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SWIT Electronics Co., Ltd.

10 Hengtong Road, Nanjing 210038, P.R.China
Tel: +86-25-85805753
Web: www.swit.cc
Email: contact@swit.cc

SWIT Electronics Europe GmbH

Heerdterbuschstraße 10 / HALLE 9, 41460 Neuss, Germany
Tel: +49(0)2131 6632331
Web: www.switeu.com
Email: info@swit-europe.com

SWIT Electronics America, Inc

3350 Scott Blvd 61-02, Santa Clara, CA 95054, USA
Tel: (408)260-8258, 1-866-986-SWIT(7948)
Web: www.switusa.com
Email: info@swit.us



Professional Studio Lighting Guide

Recommended SWIT Lights for Diverse Video Studios

SWIT



When Lighting Meets Art,
The Image Gains a Soul.



SWIT

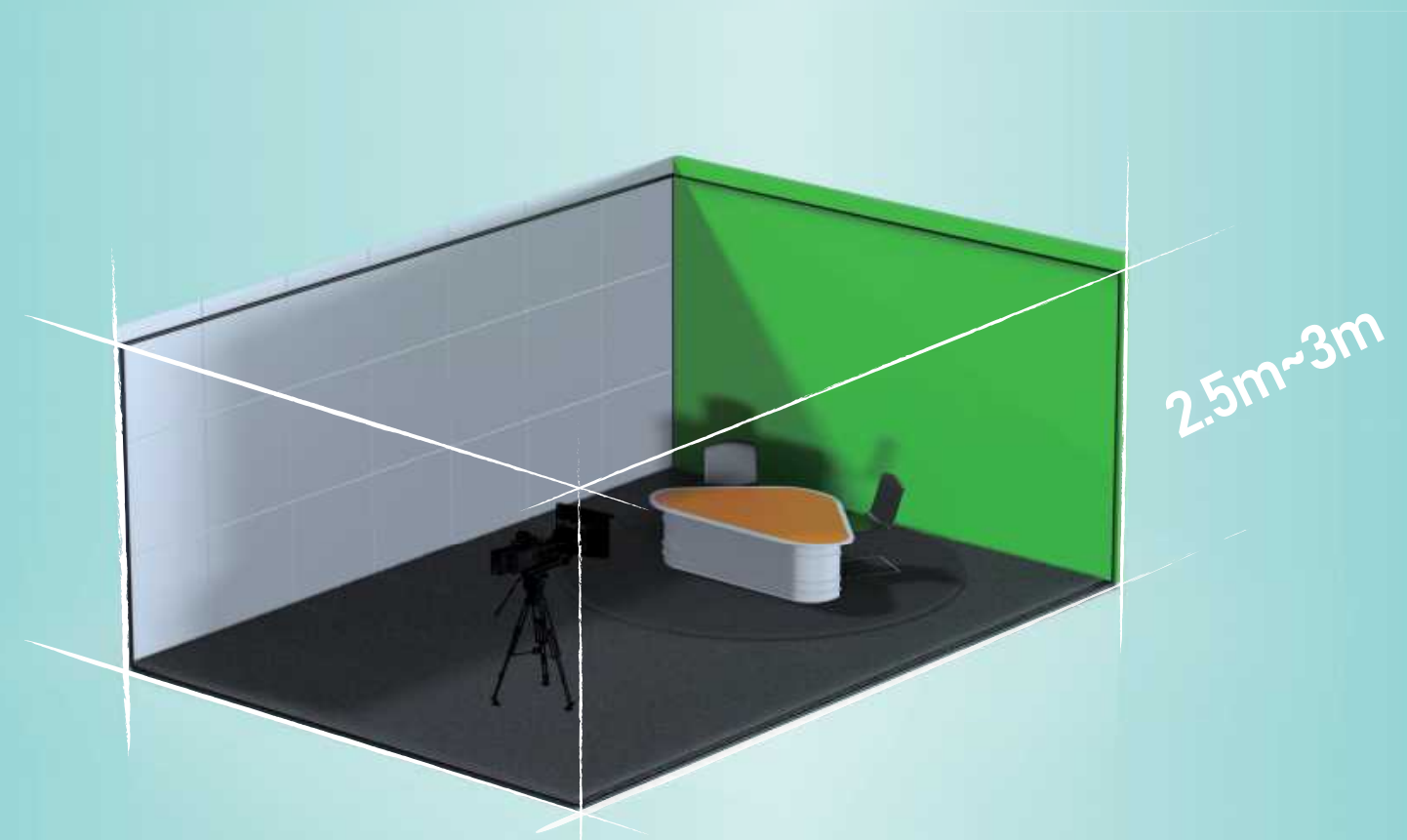
Studio Lightings Guide

We offer targeted lighting solutions for different scales of studios, helping users choose suitable lighting equipment based on their needs and budget. We believe that these practical cases and techniques will help broadcasting and television practitioners more accurately apply lighting technology, improve image quality, and present more beautiful and vivid visual effects for the audience.



