User Manual

The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person Shields, lenses or ultraviolet screens shall be changed if they have become visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches

Foreword

Instructions Please read this user manual carefully. This user manual is designed to be sturdy for long term usage. Include this manual when passing the product on to third parties.

The luminaire is intended for professional use only.

Thank you for purchasing the SGC Prism SE Series LED Light.

For non-user replacable light sources:

Beware of warnings listed and follow instructions for optimal usage and product life. Warning: Do not leave product unattended in surrounding with excessive heat, humidity and other harmful elements. Do not use corrosive chemicals for cleaning the product.

Operate carefully to not cause damage by dropping the product or hitting other objects with it. Always seek an authorized service or agent if your product has problems. Please note that the warranty does not apply to repair(s) arising out of third party or unauthorised disassembly, although you may request such repairs on a chargeable basis.

warranty.

We strongly recommend using cables provided by SGC and any malfunctions or damages caused by third party cables will not be covered by the

The instructions and information in this manual are based on thorough, controlled company testing procedures. Designs and product specifications may change without notice. Intended Use

Intended use of the SGC Prism SE LED Lights includes: The user has read the instructions of this manual. The user is using the products within the operating conditions and limitations described in this manual. Improper use means using the product(s)other than as described in this manual or under conditions that differ from those described herein.

Page 1

Product Specifications

Models

Hue

Saturation Power Input Range

LED Wattage

Max Wattage

Power Port

1x Prism SE 60 OR Prism SE 120 tube type LED lamp

Color Temp. 1x Lamp Holder Color Temp. Tolerance 1x Carrying Case Color Accuracy Standard

2

3

4

-6

10

Œ

in 3 seconds.

Optics White Diffuse 1x SGC replaceable Li-Ion 16000mAh capacity Battery Pack Beam Angle 150° 1x AC Power Supply 2700-6500K

Prsim SE 120

DC 24V -- 2.3A

36W

55W

1x User Manual

Package Contents

*Package contents may be updated or changed without notice. *Various accessories are constantly being developed. Please check

our website www.sgclights.com to learn more.

Functional Description

Control Side End Cap

Lumens (@6000K)	2300im	4600IM			
Dimming	0-100%				
Software Interface	On-board Controller with Display				
IP Rating	IP50				
Operational Temp.	-20~	40°C			
Fixture Dimensions	Ø44.5*656mm	Ø 44.5*1212mm 1.1Kg			
Fixture Weight	0.75Kg				
Battery Capacity	18V/3200mAh, 57.6WH	18V/3200mAh, 57.6WH			
Battery Pack Charge Life	Expected batter	y pack capacity			
	after 300 charging cycles: >70%				
Expected Lamp Life	25000 Hours				
Controls	Manual on-board control, wired/wireless DMX,				
	Wireless Remote Controller (optional)				
	0.5	rage			
Pottoni Cido End Con	Power Switch				
Battery Side End Cap	② Soft Switch Button				
	3 Men	u Screen			
	(4) Retu				

Prsim SE 60

DC 24V -- 1.58A

18W

±100K

CRI>95, TLCI>95

0-360

DC input, 2.5*5.5mm barrel connector

Minus/Left Button 6 Plus/Right Button

7 Confirm Button

DMX OUT Port

(10) DMX IN Port 11 DC Input Port

14 Battery Cap

8 Micro USB Update Port

12 Rechargeable Battery Pack

Page 3

13 Locking Pin Indicator

2.5*5.5mm Barrel III SII

2. Charging - Directly inside a fixture (default)

Operations: Li-Ion Rechargeable Battery Pack

1. Removing and Inserting of Battery Pack

100-240V AC Outlet

1. Control Button Functions

Operations: Menu Navigation, Structure and Parameters

Minus/Left Button

② Return Button 3 Plus/Right Button

4 Confirm Button

(5) Soft Off Button

ainbow1.Rainbow2.

Demo.TV.Lightning

Circuit.Flashes.

