



ADD AMBIANCE AND VALUE TO OUR CITY

Architectural Lighting



LED Architectural Lighting

LED Architectural Lighting has become a trend to decorate the outline of the building to outstand it from the crowd. This is one of the most powerful channels for advertising, brand building, message delivery and attracting those who passed by to maximize media value. It also creates a fantastic appearance of the building. They are widely used for various outdoor applications including commercial buildings, shopping malls, hotels, architectural structure, casinos, stadiums, residential buildings, exhibition halls, art galleries and entertainment centres and etc.

Architectural Lighting

A-deco 3dot

A-deco 9dot

M-deco M64

A-debar

C-bar

H-bar

UFO

Hypershot

A-deco

RGB
Outdoor
3dot MP
String

Vitalize the building through innovative lighting designs. Series of media contents and image display is realized through individually controlled LED module. RGB products display outstanding pictures as linear LED fixture complying with the customer's needs.



GE-DEC03NF
Terracotta Type



GE-DEC03NF



FEATURES

- Individual control is manageable by assigning different address codes to respective LED module.
- Not only simple color display by governing DMX & video controller, but also complex movement of light and picture display is possible.
- It is waterproofed for outdoor usage and structured with flexibility for unlimited installation.

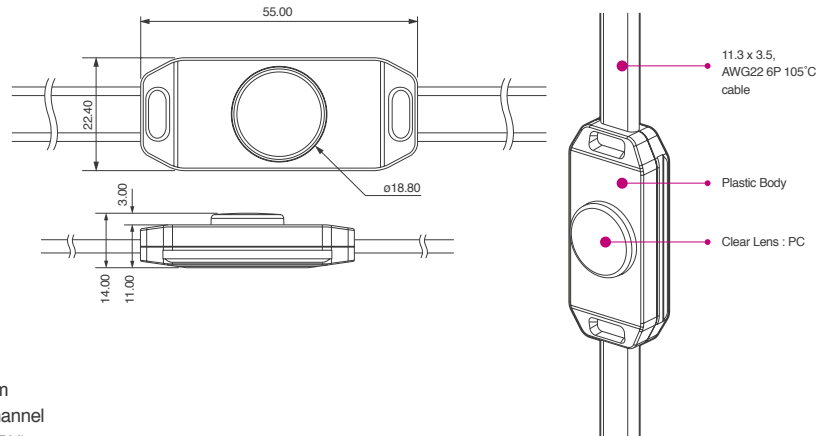
TECHNICAL SPECIFICATIONS

Parameter	Value	
Size	55 x 22.4 x 13.8mm (T)	
Lamp	Nichia 3 in1 full color LED 3ea	
Brightness	Pixel Brightness : 19.47 lm / 6.88 cd	100mm Dot pitch
	Lv : 688 cd/m ²	
Viewing angle	110°± 2°	
Color range	16.7 million 48-bit (64-bit)	
Power capacity	0.9 W/node, 27 W/string	
Input voltage	13.5V DC	From DC-DC Module
Main power source	48V DC	From SMPS
Addressing	Auto Address Setting	
Control	DMX 512/ Video Control	
Rating	IP66	
Operating temp.	-20°C to 50°C	
Storage temp.	-30°C to 80°C	
Weight	19.5g	With cable 500mm
Material	Plastic Body & Clear Lens	
Pixel pitch	75 to 1200mm pitch	
Dot connection	20 to 30 dots/string, 75 to 300 pitch	
	15 dots/string, 300 to 1200 pitch	
Max. connection	6 strings (with LPU & DPU)	



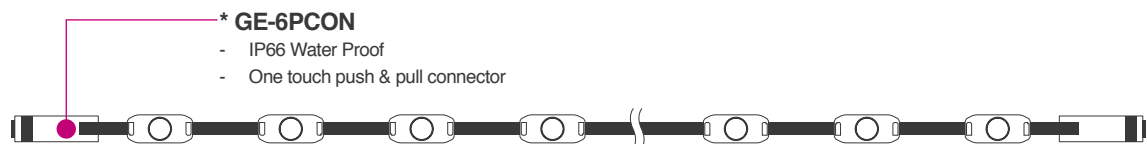
PRODUCT DRAWING

DIMENSIONS



* String

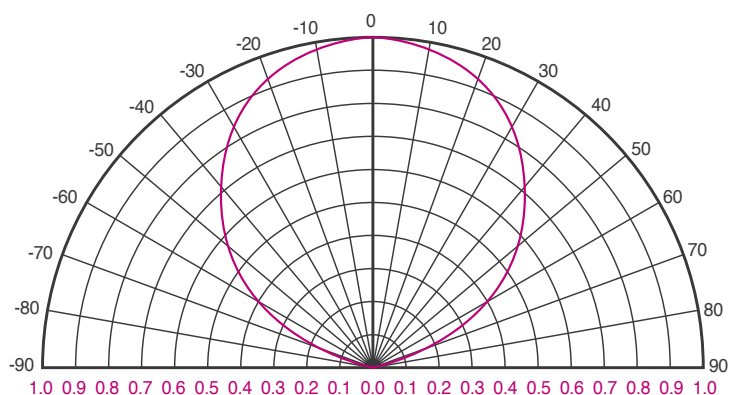
- Max. 30 nodes/string
- Pixel Pitch : 75 to 1200mm
- Max. Control: 120 nodes/channel
(with LPU&DPU)



OPTICAL SPECIFICATION

LUMINOUS FLUX

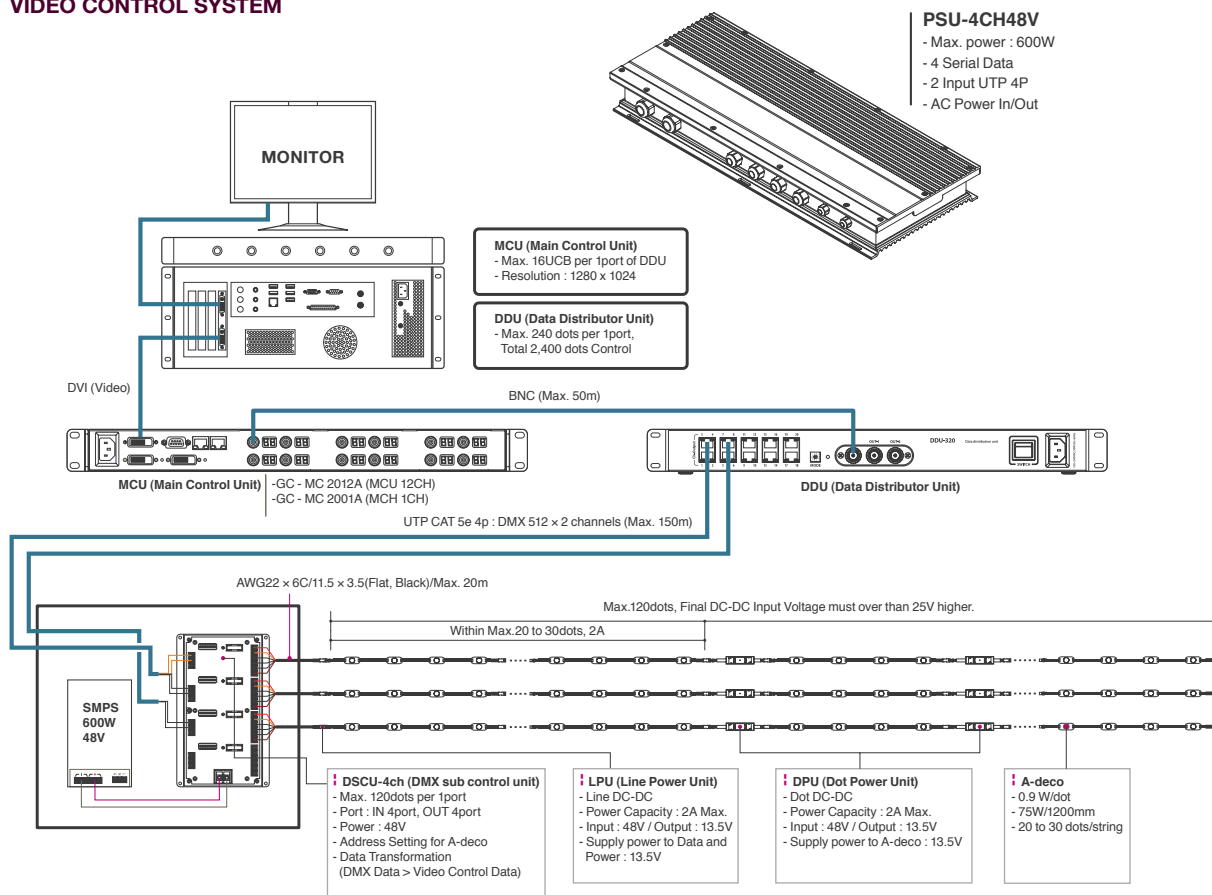
- Beam Angle (50% Max.) : 110°
- Brightness (nit) : 688 cd/m²
(Node Pitch of 100mm)



Color	Lumens (lm)	Candela (cd)	Power (W)	Efficiency (lm/W)
WHITE	19.47	6.88	0.9	21.6
RED	5.63	1.80	0.3	18.76
GREEN	10.05	4.00	0.3	33.5
BLUE	3.57	1.21	0.3	11.9

SYSTEM BLOCK DIAGRAM

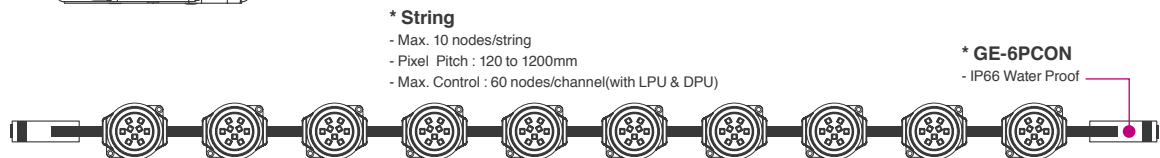
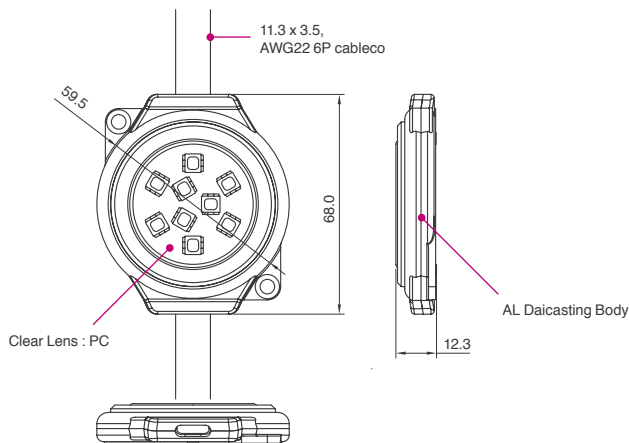
VIDEO CONTROL SYSTEM



A-deco

RGB
Outdoor
9dot HP
String

Vitalize the building through innovative lighting designs. Series of media contents and image display is realized through individually controlled LED module. RGB products display outstanding pictures as linear LED fixture complying with the customer's needs.



