PIXI PRO
USER MANUAL

arctik® PIXI PRO
ARCHITECTURAL TECHNOLOGY AM1441
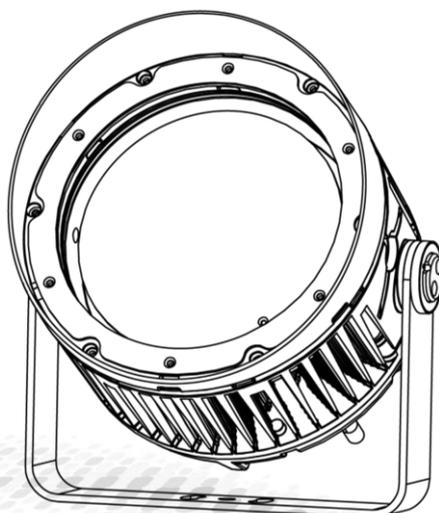
MODEL: AM1441SCT/SWT/SNT/SAT

1 PRODUCT

1.1 TECHNICAL SPECIFICATIONS

Type	AM1441SCT/SWT/SNT/SAT
Power	120W
Voltage Range	AC100~240V,50/60Hz
Protection	IP67
Operation Temperature	-20℃~45℃
Dimensions	284x250x283mm
Weight	8.4kg

DIMENSIONS
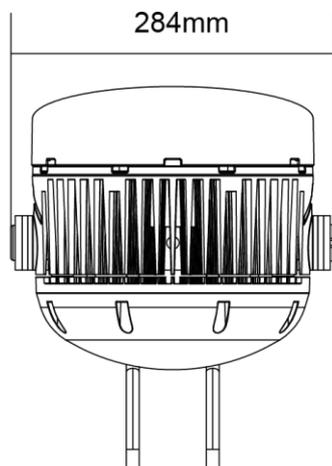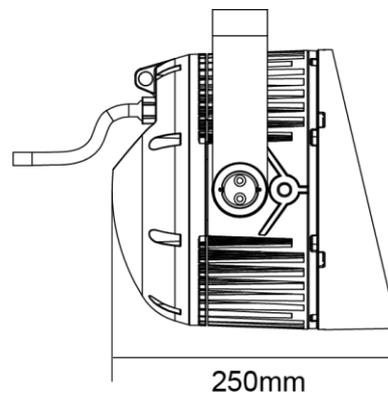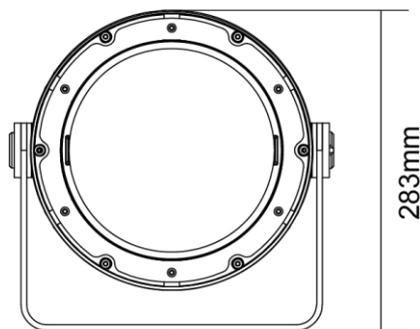
1.2 Safety Notes

IMPORTANT

- This product must be installed by a qualified professional.
- In order to maintain this condition and to ensure safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes
- The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

CAUTION!

- Make sure that the available voltage is not higher than stated on the rear panel.
- Do not touch the power cables if your hands are wet.
- The earth wire must always be connected to the ground. Therefore it is essential to connect the yellow/green conductor to earth.
- Make sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time. The electric connection, repairs and servicing must be carried out by a qualified employee.
- Always disconnect power input cable to completely remove power from unit when not in use or before cleaning or servicing the fixture.
- Do not switch the fixture on and off in short intervals as this would reduce the lamp's life.
- Do not touch the device's housing bare hands during its operation (housing becomes hot)! The surface of the product's casing can reach up to 70° C (158° F) during operation. Avoid contact by persons and materials. Do not install the product in a location where there is a risk of accidental contact. Allow the product to cool for at least 10 minutes before handling.
- For replacement use lamps and fuses of same type and rating only.
- Please protect the fixture and avoid destroy during transport and installation. If there is any damage to the coating, the shell may be corroded.
- When hanging lamps and lanterns, it is necessary to verify that facilities and hooks can bear at least 10 times the weight of lamps and lanterns.
- Fix the safety rope at the correct holes only. Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.
- The maximum ambient temperature 45°C must never be exceeded. Do not operate the product if the ambient temperature (Ta) exceeds 45° C (115° F).
- The minimum ambient temperature (Ta min.): -40° C.
- When the temperature reaches the above upper limit, the fixture regulates output to protect from overheating.

Electrical Warning

- The light source contained in this luminaire shall only be replaced by the manufacurer or his service agent or a similar qualified person

2 INSTALLATION

2.1 MOUNTING

HANGING

◆ You could place the light on the floor. Please make sure the surface is plane and the reliability of the floor is sufficient.
◆ Bolt a rigging clamp securely to the mounting yoke. The bolts used must be M12, grade 8.8 steel minimum, and fastened with a self-locking nut.
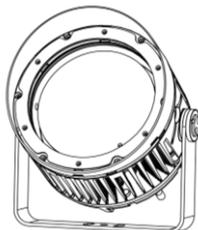

Horizontal layout

2.2 POWER CONNECTIONS

◆ This product has an auto-ranging power supply that can work with an input voltage range of 100–240 VAC, 50/60 Hz.