0-100%

L/F

1.2.4

Fire1.Fire2.Fire3. Cop1.Cop2.Cop3.

Twist the battery cap to unlock

and remove it from end cap

2 Use the built-in tab to pull out the battery pack or insert it

3 Align the locking-pin indicator when re-inserting the battery cap

2. Control Menu Listing

Parameters

DIM

CCT

SAT

DIM

Parameters

Status

Channel

Address

DMX Profiles

LOW DIMMING

Language

Version

Reset

ID

Preset Color

+/- Green

Description

2700-6500K

100M-100G

0-100%

0-100%

Description

ON/OFF

1-255

1-100

P1-P7

0.2.0

001-512

EN/ 中文

NO/YES

ON/OFF

3200K, 4000K, 5600K, 6000K, Red, Green,

Blue, Magenta, Yellow, Orange

Page 5

Page 7

Full minus green

-99 ~ -1% green

+1 ~ +99% green

Page 8

ge 9

Full plus green

Neutral

Note

Note

Note

Full minus green

-99 ~ -1% green

+1 ~ +99% green

Page 10

SEE FX

TABLE

SEE FX

RATE TABLE

Page 11

Default % / DMX

0

3200K / 045

50% / 128

0

100% / 255

100% / 255

100% / 255

0

Default % /

DMX

100%/128

0

Full plus green

0-100%

When a supplied AC power supply is connected to the fixture, it will provide power for the fixture to operate and/or charge the rechargeable

When to hold down the soft switch button for 3 seconds, the display interface

will jump to the battery display interface. The previous screen will be returned

Flashing empty battery icon: the battery has less than 5% charge

Displays the charging text under the power icon while charging.

3. Charging - Using an external battery charger (optional)

An optional external battery charger can be perchased to charge

battery pack depending if the battery is inside or not.

Solid battery icon with bars: current Battery Level.

remaining and needs to be charged.

additional battery packs separately.

Main Menu

Main Menu

Comm

SET

Page 4

HSI 0-100% DIM Cnotrol 0-359° HUE

PRESET

Sub Menu

WDMX512

INFO

RST

DIMMING

Sub Menu

CCT

Main Menu Sub Menu Parameters Description 0-100% FX DIM

Effect

Speed

Groups

Lead

Groups

start using the app to remotely control the lights.

app from the iOS App Store or Google.

Please refer to Sidus Link instruction manuals for detailed control parameters. Using the Sidus Link APPYou can download the Sidus Link

Lesd/Follow

Use 1/3 while Main Menu items are highlighted to navigate the control

parameters. Press 2 to return to the Sub Menu level and use 1/3 to choose a different Sub Menu item under the same Main Menu item or

press 2 to return to Main Menu level and choose a different Main Menu

Press (5) to make changes to the lamp settings with the light off. Once the desired settings are chosen, press (5) again to turn the light back on with that setting. When to hold down the Soft Off button for 3 seconds,

the display interface will jump to the battery display interface.

The previous screen will be returned in 3 seconds.

Cnotrol

menu horizontally. Press 4 to select the Main Menu item desired. Use 1/3 while Sub Menu items are highlighted to navigate the control

menu vertically. Press 4 to select the Sub Menu item desired. Use 1/3 once a Sub Menu item is selected to navigate the control

			Status	ON/OFF						
	Comm	2.4G	ID	1-255						
			Channel	1-100						
			Status	ON/OFF						
		WIREDDNX	Address	001-512						
			DMX Profiles	P1-P7						
			Status	ON/OFF						
		ВТ	Preset	ON/OFF						
		WIFI	Status	ON/OFF						
3	3a. Setting up for remote control using Bluetooth									
	Enter the main menu BT and the status will automatically show On. Use Reset to link the device with a new smart phone or a tablet.									
	Download Sidus Link app on a smart phone or a tablet and register. Please make sure Bluetooth is turned on on the mobile device before									

Page 6 Wireless Master/Slave: In order to create groups of lights that behave the same under a single channel that is controlled by a DMX controller, wired Master/Slave mode can be set up. 1. Enter the main menu SET and check the status of Master/Slave. If it is set to On, the light is set as a Master. If it is set to Off, the light is set as a Slave. Start by setting a light as a Master.