The Low Ceiling Studios

Floor height 2.5 - 3m / 7- 10ft



Recommended Lights

Powerful and Fanless in MINI Size



Recommended
Panel Light
CL-M100D

100W

1×0.5' Mini Size
Fanless, Silent



Recommended
Fresnel Light
FL-C60D

60W

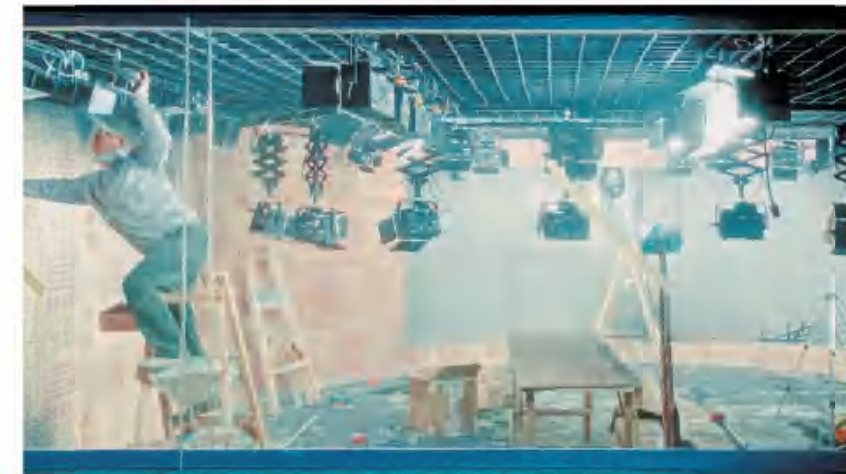
15-60° E-motor
25,000Lux@1m

A The Low Ceiling Studios

CL-M100D	x12
FL-C60D	x18



Photo by Promosound Studios



CL-M100D Mini Size 100W Bi-color SMD Panel LED Light

- ◆ 576pcs ultra bright long-life SMD LEDs
- ◆ 1×0.5' mini size for low ceiling studio install
- ◆ 100W power, 3400Lux @ 1meter ultra bright
- ◆ No fan, no noise
- ◆ 2700K-6500K continuously adjustable
- ◆ CRI Ra 98, TLCI 99, SSI (D55) 73
- ◆ DMX512 controlled color and dimmer
- ◆ USB power out for wireless DMX receiver
- ◆ LCD display color and dimmer value
- ◆ PowerCON TRUE1 AC in and loop out
- ◆ 4-pin XLR DC 11-17V input
- ◆ All-metal housing with 4-leaf barn doors



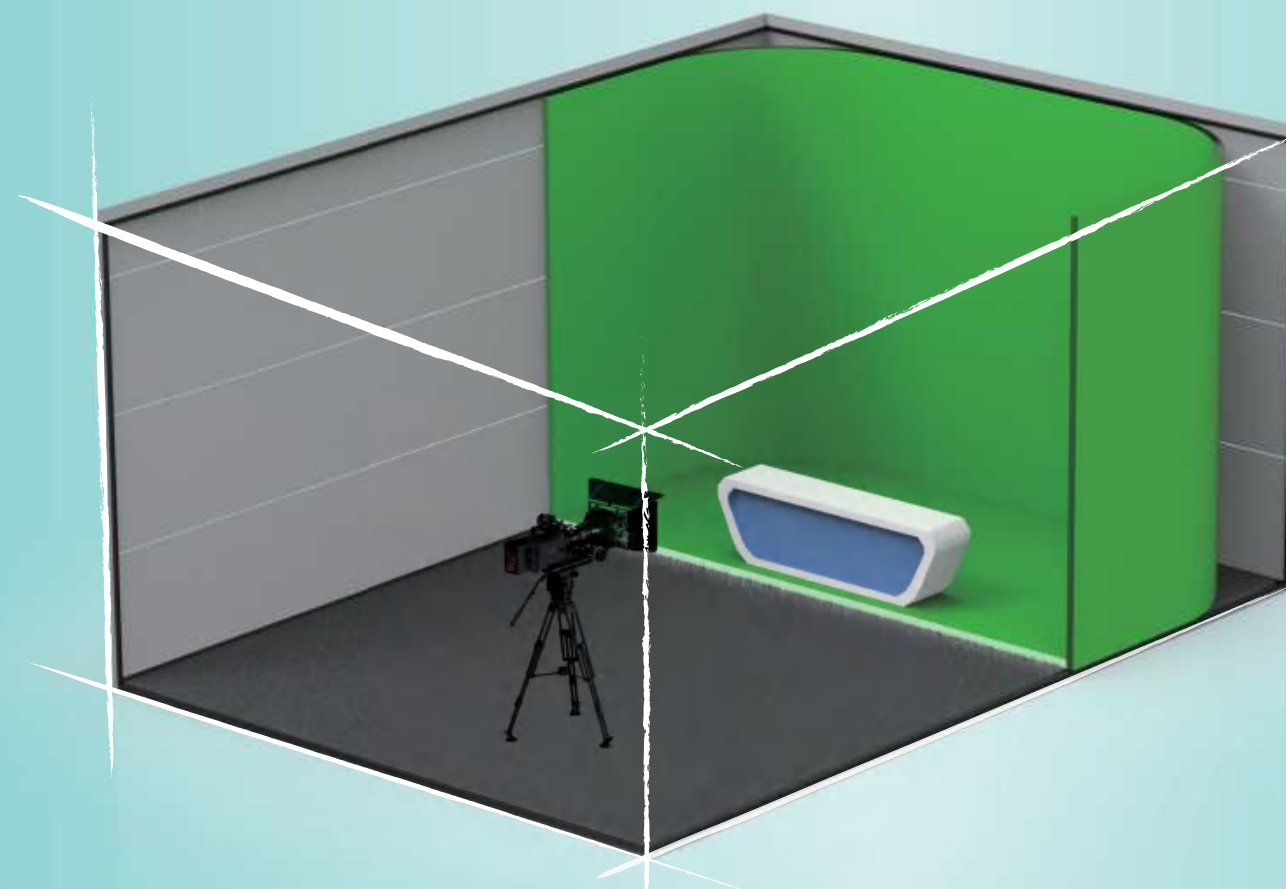
FL-C60D Mini Size 60W Bi-color COB Fresnel LED Light

