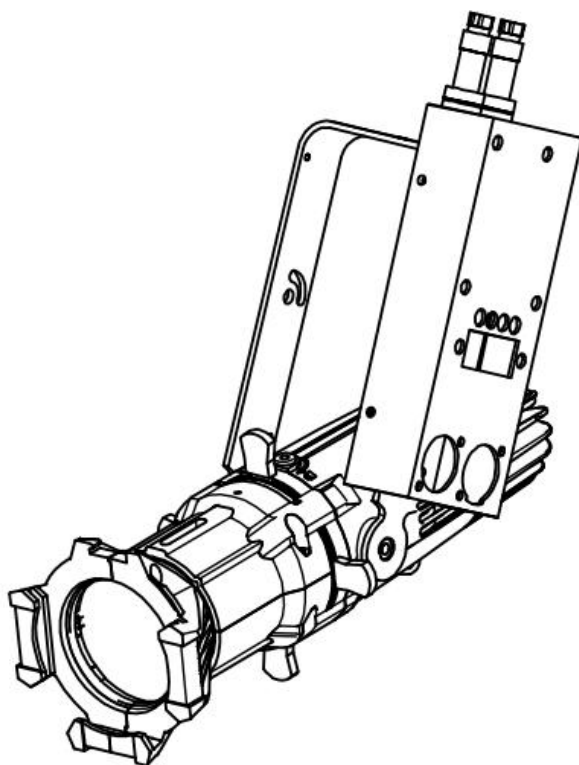


BY-P13 LED Leko Light

20W Led Mini Leko Light with DMX
(Fix Lens 19/26/36/50)



User manual

Please read the instructions carefully before use

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Statement

Small Size With Big Effect,it can give everything you expect,easy to use, excellent optics and clear image projection and a bright, even field.With 20W LED,available in tungsten and daylight color, this mini leko can go anywhere: museums, retail outlets, restaurants, light labs, children's theaters, and other small scale installations where size matters.

1. Technical Specifications

Light Source:

LED POWER: 20W

LED Color: single WW / CW

Color Rendering Index(CRI): $Ra \geq 90$

LED Life Time: over 50,000 hours

Power supply:

Voltage: AC100-240V

Max.power: 20W

Optics:

Fixed Lens: 19°/26°/36°/50°(optional)

Iris: optional

Color Frame: optional

Features:

Focus: Can be adjusted by hand

Light body: Die-casting Aluminum

Body color: Black / White

Feature of housing: Small volume, lightweight

Control:

Control Protocol: DMX

Control System: DMX, Auto run and Master/Slave

DMX Channels: 1/3CH

Working Environment :

Working Temperature: -30~40℃

Cooling System: Fan-less no noise

IP Grade: IP20

Package :

Dimensions: 269.75*122*122mm

Net Weight: 2.0kgs

Gross Weight: 2.5kgs

Packing size: 34*17*15cm (1pc/carton)

54*37*32cm (6pcs/carton)

2. Descriptions

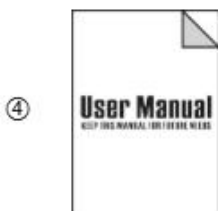
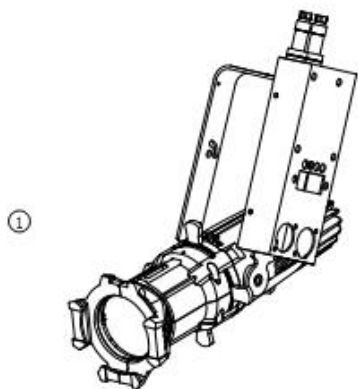
- Ease of use, superior optics, crystal-clear image projection
- High-quality dimming, and even beam field
- available in four field angles: 19°, 26°, 36° and 50°
- With DMX control
- You can choose to have a track-mounted design
- No fan totally silent operation for use in studio and theatre applications
- Using for museums, retail outlets, restaurants, light labs, children's theaters, and other small scale installations where size matters.

3. Unpacking

Thank you for choosing our P13. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

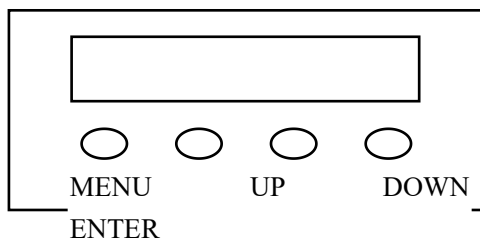
The P13 is made of a new type of high temperature strength of die-casting aluminum with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and link able with each other for operation. And it is applicable for useum, Retail store, Restaurant, Children theater, Gallery.

The P13 adopts 1PCS 20W COB LED (CW Or WW) which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:



① MINI PROFILE 20W CW	1PC
② Signal Cable	1PC
③ Power Cable	1PC
④ User Manual	1PC

4. Menu Operations



➤ Main key

【MENU】 Main menu or back the last menu

【UP】 Choosing data value

【DOWN】 Choosing data value

【ENTER】 Enter, choose the vice menu or end edit.





➤ Combination key



Combination by 2 or more key. Such as “UP+DOWN” Press UP and DOWN at the same time.

Combination key of “UP+DOWN” is different from “UP” or “DOWN”, it have its own function.

➤ Long press

Press the button for long time then leave.

