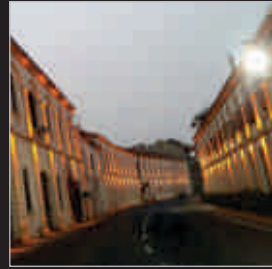
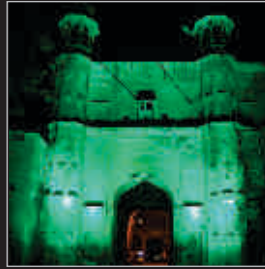




OPTOL

SHAPING SMART LIGHTING



ABOUT US

OPTOL (formerly known as AUTORAMAA) has been designing and manufacturing high quality LED lighting products for more than a decade.

We have in-house capabilities to design, engineer, test and prototype fixtures requiring complicated customisation and reach different segments in energy efficient lighting market.

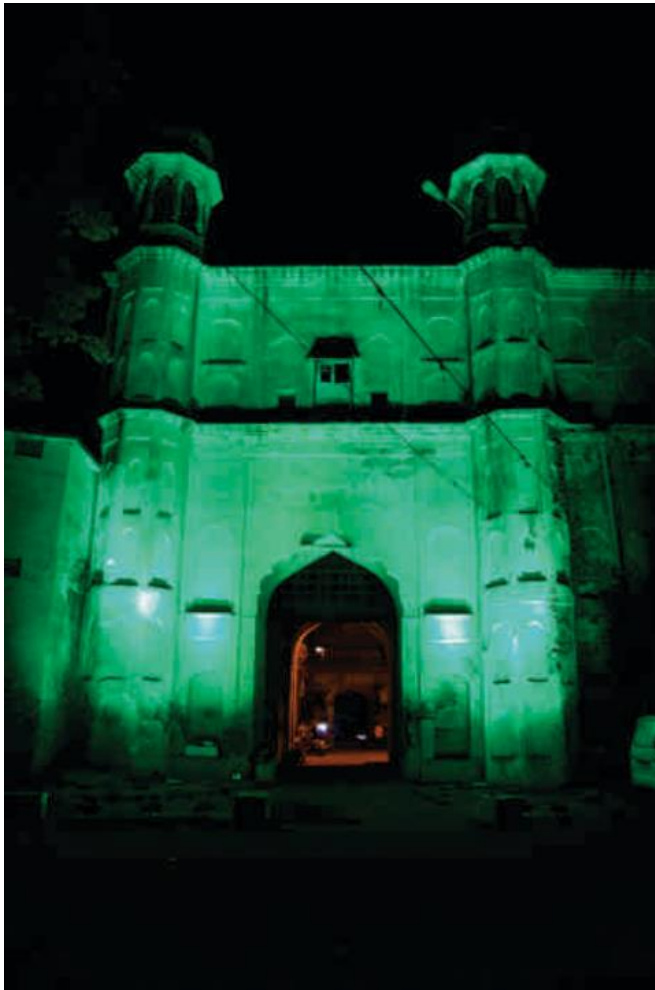
Our product line covers entire range of indoor and outdoor luminaries, which have been used in various prestigious projects in India and abroad.

Our scope does not end with supply. A trained technical team provides customers with supervision, installation and back end support for a trouble free execution and commissioning of projects.

Our growing customer base world-wide is a reflection of our commitment to providing cutting edge products and it's our constant endeavour to provide professionally quality service at all times.

At Optol, all we do is LED...

FACADE, CLUB AND STAGE LIGHTS



At Optol, our products and solutions cover software, LED controllers, Architectural and entertainment lighting. Our DMX Digital tube bars, DMX Dot and Artnet are very popular for façade , clubs, stage and rental. Using softwares we can make customized lighting effects for façade, club, stage and lighting application. Irregular shape patch function can help designers to accomplish complicated projects. Artnet, RDM, DALI makes many lighting application much more intelligent. We have developed many 3D visual products and improvised on LED 3D control technology.