- ◆ 60W ultra bright COB LED light
- ◆ 15°-60° Spot/Flood electromotive adjust
- ◆ 25,000Lux luminance @ 15° / 1 meter
- ◆ 2700K-8000K continuously adjustable
- ◆ Silent mode by fans switching off
- ◆ 0-100% flick-free dimming
- ◆ CRI Ra 95, TLCI 97
- ◆ DMX512 Color temp, Dimmer & Spot angle
- ◆ USB power out for wireless DMX receiver
- ◆ LCD display color temp, dimmer, DMX addr
- ◆ 4-pin XLR DC 11-36V power input
- ◆ Overheat detection and protection



The Regular Virtual Studios

Floor height 3 - 3.5m / 10 - 11.5ft



3m~3.5m



Recommended Lights

Powerful and Fanless in Light Weight



Recommended
Panel Light

CL-100D

100W

3,300Lux@1m
Light Weight



Recommended
Fresnel Light

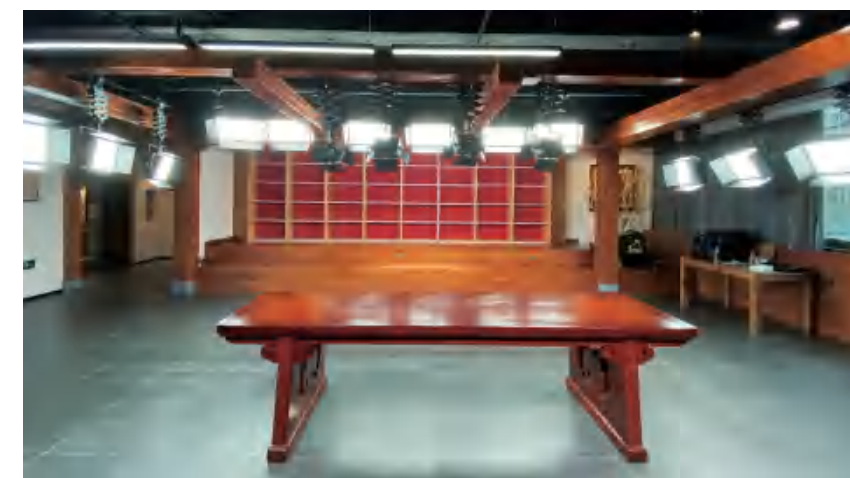
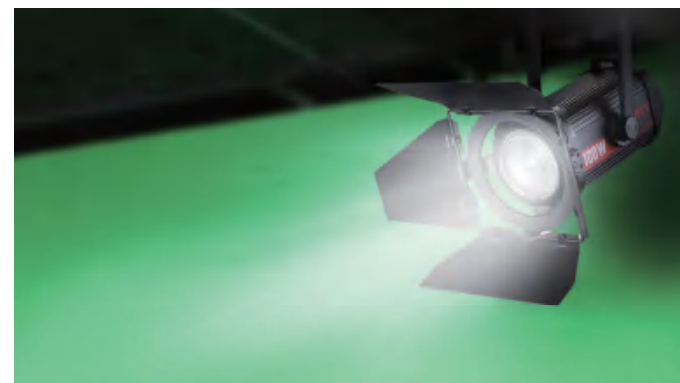
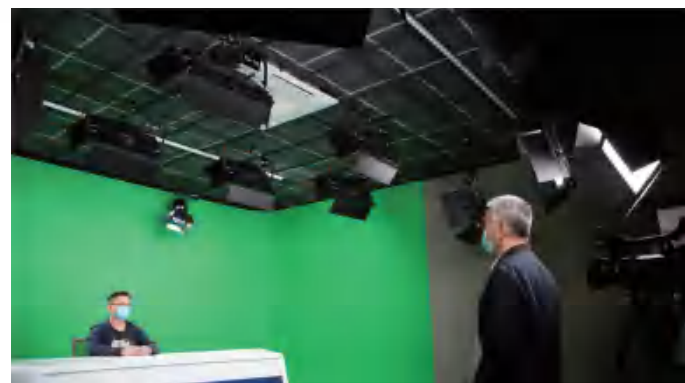
FL-C100D

100W

55,000Lux@1m
Fanless, Silent

B The Regular Virtual Studios

CL-100D	x14
FL-C100D	x4



CL-100D

100W Bi-color Light Weight SMD Panel LED Light

- ◆ 100W power, 3300Lux @ 1meter
- ◆ 0-100% flick-free dimming
- ◆ 2700K-6500K continuously adjust
- ◆ CRI Ra 97, TLCI 99, SSI (D55) 75
- ◆ DMX512 controlled color and dimmer
- ◆ USB power out for wireless DMX receiver
- ◆ LCD display color and dimmer value
- ◆ PowerCON TRUE1 AC in and loop out
- ◆ 4-leaf metal barn doors and Yoke bracket
- ◆ Optional 40° honeycomb (LA-G100)



