PHILIPS

## SM136V G4 43S/840 WIA W20L157 OC

911401842787



signify interact

# CoreLine surface mounted gen 4, 27.5 W, 1570x200 mm, 4300 lm, 4000 K, Wireless, Interact Ready, UGR19

1570x200 mm, Steel, White, Signal white (RAL9003), Surface, Wireless driver Interact System ready, 4300 lm, 27.5 W, 156 lm/W, 4000 K, (0.38.0.38)SDCM<3, UGR19, Wide beam office compliant, Microprismatic lens, Polycarbonate, IP20/44 | Finger-protected; wire-protected, splash-proof, IK03 | 0.35 J reinforced, Safety class II, Cable with connector 3-pole, Push-in connector 3-pole

## General Information

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

## Light Technical

| | |
|---|---|
| Luminous Flux | 4,300 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 156 lm/W |
| Color rendering index (CRI) | >80 |
| Light source color | 840 neutral white |
| Optic type | Wide beam office compliant |
| Luminaire light beam spread | 80° |
| Unified glare rating CEN | 19 |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 220-240 V |
| Line Frequency | 50 or 60 Hz |
| Inrush current | 4.9 A |
| Inrush time | 0.056 ms |
| Power Consumption | 27.5 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector 3-pole |
| Cable | Cable with connector 3-pole |
| Number of products on MCB of 16 A type B | 24 |
| Suitable for random switching | Yes |
| Protection class IEC | Safety class II |

## Controls and Dimming

| | |
|---|---|
| Dimmable | Yes |
| Driver/power unit/transformer | Wireless driver Interact System ready |
| Control interface | Wireless |
| Constant light output | No |
| Connectivity | Interact Ready |

## 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 | ENEC mark |
| 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 |

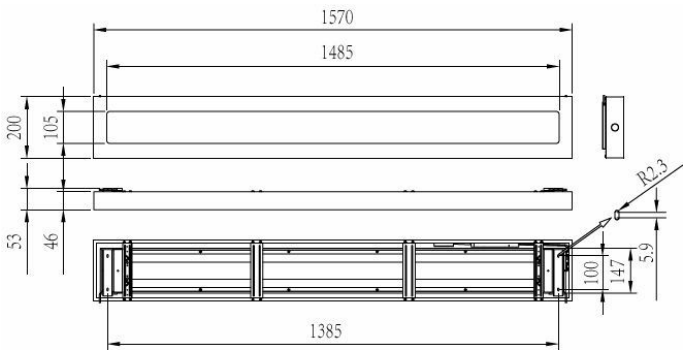
## Sustainability Data

| | |
|---|---|
| Repair class | Repair Class D, this product is not designed to be repaired. |
| Embedded carbon (A1-A3) | 39.5 kg $CO_2e$ |
| Product non-virgin material ratio | 23.8 % |
| Recyclable content ratio of the finished product | 70.4 % |
| 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 |

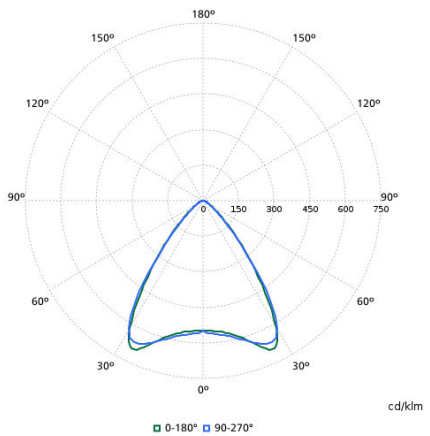
## Product Data

| | |
|---|---|
| Order product name | SM136V G4 43S/840 WIA W20L157 OC |
| Full product name | SM136V G4 43S/840 WIA W20L157 OC |
| Full product code | 872016976432399 |
| Order code | 911401842787 |
| Material Nr. (12NC) | 911401842787 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8720169764323 |
| Numerator - Packs per outer box | 2 |
| EAN/UPC - Case | 8720169764606 |

## Dimensional drawing




## Polar normal diagrams



## Compatible Accesories

| Accessory Image | Accessory Code | Accessory Name | Website |
|---|---|---|---|
|  | 911401806584 | SM136Z SME-3 WH | Product Website |
|  | 911401809487 | RC159Z Suspension set SME-3 WH | Product Website |

## Related Documents

| Documents and certificates | Document Name | Download |
|---|---|---|
| Installation Instructions | Installation-instructions-CoreLine-surface-mounted-Gen4.pdf | Download |
| Environmental Product Declaration | EPD-Philips-SM136V-G4-36-45-68S-840-PSU-W20L157-OC-Coreline-surface-mounted-911401842287.pdf | Download |
| Tender text | Tender_Text_911401842787_en_AA.txt | Download |

| Photometry and lighting design | Document Name | Download |
|---|---|---|
| IES File | sm136v-g4-43s-840-wia-w20l157-oc-911401842787.ies | Download |
| LDT File | sm136v-g4-43s-840-wia-w20l157-oc-911401842787.ldt | Download |
| ROLF File | sm136v-g4-43s-840-wia-w20l157-oc-911401842787.rolfz | Download |
| ULD File | sm136v-g4-43s-840-wia-w20l157-oc-911401842787.uld | Download |
| Revit file | sm136v-g4-43s-840-wia-w20l157-oc-911401842787.zip | Download |

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