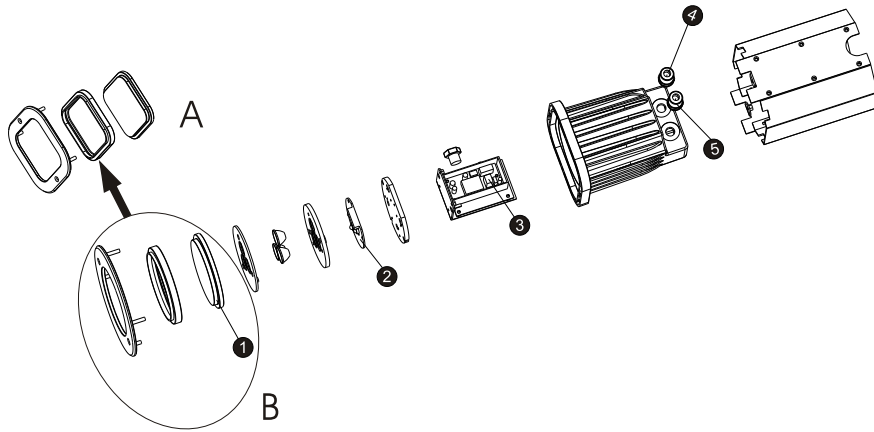


雅江光电 YAJIANG APPLIED TECHNOLOGIES				图纸编号	RD-AP785-SM-00(ARC-I)	版本号	C
AP785SCT/SAT/SWT说明书-英文				编制日期		2019.12.17	
制作	蒋运通	SSP	高文勇	审核		批准	余泽松
文件名及路径							
新物料编号		1320102044					
旧物料编号					成品编号		
通用产品							
备注		修改功率					H

5 APPENDIX
5.1 MAINTENANCE



AP785 has the following 4 options:

(Circular Body, Clear Glass), (Circular Body, Frost Glass),

(Square Body, Clear Glass), (Square Body, Frost Glass)

No	ITEM
1	template glass
2	LED PCB
3	Power switch
4	5 Core Data connection
5	3 Core Power connection

arctik®

TETRA



AP785

USER MANUAL

MODELS:
AP785SCT / AP785SAT / AP785SWT

1 PRODUCT (GENERAL)

1.1 TECHNICAL SPECIFICATIONS

LED MODULE

LED MODULE:	
Voltage	AC100~240V...50/60Hz
Rated Power	12 W
IP	IP67 PROTECTION RATING
Environment Temperature	-20℃~40℃
Dimensions	Circular1: Φ153×177mm Square2: 133×133×177mm
Weight	8Kg

1.2 SAFETY WARNING

IMPORTANT

[ALWAYS READ THE USER MANUAL BEFORE OPERATION.]
[PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE PRODUCT IS THE SAME AS THE MAINS POWER SUPPLY IN YOUR AREA.]

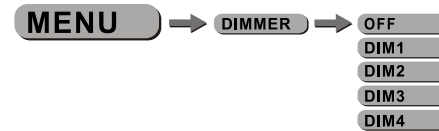
- This product must be installed by a qualified professional.
- Always operate the equipment as described in the user manual.
- A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
- The product must always be placed in a well ventilated area.
- Always make sure that the equipment is installed securely.
- DO NOT stand close to the equipment and stare directly into the LED light source.
- Always disconnect the power supply before attempting maintenance.
- Always make sure that the supporting structure is solid and can support the combined weight of the products.
- The earth wire must always be connected to the ground.
- Do not touch the power cables if your hands are wet.

ATTENTION



- This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.
- Avoid shaking or strong impacts to any part of the equipment.
- Make sure that all parts of the equipment are kept clean and free of dust.
- Always make sure that the power connections are connected correct and secure.
- If there is any malfunction of the equipment, contact your distributor immediately.
- When transferring the product, it is advisable to use the original packaging in which the product left the factory.
- Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.
- The lamp (LED) shall be changed if it has become damaged or thermally deformed.