TECHNICAL SPECIFICATIONS

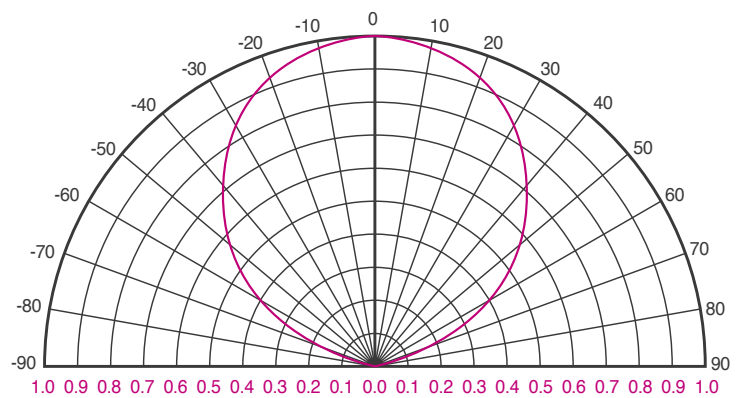
Parameter	Value
Size	ø60 x 12.3mm (T)
Lamp	Nichia 3 in1 full color LED 9ea
Brightness	Pixel Brightness : 52.03 lm / 18.78 cd Lv : 1,878 cd/m ²
Viewing angle	110° ± 2°
Color range	16.7 million 48-bit (64-bit)
Power capacity	2.7 W/node, 27 W/string
Input voltage	13.5V DC
Main power source	48V DC
Addressing	Auto Address Setting
Control	DMX 512/ Video Control
Rating	IP66
Operating temp.	-20°C to 50°C
Storage temp.	-30°C to 80°C
Weight	85g
Material	Aluminum Body & Clear Lens
Pixel pitch	120 to 1200mm pitch
Dot connection	10 dots/string, 300 to 1200 pitch
Max. connection	6 strings (with LPU & DPU)



OPTICAL SPECIFICATION

LUMINOUS FLUX

- Beam Angle (50% Max.) : 110°
- Brightness (nit) : 1,878 cd/m²
(Node Pitch of 100mm)

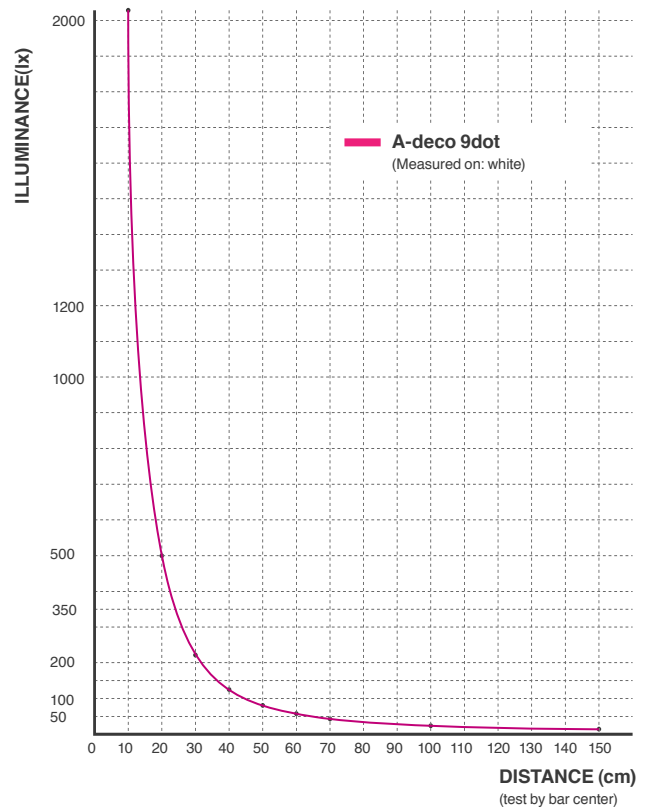


Color	Lumens (lm)	Candela (cd)	Power (W)	Efficiency (lm/W)
WHITE	52.03	18.78	2.7	19.27
RED	15.38	4.94	0.9	17.08
GREEN	27.43	10.93	0.9	30.47
BLUE	9.77	3.32	0.9	10.85

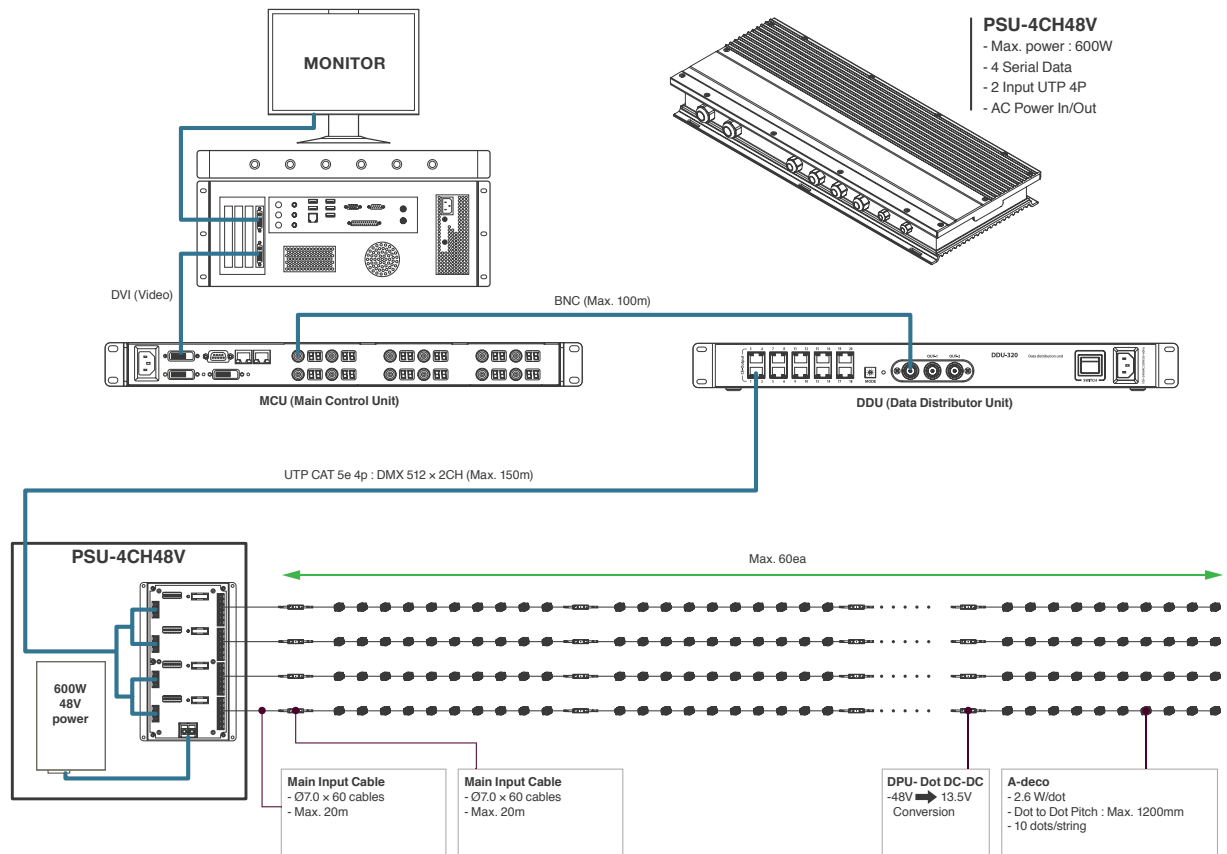
ILLUMINANCE

- Measured on : White
- Test by center of bar

Distance (cm)	Lux (lx)
10	2,020
30	222
60	55.5
100	22.3

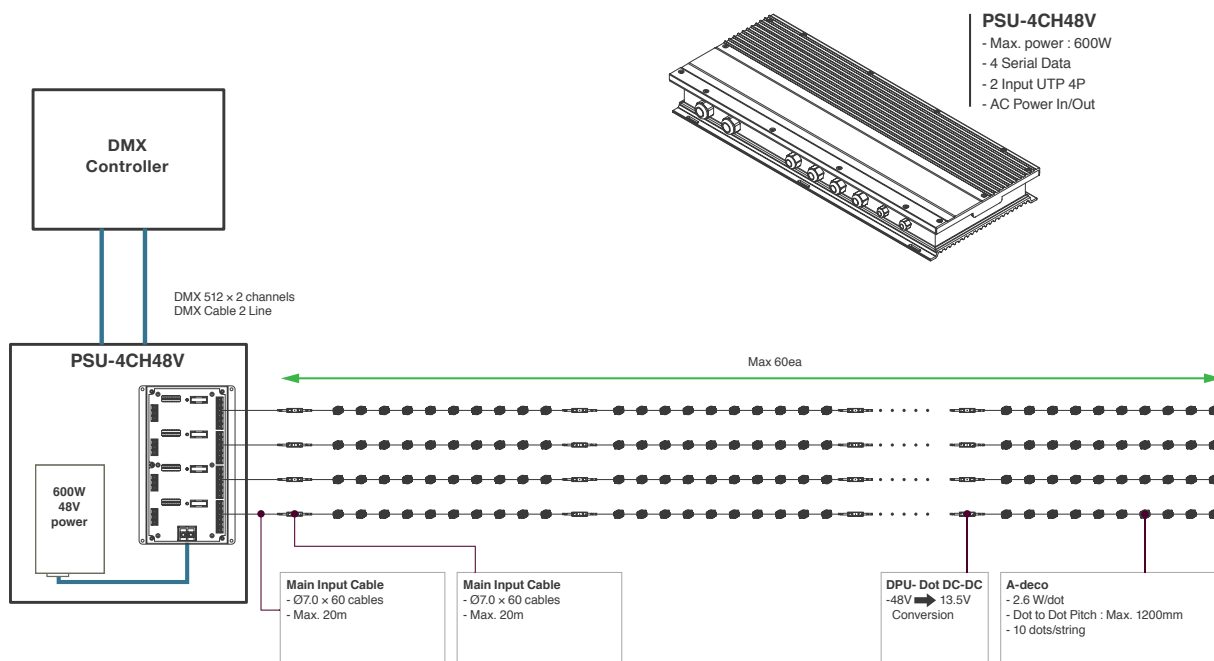


SYSTEM BLOCK DIAGRAM VIDEO CONTROL SYSTEM



SYSTEM BLOCK DIAGRAM

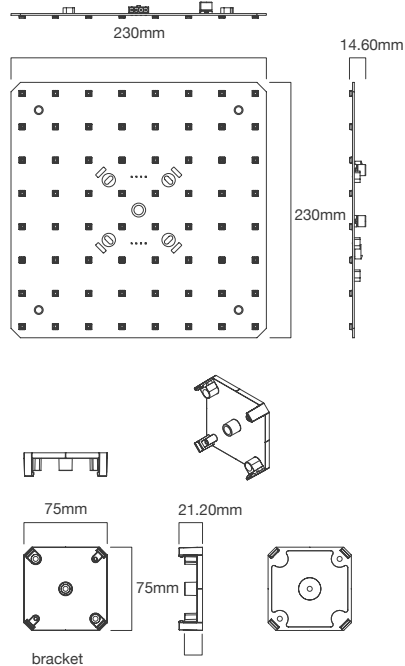
DMX CONTROL SYSTEM



M-deco

Indoor
RGB/White
M64 Module

This module is an efficient tool for dynamic communication and visual enhancement of a range of environments. C-plate beautifully reproduces full color medium resolution graphics text and video in indoor environments. The low-profile makes it ideal for placement behind solid or fabric diffusion material for softened image quality and evenly distributed light.