2.Enter the sub menu Wireless DMX and set the Status to On, and choose a desired DMX address. Please refer to pages 8-10 of this

3c. Setting up remote control using Wired DMX or Master/Slave Mode

Wired DMX: To use a DMX controller to control the lights remotely using the RJ45 ports, enter the main menu SET, and set Master/Slave

to Off. Enter the Wired DMX sub menu, set the Status to On, and choose a desired DMX address. Please refer to pages 8-10 of this User

User Manual for available DMX profiles.

Manual for available DMX profiles.

value of power supply.

For indoor use only.

4a. 4

3

4

5/6

7

2

Channel

Channel

3

4

Function

Intensity

Color Temp.

+/- Green

Red

Green

-99 ~ -1% green

+1 ~ +99% green

Full plus green

Neutral

Note

Note

No effect

Neutral

Full minus green

-99 ~ -1% green

+1 ~ +99% green

Full plus green

No effect

Full minus green

-99 ~ -1% green

+1 ~ +99% green

Full plus green

SEE FX

RATE TABLE

DMX

1750K to

10,000K

SEE GREEN

TABLE

White Light to

RGB

SEE FX

TABLE

RATE TABLE

Default % /

DMX

100%/128

0

Note

3200K / 045

50% / 128

0

100% / 255

100% / 255

100% / 255

0

100%/128

Description

Lightning

Default % /

0/0

Play Store for enhancing the functionality of the light. Please visit sidus.link/app/help for more details regarding how to use the app to control your Aputure lights. 3b. Setting up remote control using Wireless DMX or Master/Slave mode Master/Slave mode is where a light can be set as a Master and control a group of additional lights set to Slave, which mimic the behavior of the Master light. Wireless DMX: To use a DMX controller with wireless DMX capability to control the lights remotely, enter the main menu SET, and set Master/ Slave to Off. Enter the Wired DMX sub menu, set the Status to On, and choose a desired DMX address. Please refer to pages 8-10 of this User Manual for available DMX profiles. In order to add more lights to be controlled individually using the same wireless DMX controller, a different DMX address needs to be entered that is at least 10 numbers apart. **DMX Profiles and Parameters** P1: HSIC - 8bit, 5 DMX Channels Channel Function 8bit Value **Actual Value** Note Intensity 0.255 0-100% 2 2700-6500K Color Temp. 0.255 3 +/- Green 0-10 0-4% No effect 11-20 5-8% Full minus green

21-119

120-145

146-244

245-255

0.255

0.255

Hue

Saturation

Function

Intensity

Saturation

Function

Intensity

Hue

5

Channel

Channel

Channel

2

3

5

6

2

3

1

2

9-46%

47-57%

57-96%

96-100%

0-359

0-100%

Actual Value

Actual Value

2700-6500K

0-100%

0-3599

0-100%

0-100%

0-4%

5.8%

9-46%

47-57%

57-96%

96-100%

Actual Value

2700-6500K

0-100%

0-4%

5-8%

9-46%

47-57%

57-96%

96-100%

0-100%

0-100%

0-100%

P7: CCT & RGB - 8bit, 6 DMX Channels

P3: HSI - 8bit, 3 Channels

P4: CCT - 8bit, 3 Channels

8bit Value

0.255

0.255

0-255

8bit Value

0.255

0.255

146-244

245-255

8bit Value

0-255

0.255

0-10

11-20

21-119

120-145

146-244

245-255

0-255

0-255

0.255

P2: HSIC - 16bit, 7 DMX Channels 8bit Value Actual Value Channel Function Note 0.65535 0-100% 1/2 Intensity 2700-6500K Color Temp. 0-255 +/- Green 0-10 0-4% No effect

5-8%

9-46%

47-57%

57-96%

96-100%

0-359°

0-100%

Actual Value

2700-6500K

Actual Value

Actual Value

2700-6500K

0-100%

0-4%

5-8%

9-46%

47-57%

57-96%

96-100%

0-100%

0-100%

0-100%

0-100%

P6: RGB - 8bit, 3 Channels

4b. The lamp shall be changed if it has become damaged or thermally deformed

4c. 5 meter/0.5mm2 is the maximum distance between power supply and LED

4d. The reinforced insulation or double insulation has been maintained between LV supply and DMX control conductors.

