PHEON LUX®

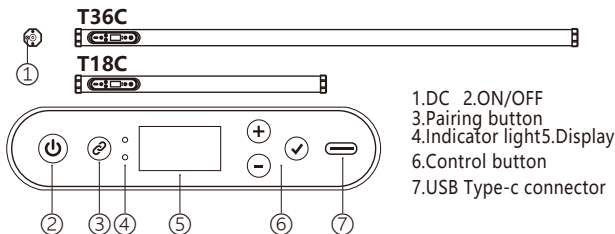## Pixel Tube
T18C / T36C
User Manual

Wechat

Website
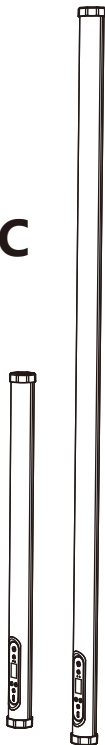
Precautions

-Please read the manual carefully and understand all the contents before using.
-Please keep away from corrosive chemicals and liquids to avoid mechanical damage.
-When not using the product, please cut off the power and put away the power cord.
-Tidy up the power cord when using to avoid tripping and causing power disconnection or product damage.
-Do not disassemble the product by yourself, otherwise the warranty will be void. If the product is faulty, please refer it to an authorized technician for inspection or repair.
-Drop, external impact may cause product failure, man-made damage is not in the scope of our warranty.
-We have the final right to interpret the product. Product design and specifications are subject to change without notice.

Product Characteristics

-G/MBalance: +-100% Calibrate Adjustment; 2,700K-10,00K Variable CCT; 0% –100% Dimming with zero color degradation; 96+ CRI and TLCI.Various Dimming Curves.
-HUE+SAT color mode,Unimaginable 36,000 colors, Add color to the creation. RGBWW (Parametric Dimming)16million colors, closer to the sunlight spectrum. The APP built-in600+electronic colored papers, no need to carry colored papers.Freely change brightness without brightness loss.CCT does not drift for almost all brightness adjustments.
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-Multiple control modes：Control Mode:Single tube control / master-slave / remote control /APP /console/ computer (madrix software).
-Intuitive and easy APP interface design.

Product Details

1.DC 2.ON/OFF
3.Pairing button
4.Indicator light5.Display
6.Control button
7.USB Type-c connector

1.DC：Use the standard adapter for charging.

2.ON/OFF：Long press to turn on or turn off ;

3. Pairing button: Long press to cancel pairing, short press for pairing ;

4.Indicator light: Green means slave (flashing means no DMX signal,always on means with DMX signal), Blue means master, Red means it is charging ;

5.Display: The status of tube ;

6.Control button："+" Up，"-" Down，"√" Confirm or Return;

7.USB Type-C connector：The charging interface DC5V/9V/12V/20V;also the wired DMX signal interface (demand converter) .

Display interface
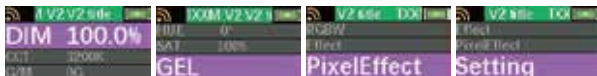
Top left Icon: ① Signal icon: No signal：

With signal：

② Control mode icon： CRMX Classic：   APP：

   2.4G Transmit：   2.4G Receiver：

   DMX512 Transmit：   DMX512 Receiver：

Top Right Icon： ① Fast charging icon：

   ② Slow charging icon (Charge power less than 10W)：

   ③ General power icon：

   ④ Overheat icon（>60℃）： Wait for cooling down before using.

(1) BRI：0-100%，Unit 1%;

(2) CCT: 2,700-10,000K, Unit 100K；   (4) HUE: HUE 0°-359°,Unit 1° ;

(3) G/M：100M-0G-100G，Unit 1 G/M ; (5) SAT：Saturation 0-100%,Unit 1% ;

(6) GEL：Fixed color, brightness adjustment ，1700K-2000K-2700K -3200K-5600K ，Red-Green-Blue-Magenta ;

(7) RGBW：R-G-B-W(6000K)-Y(2700K) ;

(8) Normal effects: Brightness, Speed, Color (Default, Custom, Random, Rainbow), Continue/Pause , Strobe、Paparazzi 、Shortout、Cop car1、Cop car2 、Fire、Rainbow、breathe;

(9) Pixel effects: brightness, speed, color (default, custom, random, rainbow), continue/pause,Rainbow,meteor1, meteor2, meteor3, music1, music2, random, random2, random3, stars, CopCar3, CopCar4, mode2, pile up, pile up2;

(10) Setting：①DMX: DMX address (1-512), pixel group (the tube is divided into

several pixel control),configuration table (1-11) , number of channels (the number of channels occupied by the configuration table) ...... (the meaning of each channel of the configuration table). ②Control mode:OFF, DMX512 Transmit, DMX512 Receive, 2.4G Transmit (Number of Devices, ID, Current Channel) , 2.4G Receive(Status, Domain, Connected to host, ID, Current Channel), CRMX Classic (Status, ID), APP (WIFI, Password, Number of devices, Domain, ID Current Channel).③Number:1,0-255 for APP use; ④Curve: logarithmic, linear, exponential, none; ⑤Language: CN for Chinese, EN for English; ⑥Screen brightness: 0-100%; ⑦Status light: ON, Off; ⑧Reset: Restore the configuration to factory settings; ⑨About: Software Information; Usage time.

