

PRODUKTDATENBLATT

BA-S-PL GN D

BackLED S Plus G15 | LED-Module für Leuchtreklame und Backlighting



Anwendungsgebiete

- Signage and illuminated advertising
- Backlighting of small and/or flat channel letters
- Backlighting of single and double-sided light boxes
- Permanent outdoor use in enclosed light boxes or channel letters

Produktvorteile

- Uniform illumination at high LED pitches thanks to Square Lens technology
- Modules are compatible with BackLED mounting profile
- Significantly better application efficiency compared to systems without lenses
- Several options for quick and simple mounting: bolting or snap-in
- Excellent module efficacy
- Very long lifetime
- 5 year guarantee

Produkteigenschaften

- Connected with flexible cables
- Type of protection (modules): IP66



- Color rendering index R_a : > 80
- CE marked and UL listed

TECHNISCHE DATEN

Elektrische Daten

Nennleistung	16,90 W
Bemessungsleistung	16.90 W
Nennleistung pro LED-Modul	0,38 W
Nennspannung	12 V
Eingangsspannungsbereich	12...13 V
Sperrspannung	13 V
Stromart	Gleichspannung (DC)
Nennstrom	2700 mA

Photometrische Daten

Nutzbarer Gesamtlichtstrom	1110 lm
Lichtausbeute	65,7 lm/W
Lichtstrom	1100 lm
Lichtstrom pro Modul-Kette	1110 lm
Lichtfarbe LED	Grün
Nominale dominante Wellenlänge	523 nm

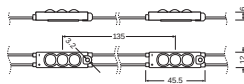
Lichttechnische Daten

Ausstrahlungswinkel	155 °
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LED MODULE INFORMATION

Anzahl LED je Modul	3
Anzahl LED-Module pro Kette	45
Kleinste betriebsfähige LED-Modulanzahl	1

Maße & Gewicht



Länge	44 mm
Breite	12.00 mm

Breite (einschließlich runde Leuchten)	12.00 mm
Höhe	6.00 mm
Länge (einschließlich runde Leuchten)	6.00 mm
Produktgewicht	250,00 g

Temperaturen & Betriebsbedingungen

Umgebungstemperaturbereich	-25...65 °C
Betriebstemperaturbereich	-25...65 °C ¹⁾

¹⁾ Am T_c-Punkt

Zusätzliche Produktdaten

Anmerkung zum Produkt	Perfekt auf OSRAM OPTOTRONIC® LED-Treiber abgestimmte Module (siehe entsprechende Tabelle) / Aktuelle lichttechnische Daten und wichtige Sicherheits-, Installations- und Anwendungsinformationen finden Sie unter http://www.osram.com/led-systems . / Alle technischen Parameter gelten für das ganze Modul. Aufgrund des komplexen Herstellungsprozesses von Leuchtdioden stellen die angegebenen typischen Werte der technischen LED-Parameter nur rein statistische Größen dar, die nicht notwendigerweise den tatsächlichen technischen Parametern jedes einzelnen Produkts, das vom typischen Wert abweichen kann, entsprechen.
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Einsatzmöglichkeiten

Dimmbar	Ja
Dimmbereich	1...100 %

Zertifikate & Standards

Prüfzeichen - Zulassung	CE / UL listed
Normen	Gemäß IEC 62031 / Gemäß IEC 62471 / Gemäß CISPR 15 / Gemäß IEC 61547 / Gemäß EN 60529
Schutzart	IP66
Energieverbrauch	18.60 kWh/1000h
Energieeffizienzklasse	A

LOGISTISCHE DATEN

Lagertemperaturbereich	-25...85 °C
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Daten gemäß der Verordnung zur Energieverbrauchskennzeichnung EU 2019/2015

Ähnliche Farbtemperatur	SINGLE_VALUE
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TECHNISCHE AUSSTATTUNG

- BackLED mounting profile BA-SM-MP
- Several types of OPTOTRONIC 12 V power supplies available

ZUSÄTZLICHE PRODUKTINFORMATIONEN

- Installation of LED modules (with power supplies) needs to be made under consideration of all valid regulations and norms.
- 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.
- Complies with IEC/EN 61547
- Complies with IEC/EN 61000-3-2
- Complies with EN 55015, CISPR 15
- Complies with IEC/EN 61347-1
- Complies with IEC/EN 61347-2-13
- Parallel connection is mandatory for safe electrical operation. Serial connection of LED modules is strongly discouraged. Unbalanced voltage drop in serial connection can cause hazardous overload and damage the LED module.
- Electrical contact is achieved with the contact cables or the terminals of the module. Please refer to the technical data for maximum number of LED modules that can be operated on one control gear.
- In order to operate OSRAM LED modules safely, it is absolutely necessary to operate them with an electronically stabilized power supply that protects against short circuits, overload and overheating.
- In case other power supplies than OSRAM OPTOTRONIC are used, compliance to the necessary operating parameters (voltage, current, power) has to be ensured.
- Pay attention to polarity! Wrong polarity can cause destruction or malfunction of the module.
- Conducting paths on the circuit board must not be damaged or destroyed during installation.
- The LED module itself and all its components must not be stressed mechanically.
- Operation in or under water is prohibited.
- To avoid mechanical damage, the LED modules have to be attached securely to the intended mounting surface. It is recommended to avoid heavy vibration.
- In case that the LED module is equipped with a pre-mounted double-sided adhesive tape, OSRAM assumes no liability and provides no guarantee for a permanent adherence of the modules to the surface. OSRAM recommends fixation of the modules by means of suitable screws.
- Complies with IEC 61347-1 cl. 18.3, cl. 18.4, IEC 60695-2-10, IEC 60695-11-5, IEC 60695-11-10 (classification V-0)
- All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the specified typical values for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.
- Module contains no PVC material.
- To ensure uniform illumination, a reflective matt white surface is generally recommended for all internal frame walls and back panels of light boxes.
- LED modules are dimmable by means of PWM (pulse width modulation). It is recommended using the following OSRAM control gears: OPTOTRONIC OT DIM or OPTOTRONIC 24 V power supplies with integrated 1...10 V dimming interface.
- The module may cause noises during dimming. If a dimming operation is required, it is recommended to check the dimming operation for noises before final installation.








DOWNLOADS

DOWNLOADS



User instruction
730347_User instruction BackLED® L / M /S Plus

DOWNLOADS

	Addon Technical Information Technical application guide BackLED® and BoxLED® portfolio (EN)
	Certificates 647683_MD-DoC BackLED S/M Plus G15
	Declarations of conformity EU Declaration of conformity 3250405
	CAD data 652642_CAD Daten BA-S-PL G15_STEP
	CAD data 652643_CAD Daten BA-S-PL G15_IGS
	CAD data PDF 652653_CAD Daten BA-S-PL G15_pdf
	LDT file (Eulumdat) 655229_BA-S-PL GRN G15_LTD

VERPACKUNGSMFORMATIONEN

EAN	Verpackungseinheit (Stück pro Einheit)	Abmessungen (Länge x Breite x Höhe)	Bruttogewicht	Volumen
4052899300651	Faltschachtel 1	415 mm x 279 mm x 48 mm	609.00 g	5.56 dm ³
4052899300668	Versandschachtel 5	428 mm x 254 mm x 298 mm	4557.00 g	32.40 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.