

# tellus m Union Square

pureWhite



USER MANUAL



BEDIENUNGSANLEITUNG

## USER MANUAL

# tellus m Union Square

pureWhite

## Safety Instructions



**Devices must be installed by qualified personnel in compliance with all pertaining regulations.**

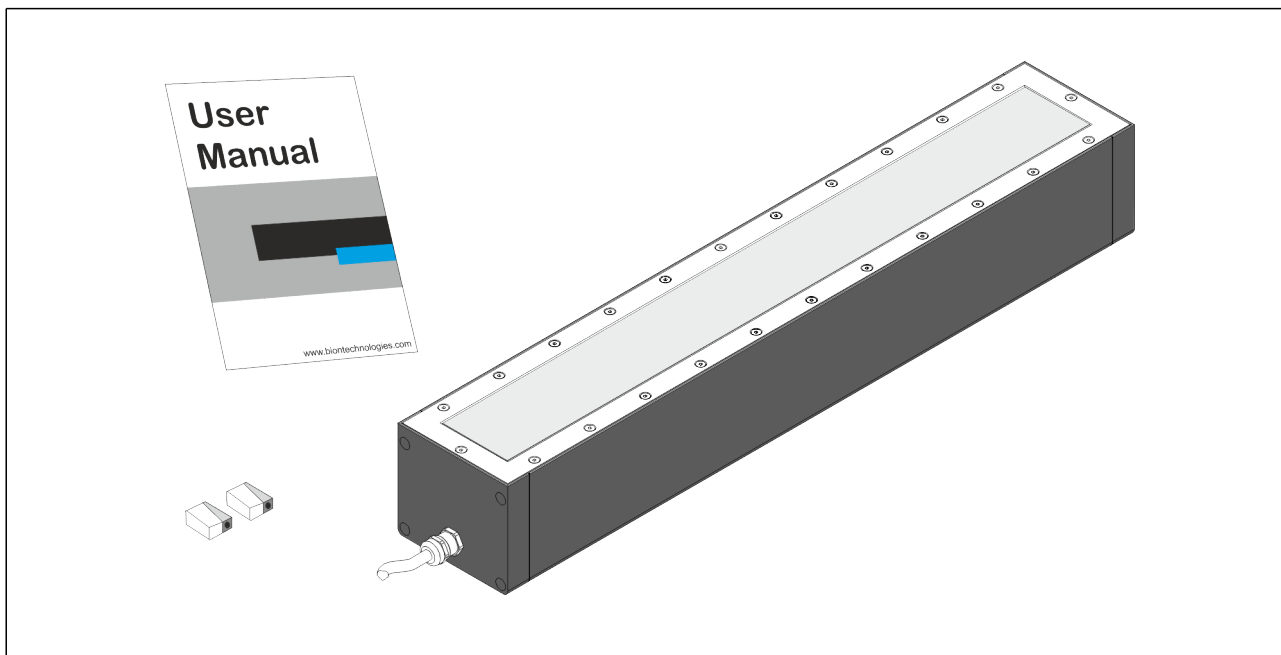
- Always refer to the technical parameters in the data sheet. All items are subject to technical modification.
- Refer to the attached User Manual as a basis for correct use.
- Consult circuit diagram for correct wiring.
- Note! Before attempting any work, make sure device is separated from main power. Protect device from moisture.
- Make sure protection against line voltage shock is provided during installation.
- We recommend securing the installation by RCD circuit breakers.
- Note that adjacent parts or devices must be temperature proof up to 90°C.
- Do not operate the fixture with inductive consumers (fluorescent lamps, gas discharge lamps, ventilators etc.) in the same electric circuit. Activation of inductive consumers can cause damage to the operating device.
- Do not place heat insulation material on the fixture.
- Mind the operating temperatures of the fixture according to the technical data sheet.
- Before drilling the mounting holes, take precautions not to harm or damage any power lines.
- Do not solder cable strands. Use cable strand sleeves instead.
- Note and mind voltage label on the device.
- Make sure flawless electrical connectivity is provided.
- Connecting the lamp to the powered-up device can cause damage to the lamp! (voids product warranty!)
- No modification allowed. No liability will be assumed in case of damage incurred by alteration, improper use or faulty installation.

