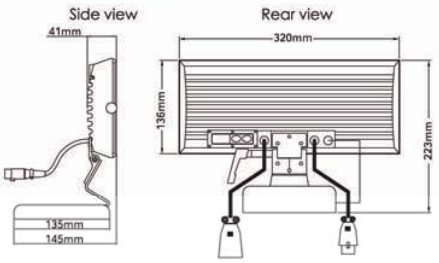
LED AVIVID WASH SERIES

*Clayton Bay Hotel, Hiroshima, Japan

* Kora Okey, Tokyo Kayabachyo, Japan

* Clayton Bay Hotel, Hiroshima, Japan

Dimensional Diagram



LED Vivid Wash 1
(Ultra Bright RGB, AWB, A/W/B LED)
(Direct DMX Control)

LED Vivid Wash I is an energy saving, RGB LED based, wash fixture, Incorporating 360 RGB Ultra Bright LEDs the LED Vivid Wash I produces full color 16.7M true 24 Bit color changing effects for architectural and decorative illumination.

LED Vivid Wash I can be operated standalone, master slave with built in pre-programmed effects or directly with and standard DMX-512 controller. The LED Vivid Wash I is engineered with push button waterproof external LED display based user interface for setting the mode of operation or DMX Address. The LED Vivid Wash I used only 3 Channels of DMX to enable external programming of linear color changing, step based scenes as desired by the lighting designer. You can also add an easy to use pre-programmed external controller if you are DMX challenged such as the SRC-AI-100. For more information on controller functionality refer to the control section of this catalog.

The LED Vivid Wash I housing is composed of Aluminum Die Cast fixture housing, heat treated glass aperture plate, rated at IP65.

CE UL OUTDOOR USE INDOOR USE

LED
141 Cassia Way STE. C
Henderson, NV 89014
Ph. 702.568.8742 * 800.700.5483
Fax 702.568.8753
www. LEDLINC.com

This fixture must be installed by a qualified electrician. LED is not responsible if its fixture are not installed according to local safety standards. Please leave a copy of these instructions for the person responsible for the maintenance of the installation.

RGB /AWB

Specifications

Item No.	***LW-320x130-WP-UB*** ***LW-320x130-WP-SB*** (RGB)	***LW-320x130-WP-AWB*** (AWB)
LED Color Range	RGB 16.7M Linear Color Control	Ultra bright LED AWB (Amber, WLED White LED, Blue) For Linear Color Correlated Temperature (CCT) Control from 2000 to 10,000K
Light Source	Ultra Bright LED / Super Bright LED	Ultra Bright LED / Super Bright LED
LED Qty.	Red120, Green120, Blue120	Amber120, white120, blue120
Beam Angle	45°	45°
Light Projecting Distance	20m	20m
Data Interface	Standard DMX protocol (RS485 terminal)	Standard DMX protocol (RS485 terminal)
Control System	SRC-AI-100 Address writer/simple controller	SRC-AI-100 Address writer/simple controller
DMX Channels	3 Channels	3 Channels
Fixture Housing	Die Cast Powder Coated Aluminum	Die Cast Powder Coated Aluminum
Connecting Mode	Standard signal cord and power cord	standard signal cord and power cord
Connector	3-Pin Control and Installation Type dependant	3-Pin Control and Installation Type dependant
Weight	3.9Kg	3.9Kg
Dimensions	L320xW145xH225mm	L320xW145xH225mm
Aperture Glass	Tempered Glass	Tempered Glass

Electrical Specifications

Operating Voltage	90-264V AC/12V DC	90-264V AC/12V DC
Operating Current	Max. 3A	Max. 3A
Power Consumption	25watts	25watts

Environmental Specifications

Operating Temperature	-20°C ~ +40°C	-20°C ~ +40°C
IP Rating	IP65	IP65

Built in Pre-Programmed Effects

Holder Color	Selectable HOLDER color. (16.7M variables)	Selectable HOLDER color. (16.7M variables)
Strobing	Single color or transitional	Single color or transitional
Cross Fade	Cross fade between colors	Cross fade between colors
Chasing	Color chasing	Color chasing
Color Cycle	Cycling	Cycling

