

PRODUKTDATENBLATT

PL-CORE AC -2000-830

PrevaLED® Core AC G2 | Light Engines und Module für Strahler, Downlights und Wandleuchten



Anwendungsgebiete

- Spotighting in shops
- Down- and wall lighting in offices, corridors, meeting rooms, workplaces
- Decorative and functional lighting in the hospitality industry
- Accent lighting

Produktvorteile

- Connect directly to 220...240 V AC mains voltage for class 1 luminaires
- No external driver required
- Easy efficiency upgrade from generation 1 modules due to unchanged form factor
- Enables very high degree of freedom in luminaire design
- Allows very compact luminaire designs
- Less complexity in logistics as no external driver or special cables are required
- Enhanced safety thanks to protective cover glass and reversible thermal shutdown
- Easy to integrate due to compatibility with Zhaga book 3 heatsinks and reflectors
- Chip-On-Board technology with great homogeneity, no diffuser required
- 5 year guarantee

Produkteigenschaften



- LED light engine with integrated driver
- Light emitting surface, diameter, mounting holes positioning according to Zhaga Book 3
- Poke-in wire connection (no special connector required)
- Available with luminous flux: 800 lm, 2,000 lm
- System efficacy: up to 109 lm/W
- Color temperature: 2,700 K, 3,000 K or 4,000 K
- Color rendering index R_a : typ. 83
- Maximum housing temperature: 80 °C at t_c point
- Initial color consistency: < 3 SDCM
- Power factor: > 0.95
- LED module is reinforced isolated to mounting surface
- Photobiological safety according to IEC/TR 62778, risk group RG1

TECHNISCHE DATEN

Elektrische Daten

Nennleistung	19,60 W
Bemessungsleistung	19.60 W
Nennspannung	230 V
Eingangsspannungsbereich	220...240 V
Stromart	Wechselstrom (AC)
Nennstrom	90 mA
Netzleistungsfaktor λ	0,99

Photometrische Daten

Nutzbarer Gesamtlichtstrom	2000 lm
Lichtausbeute	102 lm/W
Lichtstrom	2000 lm
Lichtstärke	717 cd
Nennnutzlichtstrom 120°	1770 lm
Farbtemperatur	3000 K
Farbwiedergabeindex Ra	83
Lichtfarbe LED	Weiß
Lichtfarbe (Bezeichnung)	Warm weiß
Standardabweichung des Farbgleichs	≤ 3 sdc
Bemessungsspitzenlichtstärke	717 cd
Lichtstromerhalt am Ende der Nennlebensdauer	0.70

Lichttechnische Daten

Ausstrahlungswinkel	110 °
Bemessungshalbwertswinkel	110.00 °
Startzeit	0.3 s
Aufwärmzeit (60 %)	0.30 s
Durchmesser d. lichtemittierenden Fläche	19,0 mm

LED MODULE INFORMATION

Anzahl LED je Modul	1
---------------------	---

Maße & Gewicht

Einsatzmöglichkeiten

Dimmbar	Nein
---------	------

Zertifikate & Standards

Normen	Gemäß EN 62031 / Gemäß EN 55015 / Gemäß EN 61000-3-2 / Gemäß EN 61000-3-3 / Gemäß EN 61547 / Gemäß EN 62471
Schutzart	IP20
Energieverbrauch	19.60 kWh/1000h
Energieeffizienzklasse	A+

LOGISTISCHE DATEN

Lagertemperaturbereich	-20...85 °C
------------------------	-------------

Daten gemäß der Verordnung zur Energieverbrauchskennzeichnung EU 2019/2015

Ähnliche Farbtemperatur	SINGLE_VALUE
-------------------------	--------------

ZUSÄTZLICHE PRODUKTINFORMATIONEN

- Installation by qualified electrician only.
- Please see the relevant application guides and instructions sheets for more detailed safety and mounting information. Additional information is available on request.
- For safety reasons the LED light engine must not be operated if the housing is damaged.
- The LED engine needs to be built into a luminaire.
- Not released for dimming operation.
- Suitable only for operation with line voltage.
- Conducting paths on the circuit board must not be damaged or destroyed during installation.
- Suitable for luminaires of protection class I, grounding is mandatory to comply with safety standards.
- When used in a luminaire of protection class II compliance with the required safety standards has to be ensured by the luminaire manufacturer.
- This LED module is not recommended to be used in rooms with fast moving parts as the light modulation can cause stroboscopic effects.
- This LED module might interfere with displays and cameras due to modulation.
- The LED module itself and all its components must not be stressed mechanically.
- For optimal cooling a thermal interface material should be applied between LED module and heat sink.
- It is highly recommended to use a thermal interface material (TIM). The TIM needs to enable adequate heat transfer, during installation it has to be taken care not to create air inclusions between surfaces. For this purpose it is recommended to use a heat sink with even and clean surfaces.
- The LED module should be mounted to a heat sink with M3 screws or suitable accessories. Maximum tightening torque for mounting screws need to be observed as excessive force may damage the housing.
- Protect against splashes!
- The module, as manufactured, has no inherent protection against corrosion. It is the user's responsibility to provide suitable protection against corrosive agents, such as moisture, condensation and other harmful elements.
- To avoid mechanical damage, the LED modules have to be attached securely to the intended mounting surface. It is recommended to avoid heavy vibration.
- Do not remove the cover or the safety glass from the LED module. Do not operate a LED module when the safety glass is broken, missing or cracked.

DOWNLOADS

DOWNLOADS



Certificates
PrevaLED Core AC - VDE Certificate (EN/DE)



Declarations of conformity
722129_Declaration of Conformity PL CORE AC G2

VERPACKUNGSMFORMATIONEN

EAN	Verpackungseinheit (Stück pro Einheit)	Abmessungen (Länge x Breite x Höhe)	Bruttogewicht	Volumen
4052899952775	Unverpackt 1		18.60 g	
4052899953963	Versandschachtel 50	370 mm x 380 mm x 88 mm	2178.00 g	12.37 dm ³

Die genannten Produktnummern beschreiben die kleinste bestellbare Mengeneinheit. Eine Versandeinheit kann mehrere Einzelprodukte beinhalten. Als Bestellmenge verwenden Sie bitte das Ein- oder Mehrfache einer Versandeinheit.

Referenzen / Verweise

- Mehr Information zur mehrstufigen Garantie und die gesamten Garantiebedingungen finden Sie im Internet unter www.ledvance.de/systemgarantie

Haftungsausschluss

Änderungen und Irrtümer vorbehalten. Vergewissern Sie sich, dass Sie immer den neuesten Stand verwenden.