

COLOR ***Keep*** ***ONE***

USER MANUAL

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SAFETY



WARNING! Before carrying out any operations with the unit, carefully read this instruction manual and keep it with care for future reference. It contains important information about the installation, user and maintenance of the unit.



General instruction

- The products referred to in this manual conform to the European Community Directives and are therefore marked with CE.
- The unit is supplied with hazardous network voltage. Leave serving to skilled personnel only. Never make any modifications on the unit not described in this instruction manual, otherwise you will risk an electric shock.
- Connection must be made to power supply system fitted with efficient earthing (Class I appliance according to standard EN60598-1). It is moreover, recommended to protect the supply lines of the units from indirect contact and/or shorting to earth by using appropriately sized residual current devices.
- The connection to the main network of electric distribution must be carried out by a qualified electrical installer. Check that the main frequency and voltage correspond to those for which the unit is designed as given on the electrical data label.
- This unit is not for home use, only professional applications.
- Never use the fixture under the following conditions:
 - in places subject to vibrations or bumps;
 - in places with a temperature of over 40 °C.
- Make certain that no inflammable liquids, water or metal objects enter the fixture.
- Do not dismantle or modify the fixture.
- All work must always be carried out by qualified technical personnel. Contact the nearest sales point for an inspection or contact the manufacturer directly.
- If the unit is to be put out of operation definitively, take it to a local recycling plant for a disposal which is not harmful to the environment.



Warnings and installation precautions

- This equipment is reserved for professional use. It is not intended for domestic use.
- The unit for indoor use only. To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- If this device will be operated in any way different to the one described in this manual, it may suffer damage and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short circuit, burns, electric shock, etc.
- Always inspect the mechanical and electrical parts of the Color Keep One equipment before fitting to check they are not damaged. Do not operate the product if you see damage. If the part is damaged, it has to be replaced by a qualified technician.
- Don't connect the device to a dimmer pack.
- Before starting any maintenance work or cleaning the fixture, cut off power from the main supply.
- Never attach to product other equipment different Color Keep One accessories.
- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Keep any inflammable materials at a safe distance from the fixture.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power cord from time to time. If the external cable is damaged, it has to be replaced by a qualified technician.

INTRODUCTION

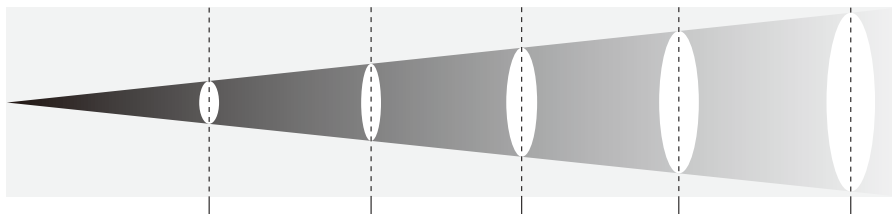
FEATURES

- 100W RGBW 4-in-1 LED
- Ultra-high output of 7000lm, lux output is 4400lux @ 3M(15°)
- Exquisite color rendering, Ra≥92, R9≥92
- Full spectrum with variable white color temperature selection from 1800K~8000K
- Flawless 16-bit dimming and linear adjustment to ensure smooth fades
- Silent operation due to advanced convection heat sink
- Compact body, light weight and quiet operation
- Available optics:15°/25°/45°

