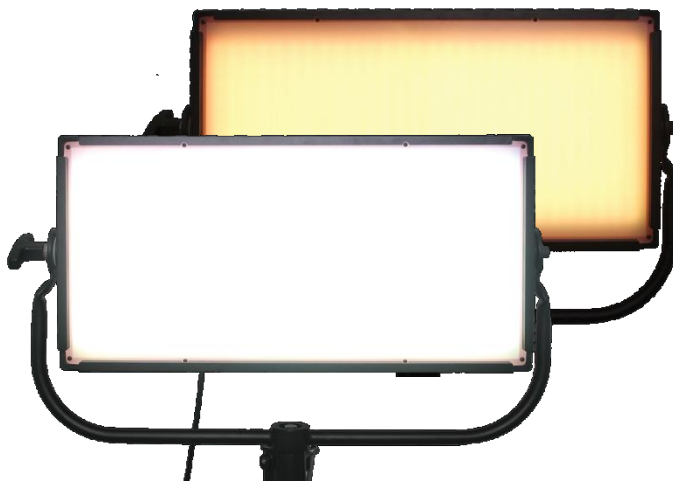


Lumos Glow panel 400F User manual

Ver. 2.5



Lumos Glow panel 400 Series

Product Overview

➤ Optical Characteristics

High CRI : 96Ra(Max)@3200K, 95Ra(Max)@5600K
Correlated Color Temperature(CCT) : 3200K or 5600K

➤ Features

Flicker Free

Flicker-free lighting

DMX

DMX 512 channel module control for all functions remotely

Dimming Control

Smooth digital dimming technology from 100% to 0%

Various modes

CCT / Preset / fan control

Case Material

Metal (Aluminum & Steel)

Advanced Heat managing technology

The patented technology to improve air flow to cool down the heat created inside the product.

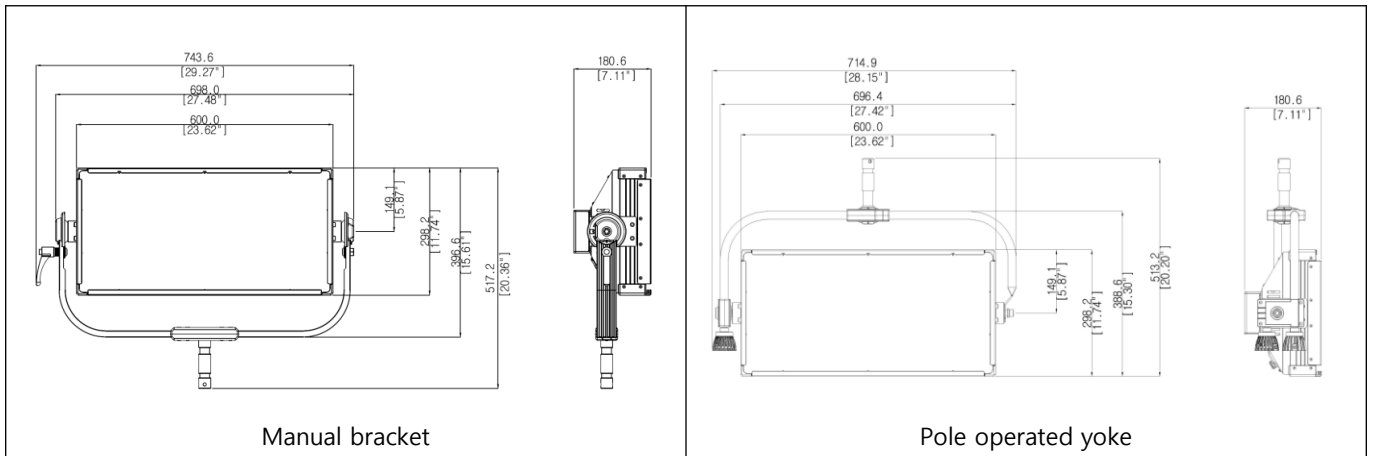
The convection heat mode is at LED PCB temperatures below 39°C. (No fan)

And cooling fans operate automatically when LED PCB temperatures above 40°C.