3.7 DIMMER



- Enter the **[DIMMER]** to select the dimmer work mode, press **[Enter]**
- When Dimmer is set to **[OFF]**, the Dimmer is linear,
- When selecting **[DIM1]**, **[DIM2]**, **[DIM3]** or **[DIM4]**, the Dimmer is nonlinear
- These 4 dimming modes have different soft and smooth dimming effects from fast to slow

3.8 STATIC



- Enter the **[STATIC]** mode to create the programs
- The static setting will be valid when the fixture is powered again

4 CONTROL WITH A DMX512 CONTROLLER

4.1 CHANNEL ASSIGNMENT

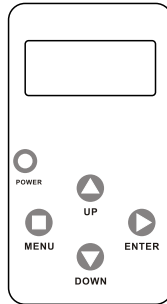
- Note: This product has one DMX512 channel configurations: **[SOLID]** ..

SOLID

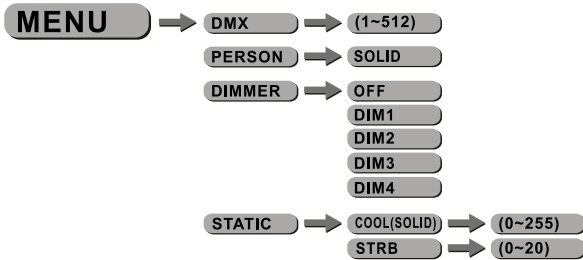
CHANNEL	VALUE	FUNCTION
1	0 ↔ 255	MASTER DIMMER

3.3 BASIC

- 【 POWER 】** Power on
- 【 MENU 】** Scroll through the main menu or exit from the current sub-menu (press and hold to turn off power)
- 【 ENTER 】** Enter the currently selected menu or confirm the current function value
- 【 DOWN 】** Scroll 'DOWN' through the menu list or decrease the value of the current function
- 【 UP 】** Scroll 'UP' through the menu list or increase the value of the current function



3.4 MENU



3.5 DMX ADDRESS



- Enter the **【DMX】** mode to set the DMX address, press **【Enter】**
- On successful setting, the fixtures will display Green and turn off after ten seconds
- If an error occurs when setting, the fixtures will display Red or no response

3.6 PERSONALITY

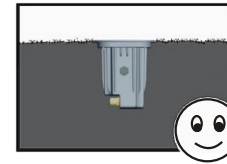
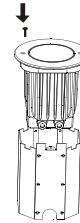


- Enter **【PERSON】** and select **【SOLID】** DMX work mode, press **【Enter】**

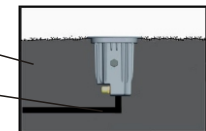
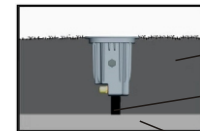
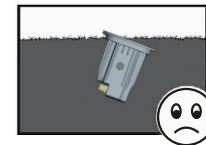
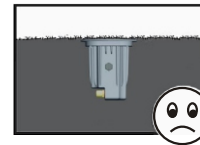
2 INSTALLATION

2.1 MOUNTING

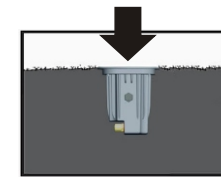
- Embed the outer casing first before installing the fixture.



NOTE: The stainless steel cover should not exceed the ground..

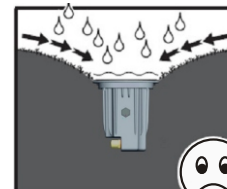
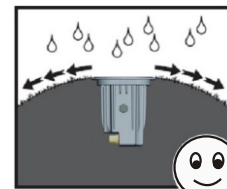


Concrete
Drainpipe
Hardpan



3000kg

The fittings have been designed and tested to withstand a static load of 3000kg (based on the outer casing) for installation exclusively in pedestrian or bicycle areas.



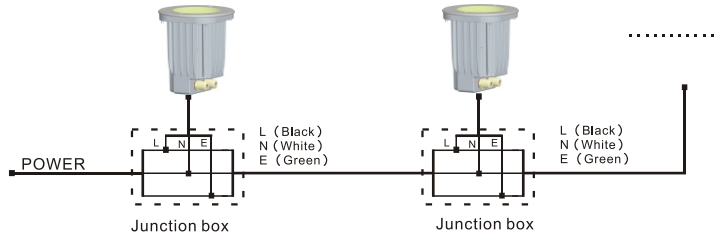
Water resistance and drainage:

The inground fixture has an ingress protection rating of Ip67. This means that fixture can withstand immersion for 30 minutes and low-pressure water jets. However, it is not designed to withstand constant immersion. Immersion will encourage condensation inside the fixture: a valve in the base of the fixture equalizes pressure as the fixture heats up and cools down. The valve allows air into the fixture but prevents the entry of water. If this valve is under water while the fixture cools down, it will not be able to equalize the pressure in the fixture and humidity may be drawn past seals and into the fixture by suction. The following precautions apply:

- The base of the inground must not be submerged in water other than for very short periods. If in doubt about a particular site, consult a geotechnical engineer.
- It must be possible for water from rain, melting snow, flooding or other sources to drain out of the installation well or sleeve at least as fast as it can enter it.

