

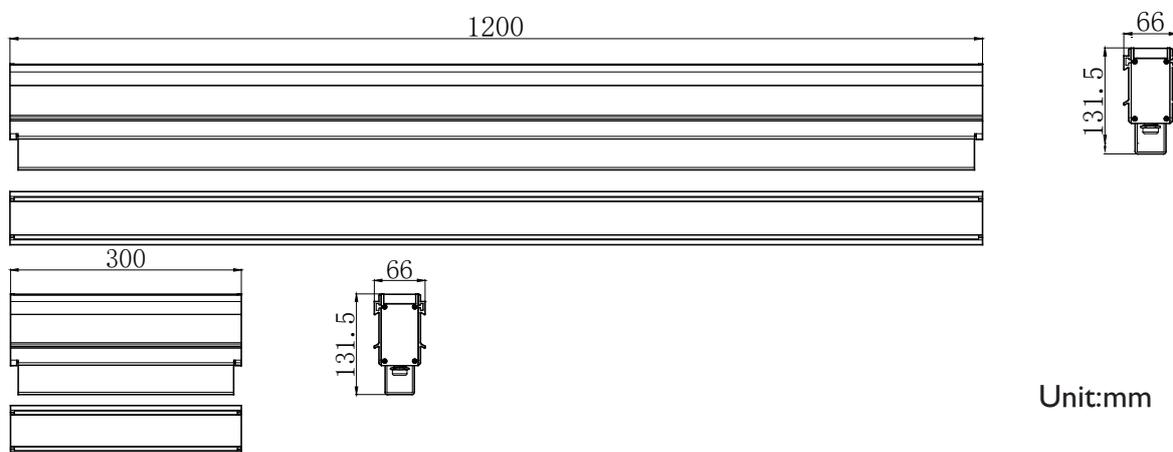
LiteMagicLine in-ground

BBP429 LED

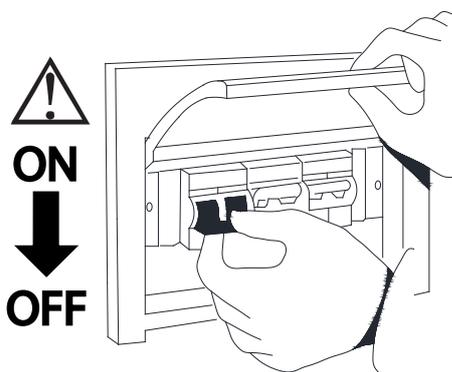
Mounting instructions



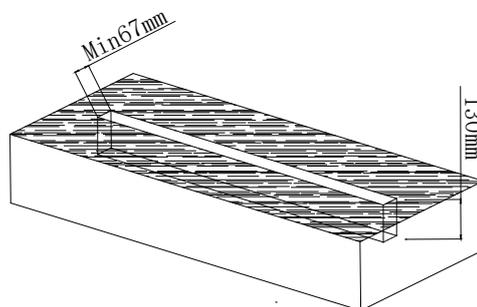
Type number	Control method	kg	LEDs QTY	CCT/color	Typical Power	Voltage	Surge rating	Light Source Energy Efficiency Class
BBP429 L30	ON/OFF	1.5	9	2700K/3000K/4000K	9W	24VDC	0.2KV	F/F/E
BBP429 L30	DMX	1.5	9	2700K/3000K/4000K	9W	24VDC	0.2KV	E/E/E
BBP429 L30	DMX	1.5	12	RGB/RGBWW/RGBNW	9W	24VDC	0.2KV	G/D/C
BBP429 LI20	ON/OFF	5.2	36	2700K/3000K/4000K	36W	24VDC	0.2KV	F/F/F
BBP429 LI20	DMX	5.2	36	2700K/3000K/4000K	36W	24VDC	0.2KV	E/E/E
BBP429 LI20	DMX	5.2	42	RGB	36W	24VDC	0.2KV	G
BBP429 LI20	DMX	5.2	48	RGBWW/RGBNW	36W	24VDC	0.2KV	D/D



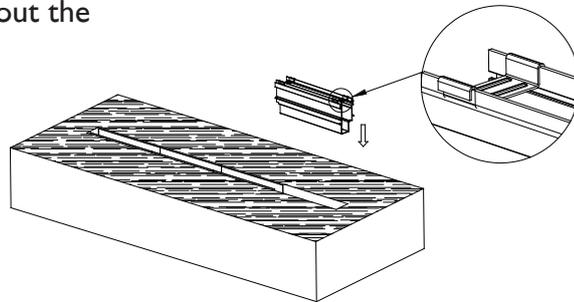
1 Turn off the power and put up the warning signs.



2 Use special tool (prepared by customer) to cut out the pre-embedded groove on the installation surface.



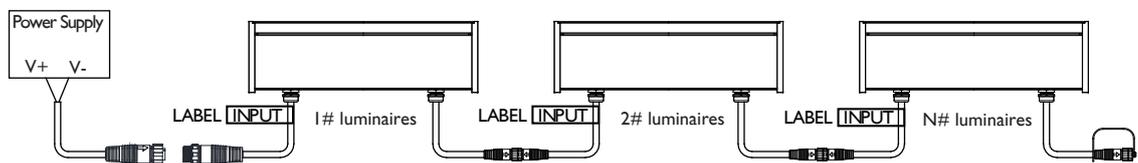
3 Put the carriages on the embedded housing as indicated at below picture before put the embedded housing into the groove , and fill the gap between the embedded housing and groove with the concrete and/or other materials (prepared by the customer) to fix the embedded housing in the ground , take out the carriages after the concrete is dried.



4 Wiring method for On/Off version: Connect the wires according to Diagram 1#. Wiring method for dimming version: Connect the wires according to Diagram 2#. Customer needs to order 2-core cable with waterproof female plug for single led color or 4-core waterproof female plug for DMX lamps.