FEATURES

- Low profile: Ideal placement behind solid or fabric diffusion
- Simple connection with bracket: Designed offers a wide range of installation possibilities with bracket.

TECHNICAL SPECIFICATIONS

Parameter	M64 RGB	M64 White
Model number	GP-24SFI	GP-24SCI
Size	230mm(W) x 230mm(H) x 15mm(D)	230mm(W) x 230mm(H) x 15mm(D)
Lamp	3in1 Full Color SMD x 64	3in1 White SMD x 64
Brightness	480lm (120°optics)	1230lm (120°optics)
Viewing angle	120°	120°
Color range	3 x 16 bit (Gamma correction)	1 x 16 bit (Gamma correction)
Power capacity	24W	24W
Input voltage	DC 24V	DC 24V
Addressing	Auto Address Setting	Auto Address Setting
Control	DMX512 / Video Control	DMX512 / Video Control
Protection	Indoor	Indoor
Operating temp.	0°C to 40°C / 32°F to 104°F	0°C to 40°C / 32°F to 104°F
Storage temp.	-10°C to 60°C / 14°F to 140°F	-10°C to 60°C / 14°F to 140°F
Weight	250g / 0.55 lbs	250g / 0.55 lbs



OPTICAL SPECIFICATION

GP-24SFI

(M64_24W_RGB_Indoor_120D)

- Source :

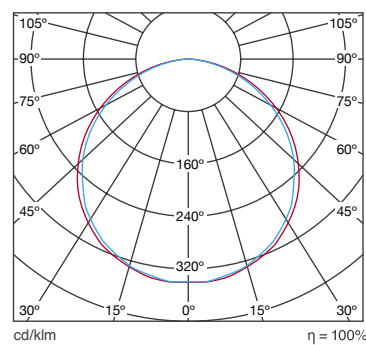
SMD LED (3in1 full color) x 64

- Beam angle (Optics): 120°

- Size : 230mm X 230mm

Polar Candela Distribution

Measured on White



Color	White	Red	Green	Blue
Lumens	486	158	282	53

Illuminance Distribution

Measured on White

0.8	2.39 2.56	E(0°) 258 E(C90) 56.2° 22 E(C0) 58.0° 19
1.6	4.78 5.12	E(0°) 65 E(C90) 56.2° 6 E(C0) 58.0° 5
2.4	7.17 7.68	E(0°) 29 E(C90) 56.2° 2 E(C0) 58.0° 2
3.2	9.56 10.24	E(0°) 16 E(C90) 56.2° 1 E(C0) 58.0° 1
4.0	11.95 12.80	E(0°) 10 E(C90) 56.2° 1 E(C0) 58.0° 1

Distance [m] Cone Diameter [m] Illuminance [lx]
 C0 - C180 C90 - C270
 (Half-value Angle: 116.0°) (Half-value Angle: 112.4°)
 Horiz. Spread: 116.0°
 Vert. Spread: 112.4°

GP-24SCI

(M64_24W_CW_Indoor_120D)

- Source :

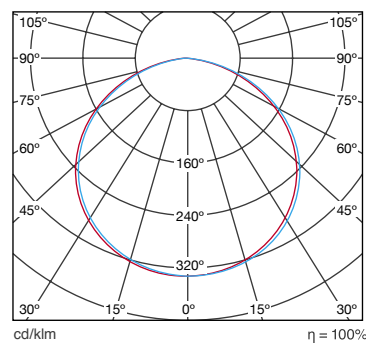
SMD White LED x 64

- Beam angle (Optics): 120°

- Size : 230mm X 230mm

Polar Candela Distribution

Measured on White



Color	White
Lumens	1226

Illuminance Distribution

Measured on White

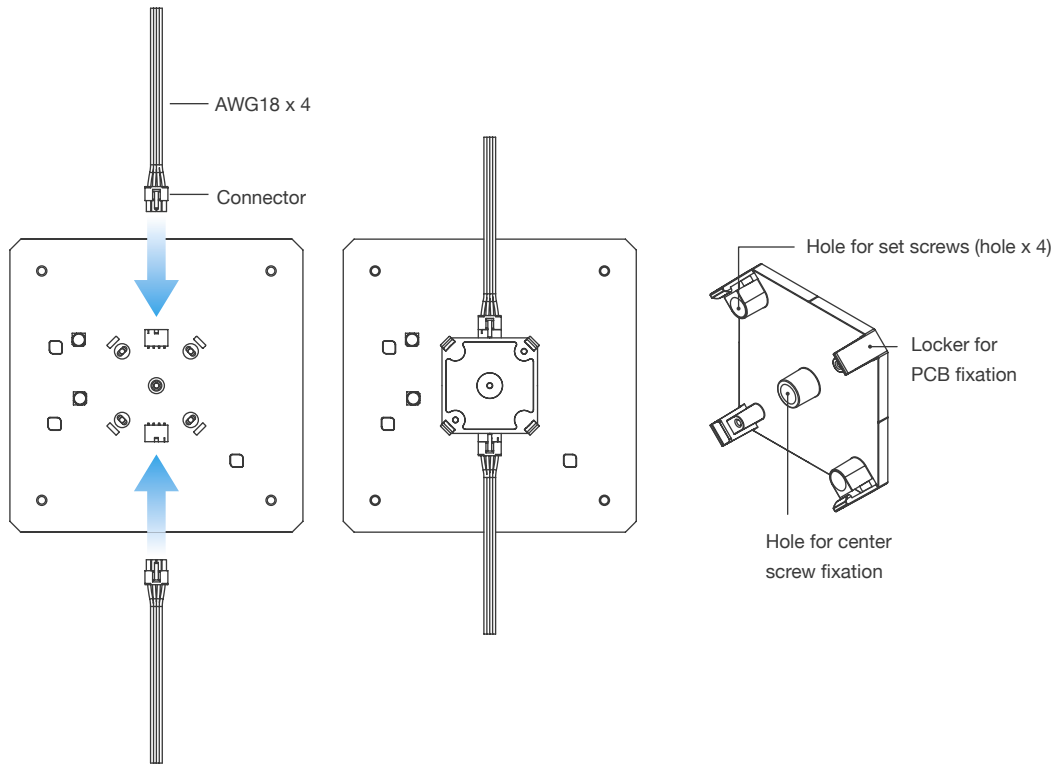
0.8	2.84 2.68	E(0°) 619 E(C90) 60.6° 37 E(C0) 59.2° 42
1.6	5.68 5.37	E(0°) 155 E(C90) 60.6° 9 E(C0) 59.2° 10
2.4	8.52 8.05	E(0°) 69 E(C90) 60.6° 4 E(C0) 59.2° 5
3.2	11.36 10.74	E(0°) 39 E(C90) 60.6° 2 E(C0) 59.2° 3
4.0	14.20 13.42	E(0°) 25 E(C90) 60.6° 1 E(C0) 59.2° 2

Distance [m] Cone Diameter [m] Illuminance [lx]
 C0 - C180 C90 - C270
 (Half-value Angle: 118.4°) (Half-value Angle: 121.2°)
 Horiz. Spread: 118.4°
 Vert. Spread: 121.2°

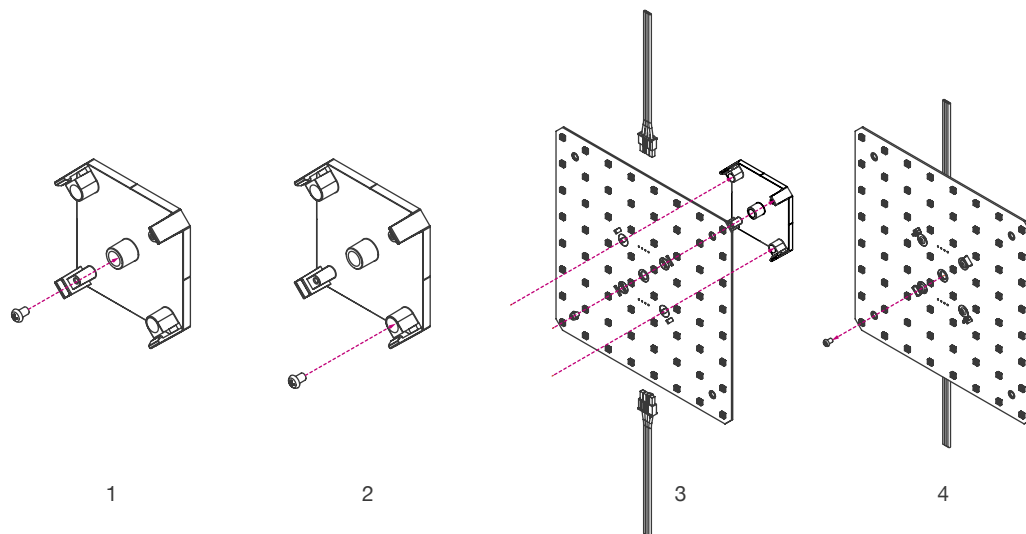
INSTALLATION

Fix the module by screwing with a center screw. Put the module to the right place and fix it with set screws.

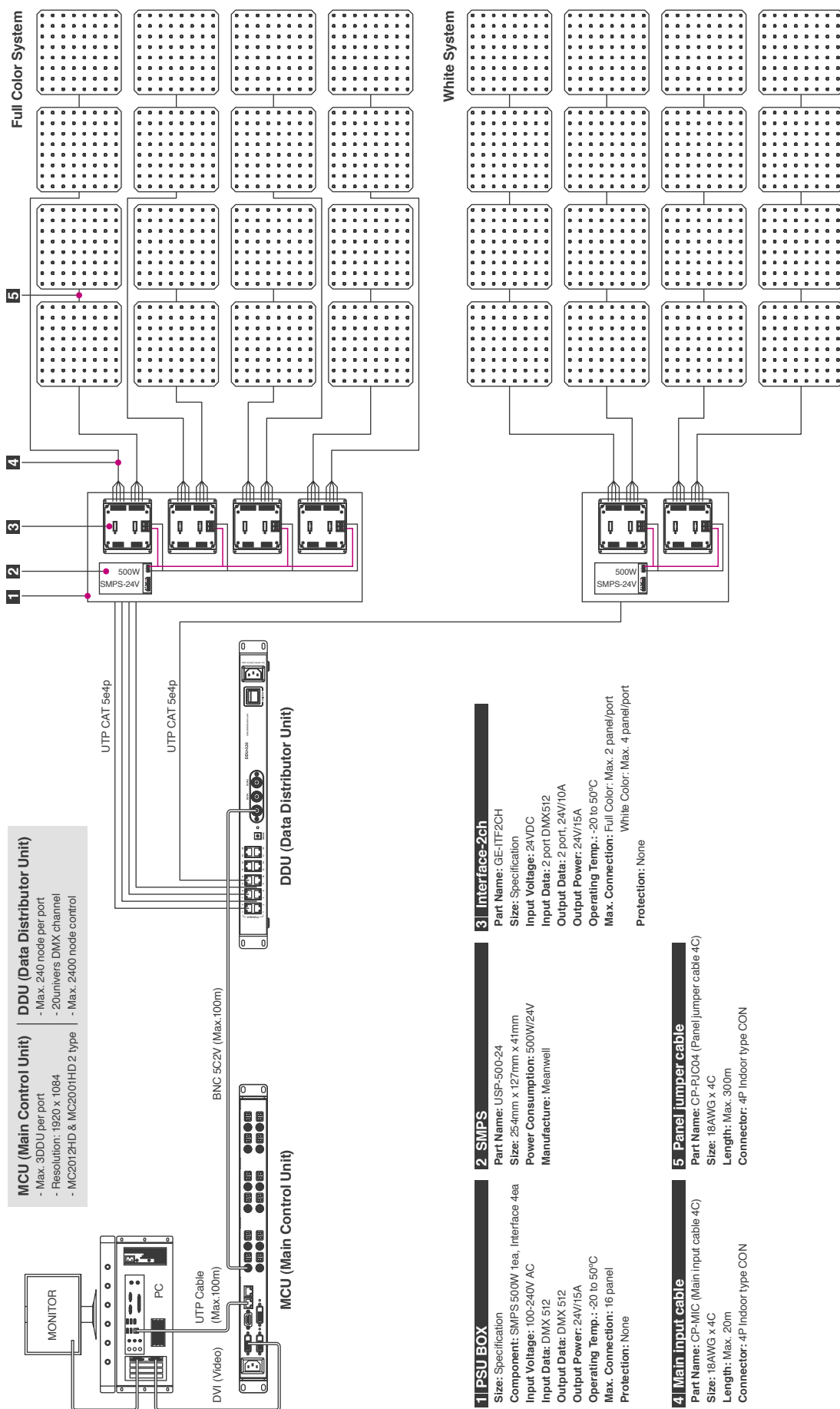
Placing PCB at the end of the process not only lessens the damage but also makes the disassemble easier. Additionally, it lessens the calculation errors and can be installed in 2 simple steps.