FL-C100D

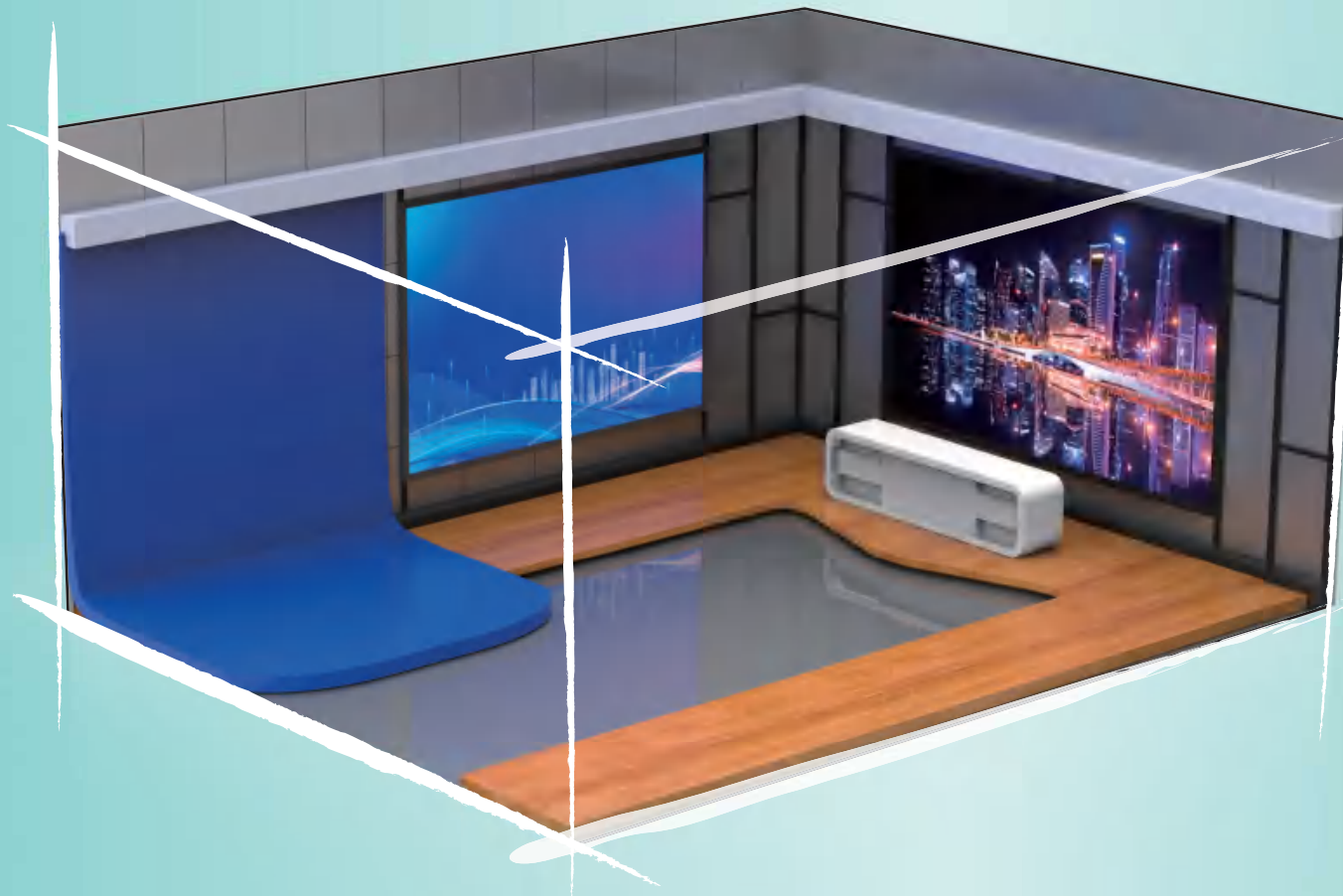
100W Bi-color Fanless COB Fresnel LED Light

- ◆ 100W ultra bright COB LED light
- ◆ 12°-26° Spot/Flood angle adjust
- ◆ Fanless, absolutely silent
- ◆ 0-100% flick-free dimming
- ◆ 2700K-6500K continuously adjust
- ◆ DMX512 controlled color and dimmer
- ◆ USB power out for wireless DMX receiver
- ◆ LCD display color temp, dimmer, DMX addr
- ◆ PowerCON TRUE1 AC in and loop out
- ◆ Overheat detection and protection



The Multi-Scenes Broadcast Studios

Floor height 3.5 - 6m / 11.5 - 20ft



3.5m~6m



Recommended Lights

Uniform Distribution Larger Beam Angle



Recommended
Panel Light

CL-120D

120W

3,700Lux@1m
Large Panel



Recommended
Fresnel Light

FL-C100D

100W

55,000Lux@1m
Fanless, Silent

c The Multi-Scenes Broadcast Studios

CL-120D x38
FL-C100D x16



CL-120D

120W Bi-color Light Weight SMD Panel LED Light

- ◆ 1800pcs ultra bright long-life LEDs
- ◆ 2700K-6500K continuously adjustable
- ◆ 120W power, 3700Lux @ 1meter
- ◆ 0-100% flick-free dimming
- ◆ CRI Ra 98, TLCI 99
- ◆ DMX512 controlled color and dimmer
- ◆ LCD display color and dimmer value
- ◆ Power by V-mt battery or AC-DC adaptor
- ◆ 4-leaf metal barn doors and Yoke bracket
- ◆ Optional 45° honeycomb (LA-G120)