Product size & Technical Specifications

➤ Product size

1. **Size of light body** : W600 X H299 X L181 (mm) / W23.6 X H11.7 X L7.1 (in)
2. **Weight without accessories** : 12.3 kg (27.1 lbs)
3. **Dimensions**



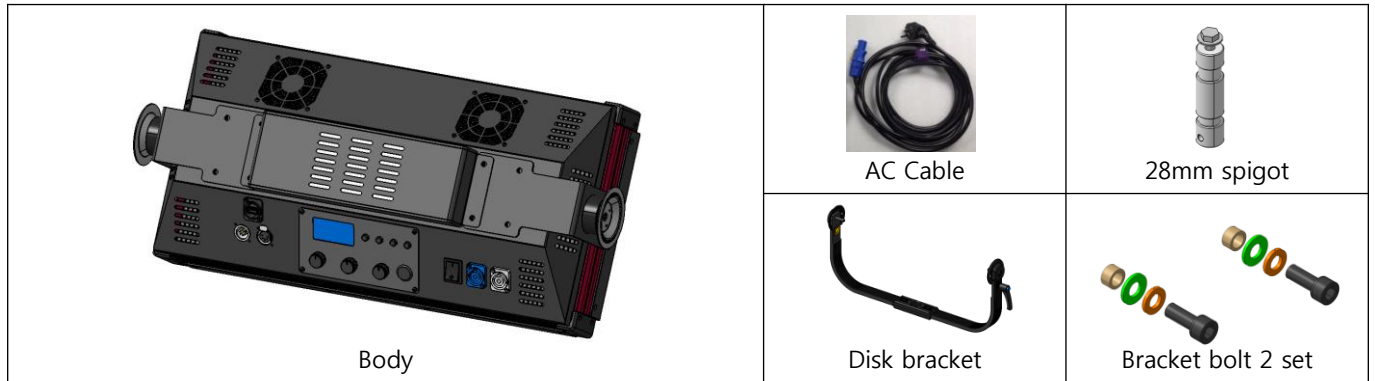
➤ Technical specifications

1. **Power Consumption** : 400W Nominal / 450W Max.
2. **Power Input** : AC 110~240V, 50~60Hz
3. **Photometric** : 3200K – 11,704 Lux@1m
5600K – 11,091 Lux@1m
4. **CRI** : 96Ra @3200K
95Ra @5600K
5. **CCT** : 3200K or 5600K (Flood type)
6. **Dimming** : Digital
7. **DMX** : DMX controlling up to 512 channels
8. **Operating Temp.** : 0°C ~ 45°C

Lumos Glow panel 400 Series

Components

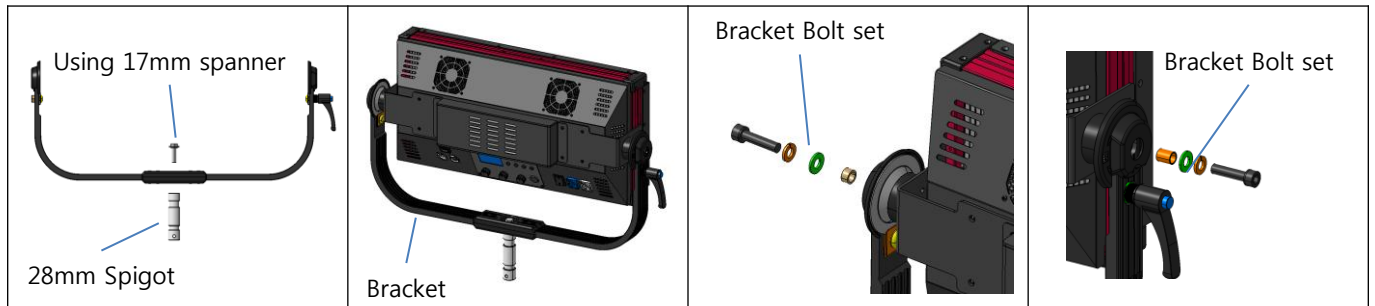
The components shown in this manual are subject to change.