ADHESION METHOD ON THE WALL



1. Fix the module to the wall with a center screw
2. Control the horizontal side with a set screw. (Anywhere among 4 holes)
3. Put the PCB module.
4. Unwind the screw to disassemble without PCB desorption



A-debar

RGB
Outdoor
LED Strip

Colourize the building through innovative silm type, high-power lighting designs, series of media contents and image display is realized through individually controlled at pitch 25mm.



Milky Type

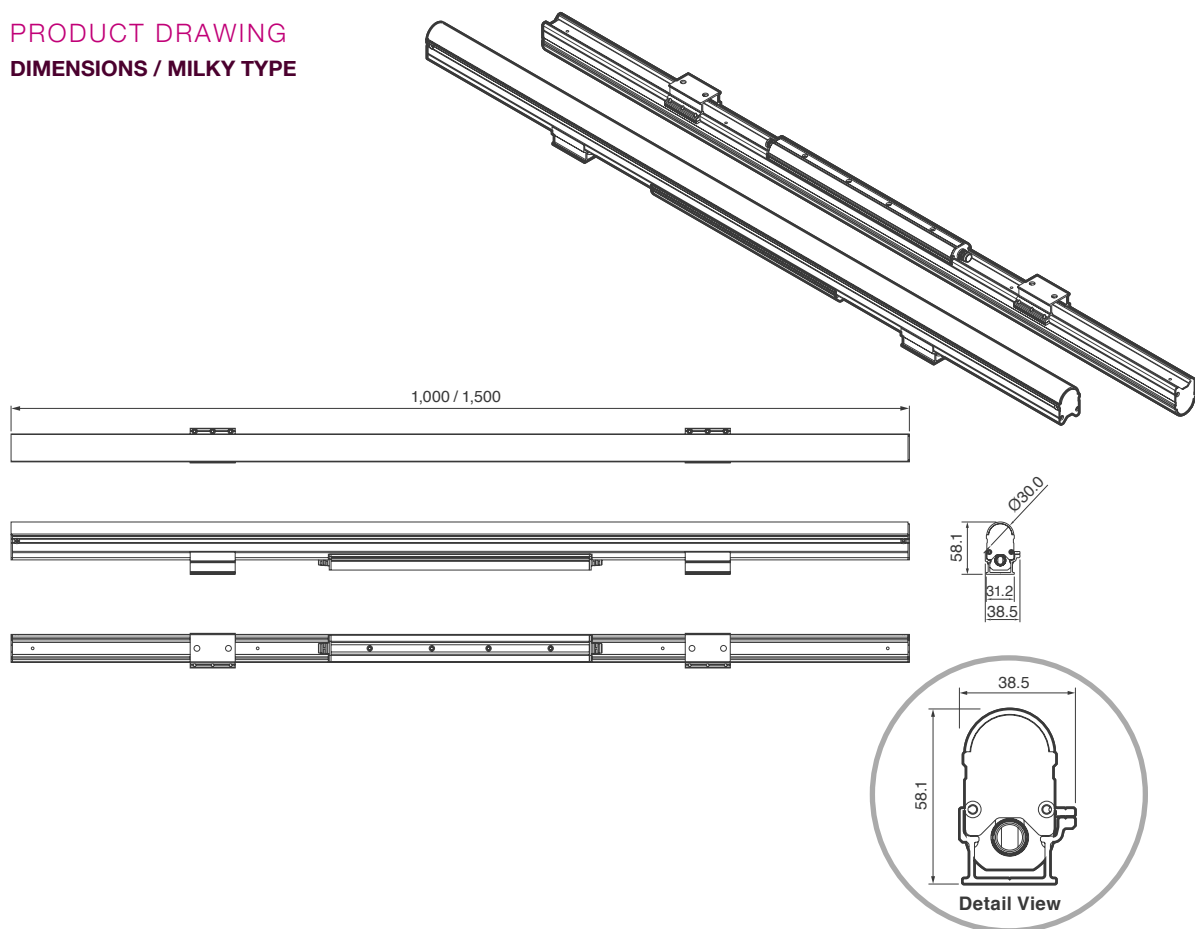
Clear Type

TECHNICAL SPECIFICATIONS

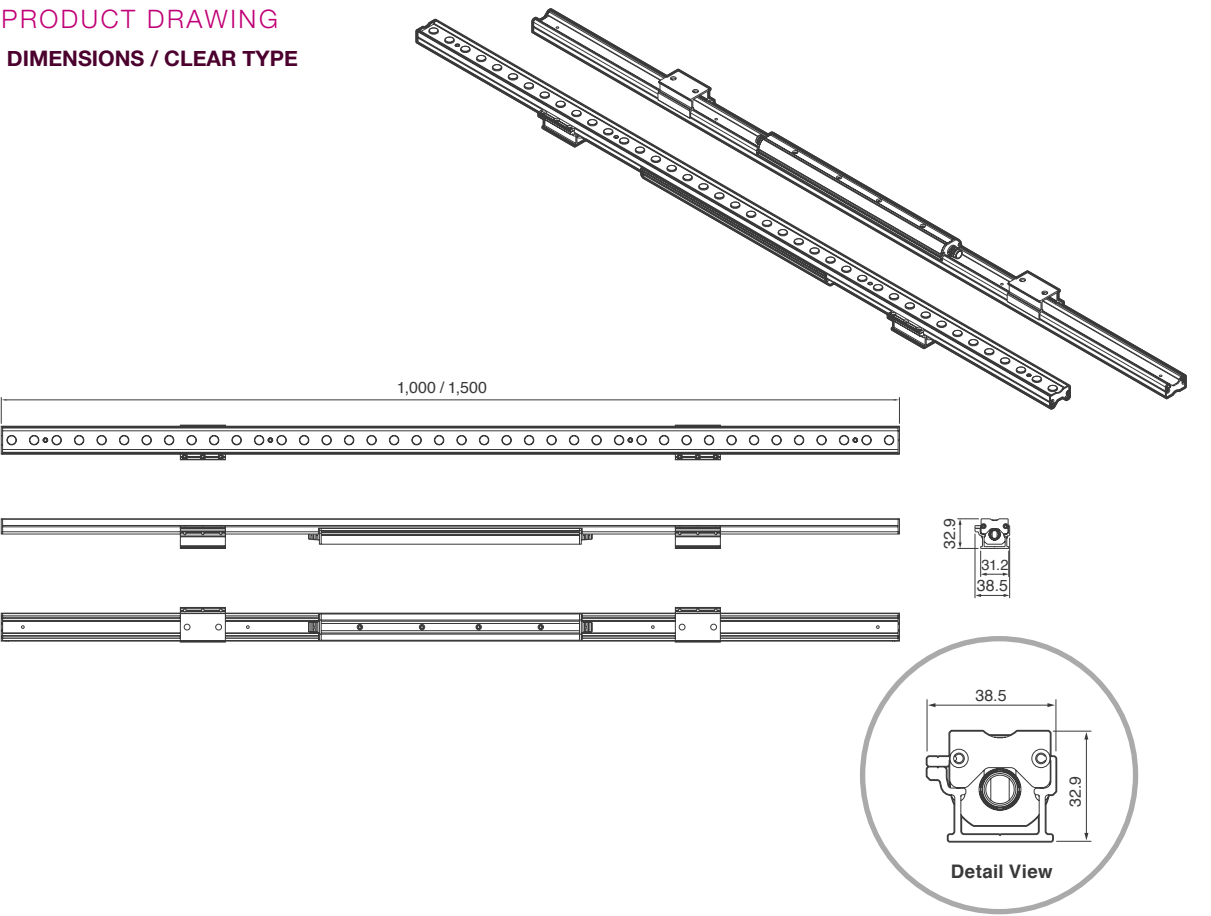
Parameter	Value		
Size	Length : 1,000mm	1,500mm	
	Milky Type : 38.5mm (D) x 58.1mm (T)		
	Clear Type : 38.5mm (D) x 32.9mm (T)		
Lamp	Nichia 3 in1 full color 40ea	60ea	
LED pitch	25mm		
Brightness	Clear : 3,200 cd/m²	Dot pitch of 25mm	
	Milky : 1,520 cd/m²		
Viewing angle	Clear : 120°, Milky : 140°		
Color range	16.7 million 8-bit (24-bit)		
Power capacity	14W	19W	
Input voltage	48V DC		
Addressing	Auto Address Setting		
Control	DMX 512 / Video Control		
Rating	IP66		
Operating temp.	-20°C to 50°C		
Storage temp.	-30°C to 80°C		
Weight	1,000g	1,400g	With bracket 2ea (40g)
Material	Clear : Aluminum Body & Clear Lens		
	Milky : Aluminum Body & Milk color PC		
Input cable	Max. 20m	Max. 20m	
Bar connection	Max. 4ea	Max. 2ea	160 Pixels/channel