Diagram 1#

brown	DC 24V +
blue	DC 24V -

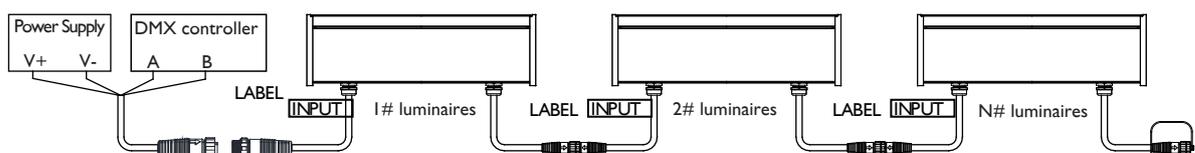


Connected the lead Cable to the power supply according to the corresponding color of the wire, and the other end is connecting the female plug to the male plug of the first lamp. The torque value of the waterproof connector is 2.5NM

⚠ The end cap of the last luminaires can't be open

Diagram 2#

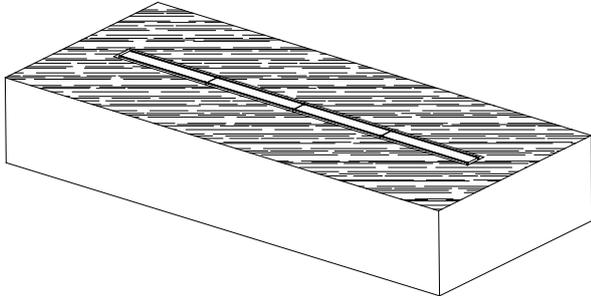
brown	DC 24V +
black	DC 24V -
blue	Data A/DMX+
orange	Data B/DMX-



Connected the lead Cable to the controller according to the corresponding color of the wire, and the other end is connecting the female plug to the male plug of the first lamp. The torque value of the waterproof connector is 2.5NM

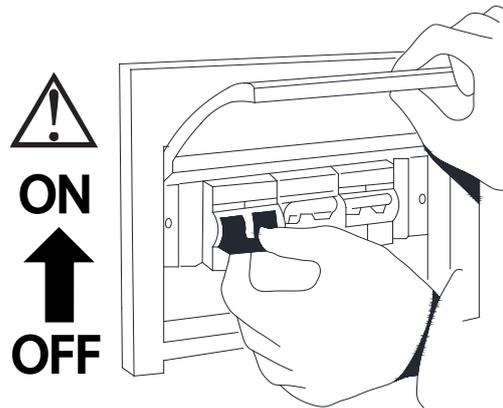
⚠ The end cap of the last luminaires can't be open

5 Connect the luminaires by male & female plugs one by one, then put the luminaires into the embedded housing. Pay attention to the maximum load of the power supply as indicated in the below table.



Max.luminaire quantity for each switch power supply		
Power supply watts	luminaire watts	Max.loaded luminaire
350W	36W	4
	9W	16
240W	36W	4
	9W	16
150W	36W	3
	9W	13

6 After checking the wiring, turn on the power and check if the fixture works properly. If there is any problem, please contact the seller for timely treatment.



1. When multiple lamps are connected to the power bus, the diameter of the bus wire should be considered and the cable used should be acceptable. The current shall be greater than the sum of the rated current of all lamps.
2. When distributing electricity, pay attention to the specifications of the selected leakage protection switch, and take into account the lamp power supply, cable length and moisture environmental factors that will increase the leakage current.
3. Power distribution should take into account the surge of current which air switch can withstand to leave enough margin, it is recommended to start in stages.
4. The waterproof material for installation shall be prepared by customers.
5. Wiring method is dependent on local electrical regulations. Usually, use of screw type lead junction connection wire or screw terminal block.
6. Lamps shall be installed by a qualified electrician and wiring shall be in accordance with IEE electrical standards or national standards.
7. For type Z attachments: the external flexible cable or cord of this luminaire can not be replaced; if the cord is damaged, the luminaire shall be destroyed.
8. Do not energize during wiring, and put a warning board at the power off switch.
9. Rated static load 20KN, rated maximum surface temperature 80°C.
10. No hot plug, no live operation.
11. The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.
12. Lamps and lanterns should be examined and cleaned regularly.
13. For the length of 1.2 m lamp, the maximum number of lamps connected is 4 individually, for the length of 0.3 m lamp, the maximum number of lamps connected is 16 individually. Warning: the last connector for inter-connecting lamp must be kept in a closed condition.
14. For model BBP429 LED BL 24V **** ** **, BBP429 LED RD 24V **** ** **, BBP429 LED GN 24V **** ** **, BBP429 LED AM 24V **** ** **: Where 6184 mm is the distance at which the threshold illuminance either condition occurs.

Disclaimer

1. Please use and install the luminaires correctly according to the protection grade and other precautions marked in the [installation instructions] of the product. The luminaires should not be put into water pressure environment, The manufacturer shall not be liable for the failure of the luminaires protection caused thereby.
2. The manufacturer shall not be liable for any damage, personal injury or loss of property resulting from failure to install or operate the products as required.
3. The manufacturer shall not be liable for any damage, personal injury or other property loss caused by improper use or modification of the product structure.
4. The luminaire should avoid storage and usage in such a surroundings or an occasion that is with corrosion or hazardous gases like sulfide, halide, phthalate and so on.
5. The PC material cannot be used in such a ambience that is with ethylamine, tetra-dichloroethylene, which is corrosion or hazardous to PC material and so on.
6. For periodically cleaning maintenance of luminaire which PC material is exposed to outside, Acid solution or alkali solution cannot be used as a cleaning solution to wash outside surface of luminaire.



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