FL-C100D

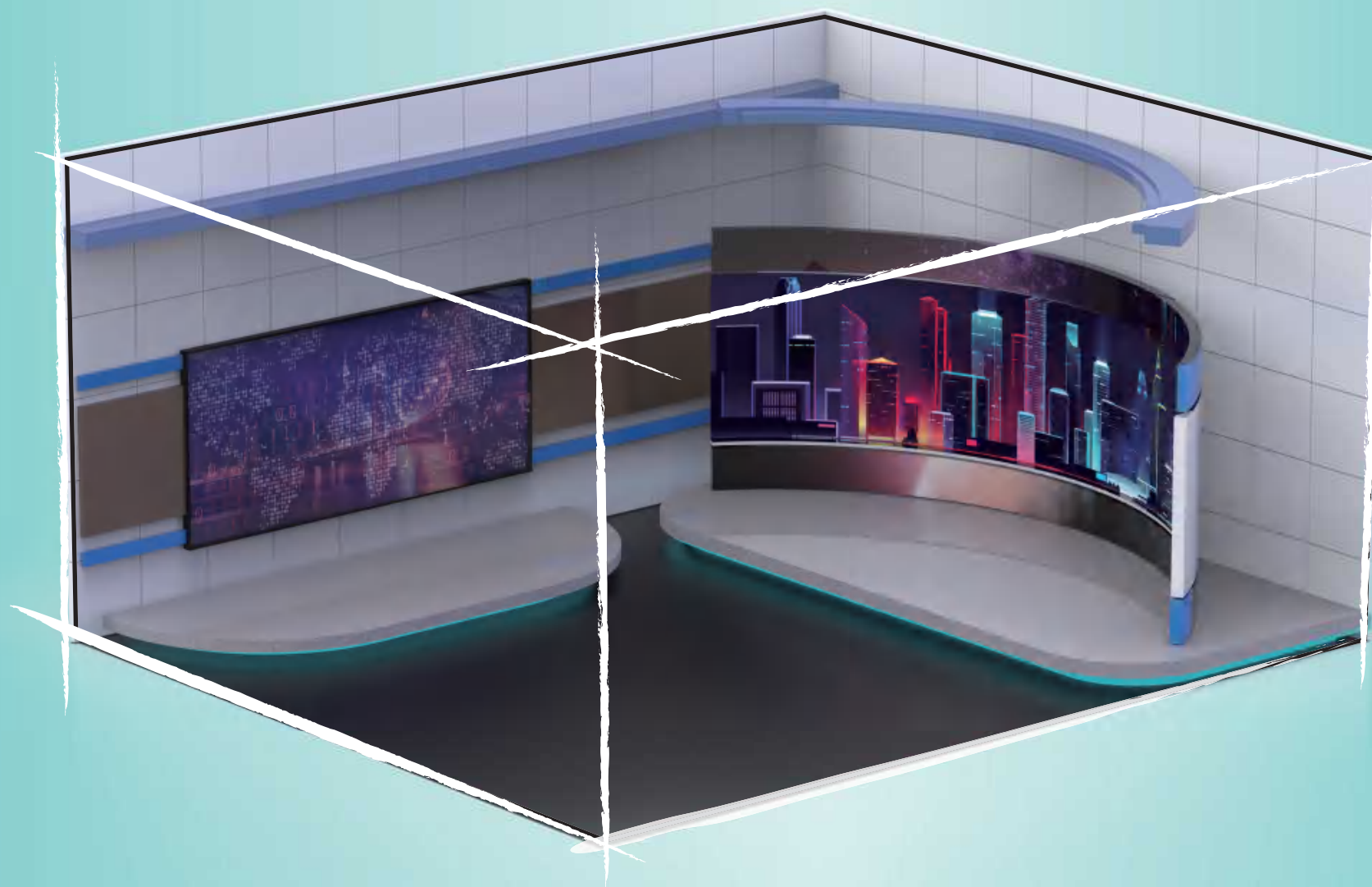
100W Bi-color Fanless COB Fresnel LED Light

- ◆ 100W ultra bright COB LED light
- ◆ 12°-26° Spot/Flood angle adjust
- ◆ Fanless, absolutely silent
- ◆ 0-100% flick-free dimming
- ◆ 2700K-6500K continuously adjust
- ◆ DMX512 controlled color and dimmer
- ◆ USB power out for wireless DMX receiver
- ◆ LCD display color temp, dimmer, DMX addr
- ◆ PowerCON TRUE1 AC in and loop out
- ◆ Overheat detection and protection



The Large Scale Broadcast Studios

Floor height over 6m / 20ft



Over 6m



Recommended
Panel Light
PL-S150D
150W
High Intensity
5,500Lux@1m



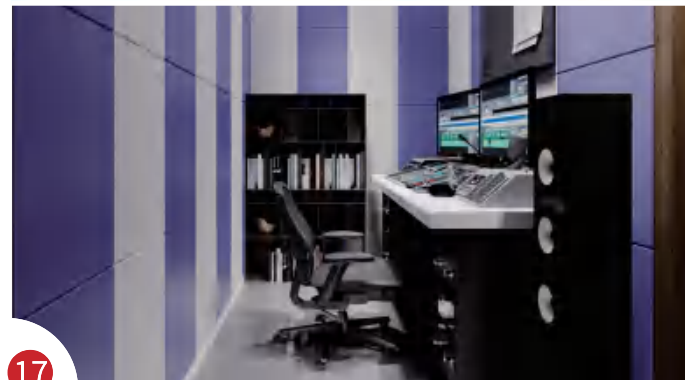
Recommended
Fresnel Light
FL-C200D
200W
15-50° E-motor
65,000Lux@1m

