PRODUCT DATASHEET
BX06SA -W4F-765

BoxLED Side Plus | LED modules for light advertising and backlighting



AREAS OF APPLICATION

- Signage and illuminated advertising
- Illumination of single and double-sided light boxes
- Permanent outdoor use in enclosed light boxes

PRODUCT BENEFITS

- Modules are compatible with the BoxLED mounting profile
- Uniform illumination thanks to optimized elliptical lenses
- Several options for quick and simple mounting: bolting or snap-in
- Excellent module efficacy
- Very long lifetime

PRODUCT FEATURES

- Chain of 32 linear LED modules
- Connected with flexible cables
- Maximum length of one chain: 9.60 m
- Type of protection (modules): IP66
- Special robust encapsulation
- Fully integrated heat sink



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TECHNICAL DATA

Electrical data

Nominal voltage	24.00 V
Nominal wattage per LED module	3.6 W
Rated wattage	115.20 W
Reverse Voltage	25 V
Input voltage range	23…25 V
Type of current	DC

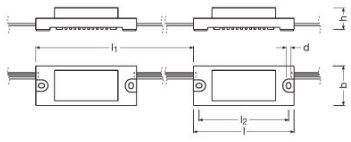
Photometrical data

Rated color temperature	6500 K
Light color (designation)	Daylight
Light color LED	White
Total useful luminous flux	6960 lm
Luminous flux per module chain	9280 lm
Luminous efficacy	81 lm/W
Color temperature	6500 K
Color rendering index Ra	› 70
Luminous flux	9280 lm

LED module information

Number of LEDs per module	6
Number of LED modules per chain	32
Minimum operable number of LED modules	1

Dimensions & weight



Construction length	9600 mm
Product weight	1905.00 g [1)]
Length	9600 mm [2)]

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Width	35.0 mm
Height	20.6 mm

[1] Per chain

[2] Maximum LED pitch 300 mm

Temperatures & operating conditions

Temperature range in operation	-25…95 °C [1]

[1] At the T_c point

Lifespan

Nominal lamp life time	50000 h [1]
Rated lamp life time	50000 h [1]
Lifespan	50000 h

[1] At T_c 95 °C

Capabilities

Dimmable	Yes
Dimming range	5…100 %

Certificates & standards

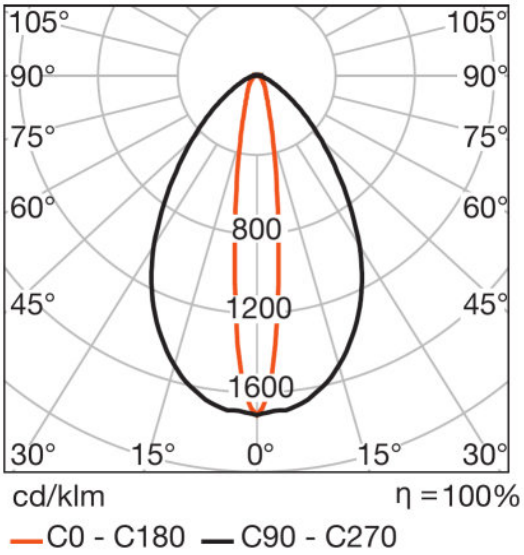
Energy efficiency class	A
Type of protection	IP66
Standards	Acc. to EC 61347-2-13/Acc. to EN 55015/Acc. to IEC 61547/Acc. to IEC 61000-3-2

Logistical data

Temperature range at storage	-25…85 °C

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Light Distribution



LDC typ polar

EQUIPMENT / ACCESSORIES

- Several types of OPTOTRONIC 24 V power supplies available

ADDITIONAL PRODUCT INFORMATION

- 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
- LED modules are dimmable by means of PWM (pulse width modulation). It is recommended using the following OSRAM control gears: OPTOTRONIC OT DIM, OT DALI DIM or OPTOTRONIC 24 V power supplies with integrated 1...10 V dimming interface.
- Parallel connection is mandatory for safe electrical operation. Serial connection of LED modules is stronly 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 neccessary operating parameters (voltage, current, power) has to be ensured.

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- 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)
- To ensure uniform illumination, a reflective matt white surface is generally recommended for all internal frame walls and back panels of light boxes.

DOWNLOAD DATA

	File
	Declarations of conformity 485792_EC-DoC BoxLED Side Plus
	Declarations of conformity 485816_Man-DoC BoxLED Side Plus
	Declarations of conformity 345160_CE - Declaration of Conformity BoxLED Side Plus + BoxLED Back Plus
	Installation guide 342045_BoxLED Side Plus
	CAD data PDF 607400_BoxLED Side Plus CAD PDF
	Eulumdat 340939_BOXLED SIDE PLUS – BX06SA-W4F-765
	Eulumdat 341717_BoxLED SIDE PLUS - BX06SA-W4F-765 (.IES)

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321828606	BX06SA -W4F-765	Shipping carton box 1	485 mm x 398 mm x 52 mm	10.04 dm^3	2265.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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