### **Important Information for the installation of the in-ground luminaire tellus m:**

- The luminaire may not be used in areas where it may be exposed to horizontal forces. Horizontal forces occur for example when braking, accelerating or any change of direction.
- The luminaire has to be installed flush.
- The luminaire, taking into account the maximum specified pressure load (assuming appropriate foundation), can be rolled over of vehicles with pneumatic tires

## Scope of delivery

- Check completeness of supplied device immediately after receipt.



In delivery included:

- 1x User Manual
- 1x Luminaire Bion Technologies tellus m union square
- 2x Lighting Connector (cETLus delivery only)

If you detect any transportation damage or differences between specified packing contents and your unpacked delivery, please contact your dealer immediately.

## Technical Data

Dimensions 115 mm (4.53 in) x 100 mm (3.94 in) [W x H]  
Length: 654 mm (25.75 in)

Fixture Typ



pureWhite

Color Temperatures pureWhite 2700 K

Beam Angles 10°

Luminous Flux 3000 lm

Light Source 8 LED(s)

Antiglare Honeycomb grid, 3mm

LED-Binning



MacAdam Ellipses Binning 3

Dimming Non-dimmable

Input Voltage Power supply: internal | 100 - 240, 277 VAC (50 - 60 Hz) | 127 - 431 VDC

Power Consumption Max. 50 W

Power Factor Correction  $\geq 0.9$

Operating Temperature Range -20 °C / +40 °C  
-4 °F / +104 °F

Lumen Maintenance [L70] 65'000 h @ 25 °C (77 °F)  
40'000 h @ 50 °C (122 °F)

LED-Class Class 2 LED product

Housing Extruded aluminium profile  
Color: black  
Coating: anodized

Frame Stainless steel

Load 250 kg  
551 lbs

Ingress Protection IP67

Environment



outdoor

Certification



# Engineering Drawing

115

100

654

30

Stainless Steel frame  
Tempered Glass  
Honeycomb louver  
Lens + Holder  
PCB tilted  
Strain relief

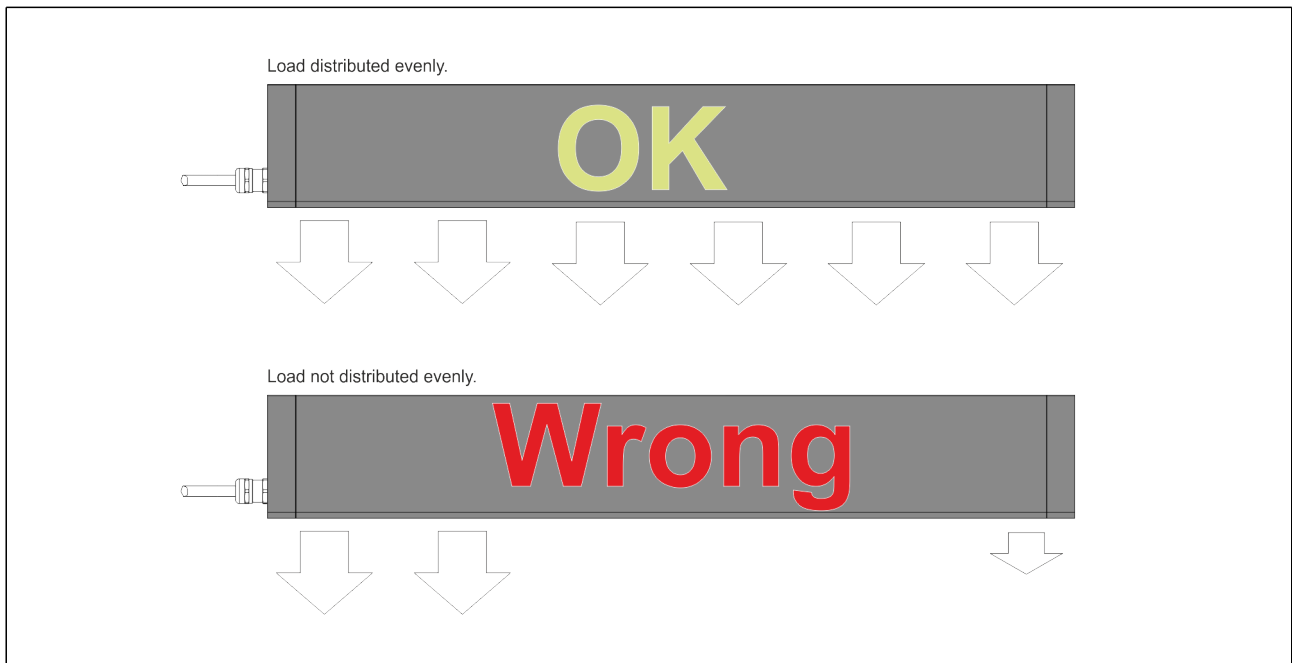
12

APPROVED: [Signature] / [Name]  
DATE: [Date]