Recommended Lights

High Intensity and Accurate Color Temp

D The Large Scale Broadcast Studios

PL-S150D	x62
FL-C200D	x28



PL-S150D 150W Bi-color High Intensity SMD Panel LED Light

- ◆ 1152pcs ultra bright long-life LEDs
- ◆ 2×1' size 150W, 5500Lux @ 1m ultra bright
- ◆ 2700K-6500K continuously adjustable
- ◆ 0-100% Smooth non-linear flick-free dimming
- ◆ CRI Ra 97, TLCI 99, SSI (D55) 73
- ◆ DMX512 controlled color and dimmer
- ◆ USB power out for wireless DMX receiver
- ◆ LCD display color and dimmer value
- ◆ All-metal housing with 4-leaf barn doors
- ◆ Optional 40° honeycomb (LA-GS150)



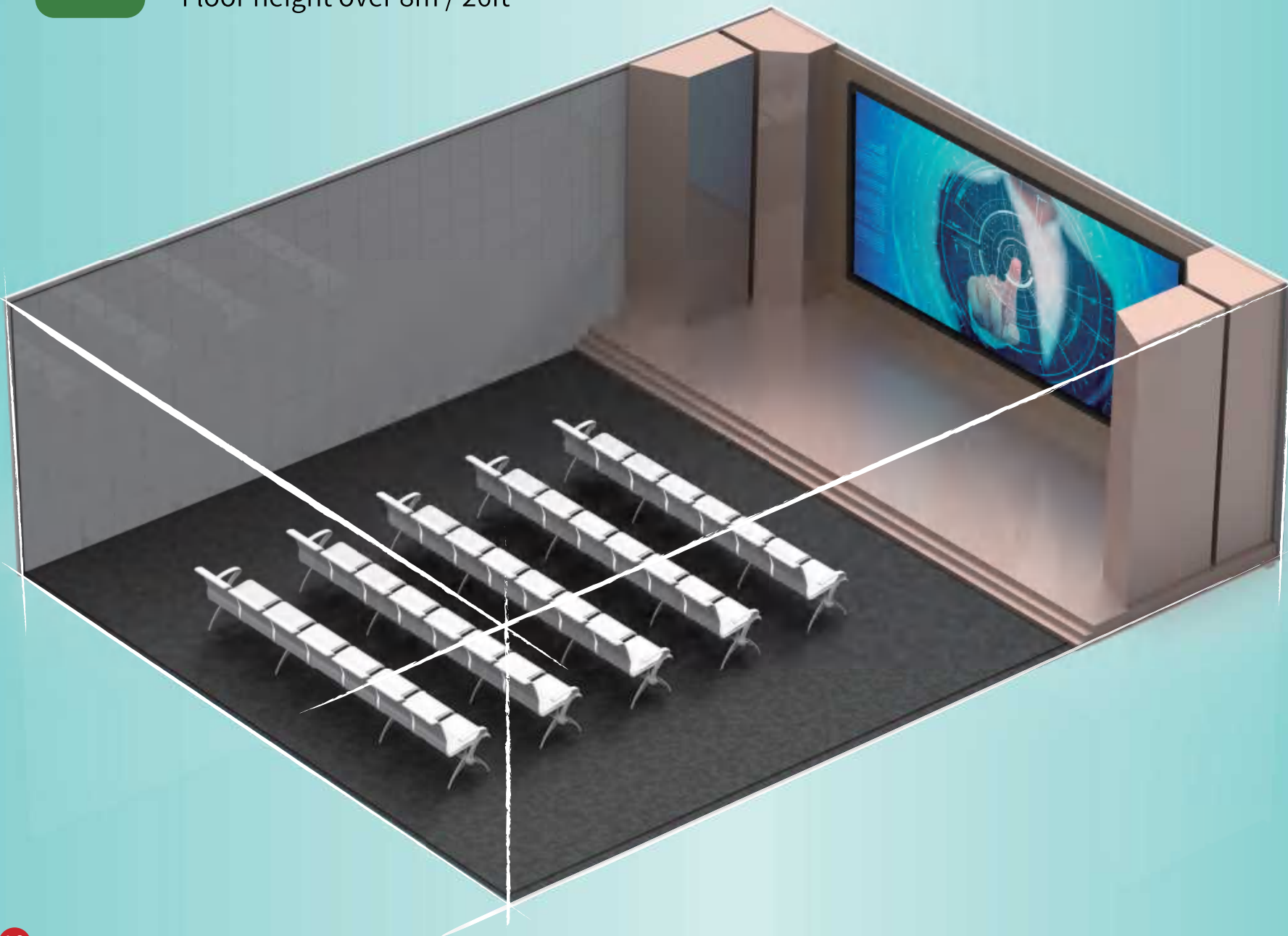
FL-C200D 200W Bi-color High Intensity COB Fresnel LED Light

- ◆ 200W ultra bright COB LED light
- ◆ 15°-50° Spot/Flood adjust
- ◆ Optional E-motor spot angel adjust
- ◆ 65,000Lux luminance @ 15° / 1 meter
- ◆ 2700K-6500K continuously adjustable
- ◆ Silent mode by fans switching off
- ◆ 0-100% flick-free dimming
- ◆ CRI 97; TLCI 99; SSI(D55) 75
- ◆ DMX: Color temp, Dimmer & Fan on/off
- ◆ DMX: Spot/Flood angle (Optional E-motor)
- ◆ USB power out for wireless DMX receiver
- ◆ Preset light effects with speed adjustment
- ◆ LCD display Menu operating system
- ◆ PowerCON TRUE1 AC in and loop out