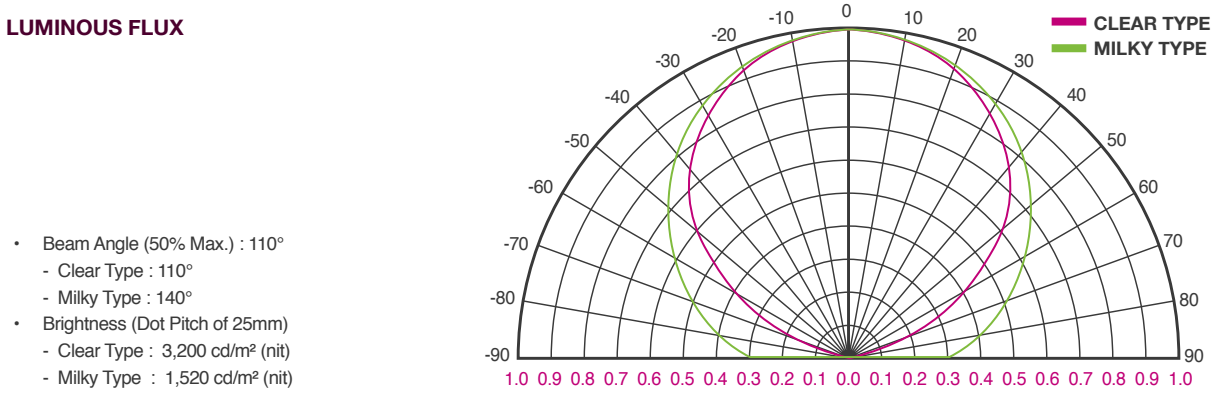
PRODUCT DRAWING
DIMENSIONS / MILKY TYPE



PRODUCT DRAWING
DIMENSIONS / CLEAR TYPE



OPTICAL SPECIFICATION
LUMINOUS FLUX



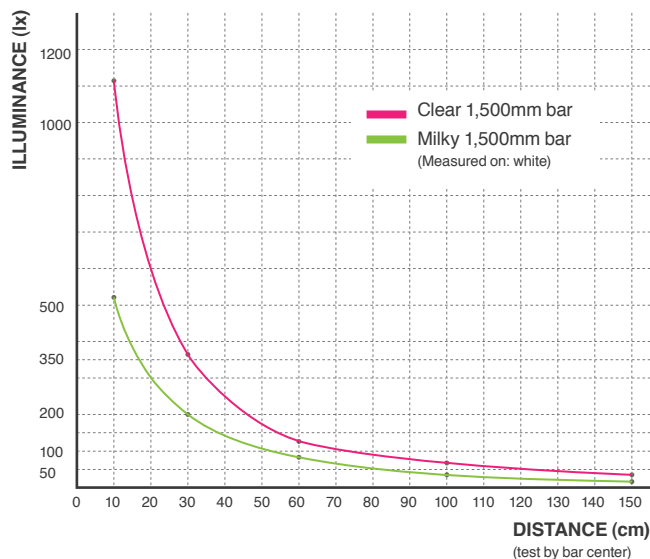
Product Type	Lumens (lm)	Power (W)	Efficiency (lm/W)
CLEAR	313	19	16.5
MILKY	220	19	11.5

* Measured on : White

ILLUMINANCE

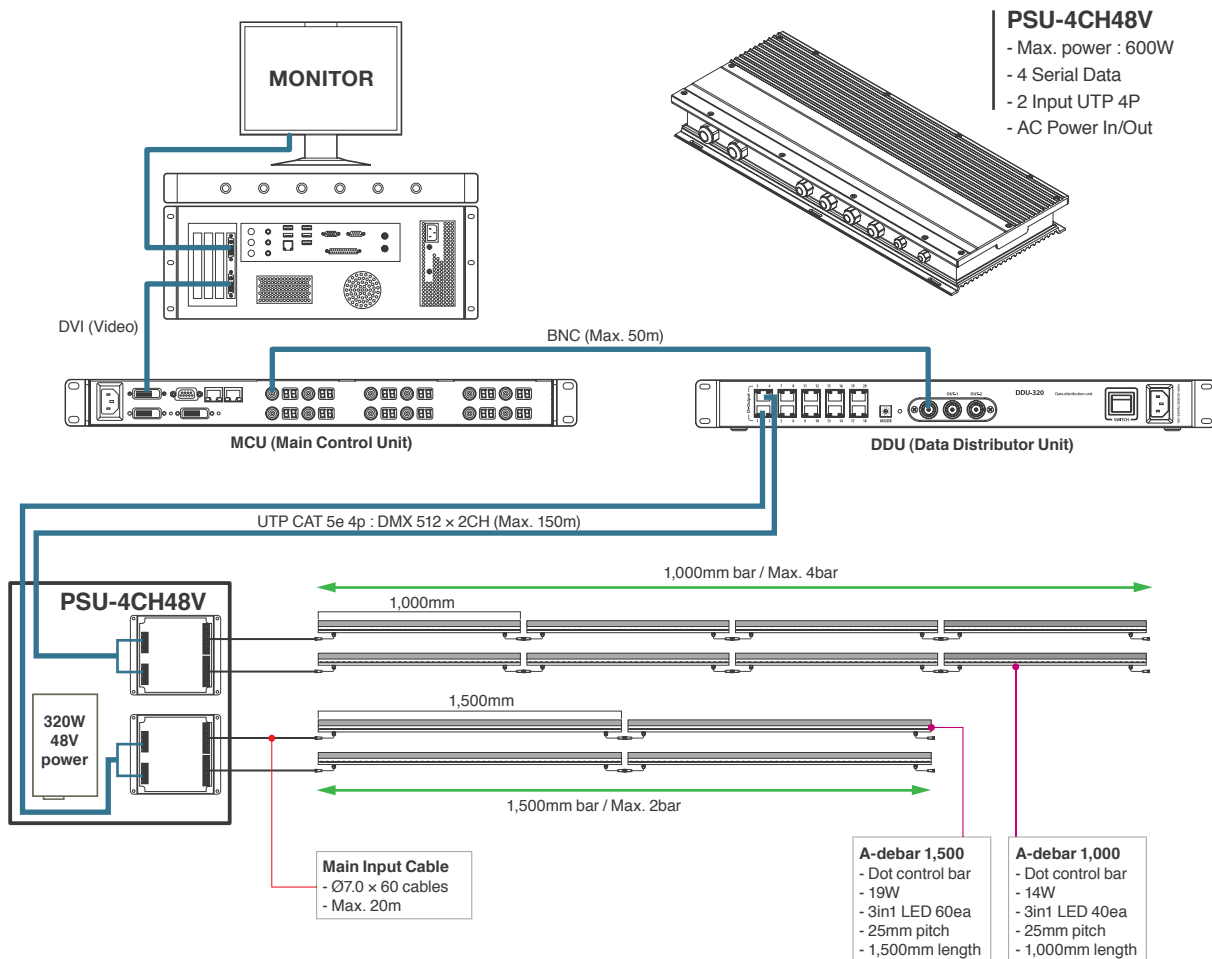
- Measured on : White
- Test by center of bar

Distance (cm)	Lux (lx)	
	Clear	Milky
10	1,126	527
30	367	191
60	123	79.9
100	67.3	37.3
150	34.7	19.6



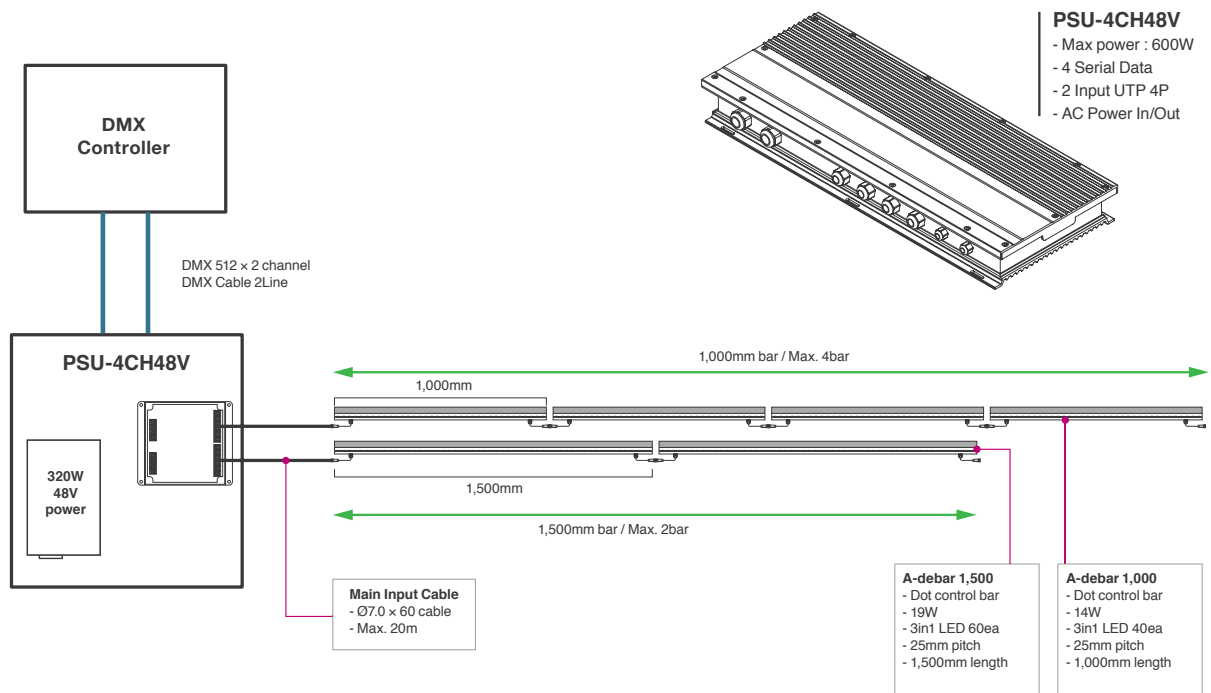
SYSTEM BLOCK DIAGRAM

VIDEO CONTROL SYSTEM



SYSTEM BLOCK DIAGRAM

DMX CONTROL SYSTEM



C-bar

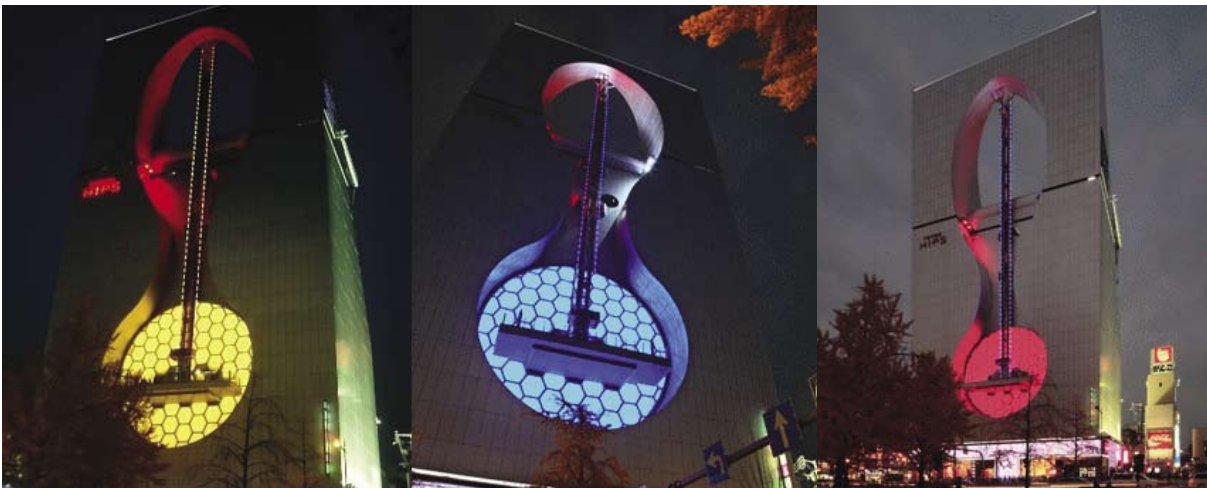
Indoor
RGB/White
LED Strip

This coloring-display standard of architectural lighting with its wide-angled light beam (115°) is most suitable for scenery lighting. Various display of lights through DMX (image) controller and easy installation in various architectural circumstances is possible.



