



A-debar



A-DEBAR is widely utilized for media facade as well as for architectural lighting. Its features with slim profile and options of length and cover lens enable to create large scale Media Facade. It is available in both direct view (clear type) and diffused-view (diffuser type) options for various applications.

FEATURE

Various Options of Cover Lens

Each dot pixel can have every different type of lens (clear/diffuser)

Video Control for Media Facade

Not only simple color display by governing dmx & video controller but also complex architectural lighting and media facade

Outdoor Solution

Waterproofed for outdoor use

PRODUCT SPECIFICATIONS **Group Control Model**

Parameter	900mm RGB	1200mm RGB	
Model Number	GB-10BFM / GB-10BFO	GB-12BFM / GB-12BFO	Diffuser / Clear
Material	Aluminum Body & Diffuser PC Cover / Aluminum Body & Clear PC Cover		
Size (W × H × D)	900mm × 31mm × 58.5mm /	1,200mm × 31mm × 58.5mm /	Diffuser /
	900mm × 30mm × 28.5mm	1,200mm × 30mm × 28.5mm	Clear
Weight	950 g / 2.09 lbs	1.2kg / 2.65 lbs	
Power Consumption	Max. 10W	Max. 12W	
Lamp	3 in 1 Full Color SMD LED × 36	3 in 1 Full Color SMD LED × 48	
Pixel Pitch	25mm	25mm	
Brightness	119 lm, 44cd / 216 lm, 81cd	158 lm, 59cd / 288 lm, 107cd	Diffuser / Clear
Beam Angle	110° × 180° / 110°	110° × 180° / 110°	
Color Process	3 × 16 bit (Gamma correction)	3 × 16 bit (Gamma correction)	
Control	DMX512, Video Control	DMX512, Video Control	
Operating Voltage	24V DC	24V DC	
Main Power Source	24V DC	24V DC	from SMPS
Addressing	Auto Address Setting	Auto Address Setting	
Protection	IP65	IP65	
Operating Temperature	-20°C ~ 50°C / -4°F ~ 122°F	-20°C ~ 50°C / -4°F ~ 122°F	
Storage Temperature	-30°C ~ 80°C / -22°F ~ 176°F	-30°C ~ 80°C / -22°F ~ 176°F	
Main Input Cable	Max. 15m (AWG 22 × 6C)	Max. 15m (AWG 22 × 6C)	from PSU BOX
Maximum Connection	6 Fixtures Per Port	4 Fixtures Per Port	500W Power & PDD 800

Parameter	WHITE
Color Temperature	Cool White 5300K

Diffuser

GB-03BCM_300mm | max.4W | White LED×12 | 103lm, 33cd | 530g
 GB-05BCM_450mm | max.6W | White LED×18 | 155lm, 50cd | 630g
 GB-06BCM_600mm | max.7W | White LED×24 | 207lm, 66cd | 740g
 GB-10BCM_900mm | max.10W | White LED×36 | 311lm, 99cd | 950g
 GB-12BCM_1200mm | max.13W | White LED×48 | 412lm, 132cd | 1.2kg

Clear

GB-03BCO_300mm | max.4W | White LED×12 | 150lm, 48cd | 440g
 GB-05BCO_450mm | max.6W | White LED×18 | 224lm, 72cd | 540g
 GB-06BCO_600mm | max.7W | White LED×24 | 300lm, 96cd | 650g
 GB-10BCO_900mm | max.10W | White LED×36 | 451lm, 144cd | 860g
 GB-12BCO_1200mm | max.13W | White LED×48 | 598lm, 191cd | 1.1kg

PRODUCT SPECIFICATIONS **Dot Control Model**

Parameter	1,000mm	1,500mm	
Model Number	GB-14BFM / GB-14BFO	GB-19BFM / GB-19BFO	Diffuser / Clear
Material	Aluminum body & diffuser PC cover / Aluminum body & clear PC cover		Diffuser / Clear
Size (W x H x D)	998mm x 39.6mm x 60.9mm /	1,498mm x 39.6mm x 60.9mm /	Diffuser /
	998mm x 38.5mm x 32.9mm	1,498mm x 38.5mm x 32.9mm	Clear
Weight	1.0 kg / 2.20 lbs	1.4 kg / 3.08 lbs	
PowerConsumption	Max. 14W	Max. 19W	
Lamp	3 in 1 full color SMD LED x 40		
Pixel Pitch	25mm	25mm	
Brightness	34cd, 138 lm / 109cd, 280 lm (Not calibrated)		
Beam Angle	110°x 180° / 110°		
Color Process	3 x 16 bit (Gamma correction)		
Control	DMX 512		
Operating Voltage	48V DC		
Main Power Source	48V DC	48V DC	from SMPS
Addressing	Auto address setting		
Protection	IP66		
Operating Temperature	-20°C ~ 50°C / -4°F ~ 122°F		
Storage Temperature	-30°C ~ 80°C / -22°F ~ 176°F		
Main Input Cable	Max. 20m (AWG 22 x 6C)	Max. 20m (AWG 22 x 6C)	from PSU BOX
Maximum Connection	Total 16 fixtures, 4 fixtures per port	Total 12 fixtures, 2 fixtures per port	320W Power

