BD200.SMIP.SPIKE Curve LED Light
Datasheet

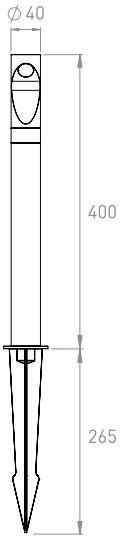


Product Codes

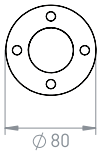
Unit:	Series:	Colour temp. (K):	Beam Angle:	Color:	Input Voltage:	Version:
BD200.SMIP.SPIKE	CR	3K (3000K)	D60 (60°)	B (BLACK)	24V	1.0

Dimensions (mm)

Side view



Top view



Photometrics

CCT Output

CCT: 3000K
Efficacy: 20lm/W
Lumen output: 60lm
CRI: 90
Standard deviationn of colour Matching (SDCM): 6 MacAdam steps

Electrical

Input Voltage:
24V

Power Usage:
3W

Driver power factor:
>0.5

Driver (24V):
PHASE
DALI
0-10V
ZIGBEE
CASAMBI

Dimmable:
Yes

Physical

Gimbal Angle (°):
N/A

IP Rating:
IP65

IK Rating:
IK05

Operational

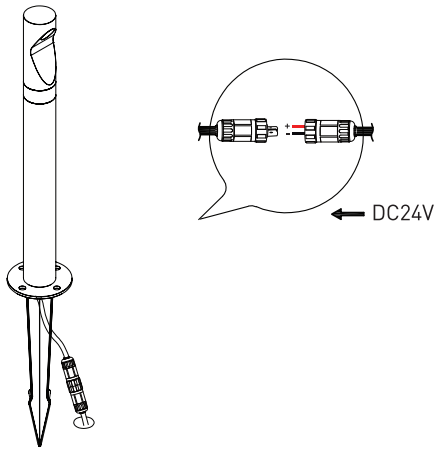
Ambient temp.:
-20 to 40°C

Warranty:
7 Years

Lifetime:
30,000hrs

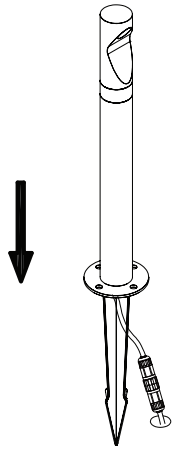
Installation

Installation using Spike



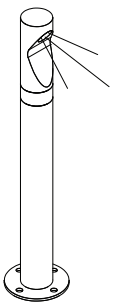
Step 1

Connect the wire using the IP68 in-line terminal. Product must be installed with the attached IP68 Terminal to prevent water seepage.



Step 2

Push the spike into the ground in the location of choice.

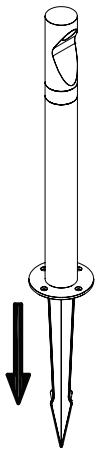


Step 3

Installation complete.

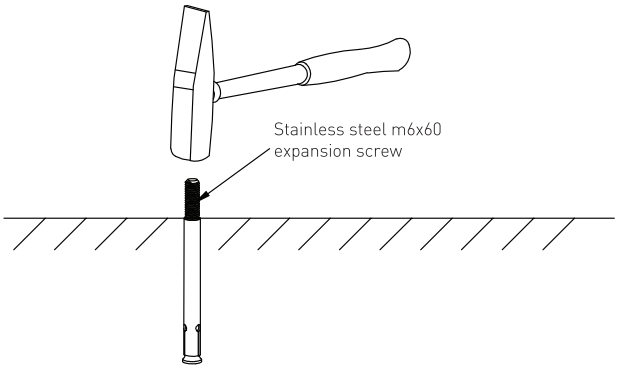
Installation - Surface-Mounted

Surface-mounted Installation



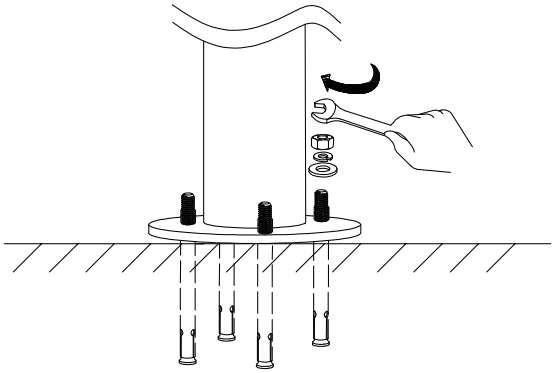
Step 1

Remove the spike from the base.