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DIGITAL BARS



OPTOL - RGBSBNCB10003022-D3216

- RGB digital bar, silver colour, no cover
- 1000*21*17mm



OPTOL - RGBBBTCB10002722-D3216

- RGB digital bar, black colour, transparent cover
- 1000*21*17mm

FEATURES:

- This uses 48 pcs SMD RGB 5050 on each bar to ensure clear and perfectly mixed light beam.
- Incorporates Metal PCB for heatsinking and housing is IP67 protected for damp environment conditions
- Address setting : Manual or Auto addressable

APPLICATIONS:

Arenas,Bars,Overpass guardrail,highway,building light and club screen



DIMENSION(UNIT:MM):

Model	OPTOL-RGBSBNCB10003022-D2316	OPTOL-RGBT10003035-D3216
Dimension	1000*21*17mm	1000*21*17mm

PARAMETERS:

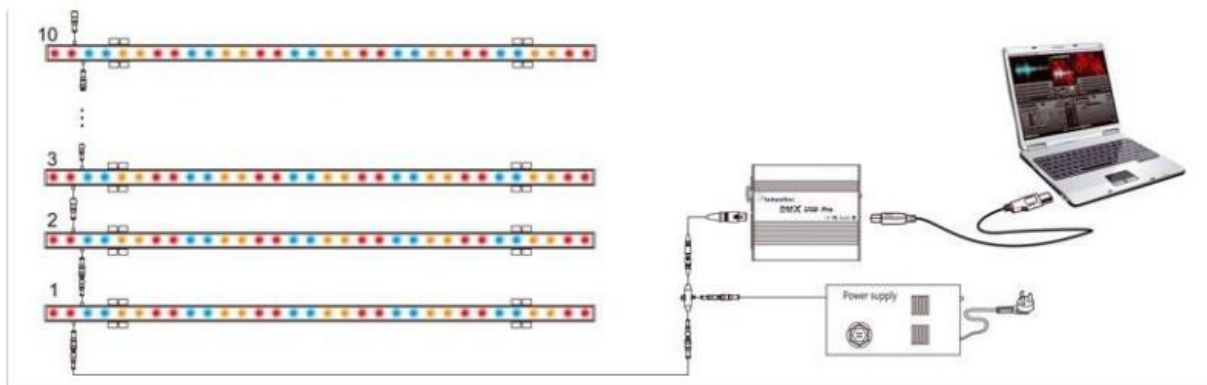
Parameters	Description		
Model	PDR - RGBSBNCB-10003022-D3216	PDR - RGBBFTCB-10002722-D3216	PDR - RGBBFFCB-10002722-D3216
Cover	No cover	Transparent Cover	Frosted Cover
Base Color	Silver	Black	Black
Dimensions	1000*21*17 mm	1000*21*17 mm	1000*21*17 mm
LED	48 pcs SMD RGB 5050		
Protocol	WS2811 , UCS1903		
Adress Setting	Automatically		
Pixel QTY	16 pixels		
Channel	48 DMX channels		
Universe	10 bars one DMX universe		

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Voltage	DC12V
Max Power	12W
Lifespan	50,000 hours, based on LED manufacturers' test data
Temperature	-4 0 F to 1220 F (-200 C to 500C)
Protection	IP 20/65

CONNECTION GUIDE:



ARTNET CONTROLLER

This product supports ART_NET signal input, hand-in-hand cascade, SPI+485 remote transmission and 19-inch cabinet for easy management.



FEATURES:

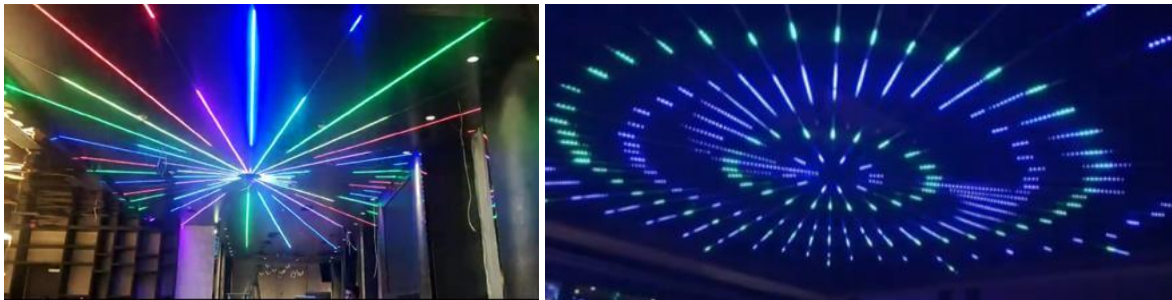
- with ART_NET (MARIX, MADMAPPER, ARENA, MA and other software) recording and playing function.
- ART_NET independent working mode.
- multiple network wire cascade, simple wiring.

