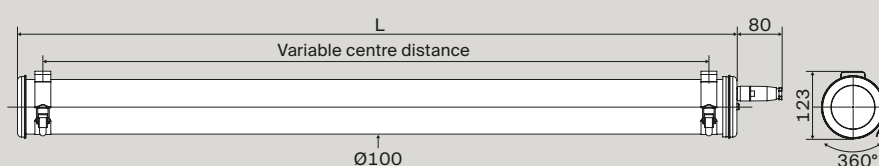


Carnot 100

| | |
|--------------|------------------|
| Technology | LED |
| Max. temp. | 40 °C |
| Light output | 2775 to 5550 lm |
| Control gear | "Industry" rated |

AF0719



Key features

| |
|---|
| Plug&Play-installation by disconnectable Plug |
| Suitable for repeated switching on and off |
| Long maintenance intervals |
| Durable and maintainable luminaire |
| Resistant to external UV-rays |



Options

| | |
|---|-------|
| Finishings | |
| End caps and fixing straps in Stainless Steel 316 L | MR |
| Housing | |
| Housing in Polycarbonate | PO |
| Cable entries (black polyamide) | |
| 1 cable gland - Ø cable: 5 to 12 mm | 113 |
| 1 cable gland - Ø cable: 7 to 14 mm | 116 |
| 2 cable glands - Ø cable: 5 to 12 mm | 213 |
| 2 cable glands - Ø cable: 7 to 14 mm | 216 |
| Cable entries (nickel-coated brass) | |
| 1 cable gland - Ø cable: 5 to 14 mm | 113LN |
| 2 cable glands - Ø cable: 5 to 14 mm | 213LN |
| Disconnectable output cords with IP68 Plug (length 0,80 m) | |
| Output cord with a 3 pole WIELAND Plug | CW3 |
| Accessories | |
| Protective roof | |
| Fixings for columns | |

Principal part numbers

| Lumens | Designation | Part No. | Cons. (W) | Optic | T (K) | L (mm) |
|---|-------------------------------|-----------|-----------|-------|-------|--------|
| Versions for new installations | | | | | | |
| 3700 | CAR100 14H830 POME PS3 SA BRS | 3102 0050 | 33 | | 3000 | 1318 |
| | CAR100 14H840 POME PS3 SA BRS | 3102 0060 | | | 4000 | |
| 5550 | CAR100 16H830 POME PS3 SA BRS | 3102 0090 | 49 | | 3000 | 1850 |
| | CAR100 16H840 POME PS3 SA BRS | 3102 0100 | | | 4000 | |
| Retrofit versions: Like-for-like replacement | | | | | | |
| <i>Equivalent to 1 x 36 W T8</i> | | | | | | |
| 2775 | CAR100 13H830 POME PS3 SA BRS | 3102 0030 | 25 | | 3000 | 1018 |
| | CAR100 13H840 POME PS3 SA BRS | 3102 0040 | | | 4000 | |
| <i>Equivalent to 1 x 58 W T8</i> | | | | | | |
| 4625 | CAR100 15H830 POME PS3 SA BRS | 3102 0070 | 41 | | 3000 | 1618 |
| | CAR100 15H840 POME PS3 SA BRS | 3102 0080 | | | 4000 | |

* Light output of the luminaire

Specifications

| Technical data | |
|------------------------------|---|
| Light source | <ul style="list-style-type: none"> High efficiency LED modules (160 lm/W) 50 000 h L80/B50 at max. operating temperature Replaceable LED modules CRI > 80 |
| Optic | <ul style="list-style-type: none"> Light mixing chamber Satin Diffuser to minimise glare |
| Heat management | Heatsink in aluminium |
| Control Gear | <ul style="list-style-type: none"> Resistant electronic driver, "Industry" rated (non-dimmable) Resistance to voltage surge: 320 V AC, 48 h Supports voltage peaks < 4 kV |
| Power supply | 220-240 V 50/60 Hz |
| Electrical class | Class I |
| Operating temperature | -20 °C to +40 °C |
| Connection | Disconnectable Plug Ø cable 8-10 mm (3 x 1,5 mm ²) |
| Fixing | 2 Stainless Steel fixing straps with Spring Clip |
| Method of Construction | <ul style="list-style-type: none"> Housing in one piece with reinforced imperviousness Patented SLIDE opening system |
| Materials | |
| Housing | Polycarbonate protected by a coextruded layer of PMMA |
| End caps, fixing straps, ... | Stainless Steel 304L |
| Gaskets | EPDM |
| Standards | |
| Imperviousness | IP66, IP68 and IP69K |
| Shock resistance | IK10 |
| Fire resistance | 650 °C |
| Vibration resistance | Meets the severe application requirements of the standard EN 60598-1 (tested according to CEI 60068-2-6) |