Allgemeinwissen DIN ISO 2768 T1 - c		Verfahrensart siehe Zeichnung	Oberfläche siehe Zeichnung	Werkstoff	Maße
		Oberfläche		Behandlung	Anmerkungen
BION TECHNOLOGIES		Volumen		Bezeichnung tellus inground	Material Alu
		Konstrukteur	Datum	Artikelnr. / Reviz.	Blattgröße A3
		Zeichner			Blatt 1/1
Rev.	Revision	Datum	Name		

# Mounting

## 1. Installation



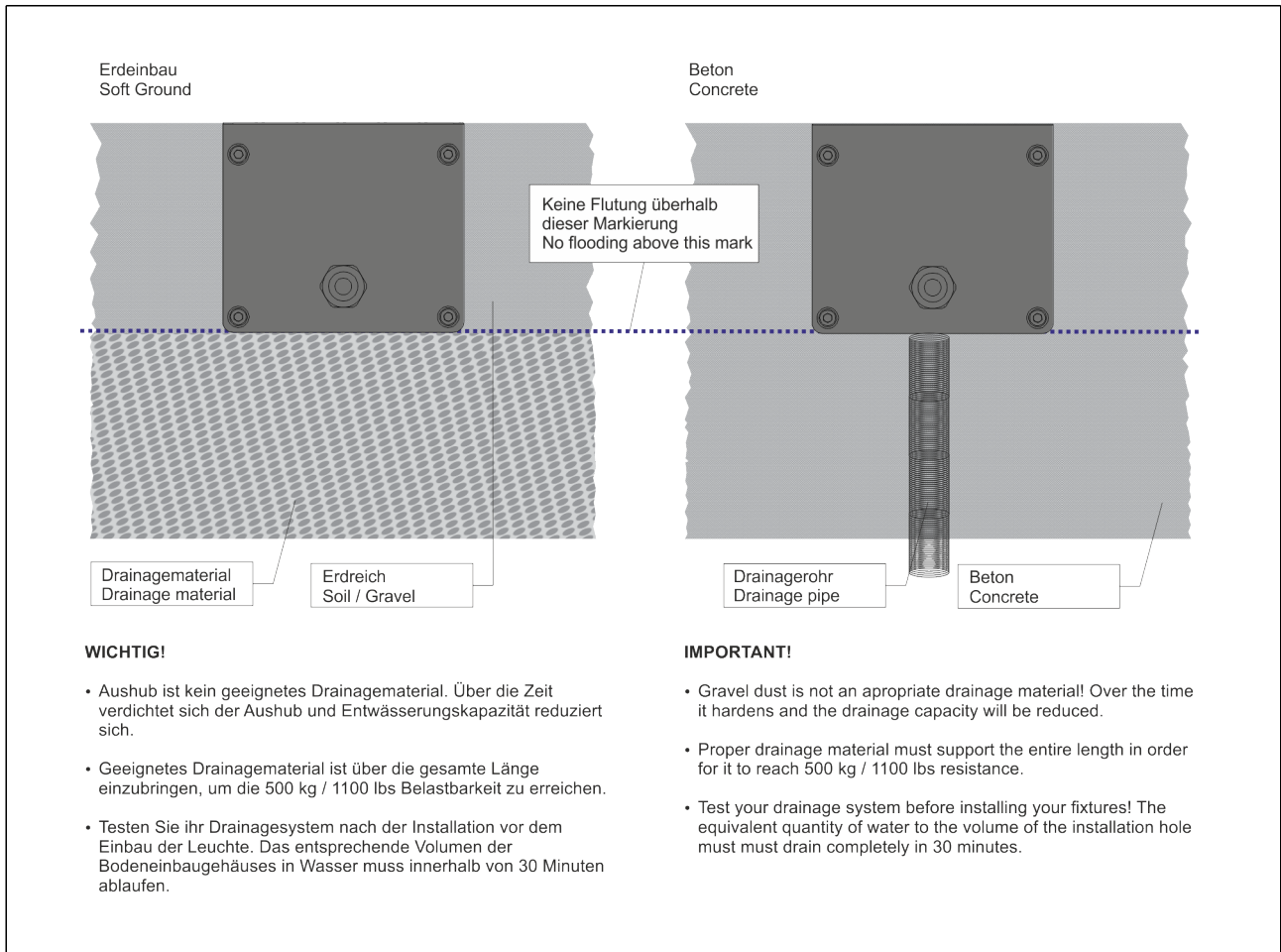
### Foundation

To accept the maximum pressure load a proper foundation must be provided by the customer. The pressure load is transferred to the foundation via the housing. Foundation to be provided at site. The foundation must be carried out on firm subgrade. During preparation of the foundation proper drainage must be provided, so that entering surface water can drain off. The lacquering of the housing must stay undamaged.