2.2 POWER CONNECTIONS

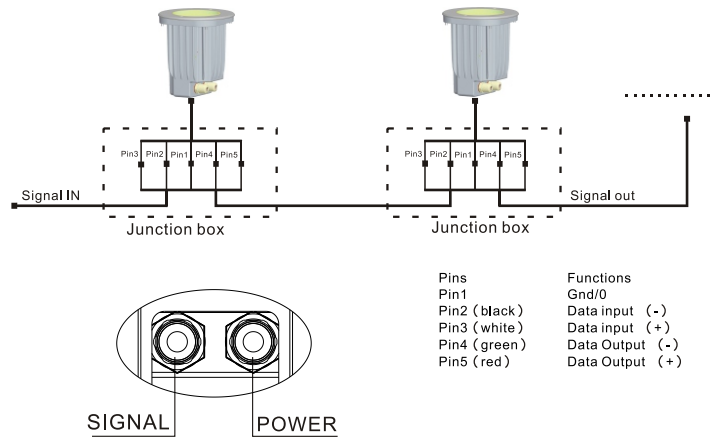
The input wires of this product must tri-core ,as following :



2.3 SIGNAL CONNECTIONS

Pins and Functions:

It is advised for greater stability that if over 20 units to be connected, or the total signal cable length is over 60 meters, a DMX signal amplifier should be used.



◆Nofe:Onls for models with DMX control.

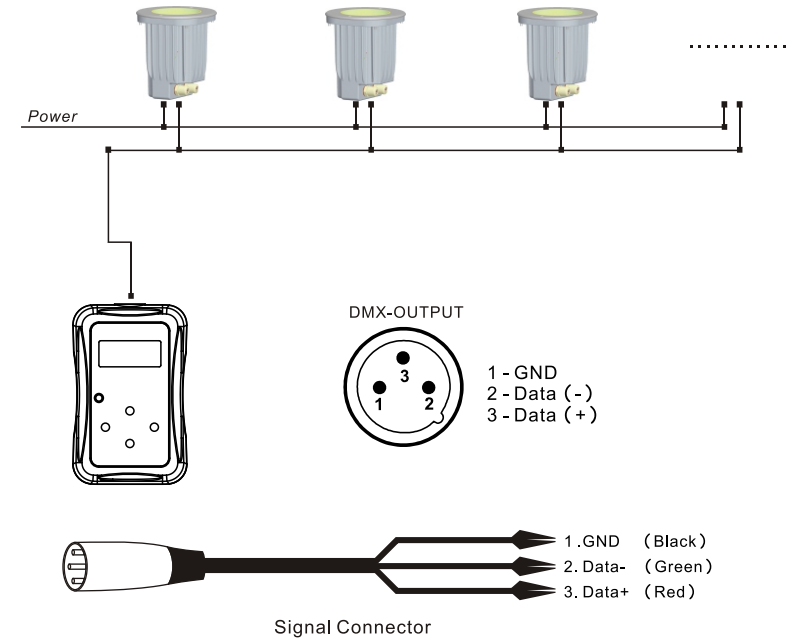
3 USING THE DMX CODER

3.1 TECHNICAL SPECIFICATIONS

LED MODULE:	
Battery	2 x 1.5V DC
Dimensions	110 x 70 x 28mm
Weight	0.2Kg

3.2 SETTING PARAMETERS

- Connect the DMX Coder to the units in series
- Set corresponding DMX address, Personality, Calibration and Dimmer of fixtures through the DMX Coder
- A maximum of 20 units in series can be set by the DMX Coder at the same time
- All connected units will be set with the same information



Note: The DMX Coder will automatically power off after extended periods of being idle (1 minute)