The Conference Hall / Stage

Floor height over 8m / 26ft



Over 8m



Recommended Lights

Extremely High Intensity



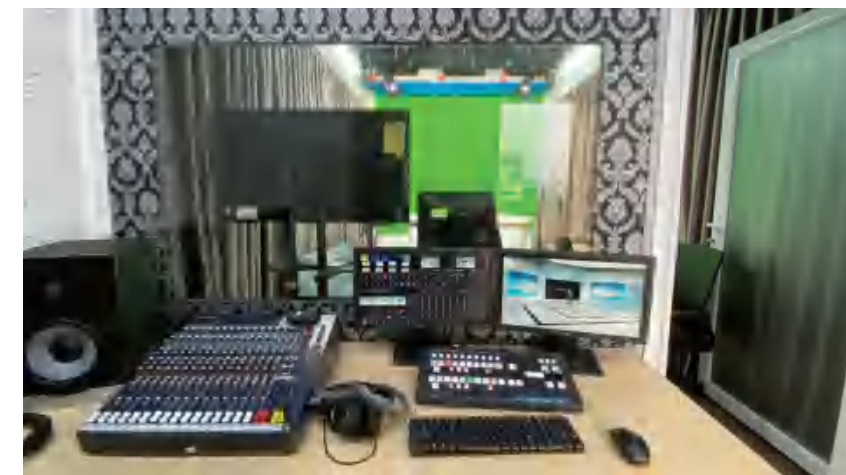
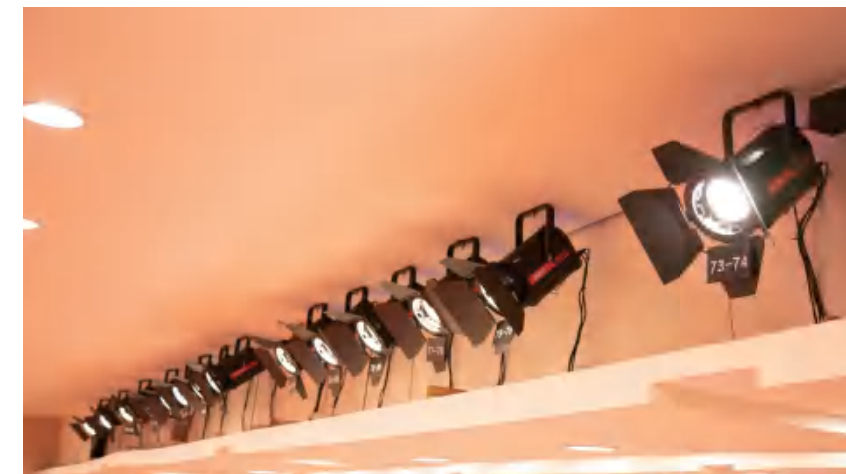
Recommended
Panel Light
PL-S150D
150W
High Intensity
5,500Lux@1m



Recommended
Fresnel Light
FL-C400D
400W
15-50° E-motor
130,000Lux@1m

E The Conference Hall / Stage

PL-S150D	x120
FL-C400D	x48



PL-S150D

150W Bi-color High Intensity SMD Panel LED Light

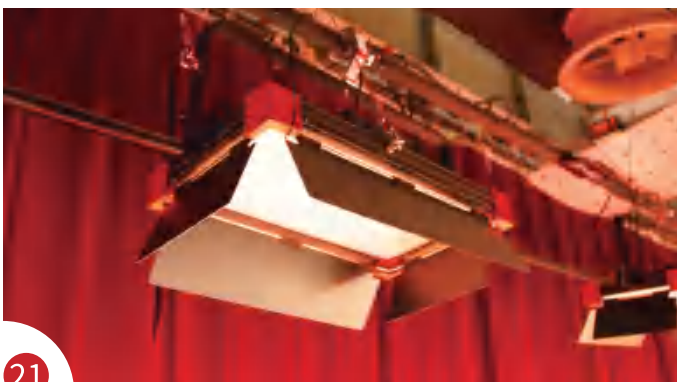
- ◆ 1152pcs ultra bright long-life LEDs
- ◆ 2×1' size 150W, 5500Lux @ 1m ultra bright
- ◆ 2700K-6500K continuously adjustable
- ◆ 0-100% Smooth non-linear flick-free dimming
- ◆ CRI Ra 97, TLCI 99, SSI (D55) 73
- ◆ DMX512 controlled color and dimmer
- ◆ USB power out for wireless DMX receiver
- ◆ LCD display color and dimmer value
- ◆ All-metal housing with 4-leaf barn doors
- ◆ Optional 40° honeycomb (LA-GS150)



FL-C400D

400W Bi-color High Intensity COB Fresnel LED Light

- ◆ 400W ultra bright COB LED light
- ◆ 15°-50° Spot/Flood adjust
- ◆ Optional E-motor spot angel adjust
- ◆ 130,000Lux luminance @ 15° / 1 meter
- ◆ 2700K-6500K continuously adjustable
- ◆ Silent mode by fans switching off
- ◆ 0-100% flick-free dimming
- ◆ CRI 97; TLCI 99; SSI(D55) 75
- ◆ DMX: Color temp, Dimmer & Fan on/off
- ◆ DMX: Spot/Flood angle (Optional E-motor)
- ◆ USB power out for wireless DMX receiver
- ◆ Preset light effects with speed adjustment
- ◆ LCD display Menu operating system
- ◆ PowerCON TRUE1 AC in and loop out



