



BROADWAVE™ LED WALL WASHER

SPECIFICATION SHEET

- Extruded aluminum body & tempered glass
- IP 65 wet/outdoor
- 150° rotary angle
- Wall and ceiling mountable
- DMX-512 controllable



SPECIFICATIONS

Input ¹: 100-256VAC, 50/60Hz

Power Connection: AC power plug (56 in. length)

Operating Voltage: 24V DC

Power Consumption: 24.5W(18 in.), 48.5W(49 in.)

LED Chip Type: Edison

LED Chip Beam Angle: 45°

CRI: 70 (6000K)

Mounting ²: (2x) integrated 150° surface-mount brackets. Each bracket has (2x) 5/16 in. mounting holes. Wall & ceiling mountable

Maximum Run: 10 fixtures (expandable with use of 8-Way DMX Splitter)

Connections: 1ea. male/female wet location 3-pin M14 cables (15 in. length). M14-to-XLR-3 adapter cables also included

Dimmable ³: May be dimmed/controlled using on-board controls or with a compatible DMX-512 controller

Ambient Temp ⁴: -4° ~ 104° F (-20° ~ 40° C)

Operating Temp ⁵: -4° ~ 131° F (-20° ~ 55° C)

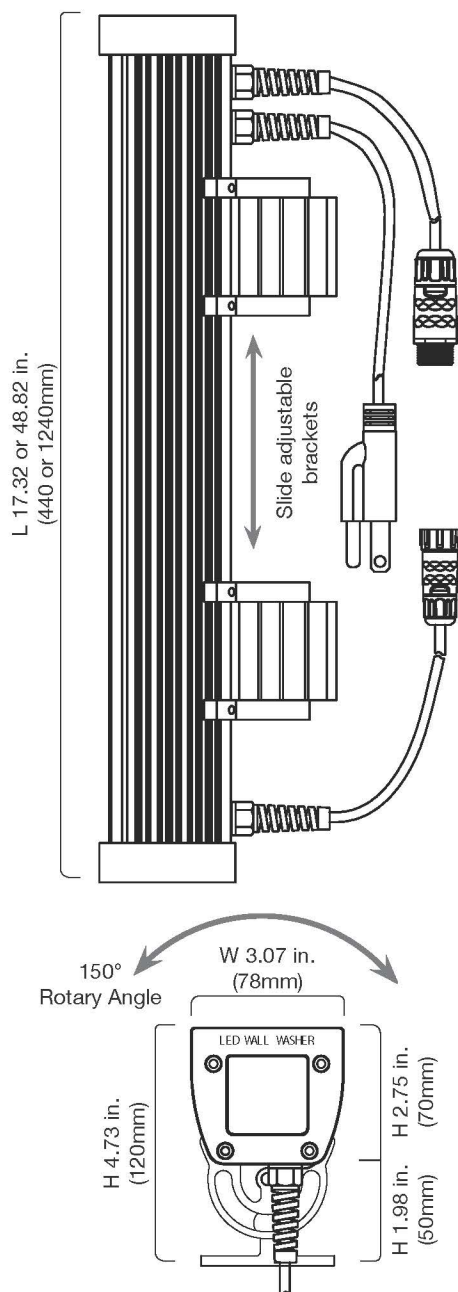
Housing / Cooling: Extruded aluminum casing; tempered glass / cooling by free air convection

Environment ⁶: IP65 wet/outdoor

Dimensions: 17.32 x 3.07 x 4.73 in. (L x W x H)

Weight: 5.07 lbs.(18 in.), 13.01 lbs.(49 in.)

Certifications: UL Listed (US & Canada) ANSI/UL 153, ANSI/UL 8750 - Light Emitting Diode Luminaires, Portable. E466305



	CCT (Kelvin)	Lumens ⁷	LED Chips	Efficacy ⁸ (lm/W)
	-	423	R=4, B=4, G=4	17.3
	6000K	827	12	33.9
	-	1203	R=12, B=12, G=12	24.8
	6000K	2318	36	47.8

Note ¹ Only UL Listed for connection with a 120VAC, 15- or 20-ampere branch circuit.

Note ² When mounting to walls and ceilings, use applicable lag bolts and consider the strength of these surfaces versus the weight of the fixture.