PHOTOMETRICS

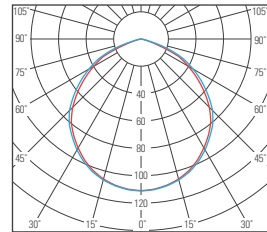
GB-14BFO

(A-debar 1000mm_
RGB_clear)

- Source : 3 in1 full color SMD LED x 40
- Beam angle (Optics) : 110°
- Control Unit : Dot
- Cover lens : Clear

Polar LDC

Measured on white (RGB)



Color	Lumens
White (RGB)	281.6
Red	87
Green	178
Blue	36.7

cd - C0-C180 - C90-C270 281.641 lm

Illuminance at distance

Measured on white (RGB)

Distance	Cone diameter	Illuminance	E (0°)	E (C90)	E (C0)
0.5	1.39	445	54.2°	45	51
	1.30	111	54.2°	11	13
1.0	2.77	49	54.2°	5	6
	2.60	28	54.2°	3	3
1.5	4.16	18	54.2°	2	2
	3.90	18	54.2°	2	2
2.0	5.55	18	54.2°	2	2
	5.19	18	54.2°	2	2
2.5	6.93	18	54.2°	2	2
	6.49	18	54.2°	2	2

Distance Cone diameter Illuminance
- C0-C180 (Half-value angle: 104.8°) - C90-C270 (Half-value angle: 108.4°)

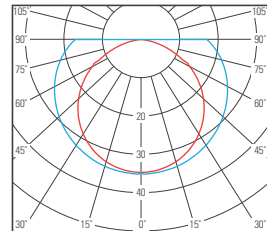
Horiz. spread: 104.8°
Vert. spread: 108.4°

GB-14BFO

(A-debar 1000mm_
RGB_diffuser)

- Source : 3 in1 full color SMD LED x 40
- Beam angle (Optics) : 110° x 180°
- Control Unit : Dot
- Cover lens : Diffuser

Measured on white (RGB)



Color	Lumens
White (RGB)	136
Red	37.6
Green	82
Blue	19

cd - C0-C180 - C90-C270 135.914 lm

Measured on white (RGB)

