



CoreLine Panel gen6

RC132V G6 48S/940 PSU W60L60 OC IP65

CoreLine Panel gen6, 45 W, 600x600 mm, VPC, 4800 lm, 4000 K, CRI>90, UGR19

Philips CoreLine panel Gen6 delivers on the CoreLine promise of innovation, easy installation, and excellent illumination. Designed as a direct replacement for functional luminaires in general lighting applications, this LED panel light's innovative All-in feature offers a choice of three lumen packages and three-color temperatures in a single luminaire. This makes it easy to select the right product, gives you the flexibility respond to customer preferences on site, and means fewer product codes on stock. Installing the CoreLine RC132V LED panel is quick and easy, using the product's quick connector or flywire. The CoreLine range includes Interact Ready luminaires with integrated wireless communications, ready to be used with Interact gateways, sensors, and software.

Product data

| General Information | | Color rendering index (CRI) | |
|------------------------------------|-------------|-----------------------------|-------------------|
| Number of gear units | 1 unit | | >90 |
| Driver included | Yes | Beam angle of light source | 90 degree(s) |
| Service tag | Yes | Light source color | 940 neutral white |
| Value ladder | Performance | Optic type | Beam angle 90° |
| Warranty period | 5 years | Luminaire light beam spread | 90° |
| Sustainability rating | - | Unified glare rating CEN | 19 |
| Light Technical | | Operating and Electrical | |
| Luminous Flux | 4,800 lm | Input Voltage | 220 to 240 V |
| Saturated Red (R9) | >50 | Line Frequency | 50 or 60 Hz |
| Correlated Color Temperature (Nom) | 4000 K | Inrush current | 17.2 A |
| Luminous Efficacy (rated) (Nom) | 107 lm/W | Inrush time | 0.29 ms |
| | | Power Consumption | 45 W |

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|--|---------------------------------------|
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector 2-pole |
| Cable | 2 cables 0.15m with connectors 2-pole |
| Number of products on MCB of 16 A type B | 20 |
| Suitable for random switching | Not applicable |
| Protection class IEC | Safety class II |
| Total harmonic distortion | 20 % |

Controls and Dimming

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

Mechanical and Housing

| | |
|---|--|
| Housing Material | Steel |
| Reflector material | - |
| Optic material | Polystyrene |
| Optical cover material | Polystyrene |
| Fixation material | - |
| Housing Color | White |
| Optical cover finish | Microprismatic lens |
| Overall length | 595 mm |
| Overall width | 595 mm |
| Overall height | 78 mm |
| Dimensions (Height x Width x Depth) | 78 x 595 x 595 mm |
| Compatible ceiling or ceiling installation accessory type | Visible profile ceiling version |
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK03 [0.3 J] |
| Safety device | SC [Safety cable] |
| Net Weight (Piece) | 2.900 kg |

Emergency Operation

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|-------------------|----|
| 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 | ENEC mark |
| Photobiological risk | Photobiological risk group 0 @200mm to EN62778 |
| Photobiological risk specification | 0.2 m |
| 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 +35 °C |

Initial Performance (IEC Compliant)

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|-----------------------------|----------------------|
| Luminous flux tolerance | -10% / +10% |
| Initial chromaticity | (0.38, 0.38) SDCM ≤3 |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

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|--|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L85 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L75 |

Product Data

| | |
|---------------------------------|--------------------------------------|
| Order product name | RC132V G6 48S/940 PSU W60L60 OC IP65 |
| Full product name | RC132V G6 48S/940 PSU W60L60 OC IP65 |
| Full product code | 872016973561399 |
| Order code | 911401891785 |
| Material Nr. (12NC) | 911401891785 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8720169735613 |
| Numerator - Packs per outer box | 4 |
| EAN/UPC - Case | 8720169735637 |

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Dimensional drawing