SPECIFICATIONS

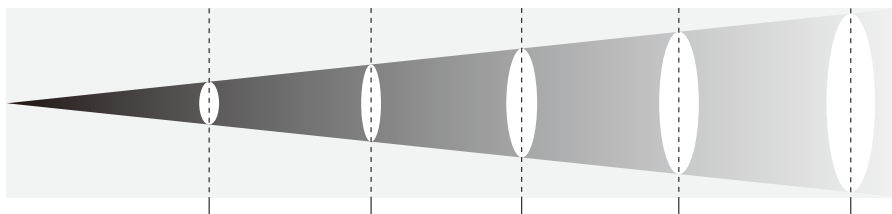
Light Source	100W RGBW 4-in-1 LED
Color Temperature	White LED: 3100K±100K Fixture CCT: 2200K~8000K
Lumen Output	Up to 7000lm
Lux Output	4400lux @ 3M(15°)
CRI	Ra≥92, R9≥92
DUV	0.002
Wavelength	R: 624nm, G: 527nm, B:456nm
TM-30-15rg/rf	104/93
TLCI	90
LED Life	Over 20K hrs
Beam Angle	15°/25°/45°
Field Angle	35°/53°
Pan	120°(manual)
Tilt	116°(manual)
Color Mixing	RGBW
Strobe	0~30Hz
Dimmer	4 dimming curves with 0~100% adjustment
LED Frequency	600Hz/1200Hz/2000Hz/4000Hz/10K Hz/25K Hz
Mains	100~240V AC, 50/60Hz
Consumption	100W@230V
Power Connection	Power In
Power Factor	0.96@230V
Protocol	DMX 512/RDM
DMX Channels	4/8CH
Data Connection	4Pin DMX In/Out, linking up to 32pcs
Housing	Die-cast magnesium with white finish
IP Rating	IP66
Cooling	Convection
Operating Ambient Temp.	-10°C ~45°C
Dimension	251*205*286mm
Weight	5.3KG
Accessories	Louver, 60° diffusion filter

PHOTOMETRICS



15°

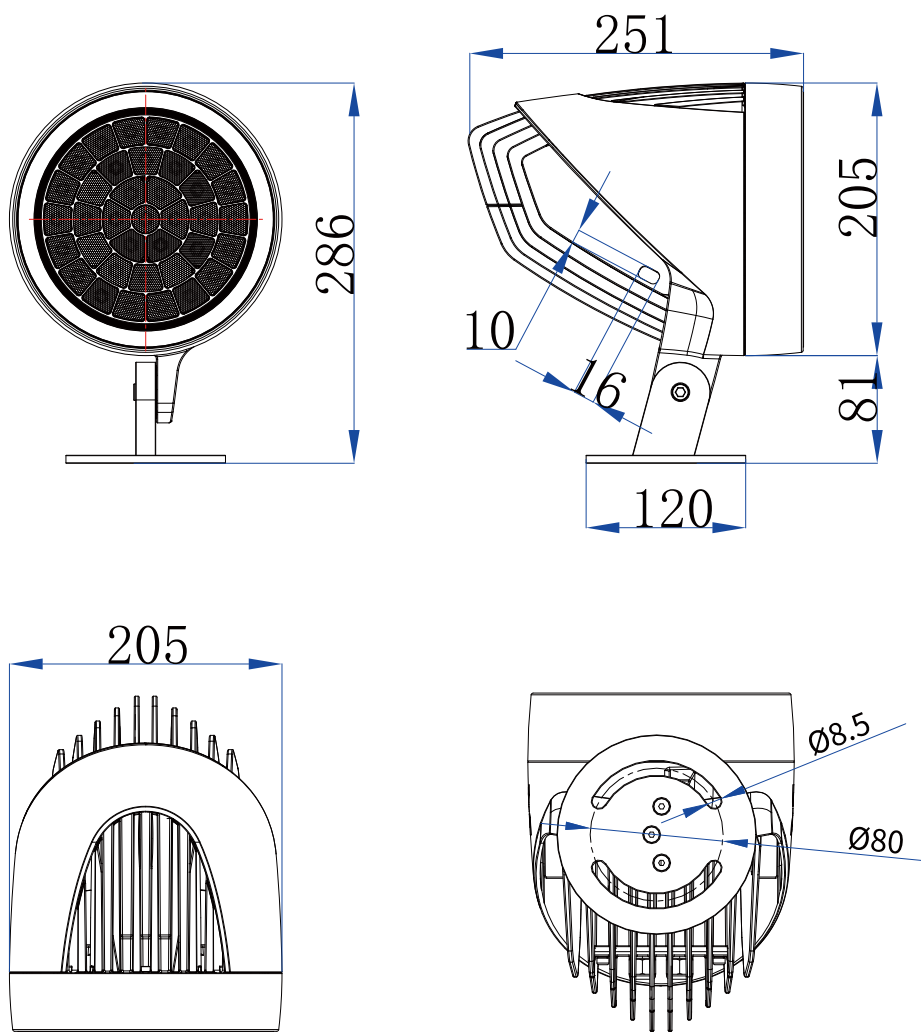
Distance(m)	3	5	10	15	20
Illuminance(lux)	4400	1584	396	176	99
Diameter(m)	0.83	1.39	2.79	4.18	5.58