11-20

21-119

120-145

146-244

245-255

0.65535

0-255

0.255

8bit Value

tube light. Independent SELV LED driver. 24V is the highest allowed Uout

P5: CCT - 8bit, 2 Channels Channel Function 8bit Value 0.255 Intensity

Color Temp.

Function

Hue

Saturation

				Pag
3	Blue	0-255	0-100%	
3	Green Blue	0-255 0-255	0-100% 0-100%	

8bit Value

0-65535

0-255

0-10

11-20

21-119

120-145

146-244

245-255

0-65535

0-65535

0-65535

3 +/- Green 0-10 11-20 21-119 120-145

Function

Intensity

Color Temp.

+/- Green

Green

FX Rate

FX Size

Function

Intensity

Color Temp

+/- Green

Crossfade

Green

FX Rate

FX Size

Function

0.255

Value

0.255

0-255

0-255

0-255

0-255

0-255

0.255

FX Profile 11 CCT & RGB+FX - 8 Bit 7 DMX Channels per Pixel + 3 FX Channels

Percentage

0-100

0-100

0-100

0-100

0-100

0-100%

+/- Green Table

Percentage

8

Channel

1

2

3

6

10

Channel

Color Temp.

FX Pro	ofile 9 HSIC+FX	-8Bit 50	MX Channels po	er Pixel + 3 FX	Channels
Channel	Function	Value	Percentage	Note	Default % /
1	Intensity	0-255	0-100		0
2	Color Temp	0-255	0-100	3200K / 045	1750K to 10,000K
3	+/- Green			50% / 128	SEE GREEN TABLE
4	Hue	0-255	0 to 360	0	0° to 360°
5	Saturation	0.255	0-100	0	White Light to RGB
6	FX			0	SEE FX TABLE

0-100%

FX Profile 10 HSIC+FX - 16 Bit 8 DMX Channels per Pixel + 3 FX Channel							
Channel	Function	Value	Percentage	Note	Default % /		
1/2	Intensity	0-65,535	0-100	0			
3	Color Temp	0-255	0-100	3200K / 255	1750K to 10,000K		
4	+/- Green			50% / 128	SEE GREEN TABLE		
5/6	Hue	0-65,535	0 to 360	0	0° to 360°		
7/8	Saturation	0-65,535	0-100	0	White Light to RG8		

0.255

FX Profile 12 CCT & RGB + FX - 16 Bit 9 DMX Channels per Pixel + 3 FX Channels

0-100%

Description

1750K to 10,000K

SEE GREEN TABLE

White Light to RGB

SEE FX TABLE

FX

FX Rate

FX Size

Value Percentage

0-100

0-100

0-100

0 - 100

0-100

0-100

0-100%

Value

0 - 27

28 - 39

40 - 51

52 - 64

FX Table

Percentage

11 - 15

16 - 20

21 - 25

Description

Rainbow1

Rainbow2

Circuit

Flashes

Descriptio Default % /

Red & Blue

Blue & Blue Red &

Orange

Red &

White

(3200)