### Soil condition

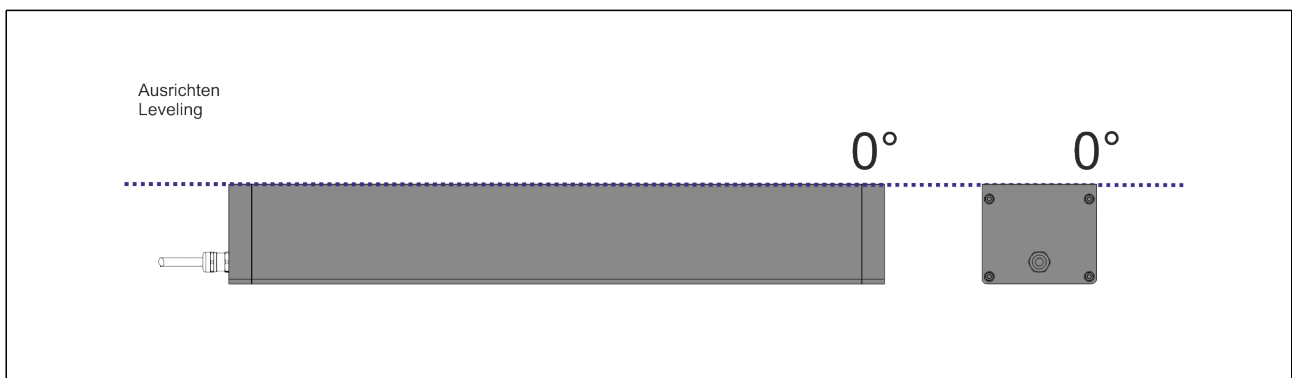
The luminaire must not permanently have contact with aggressive media. Aggressive media might be washed out of the soil and might corrode the housing of the luminaire. In case of an unknown composition of the soil a soil analysis should be made before installation. Aggressive media that is outgoing from the ground surface might also affect the luminaire. Thus an overuse of de-icing agents in the surroundings should be avoided. Parasitic current, occurring from outside, which is conducted by the luminaire into the soil, will cause corrosion damage. Suitable counter measures must be carried out.