25°

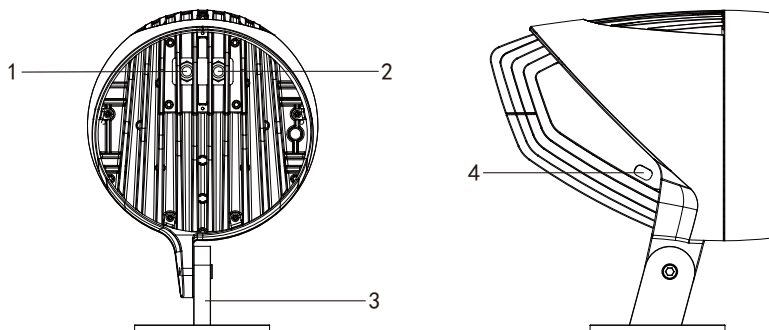
Distance(m)	3	5	10	15	20
Illuminance(lux)	1800	648	162	72	40
Diameter(m)	1.30	2.16	4.33	6.50	8.66

DIMENSION



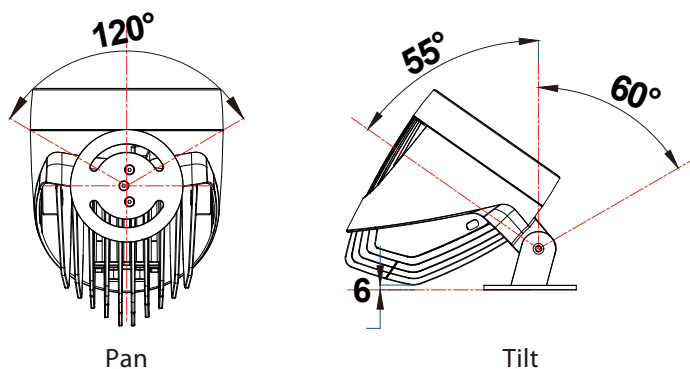
OVERVIEW

FIXTURE ILLUSTRATION

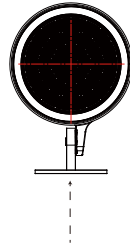


1. Power In
2. 4Pin DMX In/Out
3. Adjustable base for pan/tilt regulation
4. Safety rope adapting hole

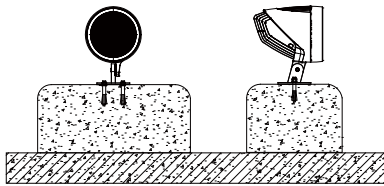
PAN & TILT REGULATION



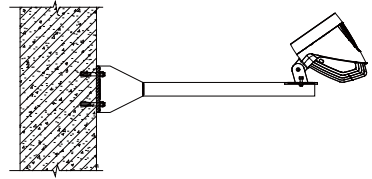
INSTALLATION



Pls use M8 expansion bolt to fix this product



Floor-mounted



Flown-mounted

We recommend the following general guidelines below:

1. Always mount this product in a safe position and make sure there is adequate room for ventilation, configuration and maintenance.
2. Keep any inflammable materials at a safe distance from the fixture, as indicated in the safety notes.
3. Make sure that the device is not exposed to extreme heat, moisture or dust.
4. Make sure that the structure to which you are hanging the modules can support the weight.