FEATURES

As architectural lighting display device provides wide beam (viewing) angle, C-bar offers various lighting displays through DMX image controllers and easy installation under any environment.



TECHNICAL SPECIFICATIONS

Parameter	Value	
	C-bar	C-bar white
Color range	16.7 million (24-bit)	2,500k to 6,000k
Power consumption	Max. 6.5W	Max. 7.2W
LED lamp	Nichia 3 in 1 SMD (15pcs)	AM6, WW12, CW6
Beam angle	115°	
Case material	PC	
Dimension	300mm(W) x 38mm(H) x 29mm(D)	
Weight	120g	
Protection rate	Indoor Only	
Operation temp.	-20°C to +50°C	

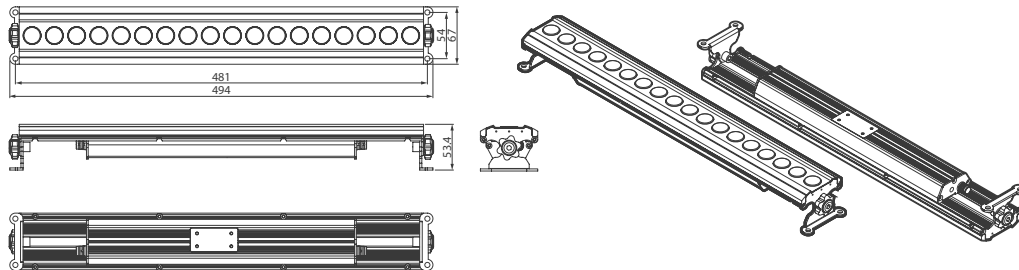
H-bar

RGB
Outdoor HP
Wallwasher

Vitalize the building through innovative lighting designs. Series of media contents and image display is realized through individually controlled LED module high power. RGB products display outstanding pictures as linear LED fixture complying with the customer's needs.



DIMENSIONS



FEATURES

Suitable for outdoor coloring and wall wash display. Precise lighting by adjusting the light beam angle up to 90° and various display of lights through DMX (image) controller is possible. Wiring route is simplified thanks to the embodied driver circuit.

TECHNICAL SPECIFICATIONS

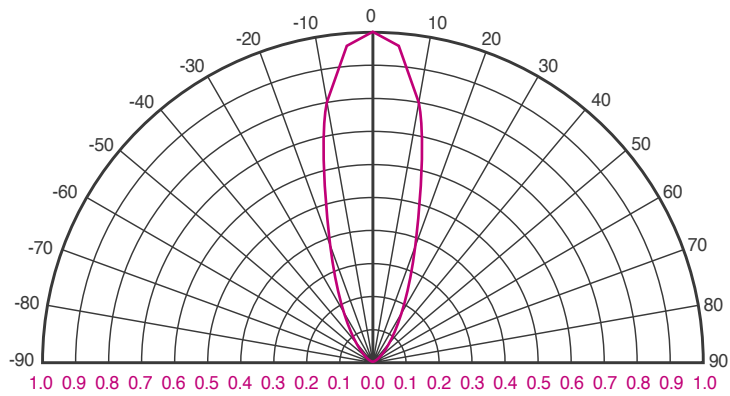
Parameter	Value
Color range	16.7 million (24-bit)
Power consumption	Max. 30W (at full intensity)
LED lamp	High Power LED 1W/3W 18pcs (R6, G6, B6)
Beam angle	10°, 30°
Case material	Aluminum Case, PC
Dimension	496mm(W) x 67mm(H) x 53mm(D)
Weight	1.4 kg
Protection rate	Outdoor (IP66)
Operation temp.	-20°C to 50°C



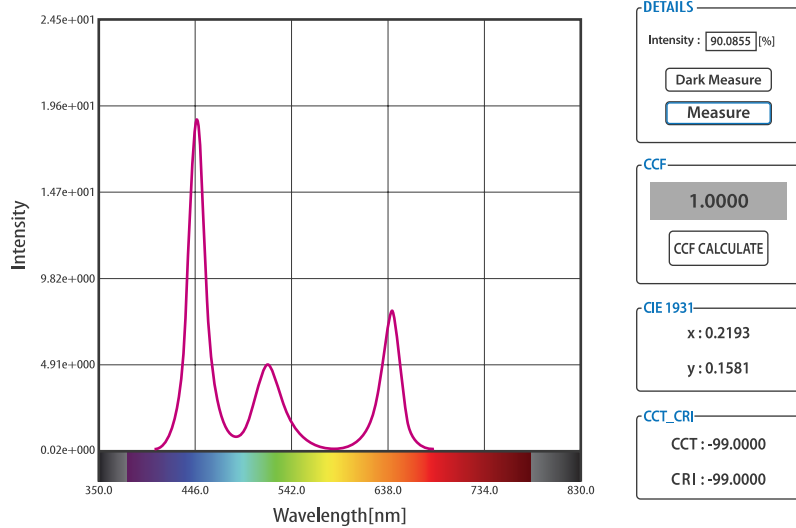
OPTICAL SPECIFICATION

LUMINOUS FLUX

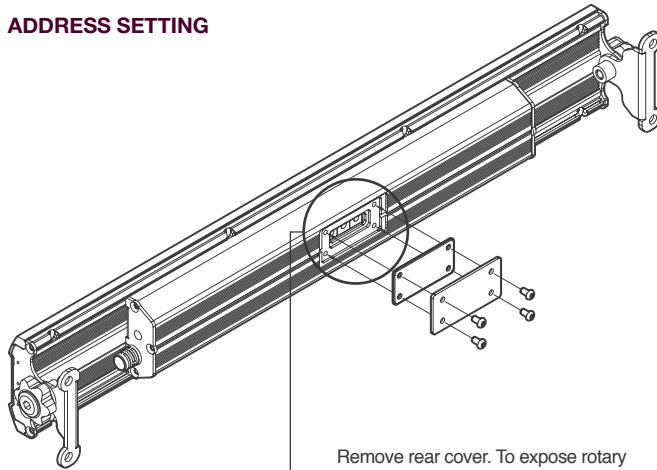
Product Type	H-bar
Total Flux (lm)	599.67
Candela (cd) Aver.	263.84
Illuminance (lx) Aver.	2.26



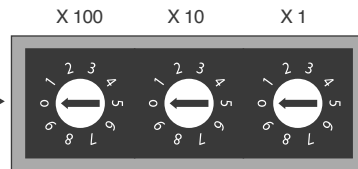
SPECTRUM



ADDRESS SETTING

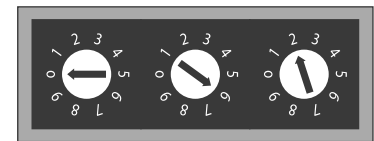


Remove rear cover. To expose rotary switch for DMX No. control



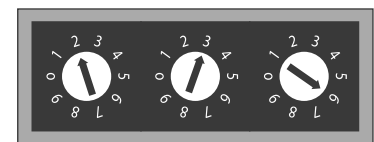
In case of setting No. 62 DMX...

X 100 X 10 X 1

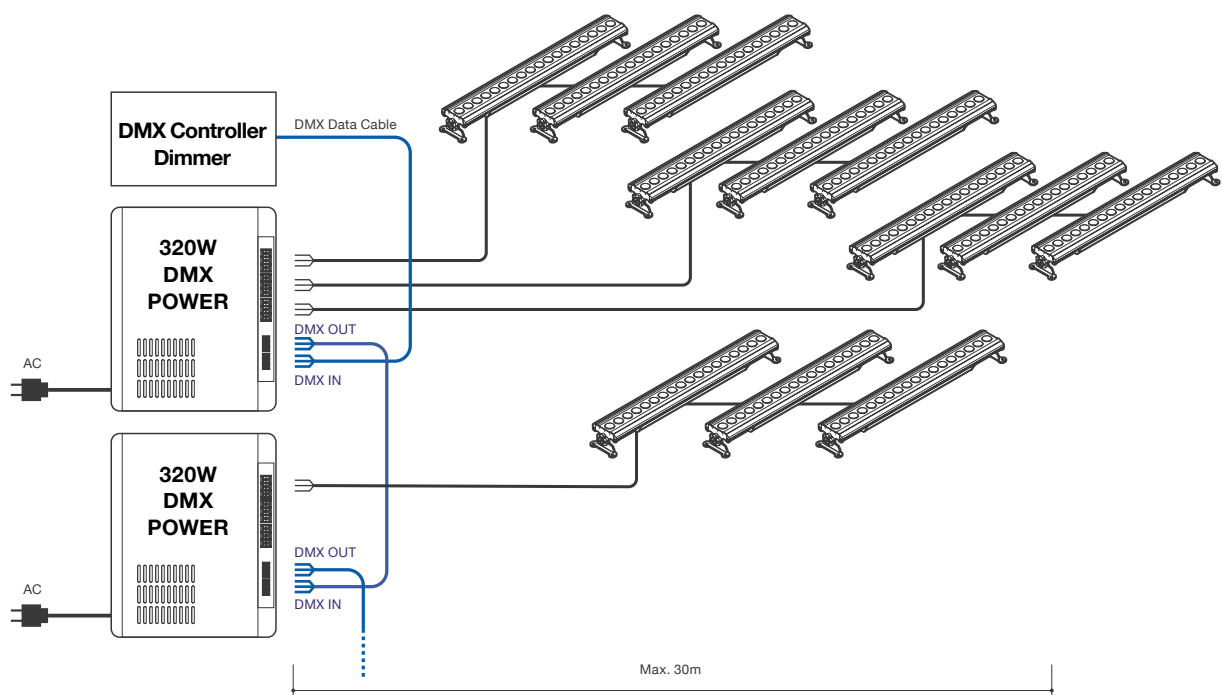


In case of setting No. 236 DMX...