Red &

White

(5600)Blue &

White (3200)Blue &

White (5600) DMX

100%/128

Page 15

0-65.535

0-255

0 - 255

0-255

0-255

0-255

Function

35

45

60

10

11

Channel Function

Intensity

Color Temp

+/- Green

Red

Green

Blue

FX

FX Rate

FX Size

Channel

Channel #

Crossfade 0-65.535

1/2

3

4

5/6

7

8

9

10

Page 12

Channel #	+/- Green				s and Green	509	6/128
		0-10	0-4	No Effect Full Minus Green -99% to -1%			
		11-20	5-8				
		21-119	8-46				
		120-145	47-57	N	eutral		
		146-244	57-96	1%	to 99%		
		245-255	96-100		II Plus kreen		
	DMX				USEF	2	
140-	Home	Max	Min		Home		Mao
Min				-100 0			
Min 11	133	255	-100)	0		+10
11	133	255	-100		0		+10
	133	255	-100		0		+100
11	133	255	41 - 45		0 op 1		+100
11	133			•			+10
11	133	103 - 115	41 - 45	C	ор 1		+10
11	133	103 - 115 116 - 128	41 - 45 46 - 50	C	op 1 op 2		+10

167 - 255

FX EMERGENCY LIGHT PATTERNS

Profiles 9,10,11,12

Percentage

0-100

0 - 15

16 - 30

31 - 45

61 - 75

76 - 100

128 - 145

146 - 163

164 - 181

182 - 199

200 - 217

Description

Single

Single/Off

Double

Triple

Quad

Future Use

36 - 40

41 - 45

46 - 50

51 - 55

56 - 60

Green &

White(3200

Green &

White(5600

Orange &

White (3200)Orange &

White (5600)White &

White (3200)White &

Value

0-255

0 - 38

78 - 115

116 - 153

154 - 191

192 - 255

90 - 102

103 - 115

116 - 128

129 - 140

141 - 153

Channel

Channel #

Function

FX Size

66 - 100

DMX DMX DMX DMX DMX			Fire1	30	26 - 3	65 - 77	75	
FX Rate Table			Fire 2	35	31 - 3	79 - 90	85	
FX Rate Table annel Function Value Percentage Description Default % / DMX nnel # FX Rate 0-255 0-100 0% to 200% 100%/128 0-10 0-4 No Effect 11-20 5-8 0% (paused) 21-119 8-46 1% to 99% 200 120-145 47-57 100% Default 146-244 57-96 101% to 199% 245-255 96-100 200% DMX USER Min Home Max Min Home Max 0 128 255 0 100 200			Fire3	40	3 36 - 4	91 - 10	100	
Percentage Description Default % / DMX	Page							
Percentage Description Default % / DMX								
Percentage Description DMX					e Table	FX Rat		
0-10			cription	Des	Percentage	Value	Function	Channel
11-20 5-8 0% (paused)	6/128	100%	to 200%	0% 1	0-100	0-255	FX Rate	Channel #
21-119 8-46 1% to 99%			Effect	No	0-4	0-10		
200 120-145 47-57 100% Default 146-244 57-96 101% to 199% 245-255 96-100 200% DMX USER			(paused)	0% (5-8	11-20		
146-244 57-96 101% to 199%			to 99%	1%	8-46	21-119		
146-244 57-96 199%			6 Default	1009	47-57	120-145	200	
DMX					57-96	146-244		
Min Home Max Min Home Max 0 128 255 0 100 200 Page			200%	2	96-100	245-255		
0 128 255 0 100 200 Page			USER	T			DMX	
Page	Max		Home		Min	Max	Home	Min
	200		100		0	255	128	0
EMERGENCY LIGHT HUE PRESET TABLE	Page							
			TABLE	ESET	HT HUE PRE	GENCY LIG	EMER	

DMX Value Hue Angle Percentage

0 - 19

20 - 38

39 - 55

56 - 73

74 - 91

92 - 109

110 - 127

0-5

6 - 10

11 - 15

16 - 20

21 - 25

26 - 30

31 - 35

Function

Hue

0 - 13

14 - 26

27 - 38

39 - 51

52 - 64

65 - 77

78 - 89

Channel #

154 - 166	218 - 235	61 - 65	White (5600)	
167 - 255	236 - 360	66 - 100	No Effect / Future Use	
				SGC LIGHTS LLC 3022 Durfee Ave, Unit C El Monte, CA 91732

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