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LED

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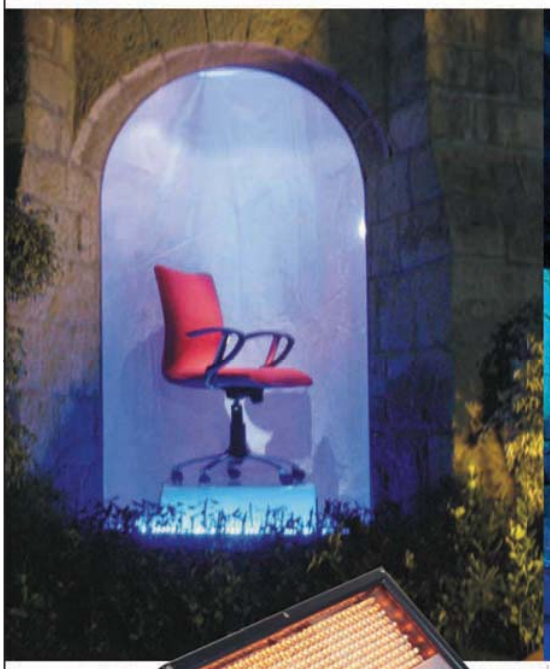

A

W

B

Specifications

Item No.	***LW-320x130-WP-A*** (Amber)	***LW-320x130-WP-SB-W*** ***LW-320x130-WP-UB-W*** (White)	***LW-320x130-WP-B*** (Blue)
LED Color Range	Amber	White	Blue
Light Source	Super bright LED	Super bright LED	Super bright LED
LED Qty.	Amber 270	White 270	Blue 270
Beam Angle	45°	45°	45°
Light Projecting Distance	20m	20m	20m
Fixture Housing	Die Cast Powder Coated Aluminum	Die Cast Powder Coated Aluminum	Die Cast Powder Coated Aluminum
Connecting Mode	Power cord	Power cord	Power cord
Weight	3.9Kg	3.9Kg	3.9Kg
Dimensions	L320xW145xH225mm	L320xW145xH225mm	L320xW145xH225mm

Electrical Specifications

Operating Voltage	90-264V AC/124V DC	90-264V AC/12V DC	90-264V AC/12V DC
Operating Current	Max. 1.3A	Max. 1.3A	Max. 1.3A
Power Consumption	25watts	25watts	25watts

Environmental Specifications

Operating Temperature	-20°C ~ +40°C	-20°C ~ +40°C	-20°C ~ +40°C
IP Rating	IP65	IP65	IP65

LED

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RGB Type
AWB Type
Amber Type
White Type
Blue Type

Controllers:

DMX-512
SRC-AI-100
* Controllers sold separately

DMX-512 Controllers direct to fixture types
XLR-Male to Mini Female XLR
Part# XLRM-M-XLRF

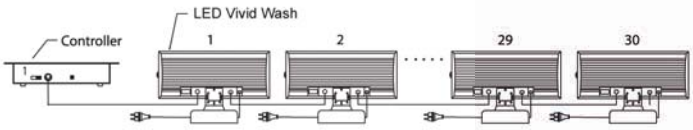
XLR-Female to Mini Male XLR
Part# XLRF-M-XLRM

Connection Example

DMX 512 or SRCAI-100

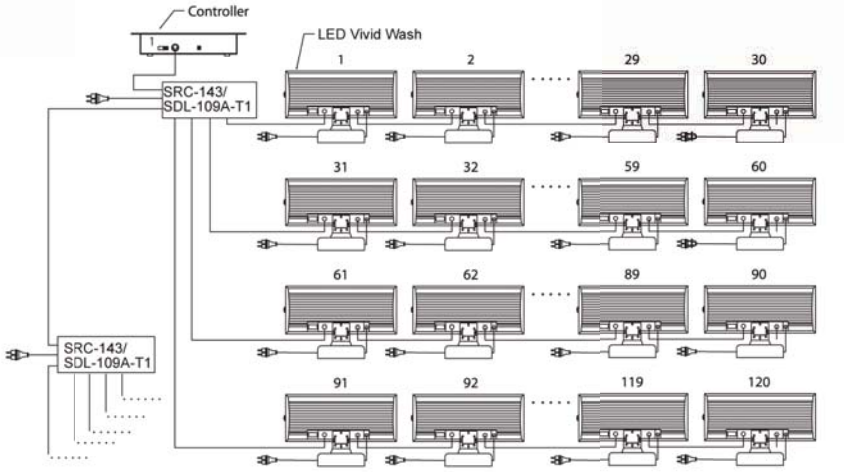
Example 1

Up to 30 units can be connected in this configuration without the need for a signal amplifier. See Example 2 for larger applications and requirements.



