SWIT®

HL-100
Recessed High-Brightness Conference Light
Ver: B

USER MANUAL

SWIT Electronics Co.,Ltd.

Thank you for choosing SWIT products. Please read the instructions before using, and keep it for future reference.

Technical parameters

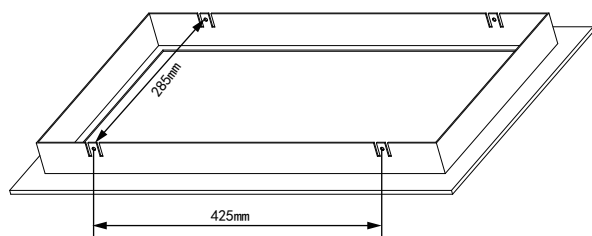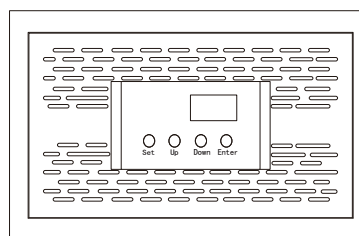| Model	HL-100
Half-peak beam angle	AROUND 66°
Colour temperature	5600K
Brightness	0%-100%
CRI	96
TLCI	94
Central illumination	2500 Lux@1m
Operating Voltage	AC 100-240V，50/60Hz
Complete lamp power	Approximately 100W
Protection level	IP20
Heat dissipation method	Air convection fanless natural cooling
temperature monitoring	Built-in temperature protection sensor, over-temperature protection by automatic adjustment of luminaire power
Lamp size (mm)	574 x 355 x 798mm
aperture size (mm)	497 x 285mm
Lamp net weight	5.5Kg

FIG 1 High strength aluminium profile lamp body nesting

FIG 2 Top view

Precautions for Equipment Installation and Maintenance

1. Pay special attention to the power supply voltage and the host voltage is consistent with the label, to ensure that the use of voltage in the technical parameters identified voltage range.

2. Do not loop this product with other electrical AC or DMX appliances.

3. Make sure the product is well grounded.

4. The maximum number of DMX loops for this product is 30pcs, if DMX loops are more than 30pcs, please use DMX512 signal amplifier.

5. Attention in the movement or installation use, avoid metal hard objects collision lamp body.

6. Disconnect the power supply if the lamp is not used for a long time.

7. To avoid danger, always check the equipment and power cord to make sure that the equipment is in good condition and that the power cord is not crimped or damaged.

8. Do not use the lamps and disconnect them from the power supply when there is lightning and thunder; high voltage can damage the lamps and lanterns.

9. Do not use this luminaire if the ambient temperature (TA) exceeds 35°C.

10. The surface temperature of the luminaire is 60°C after the luminaire has stabilised.

11. Do not install lamps on flammable surfaces.

12. LEDs need to be replaced when they are damaged or at the end of their life.

13. LED lens needs to be replaced after severe scratching or cracking.

14. Don't look directly at light sources as sensitive people can cause seizures (especially for people with epilepsy).

15. No objects are allowed to cover the front of the luminaire within 1m, and no combustible objects (e.g. fabric, wood, paper, etc.) are allowed within 0.5m around the luminaire.

16. If the luminaire is to be used suspended, it must be verified that the top can withstand the weight of the suspended 10 times the weight of the fixture.

17. Ensure that external protection, ropes, and hardware are safe and secure, and then protect them with one or more protective measures, such as safety ropes.
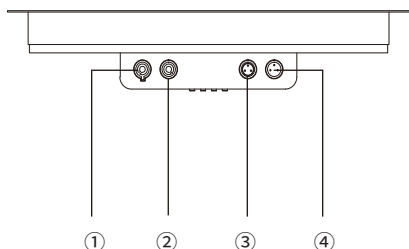
Appearance Description

