-OA-NM3-ELW-IP40-912401483624.zip | Download |

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