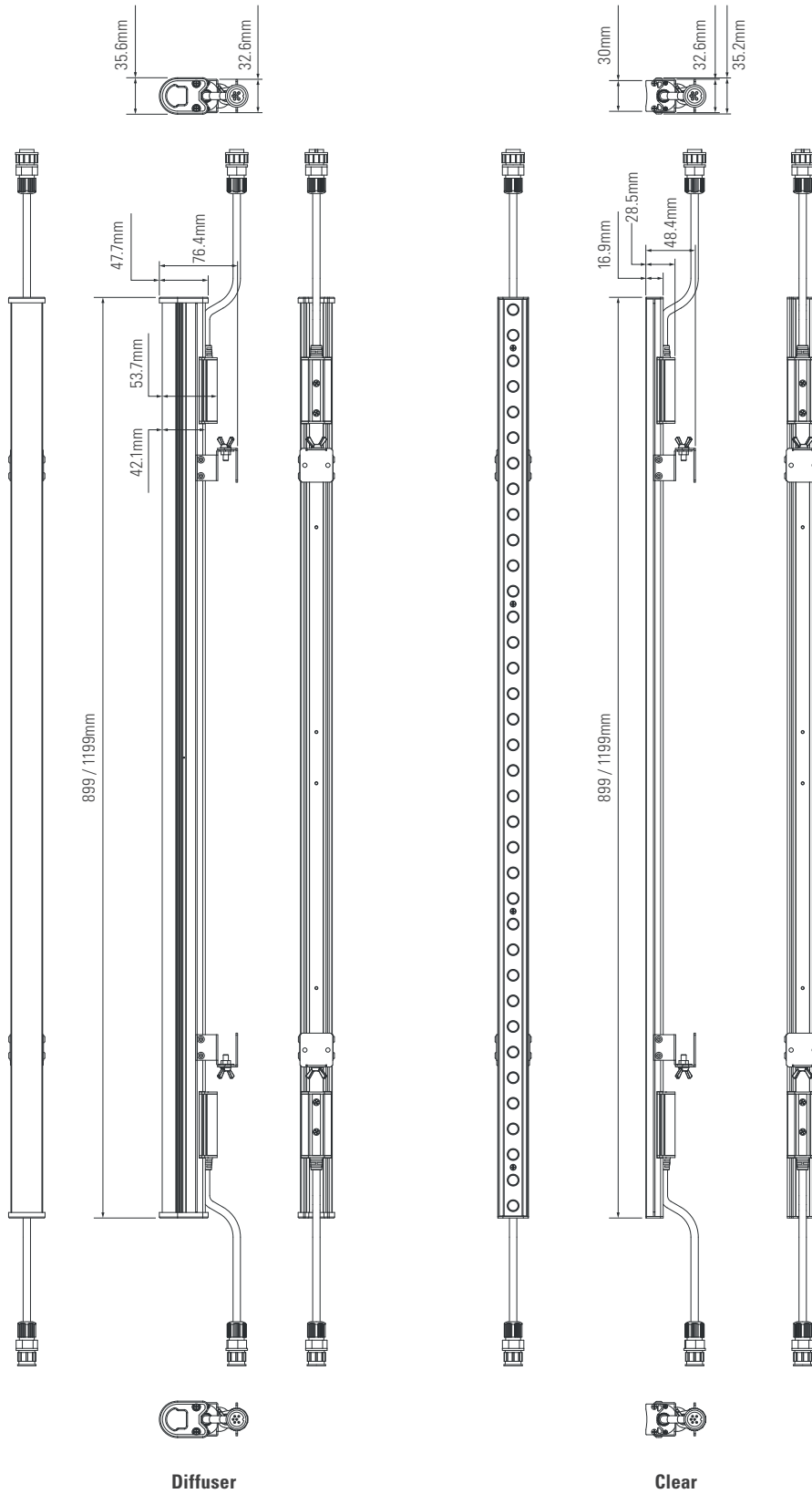
Distance	Cone diameter	Illuminance	E (0°)	E (C90)	E (C0)
0.5	47.74	140	88.8°	0	12
	1.48	35	88.8°	0	12
1.0	95.48	16	88.8°	0	1
	2.97	9	88.8°	0	1
1.5	143.22	6	88.8°	0	1
	4.45	6	88.8°	0	1
2.0	190.96	6	88.8°	0	1
	5.93	6	88.8°	0	1
2.5	238.70	6	88.8°	0	1
	7.41	6	88.8°	0	1

Distance Cone diameter Illuminance
- C0-C180 (Half-value angle: 112.0°) - C90-C270 (Half-value angle: 177.6°)

