VividLeds
ILLUMINATING YOUR GREEN FUTURE

TWILIGHT Z1

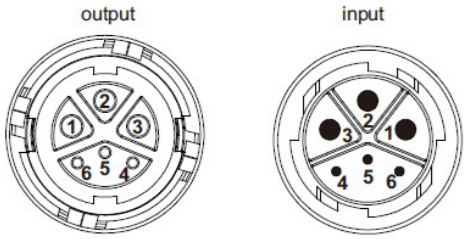
Installation and Operating Instructions

Specification:

- Aluminum alloy housing with 165 degree rotating mounting brackets
- Input Voltage: 100-277 VAC
- Operating Voltage: 24VDC
- Protection Rating: IP66
- Operating temperature: -20 to 40 celsius
- Certifications: CE, RoHS, ETL

Power and Signal Cable Connection:

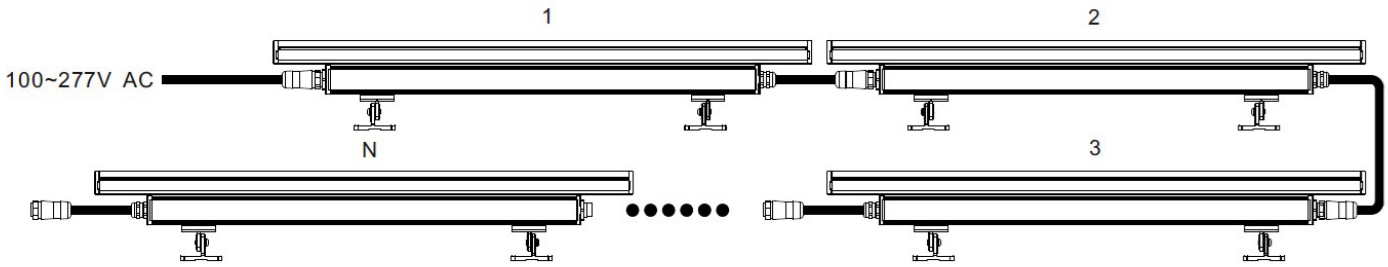
- 3' power leader cable whip is included
- Integrated 1.5' linkable power cable and control cable in and out
- Field installed grounded plug option for the power cable
- Power and control extension cables available



Female connector Male connector

Wire#	Description	Color
1	N	White
2	E	Green
3	L	Black
4	B-	Pink
5	GND	Yellow
6	A+	Purple

Linkable Wiring:



- When connecting the fixture to the controller or connecting the control cables between the fixtures, the male connector on the fixture is the input and the female connector is the output. Make sure the first fixture coming from the controller is attached to the correct input cable.
- 1.5' power cable in and out and 1.5' DMX cable in and out included and permanently assembled to the fixture.
- Proprietary waterproof connectors attached for linking control cable and power cable.
- Assembled signal and power extenders available with waterproof connectors.
- Individual IP68 connectors can be purchased for use with signal and power bulk cable.
- If using DMX option, a DMX terminator should be used to terminate the last fixture.
- Maximum DMX run is 300' or 60 fixtures and signal amplifiers are available for extended runs.
- The power cable is rated at 5 amps. Caution needs to be taken not to overload the linkable connection.
- For outdoor use, it is recommended to heat shrink over all connectors for long life installation.

Control Options:

- Dimming capability by any DMX controller or 0-10V option

DMX Mode:

- A Kontrol Easy DMX Writer must be used to set the DMX address.
- It is best to set the first fixture to 004. If not, the fixture may be confused as a different mode if setting it to 001. The fixture uses three DMX channels. The first fixture should be 004, the next fixture 007, the next 010, and so on.
- If there is no DMX signal present, meaning the DMX cable is not connected, the controller is not connected, or there simply is no DMX signal, the fixture will default to demo mode automatically until a DMX signal is present. For example, if the light fixtures are turned on before the controller, the fixture will first start in demo mode. As soon as a controller is attached, the fixture will go into DMX mode automatically and behave to the setting stored in the controller.
- If all of the steps are followed and the fixture will not go into DMX mode, check all of the cabling for a DMX signal.

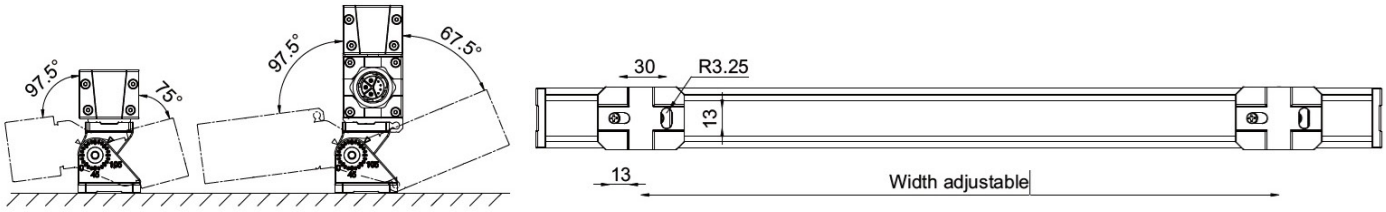
Cautions and Warnings:

- When connnecting the fixture to power, make sure and use the ground connection, to avoid electric shock, due to the metal housing.
- Care should be taken to properly heatshrink any connectors to make sure water doesn't seep into the cables. Not doing so will void the IP66 listing and warranty.
- Do not power on the fixture while it is still in the package.
- Do not use anything that covers the fixture's LED or heatsink during operation.
- Do not use the fixture in an enclosed environment.
- If the fixture appears damaged or is malfunctioning, do not attempt to repair, contact Vivid Leds, Inc. for troubleshooting.
- Check local building and electrical codes before assuming ths product can be used for your project.

Mounting Brackets:

- The angle is adjustable by a screw on the side of the bracket.
- The brackets can be fixed to the surface with M6 or similar tapping screws.
- The fixture will arrive with the brackets installed and cannot be removed from the fixture.

Fix the brackets via M6 tapping screws, mounting size as below:



Angle Adjusting:

The bracket can be rotated 7.5° by one scale line, while low voltage style lamp can be 172.5° and high voltage style one be 165° in all. If the bracket is steady, please use the hexagon wrench to loose screw, then rotate the lamp to appropriate angle and lock it.

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Dimensions, specifications, and product pictures are subject to change without notice.

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