Examples of connection methods

(1)Lamp A (Host 2.4G transmitting) ----Lamp B (Slave 2.4G receiving)
(2)Mobile phone (WIFI) ----Launcher (APP) ----Lamp (Slave 2.4G)
(3)Mobile phone (WIFI) ------ Lamp (APP)
(4)Mobile phone (WIFI) ----- Lamp A (APP) ----- Lamp B (Slave 2.4G)
(5)Console (WIFI) ----- Launcher(APP)------ Lamp (slave 2.4G)
(6)Console (WIFI) ------ Lamp A (APP) ---- Lamp B (Slave 2.4G)
(7)Lamp A (DMX512 transmit)----Lamp B(DMX512 receiver)Wired connection
(8)Console (wired connection) ----- Lamp (DMX512 receive)

Lamp Batch Operation Instructions:
• A phone can only connect to one remote control (APP).
• Recommend a lamp (APP) connected to less than 64 slave lamps.
• Prerequisite for lamp batch operation:All lamps that have been successfully connected with the remote control can be operated.
• Configuration table: Can be modified to a unified configuration table.
• Automatic DMX address: According to the modified configuration table, such as modified to configuration table for 1, if there are 10 lamps, i.e. DMX address, the address is assigned as 1/17/33/49/65/81/97/113/129/145.
• Working mode: Uniformly modify the working mode, such as from 2.4G uniformly modified to APP, and then to modify from APP to 2.4G,need to manually modify each lamp.
• All Disconnect: All the lamps connected with this remote control are disconnected, if you want to control again, you need to re-pair.
• Reset all:It means the lamps connected with this remote control are reset uniformly.
• Turn off all: All lamps connected with this remote control are turned off .

Technical parameters

Item	T18C	T36C
Power	18W	36W
Lamp Type	RGBWW	
Lux	270lux@1m	430lux@1m
CRI/TLCT	CRI > 95,TLCI > 97	
DC Input	DC 20V/2.4A	
Lamp weight	0.725KG	1.17KG
Size （mm）	38.5*600	38.5*1200
Angle	120° (Field of view180 °)	
Quantity	8 Pixels	16 Pixels
Battery life	After 300 cycles the remaining 70%	
Battery running time	T18C 2.5 hours，T36C 1.5 hours	
LED Lifetime	10000hours	
Charging time	3hours	4hours
Wireless Interface	Wi-Fi,2.4G	
Control Options	On-Board Controller ,APP Controller WIFI Controller, 2.4G Controller,DMX 512	
Support protocols	WIFI/ Art-Net	
Shell material	PC / Aluminum alloy	
DC Connector	5.5mm*2.5mm	
IP Rating	IP20	
Working temperature	-20℃-40℃	

CERTIFICATE
QC PASS

Tube Lux cseriesr Configuration Table

Profile 1			
Channel	DMX Value	Function	Percent
1	0-255	Brightness (0~100%)	0-100
2	0-255	CCT(2700K~10000K)	0-100
3	G/M (-100 ~ +100)		
	0-20	0G	0-8
	21-33	100M	9-13
	34-134	99 M~ 1M	14-53
	135-145	0G	54-57
	146-244	1G~99G	58-96
	245-255	100G	97-100
4-5	0-255	HUE (0°~359°)	0-100
6	0-255	SAT (0~100%)	0-100
7	GEL		
	0-20	None	0-8
	21-25	1700K	9-10
	26-30	2000K	11-12

Profile 1			
7	31-35	2700K	13-14
	36-40	3200K	15-16
	41-45	5600K	17-18
	46-50	Red(Hue 0°)	19-20
	51-55	Green(Hue 120°)	21-22
	56-60	Blue(Hue 240°)	23-24
	61-65	Magenta(Hue 340°)	25-26

Tube Lux cseriesr Configuration Table

		Profile 1	
	66-70	Yellow(Hue 30°)	27-28
	71-75	Orange(Hue 170°)	29-30
	76-255	Reserve	31-100
8		Effect	
	0-20	OFF	0-8
	21-25	Strobe	9-10
	26-30	Paparazzi	11-12
	31-35	Short-circuit	13-14
	36-40	Cop Car 1	15-16