Proper usage

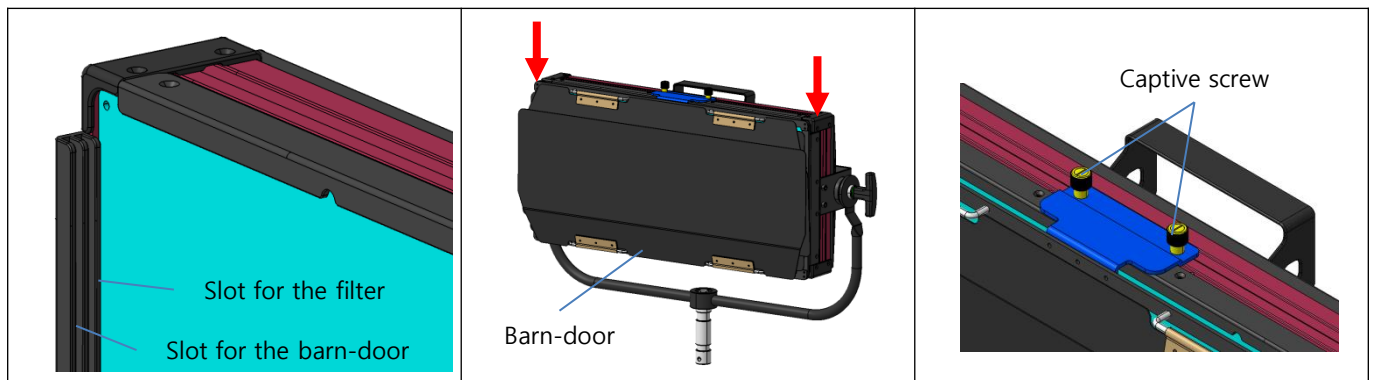
➤ Assembling the bracket

How to assemble the bracket included in the box package.



➤ Mounting the Barn-door or Filter (Honeycomb)

Lumos Glow panel 400 has two different slots, each for barn-door and filter.
The slot closer to the window is for the filter, and the outer slot for the barn-door.



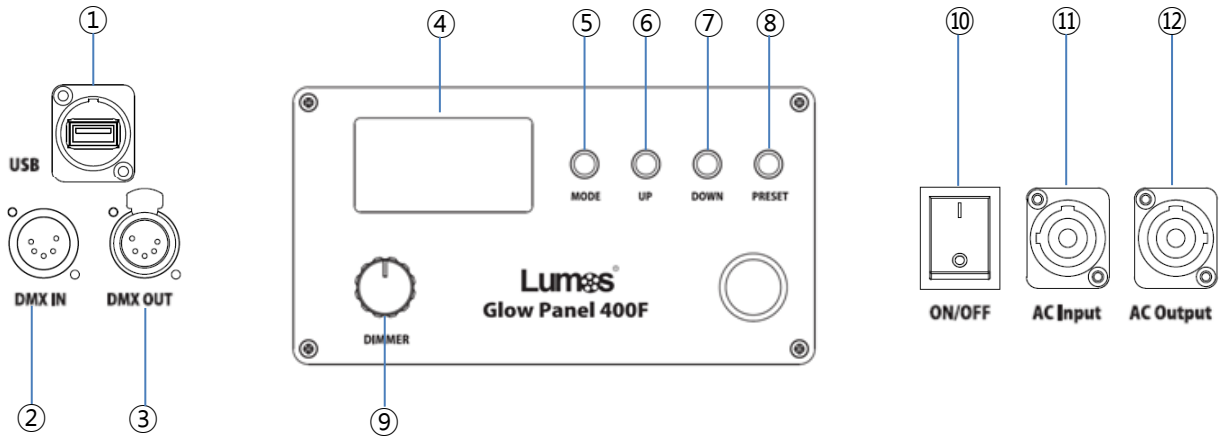
➤ Firmware update

Lumos Glow panel 400's new firmware can be updated using USB 2.0 flash drive. (USB format FAT32 type)