Panel Lights Specs



CL-100



CL-100D



CL-M100D



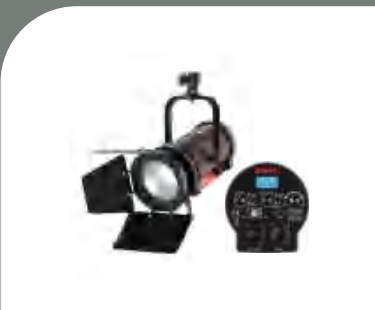
CL-120D



PL-S150D

Model	CL-100	CL-100D	CL-M100D	CL-120D	PL-S150D
LED	720pcs SMD LEDs	1440pcs SMD LEDs	576pcs SMD LEDs	1800pcs SMD LEDs	1152pcs SMD LEDs
Luminance	3300Lux @ 1m	3300Lux @ 1m	3400Lux @ 1m	3700Lux @ 1m	5500Lux @ 1m
Beam angle	Half-peak 65°	Half-peak 65°	Half-peak 62°	Half-peak 65°	Half-peak 64°
Color temperature	5600K	2700K-6500K	2700K-6500K	2700K-6500K	2700K-6500K
Color Rendering	CRI 97; TLCI 99; SSI(D55) 75	CRI 97; TLCI 99; SSI(D55) 75	CRI 98; TLCI 99; SSI(D55) 73	CRI 98; TLCI 99	CRI 97; TLCI 99; SSI(D55) 73
DMX	5-pin XLR DMX in&out	5-pin XLR DMX in&out	5-pin XLR DMX in&out	5-pin XLR DMX in&out	5-pin XLR DMX in&out
Power	100W	100W	100W	120W	150W
Input voltage	AC100V-240V 50/60Hz PowerCON True1 in&out	AC100V-240V 50/60Hz PowerCON True1 in&out	AC100V-240V 50/60Hz PowerCON True1 in&out 4-pin XLR DC 11-17V	4-pin XLR DC 11-17V	3-pin XLR DC 12-36V
Lighting area	435×195 mm	435×195 mm	245×146mm	600×310mm	484×242 mm
Dimension	480×240×87 mm	480×240×87 mm	275×173×130mm	644×354×73.5mm	543×301×58 mm
Weight	3.2kg	3.2kg	5.6kg	4.7kg	5.8kg

Fresnel Lights Specs



FL-C60D



FL-C100



FL-C100D



FL-C200D



FL-C400D

Model	FL-C60D	FL-C100	FL-C100D	FL-C200D	FL-C400D
LED	60W COB-LED	100W COB-LED	100W COB-LED	200W COB-LED	400W COB-LED
Spot angle	15° - 60°	12° - 26°	12° - 26°	15° - 50°	15° - 50°
E-motor	Built-in	No	No	Optional install	Optional install
Luminance	25,000Lux @ 1m (spot)	60,000Lux @ 1m (spot)	55,000Lux @ 1m (spot)	65,000Lux @ 1m (spot)	130,000Lux @ 1m (spot)
Color Temperature	2700K - 8000K	5600K	2700K - 6500K	2700K - 6500K	2700K - 6500K
Color Render	CRI 95; TLCI 97	CRI 96; TLCI 97	CRI 97; TLCI 99; SSI(D55) 75	CRI 97; TLCI 99; SSI(D55) 75	CRI 97; TLCI 99; SSI(D55) 75
DMX	5-pin XLR DMX in	5-pin XLR DMX in&out	5-pin XLR DMX in&out	5-pin XLR DMX in&out	5-pin XLR DMX in&out
Power In & Out	4-pin XLR DC11-36V in	AC100V-240V 50/60Hz PowerCON True1 in&out	AC100V-240V 50/60Hz PowerCON True1 in&out	AC100V-240V 50/60Hz PowerCON True1 in&out	AC100V-240V 50/60Hz PowerCON True1 in&out
Dimension	111×120×235mm	160×160×364mm	160×160×364mm	175×175×400mm	175×175×400mm
Weight	2.1kg	5.2kg	5.2kg	6.2kg	6.2kg

DMX Console



LA-R240 24-ch DMX512 Light Console

- ◆ Standard DMX512 signal control with isolater
- ◆ 24x channel sliders, 6x Group sliders, 1x Master slider
- ◆ Up to 4 units series connection, Max 96 channels control
- ◆ Support flash control buttons for each slider
- ◆ 3-pin XLR DMX in and loop out
- ◆ 1x USB-A power output
- ◆ PowerCON AC 88-256V wide input and loop out
- ◆ 19-inch rack mountable size

LA-R480 48-ch DMX512 Light Console

- ◆ Standard DMX512 signal control with isolater
- ◆ 24x channel sliders, 6x Group sliders, 1x Master slider
- ◆ Page A/B switch to support 48 channels control
- ◆ Up to 4 units series connection, Max 192 channels control
- ◆ Support flash control buttons for each slider
- ◆ 3-pin XLR DMX in and loop out
- ◆ 1x USB-A power output
- ◆ PowerCON AC 88-256V wide input and loop out
- ◆ 19-inch rack mountable size

LA-R960 96-ch DMX512 Light Console

- ◆ Standard DMX512 signal control with isolater
- ◆ 48x channel sliders, 12x Group sliders, 1x Master slider
- ◆ Page A/B switch to support 96 channels control
- ◆ Page A/B/C switch to support 36 groups control
- ◆ Support flash control buttons for each slider
- ◆ 3-pin XLR DMX in and loop out
- ◆ 5x USB-A power output
- ◆ PowerCON AC 88-256V wide input and loop out



IP54 Rainproof



Ultra Slim RGBW