Note ³ Not compatible with standard High Voltage AC dimming controls.

Note ⁴ Do not install product in an environment outside the listed ambient temperature. Ensure adequate airflow and heatsinking is considered when mounting/installing. Exceeding the maximum ambient temperature may damage LED chips by reducing the total lamp life, lumen output, and/or adversely impact color consistency.

Note ⁵ Operating temperature is measured according to the minimum and maximum ambient temperature environment.

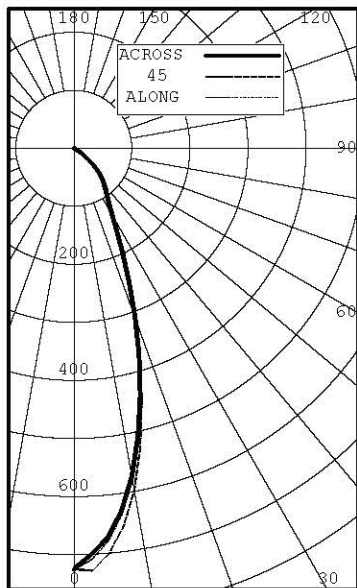
Note ⁶ When installing outdoors or in a damp location, ensure water-resistant end caps are connected to all wet location 3-pin M14 cables. If attaching XLR-3 DMX adapter cables seal all standard XLR-3 connections with 1.25" heat shrink and finish with waterproof tape (not included). Do not use liquid sealants of any kind.

Note ⁷ Lumen value measured in accordance to IES LM-79-08. LED chips have a luminous flux range with a tolerance of +/- 5%.

Note ⁸ Efficacy value referenced from IES LM-79-08.

18 in. BROADWAVE™ RGB

POLAR CANDELA DISTRIBUTION GRAPH



INTENSITY (CANDLEPOWER) SUMMARY

ANGLE	BEAM SIDE				
	ALONG	22.5	45	67.5	ACROSS
0	725	725	725	725	725
5	680	687	700	694	673
10	578	585	599	595	574
15	441	445	451	451	441
20	304	306	308	309	308
25	194	197	201	199	198
30	133	133	138	133	131
35	103	103	107	101	100
40	84	84	88	83	81
45	67	65	70	66	64
50	45	43	47	45	43
55	25	24	26	25	23
60	12	12	12	12	11
65	6	6	6	6	5
70	3	2	2	2	2
75	1	1	1	1	1
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMENS AND PERCENTAGES

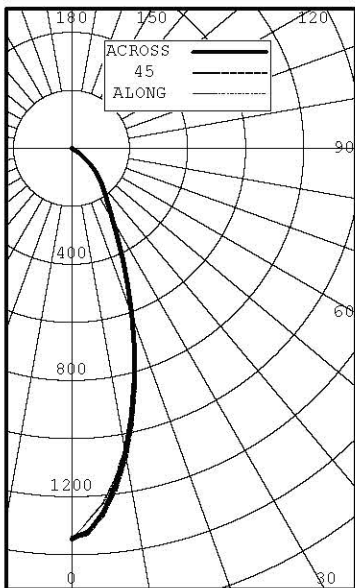
ZONE	LUMENS	% LUMINAIRE
0-30	278	65.63
0-40	343	81.07
0-60	416	98.36
0-90	423	100.00
40-90	80	18.93
60-90	7	1.64
90-180	0	0.00
0-180	423	100.00

Cone Of Light Tabulation

Mounting Height (Feet)	Footcandles at Nadir	Diameter (Feet)
4.00	45.5	2.33
6.00	20.2	3.49
8.00	11.4	4.65
10.0	7.28	5.82
12.0	5.05	6.98
14.0	3.71	8.14
16.0	2.84	9.31

18 in. BROADWAVE™ 6000K

POLAR CANDELA DISTRIBUTION GRAPH



INTENSITY (CANDLEPOWER) SUMMARY

ANGLE	BEAM SIDE				
	ALONG	22.5	45	67.5	ACROSS
0	1345	1345	1345	1345	1345
5	1228	1273	1271	1273	1257
10	1053	1092	1087	1081	1065
15	834	863	855	849	832
20	615	633	622	617	606
25	422	432	423	419	413
30	286	294	287	284	283
35	209	214	210	208	209
40	162	164	163	162	163
45	122	122	124	123	123
50	80	79	82	81	81
55	44	43	45	45	45
60	22	22	23	22	22
65	11	11	11	11	11
70	5	5	5	5	5
75	2	2	2	2	2
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMENS AND PERCENTAGES