AC Plug

| Connection	Wire (U.S.	Wire(Europe)	Screw Color
AC Live	Black	Brown	Yellow/Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green
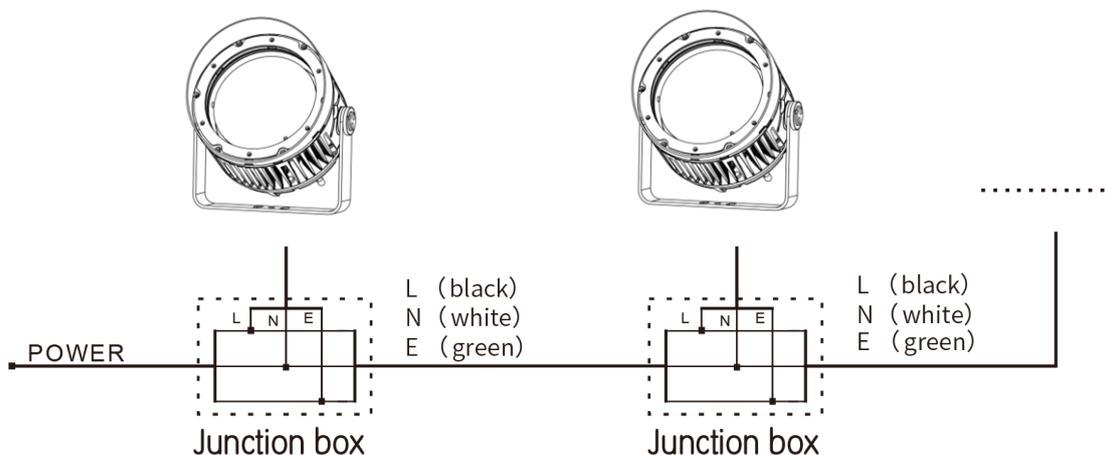
2.3 Data network requirements

◆ Connect the DMX512 controller to the units in series. A DMX 512 data link is required in order to control the fixture via DMX. The fixture has 3/5-pin XLR connectors for DMX data input and output.

◆ Each unit has 13 DMX channels so the DMX Addresses should increase by increments of 1，(Nx1)+1，(Nx2)+1，(Nx3)+1...

◆ Any DMX address in the range from 001 to 512 may be used.

PINS	FUNCTIONS
Pin1（Shield）	GND/0V
Pin2（black）	Data input（-）
Pin3（white）	Data input（+）
Pin4（green）	Data output（-）
Pin5（red）	Data output（+）

Signal IN

Pin 3 | Pin 2 | Pin 1 | Pin 4 | Pin 5

Pin 3 | Pin 2 | Pin 1 | Pin 4 | Pin 5

Signal out

Junction box   Junction box
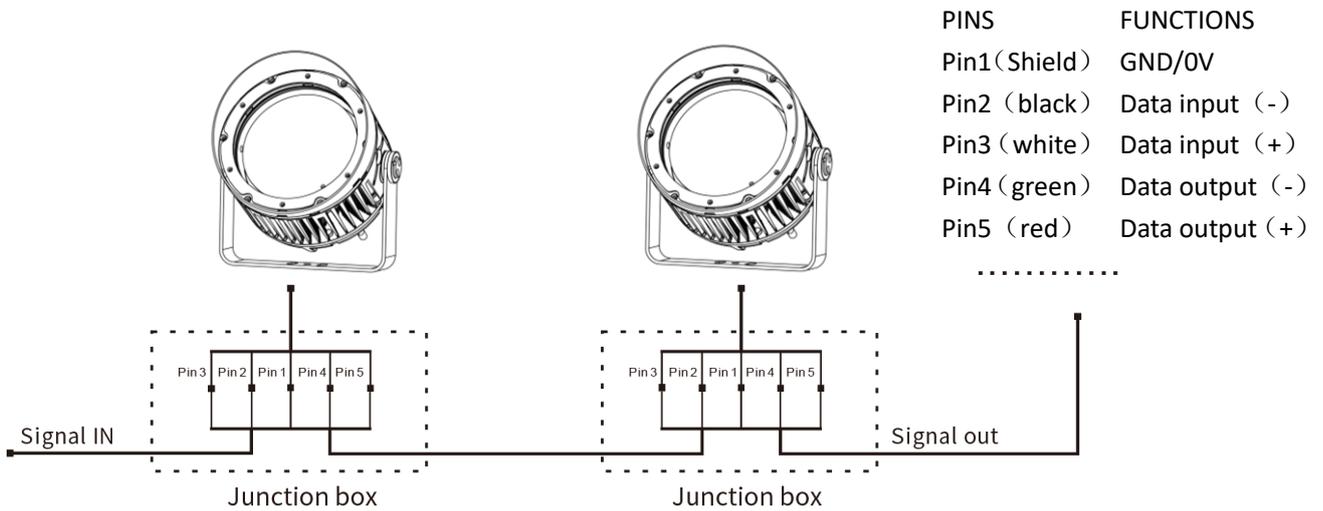
3 USING A DMX512 CONTROLLER

3.1 DMX CONTROL

Note: This product has one DMX512 channel configurations: SOLID

SOLID		
CHANNEL	**VALUE**	**FUNCTION**
1	0-255	ALL LED