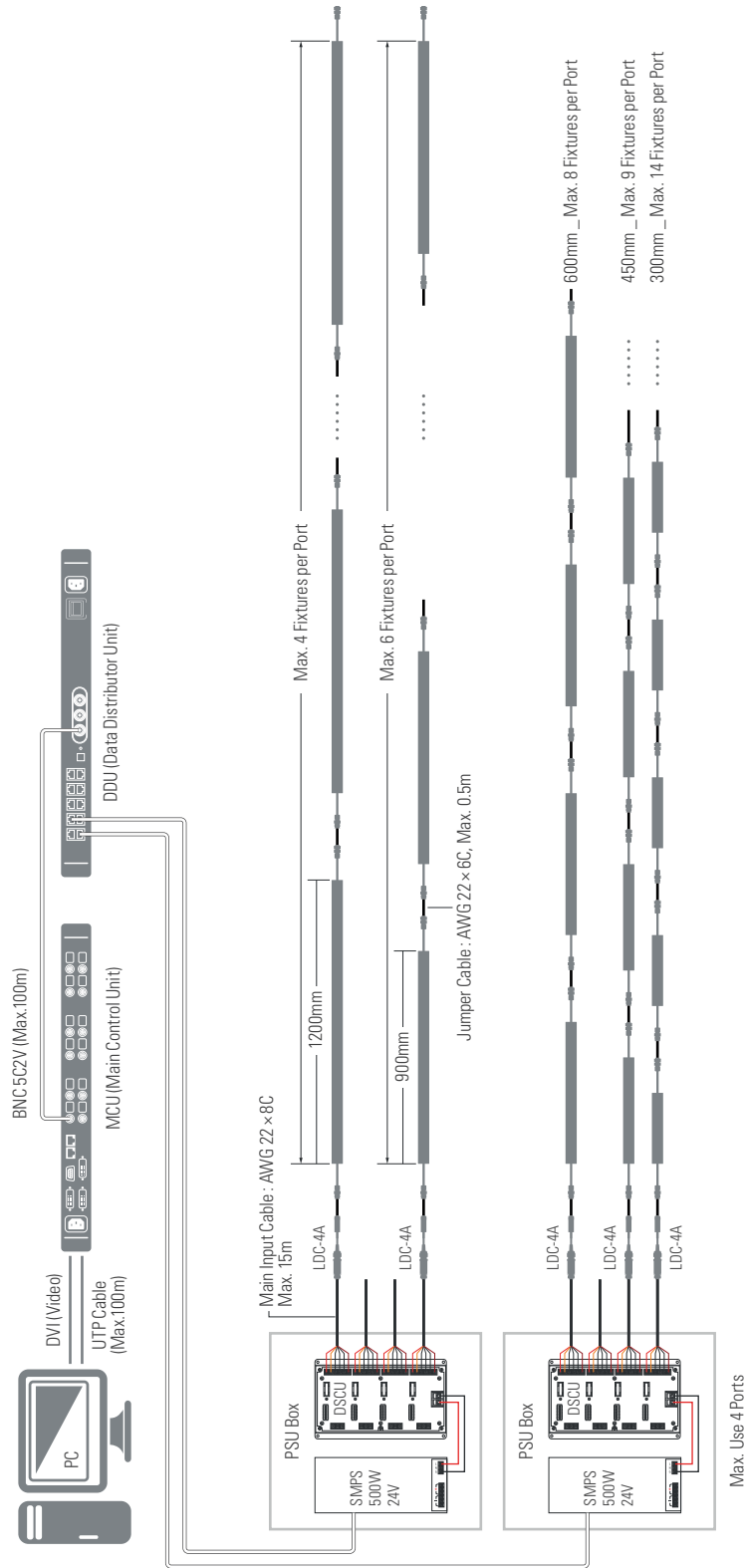
Horiz. spread: 112.0°
Vert. spread: 177.6°

Photometric measurements are carried out by an independent laboratory. IES files are available for download from Galaxia Electronics website.