- 1) Copy firmware HEX file (image.hex) to USB flash drive.
(**Do not change the file name.** And **do not put in any folder.** If do, the system will not recognize the file.)
- 2) Turn off the Glow panel 400 and connect the USB flash drive to the USB port on the back of the light.
- 3) While holding the push mode button, turn on the Glow panel and hold the push mode button for 10 seconds.
- 4) After holding for 10 seconds, releasing the mode button will automatically complete the firmware update.

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Control



➤ Key functions

	Part names	Print names	Function
①	USB port	USB	Firmware update
②	DMX Input	DMX IN	Input for DMX signal
③	DMX output	DMX out	Output for DMX signal
④	LCD	-	Display menu / functions / status
⑤	Mode button	MODE	Shift the display mode / select
⑥	Up button	UP	Mode scroll Up (depending on the mode)
⑦	Down button	Down	Mode scroll Down (depending on the mode)
⑧	Preset button	Preset	Press the button brings up the list of loaded presets and select preset Press and hold down the button brings up the list of presets and save preset
⑨	Dimming knob	DIMMER	Control the dimming Push knob to change each 25%
⑩	Power ON/OFF	ON/OFF	Turning the power On/Off
⑪	AC Input	AC Input	Input AC
⑫	AC Output	AC Output	Output AC

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➤ Mode

Mode	Function
CCT	<ul style="list-style-type: none"> • Dimming 0~100% control (adjust by 1 / 25%)
Preset	<ul style="list-style-type: none"> • Save and load 10 presets - Press the preset button brings up the list of loaded preset and select preset - Press and hold down the preset button brings up the list of Saved presets and save preset
Setting	<ul style="list-style-type: none"> • Change DMX address (1~512) • Select DMX protocol (Dimming 8bit or 16bit) • Control Fan mode [Fan auto on / Fan all on / Fan half on / fan off]
Information	<ul style="list-style-type: none"> • Display status - LED PCB temperature - Fan status and input Voltage - Firmware version and date
Low Dimming set.	<ul style="list-style-type: none"> • Adjust the low dimming setting - LED low dimming setting.
Fan control	<ul style="list-style-type: none"> • Fan Auto on - LED PCB Temp. 0~39°C fan off / 40~44°C fan half on / 45°C~ Fan all on • Fan all on - Dimming 0~50% Fan off / 51~100% Fan all on • Fan half on - Dimming 75% max. / Dimming 0~50% Fan off / 51~75% Fan half on • Fan off - Dimming 50% max. / Not use the fan
Fan fault alarm	<ul style="list-style-type: none"> • Display fan fault status (Fan fault) • Automatically dimming down for safe (Dimming 50%)

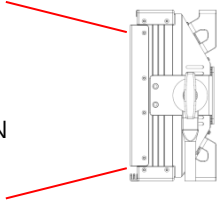
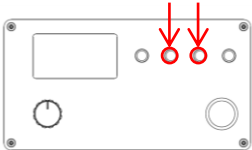
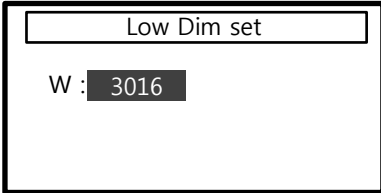

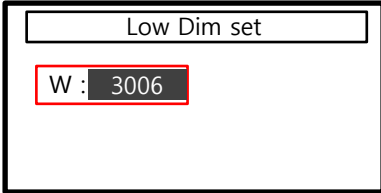
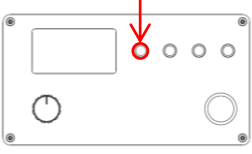
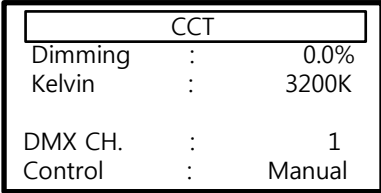
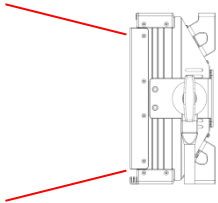
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➤ Menu table [1/2]