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- support space point setting function.
- 4 ports output, each port 680PIX.
- output signal support 485, can be 100 meters distance transmission.

APPLICATIONS:

This product can be widely used in stage lighting, bar atmosphere foil, KTV project advertising display screen, planetarium and science museum, dance lighting effect.

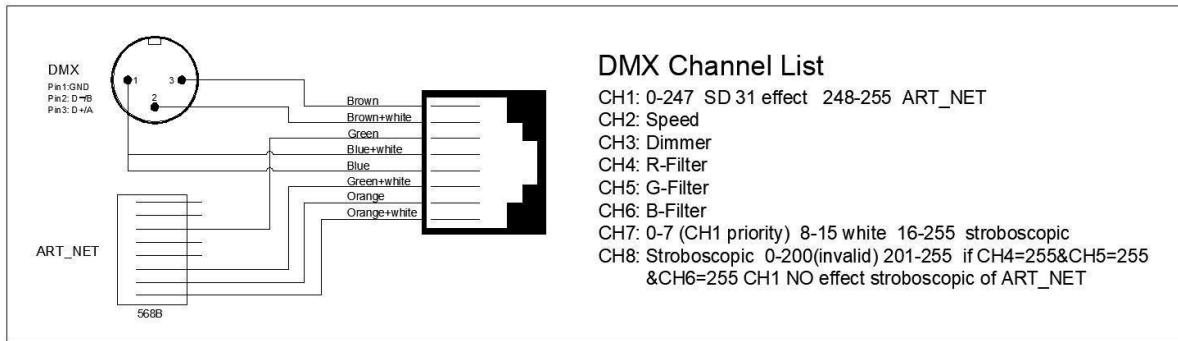


PARAMETER LIST(THIS PARAMETER IS 1 SET PARAMETER):

Parameter	Unit	Min	Typ.	Max
Working voltage (AC)	V	85	220	265
power (W	—	—	10W
Output port	↑	—	4	—
The port is loaded with points	pix	4*170	—	4*680
Control IC model	—	—	WS2811/SK6812/ UCS1903/UCS8903/UCS9812/ DMX512	—
Cascade stations	set	—	—	256
Product weight	KG	—	0.6	—
Product size (L*W*H)	MM	—	228*126*55	—
Packing size (L*W*H)	MM	—	280*205*85	—
Product colour	—	—	matt silver	—

			+black	
Product material	—	—	aluminum	—
Control mode	—	—	ART-NET	—

PORT DEFINITION:



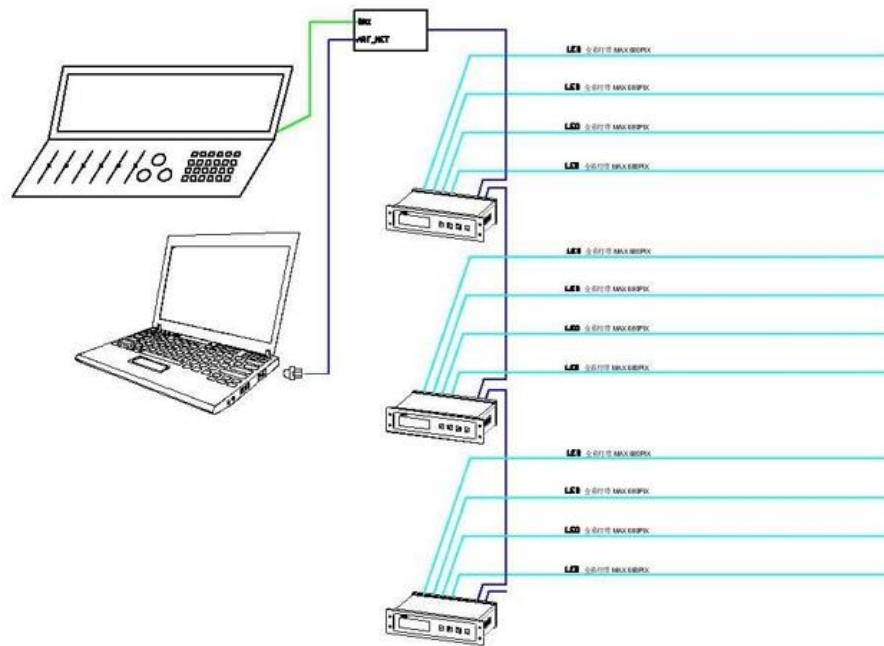
PORTUSAGE INSTRUCTION:

- For the convenience of connecting customers, we combine the ART_NET network cable and signal line.
- in use, our company will be equipped with two in and one out of the plug has been convenient to try out, to avoid wrong connection.
- ART_NET signal only one or no AN404 automatic switch: only ART_NET signal time, AN404 automatic switch to ART_NET online mode, output effect only according to the output ART_NET signal software play; When ART_NET and DMX enter at the same time, AN404 takes priority to SD card mode. AN404 can switch to ART_NET mode through DMX channel 1. Only DMX signal input time, AN404 for SD card mode, DMX channel calls SD card internal effect and adjust the relevant speed color. ; No signal input, AN404 for SD card mode, by pressing the button to select their own effects.

DMX CHANNEL TABLE DESCRIPTION:

Channel	Name	Figure	Instructions
1	Mode selection	000-247	Call internal 31 effects (one effect for every 8 addresses, and 0-7 for SD card effect 1)
		248-255	Switch to ART_NET mode
2	Speed	000-255	0 is the slowest speed, 255 is the fastest speed, SD card mode is valid
3	Brightness	000-255	0 is the brightness off, 255 is the brightest, SD card mode is valid
4	R- mask	000-255	Subtract red from the effect. 000 is the original effect, and 255 means subtract all red from the effect
5	G- mask	000-255	Subtract green from the effect. 000 is the original effect, and 255 is subtracting all green from the effect
6	B- mask	000-255	Subtract the blue in the effect. 000 is the original effect. 255 means subtract all the blue in the effect
7	invalid	000-007	
	Normally on	008-015	Constant bright white, color selection by mask (brightness, mask channel available)
	stroboscopic	016-255	The higher the value, the faster the strobe (speed, brightness, mask channel is effective)
8	invalid	000-200	
	record	201-255	When the value of channel 4.5.6 is 255, the recording is valid and the ART_NET effect is recorded to the file specified by channel 1

SYSTEM WIRING DIAGRAM:



PRODUCT FEATURE:



FUNCTION SPECIFICATIONS:

- IP setting function: set the IP of each controller.
- Energy control can be set in the starting space, and the working space can be specified for each AN404.
- Set the address and specify the starting address of AN404 to receive signals.
- IC selection, choose different IC models according to the load.
- pixel Settings, you can set each output 1/2/3/4 space data.
- Set the channel sequence according to the channel in charge.

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- Abandon the setting of data, facilitate the software layout, and improve the efficiency by losing the last part of data of each space.
- In pixel replication mode, 1/2/3/4 pixels can be set to one pixel respectively to improve space utilization.
- copy mode, you can manually record the ART_NET effect by pressing the button.
- The 485-output port is a set of network line output of each two ports, and has 5V power output, which is intermediate.

DMX DOT

OP-DMDC881



OP-DMDC882



Specs.	Description
OP-DMDC881(Size)	98x73x65mm (Opal)
OP-DMDC882(Size)	98x73x50mm (Clear)
Colour	RGB/RGBW
LED	SMD 5050
LED QTY	12
View Angle	120
Voltage	24VDC
Power	2.5W
Control	DMX512
Address Setting	Auto
Pixel	1
DMX Channels	3/ 4
Housing Colour	Black or other
Diffuser	Clear/Opal
Cable Entry	Side/Bottom
Operating Temperature	-20 to 50° C
Storage Temperature	-40 to 80° C
IP	IP67

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