

Specification Sheet

Deco Pixel Bar

Project Name: _____

Qty: _____

Type: _____

Part Number: _____

Certification



Description:

The Deco Pixel Bar is an IP66 rated direct view fixture designed for architectural Facade, bridge and application requiring seamless strips of light and limited installation space. The acrylic cover ensures the dotless effect in the RGB/RGBW/Static White/Dynamic White options. Its wide voltage input design (12V-24V) always keep same brightness at long distance power supply.

Features:

Colour and Colour Temperature	RGB 3-in-1 with 2700K, 3000K, 3500K, 4000K, 5000K, 5700K, 6000K
Length (Normal)	500mm, 1000mm (customized length available)
Optics	110°
LED	GREE/ORSAM/EPISTAR

Mechanical Specification:

Housing Material	Extruded aluminum
Cover	Flat acrylic cover
Surface Finishing	Powder coating available in Black, Grey

Electrical Specification:

Voltage	12-24Vdc wide voltage
Fixture Cable	4-pin cables
Power	6W (500mm), 12W (1000mm)

Environment:

Storage Temperature	-40°C to 85°C (device must reach start-up temperature value before operating)
Operating Temperature	-40°C to 50°C
Ingress Protection Rating	IP66

Remark: The given data of CCT, beam angles, lumen output, and electrical power are typical values. Due to the encapsulation of the fixture, the tolerances of the production process and the electrical components, the values can vary up to 10%. Please consult the factory to get IES file for more information.

2020 Q1 Edition 1/4

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Pixel options (1000mm length)

Model	DPB10SWxx-xx	DPB10DWxx-xx	DPB1011xx-xx	DPB1012xx-xx
Type of fixture	Static White	Dynamic White	RGB	RGBW
LED Qty (RGB 3-in-1)	N/A	N/A	60	30
LED Qty (White)	60	120	N/A	30
Number of group of pixels per fixture				
DPB10xxxx.01	1	1	1	1
DPB10xxxx.02	2	2	2	2
DPB10xxxx.04	4	4	4	4
DPB10xxxx.10	10	10	10	10
DPB10xxxx.20	20	N/A	20	N/A
Number of LEDs per group				
DPB10xxxx.01	60	120	60	60
DPB10xxxx.02	30	60	30	30
DPB10xxxx.04	15	30	15	15
DPB10xxxx.10	6	12	6	6
DPB10xxxx.20	3	N/A	3	N/A
Number of DMX512 channels per group of pixels	1	2	3	4
Number of DMX512 Channels per fixture				
DPB10xxxx.01	1	2	3	4
DPB10xxxx.02	2	4	6	8
DPB10xxxx.04	4	8	12	16
DPB10xxxx.10	10	20	30	40
DPB10xxxx.20	20	N/A	60	N/A
Maximum number of pixel bar can be run in one DMX data cable				
DPB10xxxx.01	32	32	32	32
DPB10xxxx.02	32	32	32	32
DPB10xxxx.04	32	32	32	32
DPB10xxxx.10	32	25	17	12
DPB10xxxx.20	25	N/A	8	N/A

Cables

Noted: *Extension power cable is used to lengthen lead in cables or cable between two fixtures in a daisy chain. As it adds voltage drops, please consult factory or refer to the wiring diagram regarding the impact on run length.*

Power and Data lead and extension:

Pin Configuration	Function
RED	DC+ (24V)
Black	Ground
Green	DMX +
Blue	DMX -



Item: ENDCAP-4 pin-M

4-pin cable male cable end cap/DMX Terminator



Item: ECDCL-020-4pin

4-pin 2 meters male to female extension cable



Item: ECDCL-100-4pin

4-pin 10 meters male to female extension cable



Item: XLR-ECDCF

XLR-3 connector to 3-pin female connector. Customized DMX data lead in cable which connects the DMX controller with XLR-3 sockets to the lead in T-connector (ECDCTM-LEADIN)



Item: ECDCF-300-2pin

2-pin 300mm female lead in cable to bare wire



Item: ECDCTM

DMX T connector 4-pin male to 4-pin female with male power injector



Item: ECDCTM-LEADIN

DMX Lead in T connector cable at the first fixture of the daisy chain. It combines the power and signal into a 4 pin male cable. (2 pin male, 3 pin male and 4 pin female)

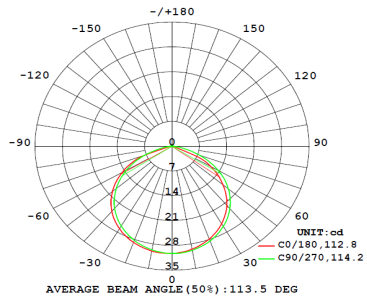
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Decoline Pixel Bar

DPB1012xx.xx

RED

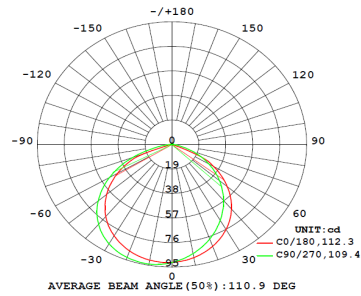
Beam Angle (50%) 110°



DPB1012xx.xx

GREEN

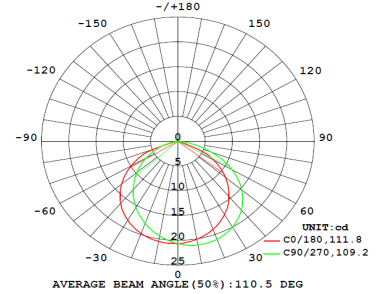
Beam Angle (50%) 110°



DPB1012xx.xx

BLUE

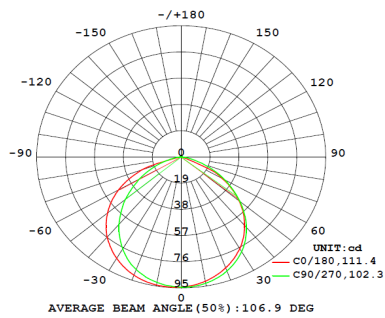
Beam Angle (50%) 110°



DPB1012xx.xx

WHITE

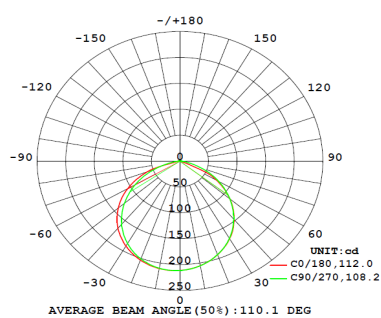
Beam Angle (50%) 110°



DPB1012xx.xx

ALL

Beam Angle (50%) 110°



Dimming Control

Control	Standard DMX512 control protocol (Max44 freams/second)
Protection	Lighting and ESD protection, short circuit protection
IP address	Manual/Auto-addressing

Dimension