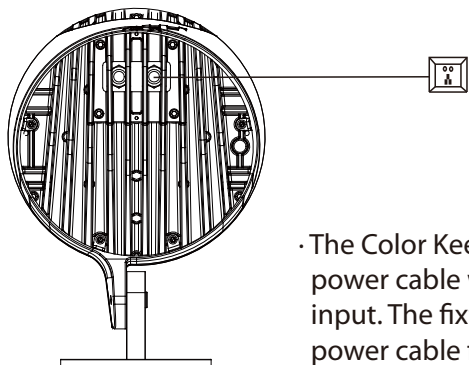
Color Keep One may be set up on a solid and even surface. Pls use M8 expansion bolt to fix the fixture. Safety rope is required for installation security. The mounting place must be sufficient stability and be able to support a weight of 10 times of the unit's weight.

When carrying out any installation, always comply scrupulously with all the regulations (particularly regarding safety) currently in force in the country in which the fixture's being used.

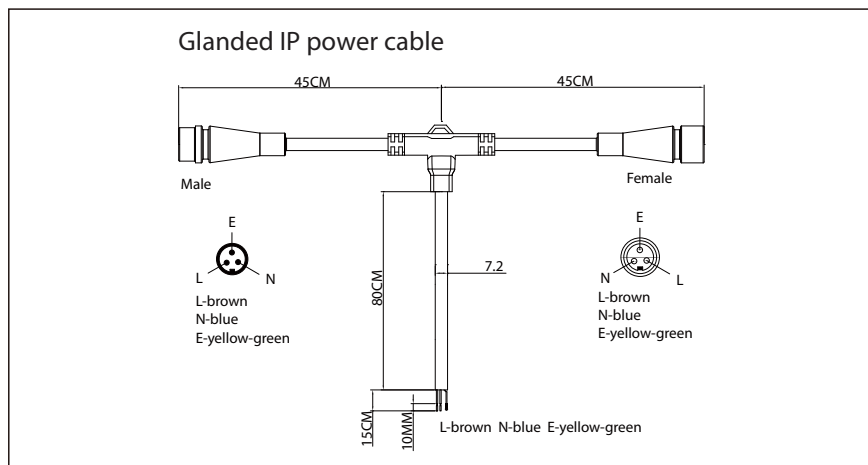
- Install the fixture at a suitable location by means of the mounting bracket
- Always additionally secure the fixture with the safety rope from falling down. For this purpose, fasten the safety rope at a suitable position so that the maximum fall of the fixture will be 20 cm.
- Adjust the fixture and use the knob to slightly release or tighten the locking mechanism of the bracket if is neccessary

CONNECTIONN

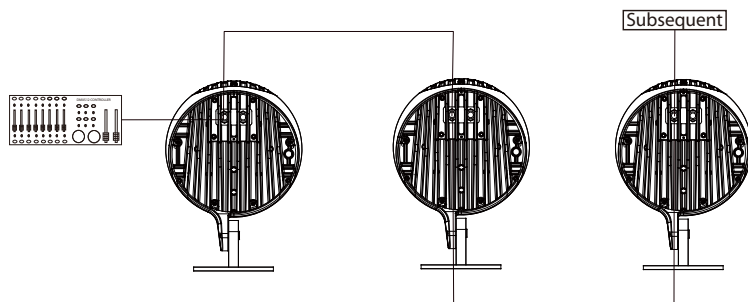
POWER CONNECTION



- The Color Keep One is using a glanded 3*0.75m m² power cable with IP power In connector for power input. The fixture comes with an IP - power plug power cable for connecting the fixture to mains.