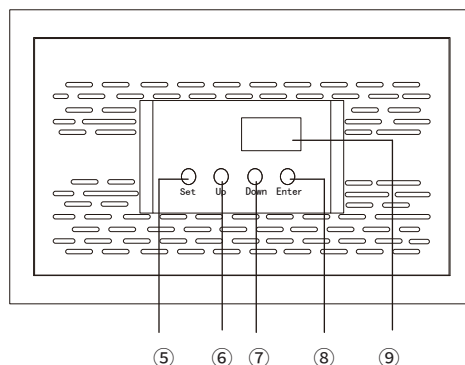FIG 3 HL-100

FIG 4 HL-100 Top view

① DMX INPUT
② DMX OUTPUT
③ AC INPUT
④ AC OUTPUT

⑤ Set: Menu selection/return
⑥ Up: Navigating upwards through menu items or parameter increments
⑦ Down: Scroll down through the menu items or parameters in descending order
⑧ Enter: Confirmation of selections or parameters
⑨ Digital display

USAGE

1.**POWER**

This product working voltage AC 100-240V,50/60Hz, support AC loop out.

2. Main menu (Set key rotates menu items)

Display Characters	Functional Description	operating method	illustrations
A .***	DMX standard mode (decimal point is not illuminated in slave mode, *** is address code)	① Press Set button to select A. *** (if "A" is flashing, it means it is not in the mode, press Enter button to enter the mode, at this time "A" is always on); ② Press Enter "***" blinking, then you can press Up/Down key to adjust to the desired address; ③ Press Enter again to save.	
S.***	DMX Lite Mode	① Press Set button to select S.*** (if "S" is flashing, it means it is not in the mode, press Enter button to enter the mode, at this time "S" is always on); ② Press Enter, "***" is blinking, at this time you can press Up/Down key to adjust to the desired address; ③ Press Enter again to save.	
AF .**	Automatic gradient mode (** for operating speeds 1 to 99)	① Press Set button to select AF.** (if "AF" is flashing, it means it has not entered the mode, press Enter button to enter the mode, at this time "AF" is always on); ② Press Enter, "**" is blinking, then you can press Up/Down key to adjust to the desired speed; ③ Press Enter again to save.	
AL .**	Auto skip mode (** for operating speed 1~99)	① Press Set button to select AL.** (if "AL" is flashing, it means that it has not entered the mode, press Enter button to enter the mode, at this time "AL" is always on); ② Press Enter, "**" is flashing, then you can press Up/Down to adjust the speed to the desired one; ③ Press Enter again to save.	

d1.**	Strobe brightness adjustment mode (** for LED brightness value 0-99-FL)	① Press Set button to select d1.** (if "d1" is flashing, it means it has not entered the mode, press Enter button to enter the mode, at this time "d1" is always on); ② Press Enter, "**" blinking, then you can press Up/Down key to adjust to the desired brightness; ③ Press Enter again to save.	
dF.**	Strobe speed adjustment mode (** for strobe speed 0-99-FL)	① Press Set button to select dF.** (if "dF" is flashing, it means it has not entered the mode, press Enter button to enter the mode, at this time "dF" is always on); ② Press Enter "**" blinking, at this time you can press Up/Down key to adjust to the desired	
t.***	Real-time temperature of lamp bead board (°C)	Press Set to select to t . ***, *** is the temperature	
V.***	software version number	Press Set to select to V . ***, *** is the version	
H.on/ H.oFF	Loss of DMX setting (on means hold last DMX setting value, off means delayed clear)	① Press Set button to select H.on/H.Off; ② Press Enter to select H.on/H.Off; ② Press Up/Down to adjust to the desired function when "on/oFF" is flashing; ③ Press Enter again to save.	

3. DMX channel table

• 2CH mode (standard mode)

Channel Number	Channel Name	DMX value	Descriptions
1	Dimmer	0-255	brightness adjustment
2	Strobe	0-255	Strobe adjustment (no strobe in the 0-4 range, slow to fast strobe in the 5-255 range)

• 1CH mode (Streamlined model)

Channel Number	Channel Name	DMX value	Descriptions
1	Dimmer	0-255	brightness adjustment

PACKING LIST

No.	Packaging Details	quantity
1	HL-100 Recessed High-Brightness Conference Light	X1
2	power cable	X1
3	AC Plug	X1
4	DMX Signal Cable	X1