Example 2

(When more than 30 Fixtures from one controller is required and the distance of more than 150 Meters distance between the controller and last fixture is required)
Add (1) Signal Amplifier SRC-143 for every 4 groups of 30 fixtures (120 Total per SRC-143)
Connect the output of the first SRC-143 to the input of the next SRC-143 to add additional groups.



DMX Function Chart

Mode	DMX Channels	Channel	Name	Value	function
1 Pixel	3	1	Red	0-255	0-100% Intensity
		2	Green	0-255	0-100% Intensity
		3	Blue	0-255	0-100% Intensity

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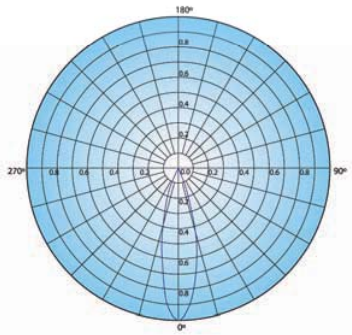
LED Vivid Wash I

Due to the limitation of the type set, this catalog's specifications for each fixture may not be shown. For more information on other models please contact your Neo-Neon™ Sales Associate.

Candle Power Distribution

LW-320*130-WP-SB/UB (RGB)

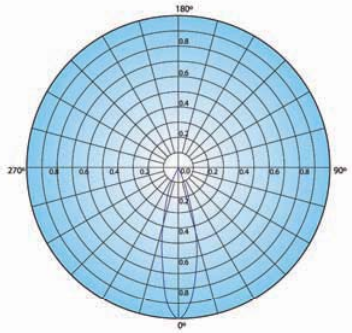


Testing Circumstance	
Installation position	Horizontal
Testing surface	A-A surface

Electrical Parameters	
Current	0.253 A
Voltage:	12V DC
Power consumption	25W

Testing Result	
Max. luminous intensity	1022.806cd
Luminous flux	370.7lm
Efficacy	11.029lm/w
Beam angle	45°
Remark	Controlling standard voltage 220V

LW-320x130-WP-SB/UB-W (WLED White LED)



Illuminance Distribution

										0.5M
70.5	80.4	92.6	116.3	129.4	137.4	118.7	102.5	84.3	75.5	
81.1	104.3	167.2	258.1	324.1	314.4	248.1	162.4	137.1	85.3	
112.4	173.1	334.1	601.1	762.5	694.1	581.6	272.3	157.2	102.2	
142.8	272.3	634.7	1057.3	1263.0	1157.9	839.1	782.5	234.7	124.6	
162.3	380.4	812.4	1265.5	1626.6	1547.5	1125.0	643.1	292.3	151.3	
157.7	338.9	753.2	1243.2	1301.1	1534.1	1141.2	692.1	299.1	153.1	0M
137.7	246.9	535.2	937.8	1214.0	1224.3	952.6	552.1	257.9	133.1	
112.0	167.2	298.6	561.3	761.3	772.7	573.3	319.5	152.1	102.3	
94.3	123.0	162.1	263.2	317.8	321.0	224.3	141.5	103.5	81.0	
82.9	93.9	112.3	123.7	132.6	134.5	112.5	95.0	78.2	70.6	
0.5M				0M						0.5M

Units	Lux
Color	White
Direction	On axis
Testing Distance	1m
Multipliers	0.115 Red, 0.378 Green, 0.506 Blue

Illuminance at Distance

LW-320*130-WP-SB/UB (RGB)

Distance(m) / Color	1	2	3	4	5
White	1943.5	486.1	250.4	135.1	75.6
Red	258.3	67.0	30.5	20.2	12.3
Green	805.5	205.5	96.9	52.3	37.8
Blue	885.5	250.3	135.3	70.5	46

LW-320x130-WP-SB/UB-W (WLED White LED)

Distance(m) / Color	1	2	3	4	5
White	1724.3	456.1	208.4	118.1	74.6

Unit: Lux
Direction: On axis

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