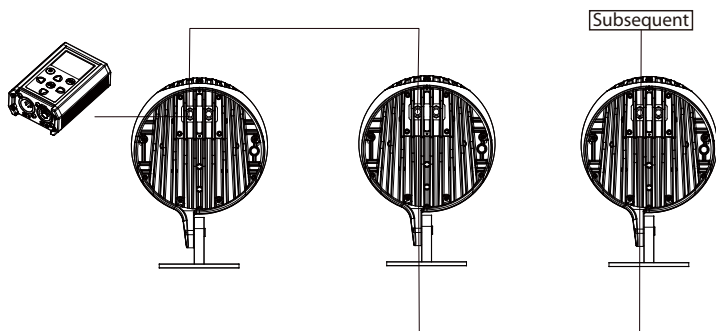


DMX CONTROL

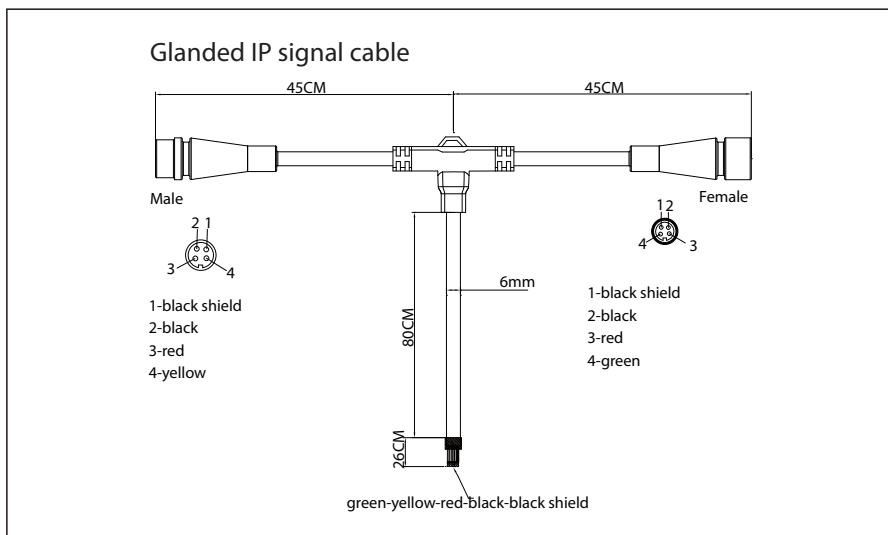


CONNECTIONN

RDM CONTROL

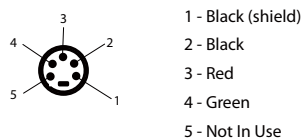
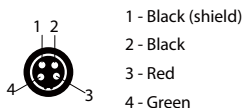
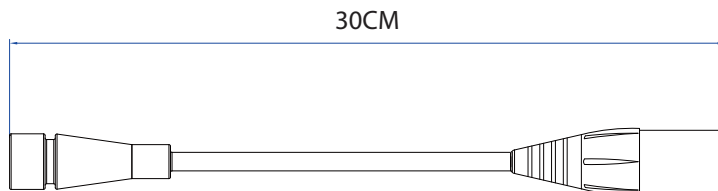


- Color Keep One is using glanded 26AWG data cables with IP DMX In and Out connector for data cabling. The fixture comes with a 5pin XLR - IP female adapting cable. You may use a DMX512 controller or a RDM device to operate the connection network.
- Depending on the length of the DMX cable run, or other factors, it may be advisable to install a terminator at the last fixture in the run.



CONNECTIONN

5pin XLR - IP female adapting cable



EXAMPLE OF DMX ADDRESSING

The below table shows an example of starting addresses for four fixtures assuming a first fixture with starting address of 001.

The actual starting addresses will be determined by the operator as needed to match external controller settings.

Relation between DMX and Address

MODE	ALLOCATION	START ADDRESS 1ST FIXTURE	START ADDRESS 2ND FIXTURE	START ADDRESS 3RD FIXTURE	START ADDRESS 4TH FIXTURE
4CH	001 - 004	001	005	009	013
8CH	001 - 008	001	009	017	025

Follow above method for subsequent fixtures, calculating starting addressed as indicated.