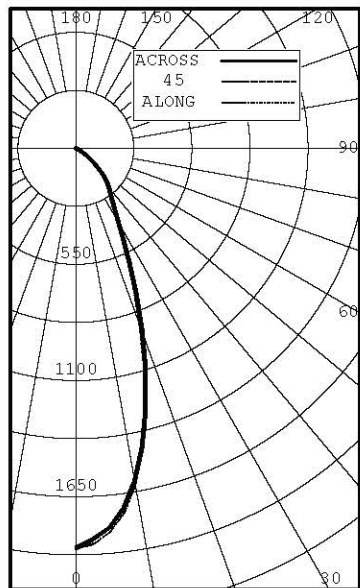
ZONE	LUMENS	% LUMINAIRE
0-30	544	65.83
0-40	678	81.98
0-60	813	98.31
0-90	827	100.00
40-90	149	18.02
60-90	14	1.69
90-180	0	0.00
0-180	827	100.00

Cone Of Light Tabulation

Mounting Height (Feet)	Footcandles at Nadir	Diameter (Feet)
4.00	84.6	2.41
6.00	37.6	3.61
8.00	21.2	4.81
10.0	13.5	6.01
12.0	9.40	7.22
14.0	6.81	8.42
16.0	5.29	9.62

49 in. BROADWAVE™ RGB

POLAR CANDELA DISTRIBUTION GRAPH



INTENSITY (CANDLEPOWER) SUMMARY

ANGLE	BEAM SIDE				
	ALONG	22.5	45	67.5	ACROSS
0	1892	1892	1892	1892	1892
5	1829	1832	1827	1843	1805
10	1618	1622	1620	1636	1600
15	1269	1265	1262	1297	1278
20	889	884	876	915	916
25	571	573	574	597	603
30	382	385	389	399	402
35	297	297	296	297	301
40	244	242	242	241	244
45	190	187	189	189	190
50	126	123	125	126	125
55	68	66	68	69	68
60	33	32	33	34	33
65	16	15	15	16	15
70	7	7	7	7	7
75	2	2	2	2	2
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	788	65.50
0-40	977	81.21
0-60	1184	98.40
0-90	1203	100.00
40-90	226	18.79
60-90	19	1.60
90-180	0	0.00
0-180	1203	100.00

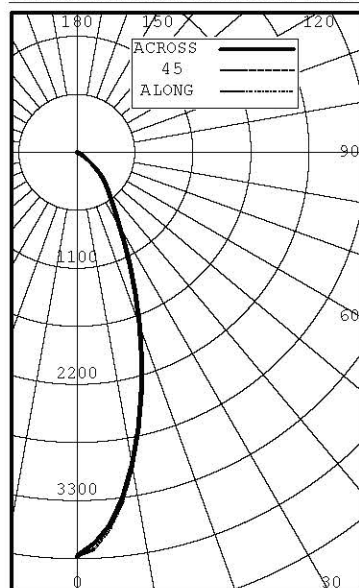
Cone Of Light Tabulation

Mounting Height (Feet)	Footcandles at Nadir	Diameter (Feet)
4.00	118	2.50
6.00	52.6	3.75
8.00	29.6	5.00
10.0	18.9	6.25
12.0	13.2	7.51
14.0	9.66	8.76
16.0	7.40	10.0

* Photometric data complies with LM-79-08, ANSI C82.77-02.

