



Operating Instructions Pedestrian Crosswalk Luminaire

LED City Luminaire E Model 362, 364 and LEDCity Luminaire PaLeStra® Model 881, 883 as Pedestrian Crosswalk (FÜ)

(Please, read carefully before starting operation)

Version: 16.01.2017

Technical Specifications:

Rated voltage	230 Volt AC
Rated amperage	Max. 0.3 A
Power supply	Interference suppressed acc. to DIN EN 61000-6-3/-4, EN 55011, EN 55022 Cl. B, power factor corrected
Power factor BöSha LED driver	Cos φ = 0.96 at nominal load
Type of protection	Class II acc. to VDE 0140 (DIN EN 61140)
Safety extra-low voltage (SELV)	Acc. to EN 61347-2-13
Degree of enclosure protection	IP 65
System performance	See below
Manufactured according to	VDE 0710/0711
Wired ready for operation acc. to	EN 60598
Ambient temperature	Model 362, 364: from - 40 °C to + 30 °C for > 100,000 hrs Model 881, 883: from - 40 °C to + 40 °C for > 100,000 hrs
Recommended mounting height	5.0 – 10.0 m
Maximum mounting height	10.0 m
Torque for pole mounting	25 Nm
Standard connector	Free conductor ends or screw terminals

Type	362-FÜ	364-FÜ	881-FÜ	883-FÜ
Weight	8.2 kg	8.2 kg	7.8 kg	5.5 kg
Dimensions (mm)	506 x 298 x 162	506 x 298 x 162	1,100 x 240 x 90	560 x 240 x 90
Wind-exposed area	0.09 m ²	0.09 m ²	0.09 m ²	0.057 m ²

Starting operation:

Installation has to be carried out by suitably qualified staff only. For damages resulting from improper handling we do not assume any liability.

- Open pole terminal compartment
- Determine voltage free status and secure against re-energizing
- Mount the LED luminaire on the pole; for this purpose insert the connecting cable of the luminaire completely into the pole.
- If necessary, align the luminaire on the pole and fasten the luminaire by means of the fixing screws.
- Connect the supply cable and perform function test.

Technical notice:

For supply connection a mains terminal according to EN 60598 has to be used.

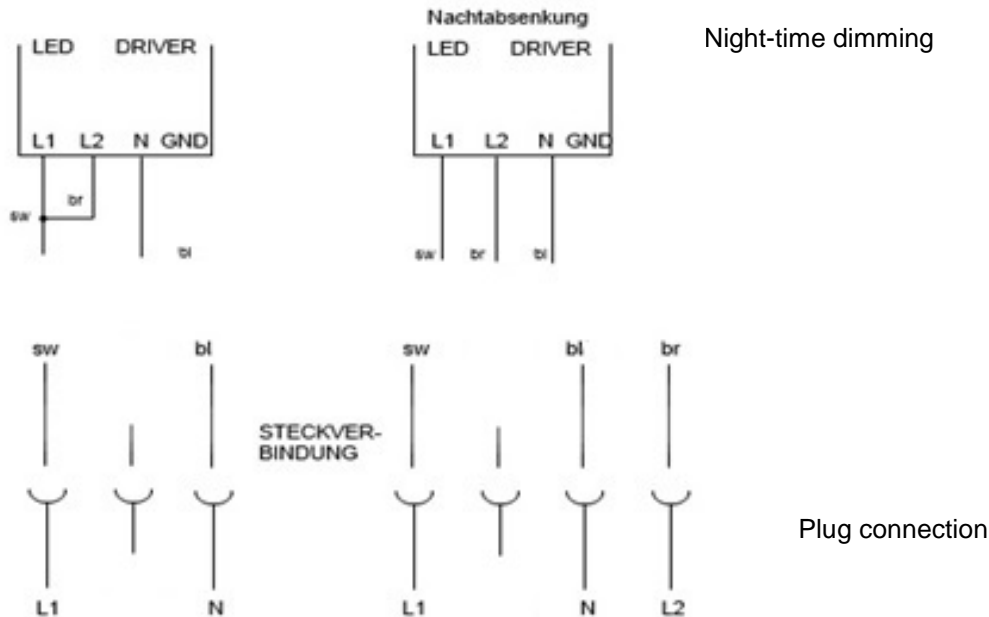
Number of clamping points: 3

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Managing Director: Brigitte Shahrokshahi-Böning

Installation and connection:

Normally, the luminaires are mounted on a pole; for this purpose, depending on the type of luminaire, 1 - 3 hexagon socket head cap screws have to be fastened.

Due to the pre-assembled cable opening of the luminaire is **not** necessary.



The connecting cable has to be connected according to the circuit diagram.

Transport and storage:

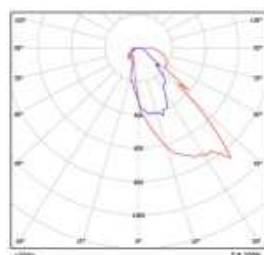
Store the luminaires in a dry, dust-free environment. In the event of improper storage any warranty claims will not be accepted.

The LED light sources must not be exchanged by the user – only by the manufacturer. If exchange of the LED modules should become necessary the luminaire has to be returned to the manufacturer (BöSha).

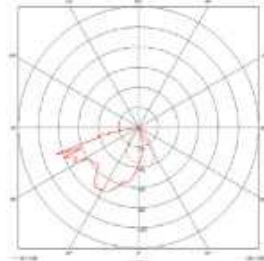
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This luminaire has been developed according to the directives for installations and equipment of pedestrian crosswalks and, therefore, meets all requirements to ensure the safety at pedestrian crosswalks. A special asymmetrical reflector technology in connection with a cover, satined on one side, makes sure that pedestrians are visible as clearly as possible and, at the same time, the glare for car drivers is minimized. With its special optics the pedestrian crosswalk luminaire complies with all standard requirements and, thus, offers more safety at pedestrian crosswalks.

Pay attention to the quality and efficacy of the product. Having an optimized luminous intensity distribution, the quantity of luminaires can be reduced due to larger luminaire spacing. The luminaires are equipped with highly efficient LED modules – supplying **nominally 120 lm/W** at 5,000 K.



Model E



Model
PaLeStra®



- Enclosure: cast aluminium, powder coated DB 703 (graphite grey), other RAL colours on request
- Illuminant cover: UV stabilised, shockproof PC
- Recommended pole height: 5.0 – 10.0 m
- Multichip-On-Board-LED
- Light distribution: asymmetrical
- Colour temperatures: warm white (3,000 K), neutral white (4,000 K), daylight white (5,000 K)
- Degree of protection: IP 65
- LED module and electronic ballast are separately removable and plug-connected
- Optionally, the luminaires can be equipped with a telemanagement system

Model description and performance variants					
Model	Description	Performance	Weight Luminaire head	Wind load	Effective lumen output (at 5,000 K)
362-Fü	E medium, side-mounted	30W, 42W	8.2 kg	0.09 m ²	2,237 / 3,131
364-Fü	E medium, top-mounted	30W, 42W	8.2 kg	0.09 m ²	2,237 / 3,131
881-Fü	PaLeStra® A FÜ	60W	7.8 kg	0.09 m ²	4,500
883-Fü	PaLeStra® B FÜ	30W	5.5 kg	0.05 m ²	2,250

Subject to technical modifications