# CoreLine surface mounted gen 4

## SM136V G4 36_45_68S/840 PSD W20L157 OC

CoreLine surface mounted gen 4, All-in, 43.5 W, 22.5 W, 200x1570 mm, 3600 lm, 4500 lm, 6800 lm, 4000 K, DALI, UGR19

Introducing Philips CoreLine surface-mounted gen4, a family of high-quality and innovative light fixtures designed to deliver energy-efficient and long-lasting illumination for your home or office. With higher lumen packages up to 6800 lm, improved efficiency of up to 160 lm/W, and a longer lifetime of L90@50K hrs/ L80@100K hrs, our CoreLine family provides bright and long-lasting illumination. Our surface-mounted light fixtures feature DC plugs in all versions, packaging from a single box to 4-in-1, and plastics-free packaging, making them eco-friendly and cost-effective. Our CoreLine surface-mounted gen4 features the same green quick connectors as the CoreLine panel, and is compatible with Wieland GSTi3 and GST/5 connectors. Upgrade your lighting today with Philips CoreLine surface-mounted gen4, a high-quality and innovative solution that delivers on the Philips promise of energy-efficient and long-lasting illumination.

## Product data

### General Information

| | |
|---|---|
| Number of gear units | 1 unit |
| Driver included | Yes |
| Value ladder | Performance |
| Serviceability class | Class C, luminaire without serviceable parts, not serviceable |
| Warranty period | 5 years |

| | |
|---|---|
| Sustainability rating | – |

### Light Technical

| | |
|---|---|
| Luminous Flux | 3,600 4,500 6,800 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 160 155 lm/W |
| Color rendering index (CRI) | >80 |
| Light source color | 840 neutral white |

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| | |
|---|---|
| **Optic type** | Wide beam office compliant |
| **Luminaire light beam spread** | 80° |
| **Unified glare rating CEN** | 19 |
| **All-in Type** | All-in, Multi Lumen |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220-240 V |
| **Line Frequency** | 50 or 60 Hz |
| **Inrush current** | 5.33 A |
| **Inrush time** | 0.04 ms |
| **Power Consumption** | 43.5 22.5 W |
| **Power Factor (Fraction)** | 0.9 |
| **Connection** | Push-in connector 5-pole |
| **Cable** | Cable without plug 5-pole |
| **Number of products on MCB of 16 A type B** | 46 |
| **Suitable for random switching** | No |
| **Protection class IEC** | Safety class II |

## 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™ |

## Mechanical and Housing

| | |
|---|---|
| **Housing Material** | Steel |
| **Reflector material** | Steel |
| **Optic material** | Polycarbonate |
| **Optical cover material** | Polycarbonate |
| **Fixation material** | – |
| **Housing Color** | White |
| **Optical cover finish** | Microprismatic lens |
| **Overall length** | 1,570 mm |
| **Overall width** | 200 mm |
| **Overall height** | 53 mm |
| **Dimensions (Height x Width x Depth)** | 53 x 200 x 1570 mm |
| **Ingress protection code** | IP20/44 [Finger-protected; wire-protected, splash-proof] |
| **Mech. impact protection code** | IK03 [0.35 J reinforced] |
| **Mounting** | Surface |

| | |
|---|---|
| **Net Weight (Piece)** | 4.380 kg |

## 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** | KEMA Netherlands |
| **Photobiological risk** | Photobiological risk group 0 @200mm to EN62778 |
| **EU RoHS compliant** | Yes |
| **Performance ambient temperature Tq** | 25 °C |
| **Ambient temperature range** | –10 to +40 °C |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +/-10% |
| **Initial chromaticity** | (0.38.0.38)SDCM<3 |
| **Power consumption tolerance** | +/-10% |

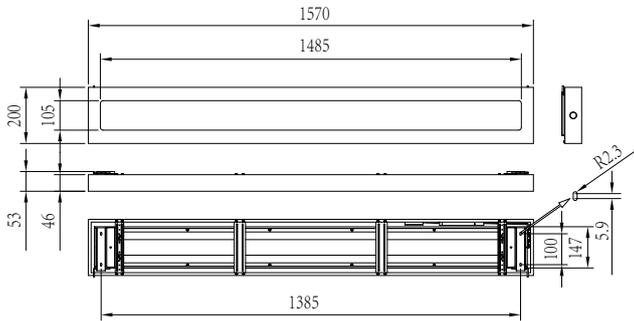## Over Time Performance (IEC Compliant)

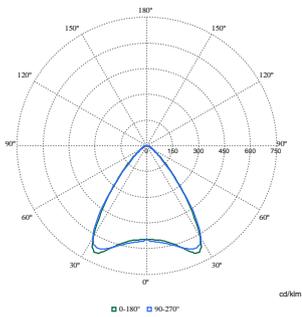| | |
|---|---|
| **Control gear failure rate at median useful life 50000 h** | 5 % |
| **Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h** | L90 |
| **Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h** | L80 |

## Product Data

| | |
|---|---|
| **Order product name** | SM136V G4 36_45_68S/840 PSD W20L157 OC |
| **Full product name** | SM136V G4 36_45_68S/840 PSD W20L157 OC |
| **Full product code** | 872016976429399 |
| **Order code** | 911401842487 |
| **Material Nr. (12NC)** | 911401842487 |
| **Numerator – Quantity Per Pack** | 1 |
| **EAN/UPC – Product/Case** | 8720169764293 |
| **Numerator – Packs per outer box** | 2 |
| **EAN/UPC – Case** | 8720169764576 |

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## Dimensional drawing



## Photometric data



**Polar Normal (separate) – null – 911401842487**