## 2. Drainage system



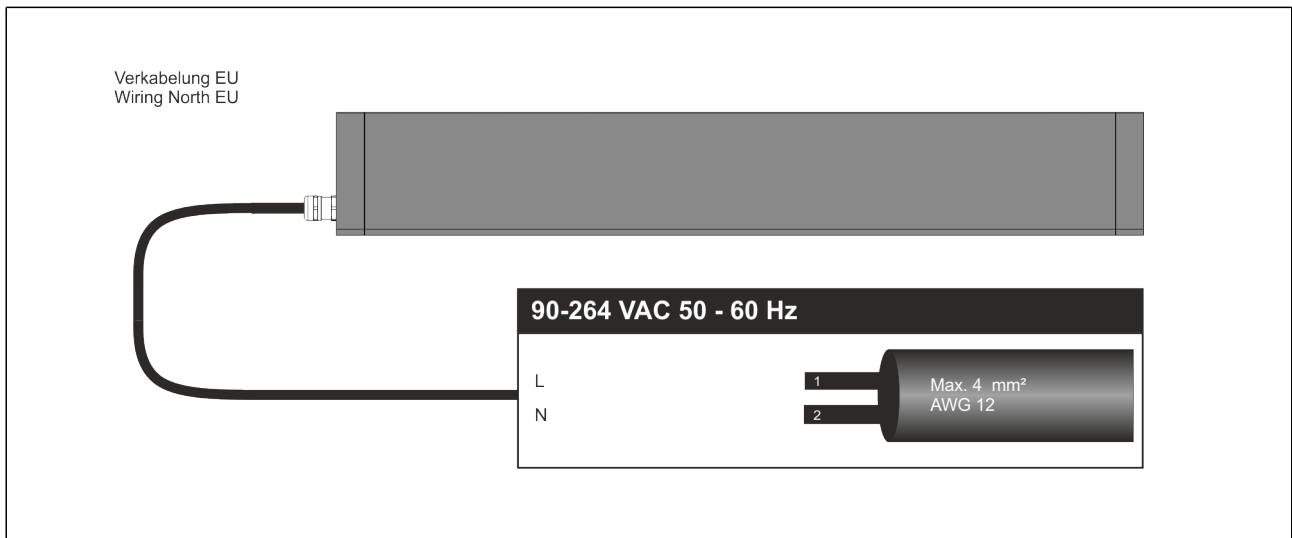
The luminaire must be only be operated with the complete protective cover. The luminaire housing not be installed in heat-insulating material.

## 3. Leveling

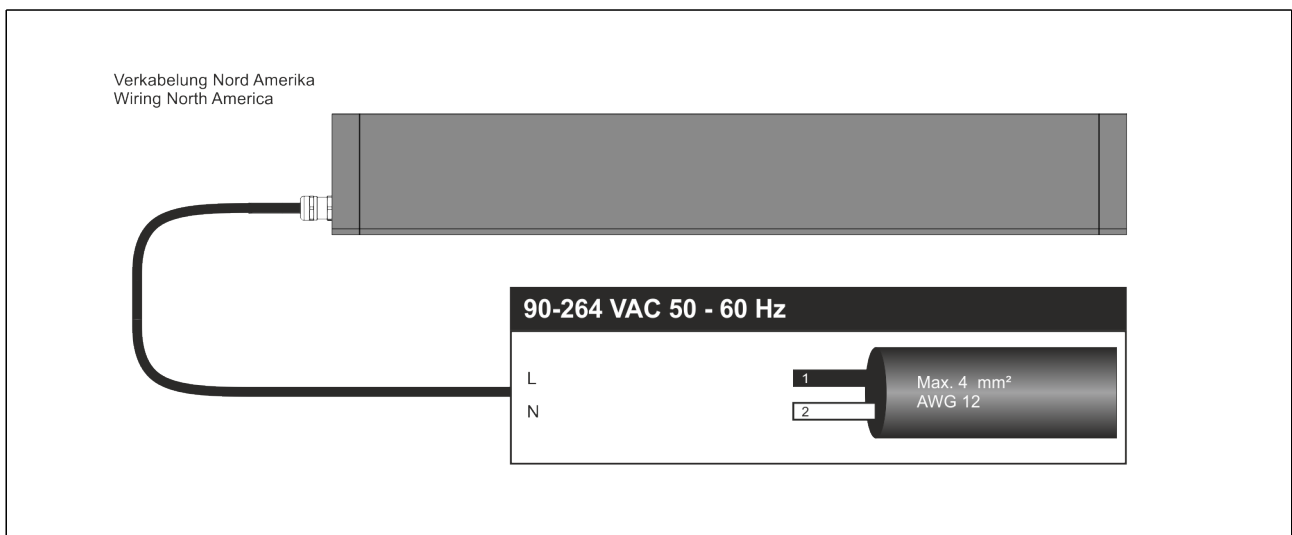


# Commissioning

## 1. Wiring - CE



## 2. Wiring - North America (110 V)



The luminaire connection must be made outside the housing by means of a connection sleeve supplied by others. Connect lead mains supply cable with mains supply cable tightly. Make the mains supply connection at the two marked stands. Strain relief the cable connection. Install the cable only in suitable tubes not directly in the ground.

Please remove the label on surface before operating the fixture.



## Maintenance

Clean device from dirt and residue regularly. Use solvent-free cleaning agents only and do not employ aggressive chemicals or high pressure cleaner. Operate device only after complete drying.

## Conformity



## Manufacturer



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