Mode		Key		Explanation
CCT		⑨	Dimming knob rotation	1% Dimming (0~100%)
			Dimming knob push	25% Dimming (0~100%)
Setting	-	⑤	Mode button	Select mode
	DMX address	⑥	Up button	DMX address setting (1~512)
		⑦	Down button	
	DMX Protocol	⑥	Up button	Select dimming 8 bit or 16 bit
		⑦	Down button	
	Fan control	⑥	Up button	Select Fan mode Fan auto on / Fan all on / Fan half on / Fan off mode
		⑦	Down button	
	Preset	Load Preset	⑧	Preset button
⑥			Up button	Scroll to Load preset
⑦			Down button	
Save Preset		⑧	Preset button push and hold 5 seconds	Move to Save preset mode (10 presets) Again to push and hold 5 seconds, save preset
		⑥	Up button	Scroll to save preset
		⑦	Down button	

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➤ Menu table [2/2]

Mode	Key		Explanation
Low dimming setting	⑥	Up and Down button both push and hold 3 seconds	Scroll to Low dimming setting
	⑦		
	⑨	Dimming knob rotation	LED index control
	⑤	Mode button	Setting low dimming and mode change
Description			
<p>Low dimming flicker or Dimming 0% → LED ON</p> 		<p>1) Flickering at low dimming range or Turning on in 0% dimming, pls control the Low Dimming set mode</p>	
 		<p>2) Up, down button both push and hold 3 seconds → Low dimming setting mode</p>	
 		<p>3) Rotate the Dimming knob, to setup the White index at 10 points lower than original number (ex. W[White] 3016 → 3006)</p>	
 		<p>4) Press the Mode button</p>	
<p>Check to light</p> 		<p>6) Check the normal condition Pls repeat five or six times when it is still abnormal</p>	

Protocol

➤ Mode 1 : CCT mode 8 bit (3 Channels per function)

Channel	Value	Percent	Function
1	0~255	0~100	Dimming 0~100%
2	0~65 66~129 130~193 194~255	0~25 26~50 51~75 76~100	Fan control ➤ Fan auto on (LED PCB Temp. 0~39°C fan off, 40~44°C fan half on, 45°C~ Fan all on) ➤ Fan all on (Dimming 0~50% fan off, 51~100% fan all on) ➤ Fan half on (Dimming 75% max. / 0~50% Fan off, 51~75% Fan half on) ➤ Fan off (Dimming 50% max.)
3	0~255	0~100	Preset (see preset table)

➤ Mode 2 : CCT mode 16 bit (4 Channels per function)

Channel	Value	Percent	Function
1	0~255	0~100	Dimming 0~100%
2			
3	0~65 66~129 130~193 194~255	0~25 26~50 51~75 76~100	Fan control ➤ Fan auto on (LED PCB Temp. 0~39°C fan off, 40~44°C fan half on, 45°C~ Fan all on) ➤ Fan all on (Dimming 0~50% fan off, 51~100% fan all on) ➤ Fan half on (Dimming 75% max. / 0~50% Fan off, 51~75% Fan half on) ➤ Fan off (Dimming 50% max.)
4	0~255	0~100	Preset (see preset table)

➤ Preset table

Value	Percent	Function
0~12	0~5	No effect
13~27	6~10	Preset 0
28~53	11~20	Preset 1
54~78	21~30	Preset 2
79~104	31~40	Preset 3
105~129	41~50	Preset 4
130~155	51~60	Preset 5
156~180	61~70	Preset 6
181~206	71~80	Preset 7
207~231	81~90	Preset 8
232~255	91~100	Preset 9

➤ **Memo**

➤ Memo

➤ Memo

The Natural LED Lighting

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