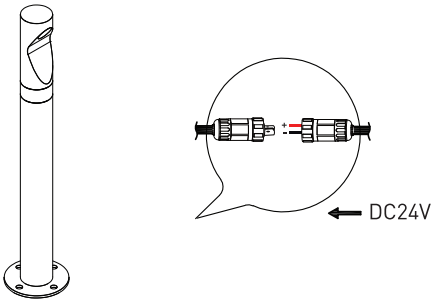
Step 2

Insert the screws into the ground in the location of choice. Use the light's base to mark the location of the screws.



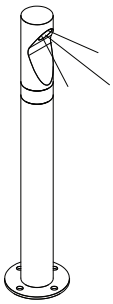
Step 3

Mount the light onto the screws and secure in place with the bolts and washers.



Step 4

Connect the wire using the IP68 in-line terminal. Product must be installed with the attached IP68 Terminal to prevent water seepage



Step 5

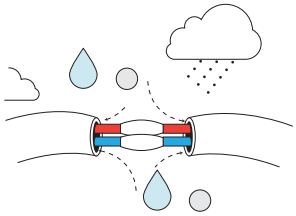
Installation complete.

Installation

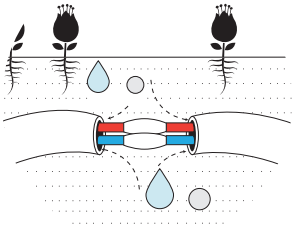
Using The Correct IP-Rated Connector and Proper Installation

Mechanism of water/moisture seepage:

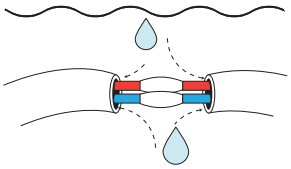
Water/moisture seepage is the top contributor to outdoor light damage. During the outdoor light's operation, temperature changes will occur. This change in temperature will in turn cause pressure changes that leads to "The Siphon Effect." Water vapor seeps into the housing through the wires when the internal pressure is less than the external pressure. Below illustrations show how moisture seeps through the wires.



Exposed open air



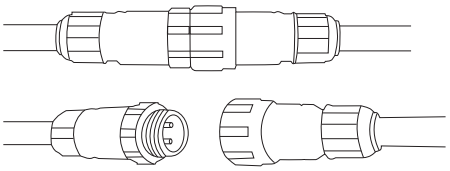
Underground



Underwater

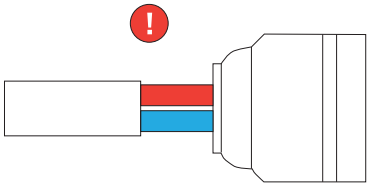
Water Moisture

The simplest and best way to resolve water/moisture seepage is by isolating the wire connections with the use of correct IP-rated connectors.

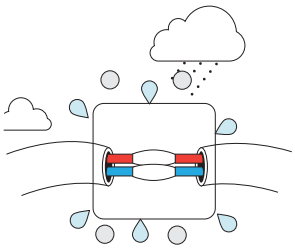


One pair for input and output (quick plug mode)

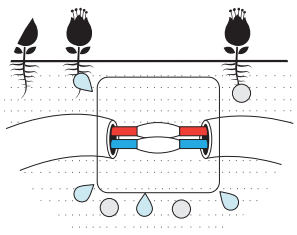
Make sure the wires are protected by the IP-rated connectors and not exposed to external factors. Refer to the image below:



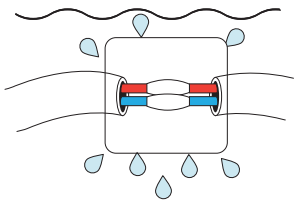
Use of the correct IP-rated connector and proper installation will prevent water/moisture seepage to occur.



Exposed open air



Underground



Underwater

Water Moisture