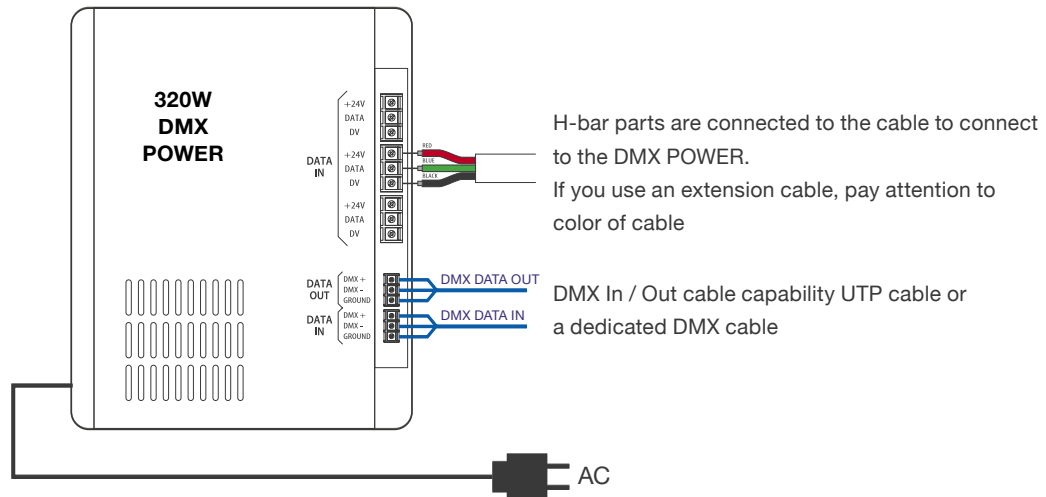
X 100 X 10 X 1



SYSTEM BLOCK DIAGRAM DMX CONTROL SYSTEM



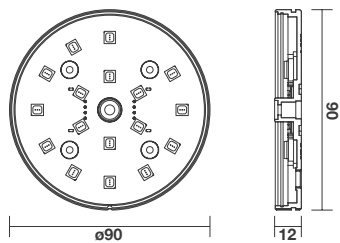
DETAILS



UFO

RGB
Indoor
LED Bar

This ultra thin (90mm) UFO type color-bar is suitable for various events and concerts. For equipment rental market, it comes with magnetic application along with bolt in the middle design to ease the install & uninstall work.

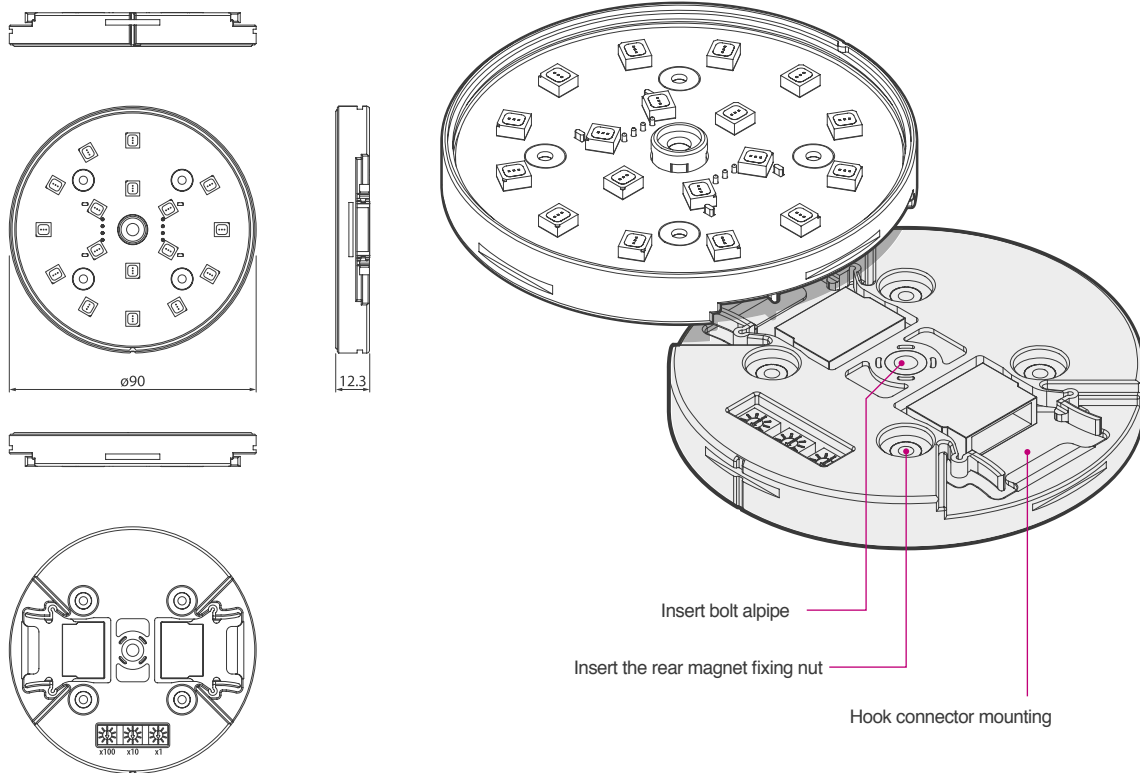


TECHNICAL SPECIFICATIONS

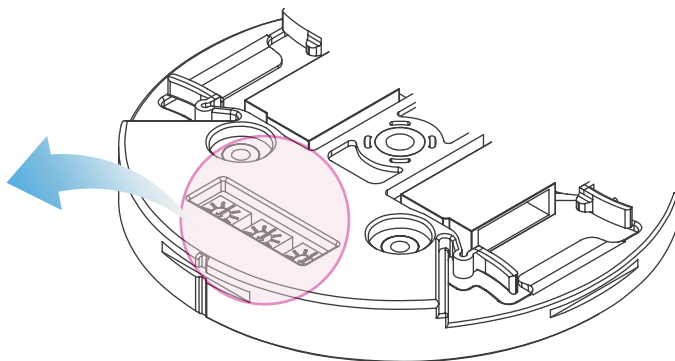
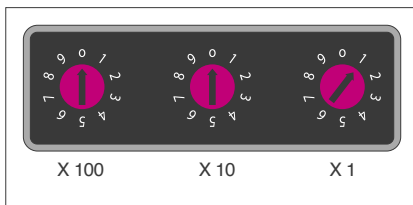
Parameter	Value
Size	ø90 x 12mm (T)
Lamp	Nichia 3 in1 full color LED 18ea
Brightness	Pixel Brightness : 104.50 lm / 38.15 cd Lv : 3,815 cd/m ² Dot pitch of 100mm
Viewing angle	110° ± 2°
Color range	16.7 million 48-bit (64-bit)
Power capacity	4.56W
Input voltage	24V DC From DC-DC Module
Main power source	24V DC From SMPS
Addressing	Rotary Type Manual Setting
Control	DMX 512/ Video Control
Protection rate	Indoor only
Operating temp.	-20°C to 50°C
Storage temp.	-30°C to 80°C
Weight	60g
Material	Plastic Body & Clear Cover
Pixel pitch	75 to 1200mm pitch
Max. connection	100mm : 20ea , 1000mm : 14ea 2000mm : 10ea Input cable : AWG18, 20m

PRODUCT DRAWING

DIMENSIONS



ADDRESS SETTING

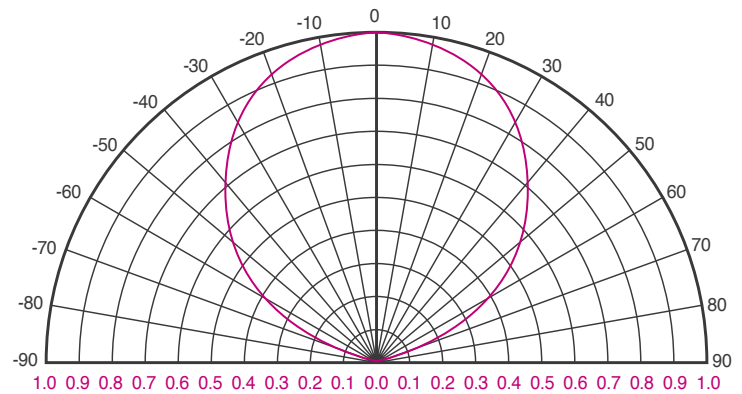


- 3 addresses determined by the value of rotary switch : From left to 100 units, 10 units, a unit sequence
- Address 0 / 500 : black(data off)
- DMX Black mode (1 to 499) : input data for on- black(OFF)
- DMX Normal mode (501 to 999) : input data for off-color as the previous lights off state is maintained.
- Same-sequence DMX Black mode1 and DMX Normal mode 501.
- No Use Address 500 to 512

OPTICAL SPECIFICATION

LUMINOUS FLUX

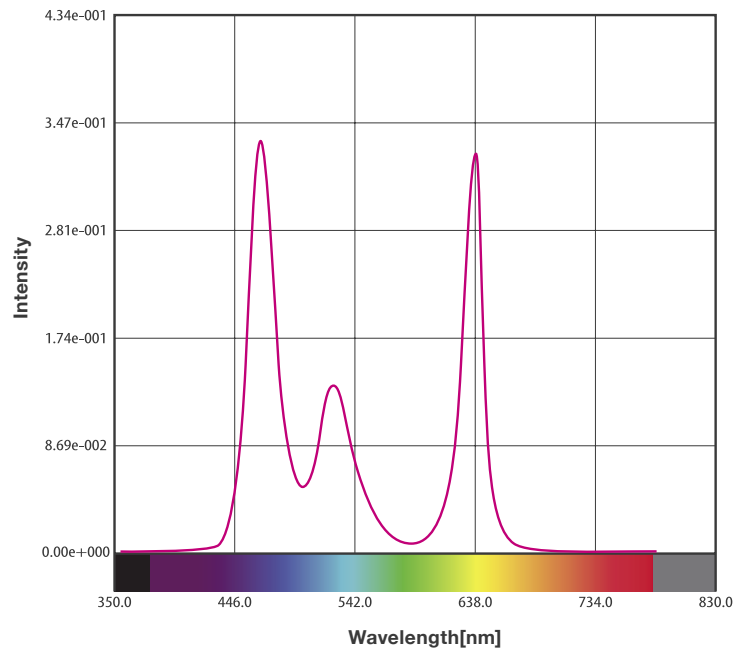
- Beam Angle (50% Max) : 110°
- Brightness(nit) : 3,815 cd/m²
(Module Pitch of 100mm)



Color	Lumens (lm)	Candela (cd)	Power (W)	Efficiency (lm/W)
WHITE	104.50	38.15	4.56	22.9

* Measured on : White

SPECTRUM DATA



DETAILS

Intensity : 91.6484 [%]