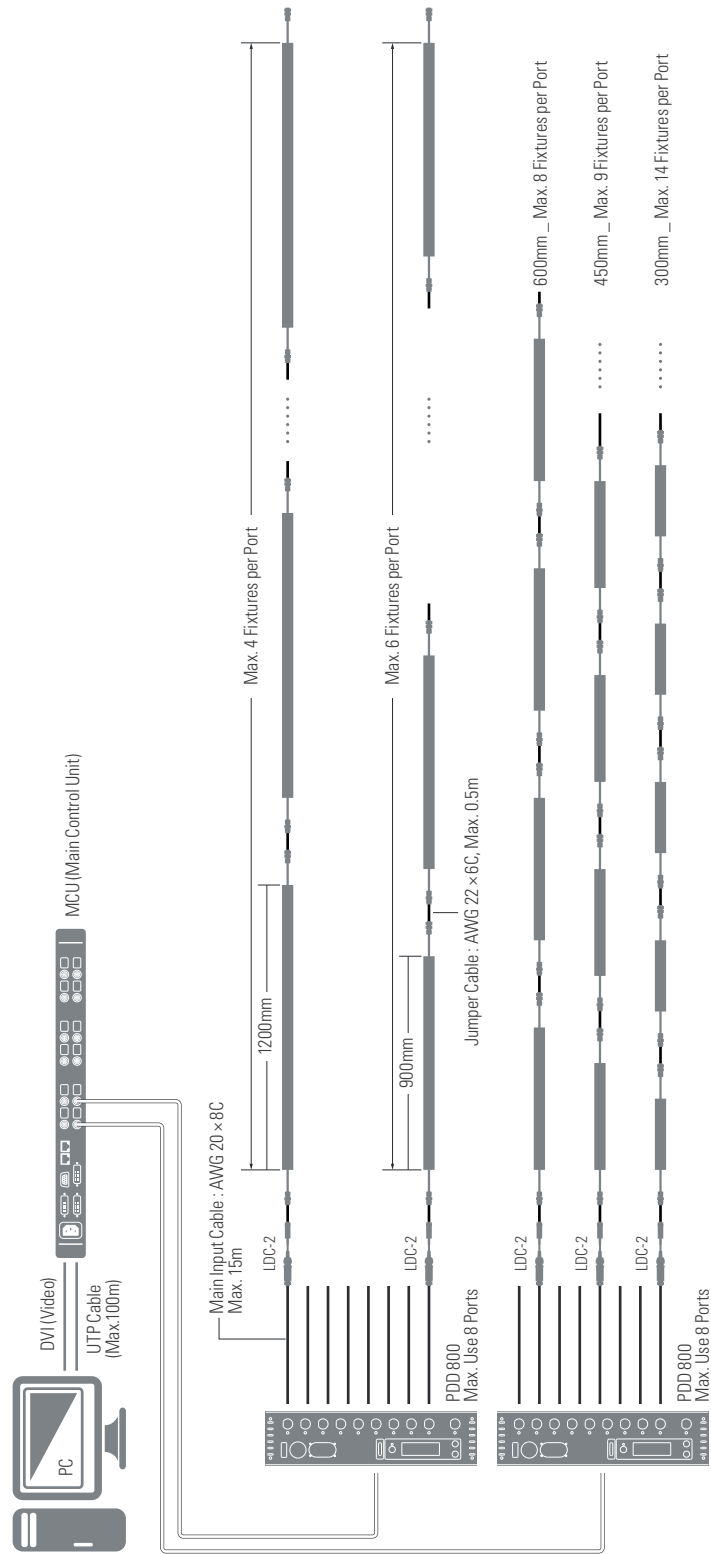
TECHNICAL DRAWING



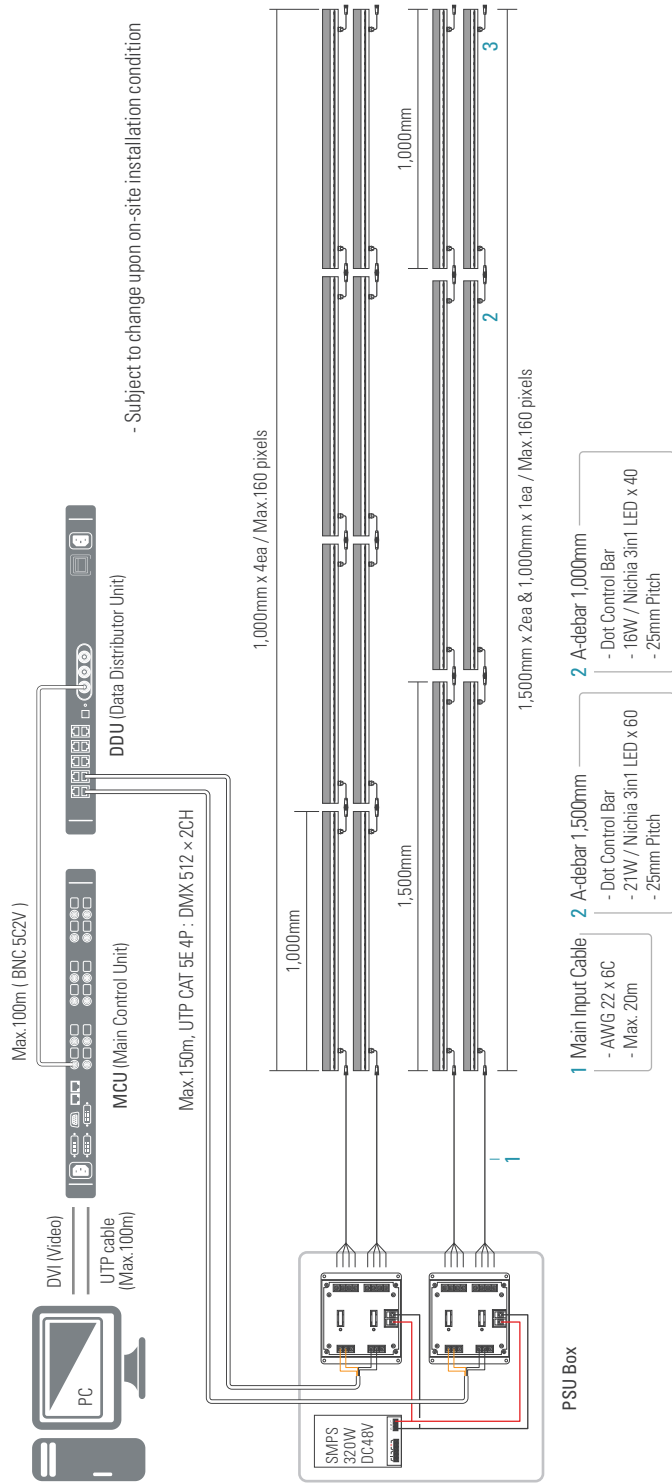
SYSTEM BLOCK DIAGRAM DMX CONTROL_Group Control Model



SYSTEM BLOCK DIAGRAM VIDEO CONTROL_Group Control Model



SYSTEM BLOCK DIAGRAM DMX CONTROL_Dot Control Model



- Subject to change upon on-site installation condition