MENU

NO.	MAIN MENU	VALUE	Default
1	DMX Address	1-512	Default: 1
2	DMX Mode	4CH	Default: 4CH
		8CH	
3	Dimmer Mode	Off	Default: Off
		Dimmer 1	
		Dimmer 2	
		Dimmer 3	
4	LED Frequency	600Hz	Default: 25K Hz
		1200Hz	
		2000Hz	
		4000Hz	
		6000Hz	
		25K Hz	
5	Specific PIDS	8200(Red)	White Balance
		8201(Green)	
		8202(Blue)	
		8203(White)	
		82C8(Clear Device Hours)	

DMX CHART

4CH	Function	Value	Precent/Setting	Remark
1	Red	000-255	0-100%	
2	Green	000-255	0-100%	
3	Blue	000-255	0-100%	
4	White	000-255	0-100%	

8CH	Function	Value	Precent/Setting	Remark
1	Red/C	000-255	0-100%	
2	Green/M	000-255	0-100%	
3	Blue/Y	000-255	0-100%	
4	White/No Function	000-255	0-100%	
5	Strobe	000-010	No Function	
		011-140	Strobe from slow to fast	
		141-150	No Function	
		151-250	Random Strobe from slow to fast	
		251-255	No Function	
6	CTO	000-010	No Function	
		011-020	2200K	
		021-030	2300K	
		031-040	2400K	
		041-050	2500K	
		051-060	2600K	
		061-070	2700K	
		071-080	2800K	
		081-090	2900K	
		091-100	3000K	
		101-110	3100K	
		111-120	3200K	
		121-130	3300K	
		131-140	3500K	
		141-150	4000K	
		151-160	4500K	
		161-170	5000K	
		171-180	5700K	
		181-190	6500K	
		191-200	7000K	
		201-210	7500K	
		211-220	8000K	
		221-255	TBD	
7	Dimmer	000-255		
8	Settings	000-010	RGBW Mode	Only in effect when CTO=000-010
		011-020	CMY Mode	Only in effect when CTO=000-010
		021-030	Dimmer Off	Hold 3S to save the setting
		031-040	Dimmer1	Hold 3S to save the setting
		041-050	Dimmer2	Hold 3S to save the setting
		051-060	Dimmer3	Hold 3S to save the setting
		061-255	TBD	

MAINTENANCE

MAINTENANCE AND CLEANING THE UNIT

- Make sure the area below the installation place is free from unwanted person during setup.
- Switch off the unit,unplug the main cable and wait till the unit has cooled down.
- All screws used for installing the device and any of its parts should be tightly fastened and should not be corroded.
- Housings,fixations and installation spots (celling,trusses,suspensions) should be totally free from any deformation.
- The main cables must be in impeccable condition and should be replaced immediately even when a small problem is detected.
- It is recommended to clean the front at regular intervals,from impurities caused by dust,smoke,or other particles to ensure that the ligh is radiated at maximum brightness.For cleaning,disconnect the main plug from the socket.Use a soft,clean cloth moistened with a mild detergent.Then carefully wipe the parts dry. For cleaning other housing parts use only a soft,clean cloth.Never use a liquid,it might penetrate the unit and cause damage to it.

TROUBLESHOOTING

Problems	Possible causes	Checks and remedies
Fixture does not light up	<ul style="list-style-type: none"> • No mains supply • Dimmer fader set to 0 • Faulty LED • Faulty LED board 	<ul style="list-style-type: none"> • Check the power supply voltage • Increase the value of the dimmer channels • Replace the LED board • Replace the LED board
General low light intensity	<ul style="list-style-type: none"> • Dirty lens assembly • Misaligned lens assembly 	<ul style="list-style-type: none"> • Clean the fixture regularly • Install lens assembly properly
Fixture does not power up	<ul style="list-style-type: none"> • No power • Loose or damaged power cord • Faulty internal power supply 	<ul style="list-style-type: none"> • Check for power on power outlet • Check power cord • Replace internal power supply

Contact an authorized service center in case of technical problems or not reported in the above table cannot be resolved by the procedure given in the table.



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