49 in. BROADWAVE™ 6000K

POLAR CANDELA DISTRIBUTION GRAPH



INTENSITY (CANDELPPOWER) SUMMARY

ANGLE	BEAM SIDE				
	ALONG	22.5	45	67.5	ACROSS
0	3825	3825	3825	3825	3825
5	3572	3600	3598	3621	3547
10	2992	3026	3042	3071	3007
15	2316	2339	2357	2399	2359
20	1691	1696	1706	1751	1733
25	1159	1167	1174	1204	1196
30	791	796	805	816	810
35	587	588	595	596	586
40	455	452	460	458	450
45	346	342	351	351	342
50	230	225	232	233	226
55	125	122	126	128	124
60	62	61	62	64	62
65	32	31	32	32	31
70	16	16	16	16	16
75	7	7	7	7	7
80	2	2	2	2	2
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	1520	65.56
0-40	1895	81.73
0-60	2276	98.19
0-90	2318	100.00
40-90	423	18.27
60-90	42	1.81
90-180	0	0.00
0-180	2318	100.00

Cone Of Light Tabulation

Mounting Height (Feet)	Footcandles at Nadir	Diameter (Feet)
4.00	240	2.37
6.00	106	3.55
8.00	59.9	4.73
10.0	38.3	5.92
12.0	26.6	7.10
14.0	19.6	8.29
16.0	15.0	9.47

* Photometric data complies with LM-79-08, ANSI C82.77-02.

DMX CONTROLLERS

The following DMX Controllers may be utilized with our DMX fixtures and accessories.

	Type	Description	Image
	DMX Wi-Fi Wall-Mount Controller	This simple and intuitive DMX controller commands up to four zones with WiFi connectivity to a mobile device.	
	Nicolaudie STICK 1 DMX Color Controller	Our most sophisticated unit offers professional-grade DMX512 control in a user-friendly control pad.	
	Nicolaudie STICK 2 DMX Color Controller	Sophisticated and modern touch-sensitive keypad selects mode, speed, and dimming.	
	Nicolaudie Easy Stand Alone DMX LED Color Controller	Program lighting scenes from a computer to the independent free-standing controller.	
	SQUARE-PRO Junction Box	Included with the following controllers: DMX WiFi Wall Mount Zone LED Controller, Nicolaudie STICK 1 Controller, and Nicolaudie STICK 2 Controller. Also sold separately. Features 3x 0.5 in. and 5x 0.75 in. knockouts. Dimensions: 2.83 x 1.89 x 2.83 (L x D x H)	

Note: accessories sold separately

DMX ACCESSORIES

The following DMX Accessories may be utilized with our DMX fixtures and controllers.

	Type	Description	Image
	DMX 4-Channel Decoder	Pair with a DMX controller to control solid color, RGB, and RGBW LED fixtures. Features a digital display for easy addressing.	
(female) (male)	Wireless DMX Transmitter/Receiver	Wirelessly connects DMX devices: Fixture to fixture, fixture to controller, and decoder to decoder. Features XLR-3 connections.	
	DMX 8-Way Splitter	Amplifies and splits a DMX signal up to 8 ways. Features 1x male XLR-3 input connection, and 8x female XLR-3 output connections.	
	DMX XLR-3 Connector Pair	Utilize this XLR-3 connector pair to create custom length DMX extensions. Sold by the pair (male/female). Male: 2.8 x .71 in. (L x Dia.). Female: 2.4 x .71 in. (L x Dia.)	
	XLR-3 to RJ45 Adapter Connector Pair	Converts RJ45 data cables to XLR-3 DMX connections. Sold by the pair (male/female) Male & Female: 2.58 x .87 x .98 in. (L x W x H)	
	20 ft. DMX XLR-3 Extension Cable	Creates an extension between DMX fixtures and accessories. Features XLR-3 connections. Wire: 18/3 AWG. Male connection: 2.8 x .71 in. (L x Dia.) Female: 2.4 x .71 in. (L x Dia.)	
	RJ45 Coupler	Female-to-female accessory quickly connects two RJ45 accessories. Dimensions: 1.22 x .44 x .87 in. (L x W x H)	
	RJ45 Splice Cable	Lead wires connect to wall-mount DMX controllers while RJ45 plug connects to DMX accessories. Dimensions: 6.5 x .4 x .6 (L x W x H)	
	XLR-3 to RJ45 Adapter Cable Pair	Converts RJ45 port of 4-Channel DMX Decoder to a standard XLR-3 connection. Sold by the pair (male/female). Dimensions: 20 x .71 (L x Dia)	
	RJ45 Extension Cable	Creates a 10 ft. extension between DMX fixtures and accessories utilizing RJ45 connections.	

Note: accessories sold separately