Dark Measure

Measure

CCF

1.0047

CCF CALCULATE

CIE 1931

x : 0.2689

y : 0.2633

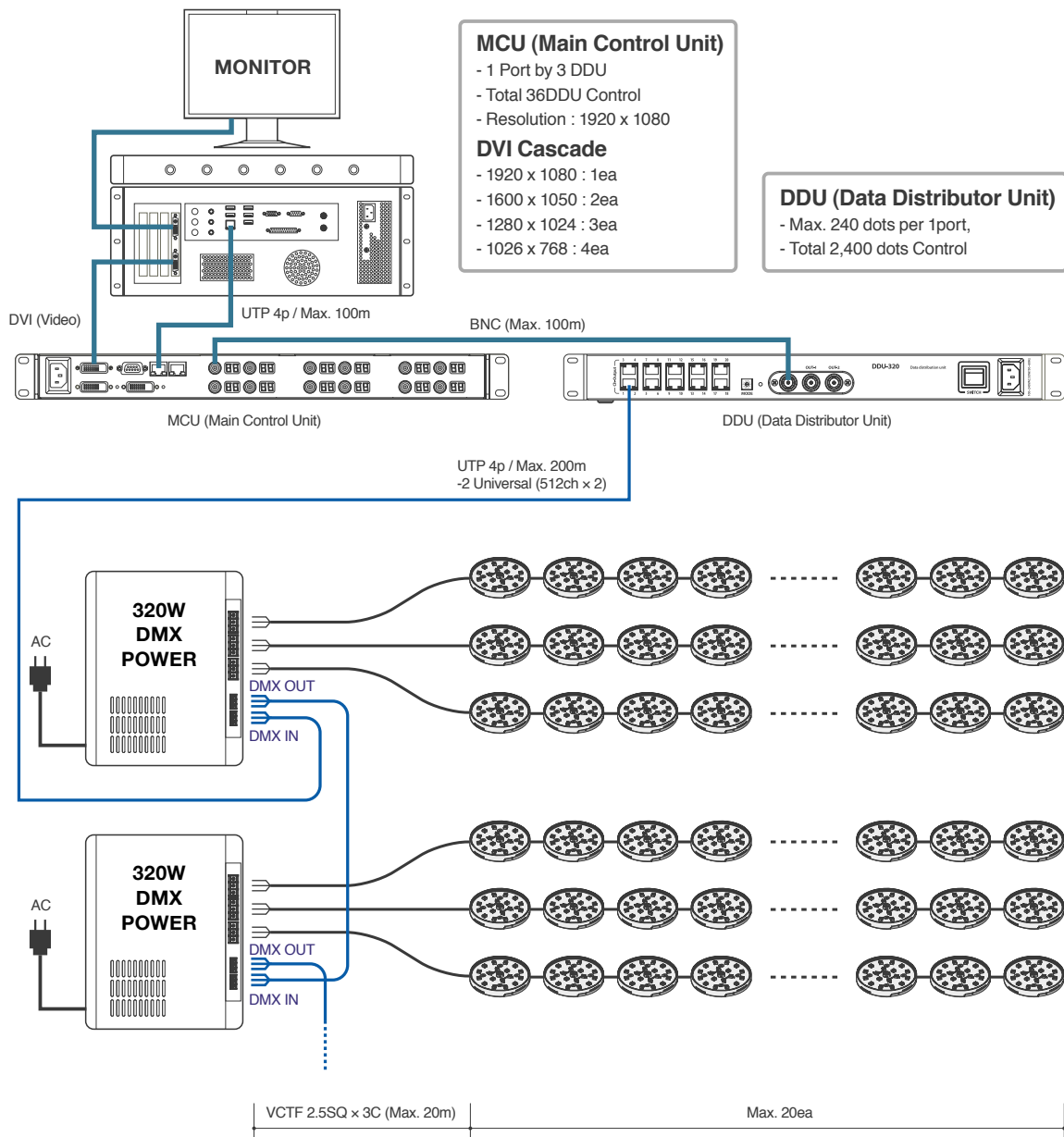
CCT_CRI

CCT : 14533.3960

CRI : 31.9325

SYSTEM BLOCK DIAGRAM

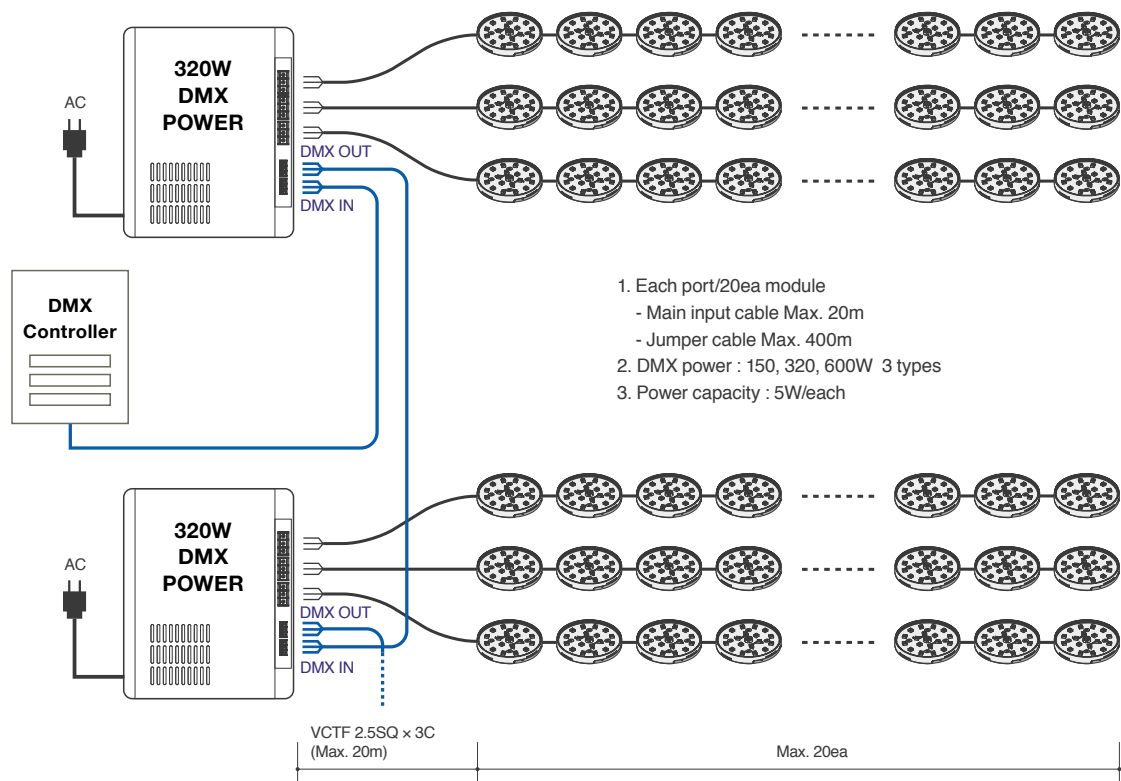
VIDEO CONTROL SYSTEM



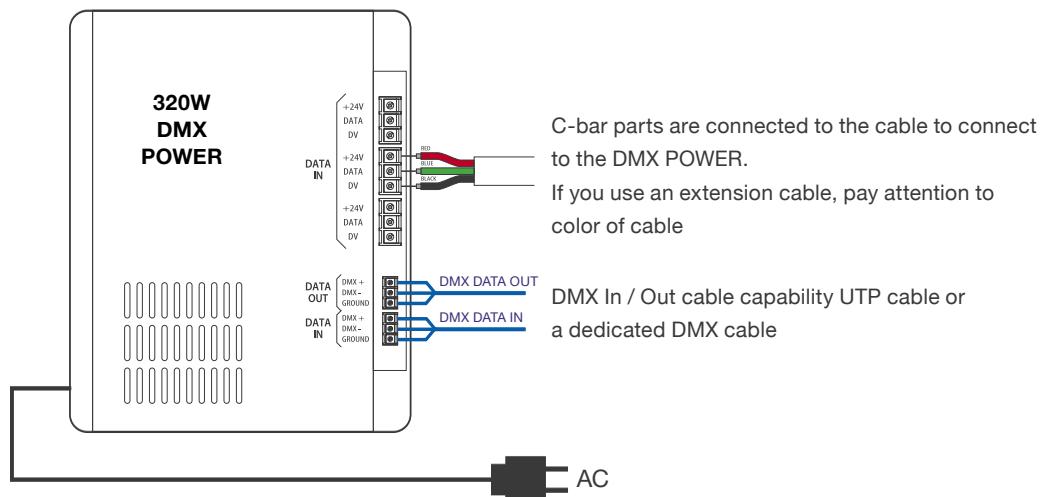
1. Each port/20ea module
 - Main input cable Max. 20m
 - Jumper cable Max. 400m
2. DMX power : 150, 320, 600W 3 type
3. Power capacity : 5W/each

SYSTEM BLOCK DIAGRAM

DMX CONTROL SYSTEM



DETAILS



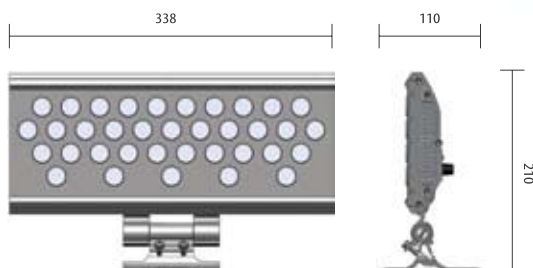
Hypershot

RGB
Outdoor
HP Spotlight

High-powered spotlight suitable for color light-up. Characterized by high performance, energy cost saving, and easy installation, it is perfect for wall-wash display. 3W type is economical compared to 1W due to wide beam angle and minimized number of equipment.



IP66



TECHNICAL SPECIFICATIONS

Parameter	Value
Color range	16.7 million (24-bit)
Power consumption	Max. 60W (at full intensity)
LED lamp	High Power LED 1W/3W 36pcs (R12, G12, B12)
Beam angle	10°, 30°
Case material	Aluminum Case, P.C
Dimension	338mm(W) x 210mm(H) x 110mm(D)
Weight	2.2kg
Protection rate	Outdoor (IP66)
Operation temp.	-20°C to 50°C



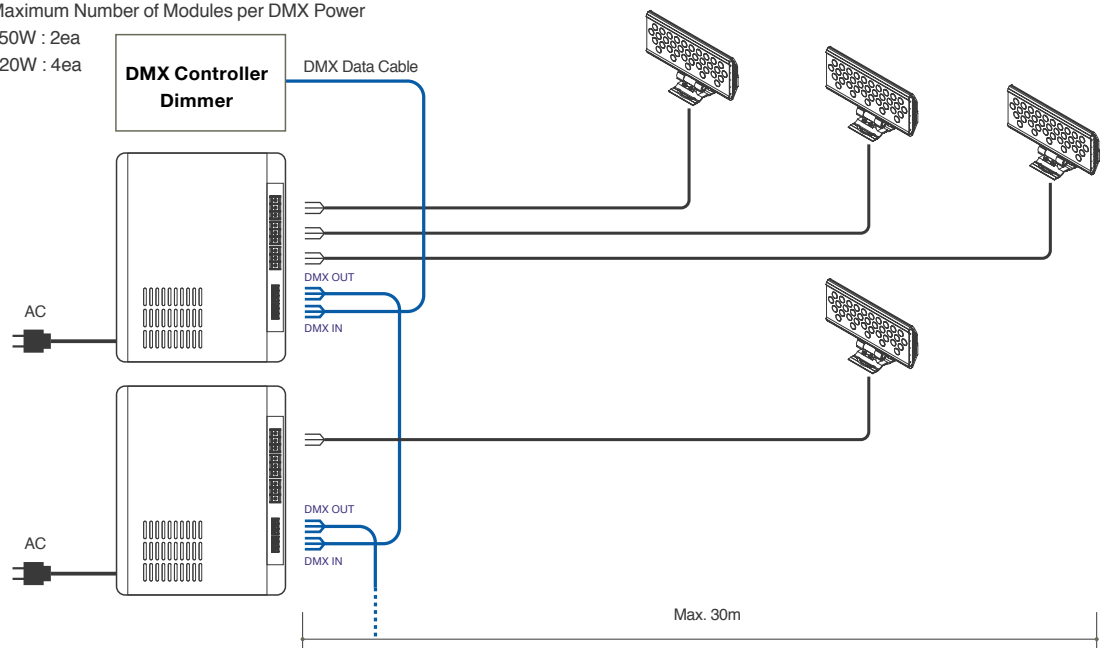
SYSTEM BLOCK DIAGRAM

DMX CONTROL SYSTEM

Maximum Number of Modules per DMX Power

150W : 2ea

320W : 4ea



DETAILS