		Profile 1	
	41-45	Cop Car 2	17-18
	46-50	Fire	19-20
	51-55	Rainbow	21-22
	56-60	Breath	23-24
	61-65	Pixel rainbow	25-26
	66-70	Meteor 1	27-28
	71-75	Meteor 2	29-30
8	76-80	Meteor 3	31-32
	81-85	Music 1	33-34
	86-90	Music 2	35-36
	91-95	Random 1	37-38
	96-100	Random 2	39-40
	101-105	Random 3	41-42
	106-110	Stars	43-44
	111-115	Cop light 3	45-46

Tube Lux cseriesr Configuration Table

		Profile 1	
8	116-120	Cop light 4	47-48
	121-125	Mode 2	49-50
	126-130	Pile up	51-52
	131-135	Pile up 2	53-54
	136-140	Fire	55-56
	141-255	Reserve	57-100
9		Speed Rate	
	0-20	50%	0-8
	21-255	0-100%	9-100
10		Effect Color	
	0-20	Default (white)	0-8
	21-50	Random color	9-20
	51-80	Rainbow (0-359° recycle)	21-31
	81-110	Custom (defined by other channels)	32-43
	111-255	Default (white)	44-100

		Profile1	
11	0-255	R	0-100
12	0-255	G	0-100
13	0-255	B	0-100
14	0-255	W	0-100
15	0-255	Y	0-100
16		Curves	
	0-15	Linear	0-6
	16-75	Logarithmic	7-31
	76-135	Linear	32-55

Tube Lux cseriesr Configuration Table

Profile 1		
136-195	Index	56-79
196-255	None	80-100

Profile 2			
Channel	**DMX Value**	**Function**	**Percent**
1	0-255	Brightness (0~100%)	0-100
2	0-255	CCT (2700K~10000K)	0-100
3	G/M (-100 ~ +100)		
	0-20	0G	0-8
	21-33	100M	9-13
	34-134	99 M~ 1M	14-53
	135-145	0G	54-57
	146-244	1G~99G	58-96
	245-255	100G	97-100
4	0-255	HUE (0°~359°)	0-100
5	0-255	SAT (0-100%)	0-100

Profile 3			
Channel	**DMX Value**	**Function**	**Percent**
1	0-255	Brightness (0~100%)	0-100
2	0-255	CCT (2700K~10000K)	0-100
3	G/M (-100 ~ +100)		
	0-20	0G	0-8
	21-33	100M	9-13

Tube Lux cseriesr Configuration Table

Profile 3			
3	34-134	99 M~ 1M	14-53
	135-145	0G	54-57
	146-244	1G~99G	58-96
	245-255	100G	97-100
4	0-255	Cross fade	0-100
5	0-255	R(0-255)	0-100
6	0-255	G(0-255)	0-100
7	0-255	B(0-255)	0-100

Profile 4			
Channel	DMX Value	Function	Percent
1	0-255	Brightness (0~100%)	0-100
2	0-255	CCT(2700K~10000K)	0-100
3	0-255	HUE(0°~359°)	0-100
4	0-255	SAT(0~100%)	0-100

Profile 5			
Channel	DMX Value	Function	Percent
1	0-255	Brightness (0~100%)	0-100
2	0-255	CCT (2700K~10000K)	0-100
3	0-255	Cross fade(0~100%)	0-100
4	0-255	R	0-100
5	0-255	G	0-100
6	0-255	B	0-100

Tube Lux cseriesr Configuration Table

	Profile 6		
Channel	**DMX Value**	**Function**	**Percent**
1	0-255	Brightness (0~100%)	0-100
2	0-255	R	0-100
3	0-255	G	0-100
4	0-255	B	0-100

	Profile 7		
Channel	**DMX Value**	**Function**	**Percent**
1	0-255	Brightness (0~100%)	0-100
2	0-255	R	0-100
3	0-255	G	0-100
4	0-255	B	0-100
5	0-255	W	0-100

	Profile 8		
Channel	**DMX Value**	**Function**	**Percent**
1	0-255	Brightness (0~100%)	0-100
2	0-255	R	0-100
3	0-255	G	0-100
4	0-255	B	0-100
5	0-255	Y	0-100
6	0-255	W	0-100

Tube Lux cseriesr Configuration Table

Profile 9			
Channel	DMX Value	Function	Percent
1	0-255	R	0-100
2	0-255	G	0-100
3	0-255	B	0-100

Profile 10			
Channel	DMX Value	Function	Percent
1	0-255	R	0-100
2	0-255	G	0-100
3	0-255	B	0-100
4	0-255	W	0-100

Profile 11			
Channel	DMX Value	Function	Percent
1	0-255	R	0-100
2	0-255	G	0-100
3	0-255	B	0-100
4	0-255	CCT(2700K~10000K)	0-100