LED show	English word/function	key operation	description
	A dvanced DMX	UP/DOWN key to choose the address code (1~512) ENTER key to save	check “channel data”
	Advance DMX controller state		
	d MX		
	normal DMX controller state		
	SLA ve		
	equal “d001”		
	Above is the slave mode, attention: 1、 Make sure there is only a signal (controller or master light) 2、 The light will be turn off if the signal is cut down. (turn off the controller or master light)		
	Cool white	(0~255)ENTER to choose the led group UP/DOWN to choose the bright of the led group	
	Change color		

	Strobe	UP/DOWN key to choose the speed (1~50) ENTER to save.	
	Strobe		
	Sound		
	Sound model		
	Above is the master state, the light will send the data automatically. (the slave light should set “d001” or “SLAv”)		

Current adjustment

Keyboard current adjustment

Under any main menu item, press and hold the MENU, after about 3 seconds to enter the "keyboard current adjustment" mode, Then can adjust the current . Proceed as follows:

- 1、 First see the "r030". "R" stands for red, so only red will be lit at this time, and the other colors will turn off automatically. "030" represents the current current value, use the UP button or DOWN button to adjust from 0 to 255. **Note that the slow increase, suitable for this: If the current is too large, will lead to lamp beads burned!**
- 2、 After adjusting the red, press the "MENU" key to switch to "G030" began to adjust the green, the same time it will only light green while the other colors will automatically shut down The adjustment of other colors and the like.
- 3、 Press "ENTER" key to save and automatically return to "A001" menu

DMX Current regulation







Through the console (or host) for multiple lights current regulation. The console for example, the following steps:

- 1、 **For reduce the risk of burning lamp. before the completion of step 3, please do not connect the light to the console.**
- 2、 First of all through the "keyboard current adjustment" to adjust the ideal current value in a light and record it.
- 3、 Set the channels 1, 2, and 3 of the console to recorded the current values (to represent red, green, and blue, for example, then set the channel 2 value to 100 for a green current value of 100). **This step must be completed before starting step 4! Otherwise it may be caused by channel value is too large led lamp burning!**
- 4、 After confirming that step 3 is no problem, then connect the light to the console. Press and hold the MENU key and ENTER key at the same time in any main menu. After about 3 seconds, enter "DMX current adjustment" mode. The screen will display "CSdA"(Color Scale dMX Adjustment), and which will flicker if the DMX signal is not received
- 5、 Wait for about 1 second, if "CSdA" is not flicker then it has correctly received the current value passed by the console (also can through lamp brightness to be observed), the adjustment is successful.
- 4、 Press "ENTER" key to save and automatically return to "A001" menu
- 6、 In step 5, the channel value of the console can also be changed to adjust again. Since it is the ideal value that has already been adjusted, generally do not need to adjust again. **If you want to adjust, you must be conscious, careful! If the current is too large, will lead to lamp burned!**

Set Menu

In the “dEMo” menu, long press “ENTER” to set the menu.

Press MENU to change the menu option.

LED show	English Word/function	key operation	Description
	LED waiting time	UP/DOWN choose the waiting time	0 = no screen protect
	Screen protect time		
	High Power	UP/DOWN choose high power or not	On = 100% off = 33.3%
	Power choose		
	dMX-controller delay	UP/DOWN choose use the controller delay or not	
	controller delay		
	Synchronization	UP/DOWN choose use multi-light synchronization or not	
	Multi-light synchronization		
	LoAd	Long press ENTER until it shows “LdEd”(loaded)	
	reset		
	rEt urn	Press ENTER to save the data and back to main menu.	
	Back to function menu		

5.DMX Channels

3 Channels

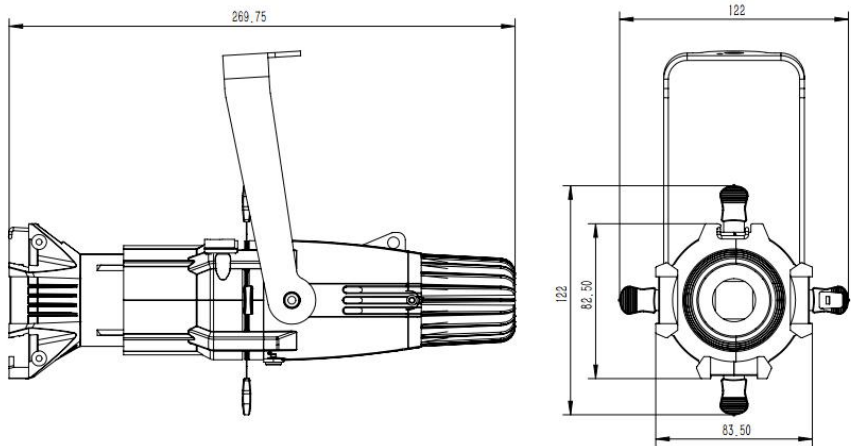
Channel	Data	Function
1	0~255	Dimmer
2	0~5	No function
	6~255	Strobe: 6 is slowest, 255 is fastest
3	0~25	Turn on “delay by controller”
	26~200	Turn off “delay by controller”
	251~255	Sound mode: the changing of the light depends on the MIC of each light

1 Channels

Channel	Data	Function
1	0~255	Dimmer

6. Size

Size of the fixture: 269(D)*122(W)*122(H)mm



Die-casting Aluminum

Imported LED

With 4pcs shutters

Natural Cooling

7. Fixture Cleaning

Before disconnecting the lighter or starting maintenance work, ensure that the power supply of the light is turned off to maintain the maximum brightness output of the light, and it can also prolong its service life. It is recommended to use high-quality professional glass cleaner and to clean it with cloth. Alcohol or chemical solvents are not allowed under any circumstances. The interior of the lamp is vacuum-cleaned at least once a year.

8.Warning

Do not disassemble or modify light fixtures

Do not expose the fixture to water or any other kind of liquids and metals

Do not install the lamp in a hot environment

Do not shoot the light beam on flammable materials. The distance between the light fixture and flammable material should be at least 2 meters.

The distance between the lamp and the surface of the adjacent object should be at least 0.5 meters.

Do not look directly at the beam of the follower lamp, as it may cause eye damage

Before opening the chasing light product or want to repair work, please make sure that the power is off