

# POOL-RATED NEON RGB

## 24V DC Fully Sealed IP68 Strip Light

The pool-rated Neon RGB strip light is the go-to linear luminaire for pool and underwater lighting. Each custom cut strip light section is IP68 rated for full underwater submergence up to 1.5m. Select between vivid red, green, or blue LEDs for a distinct neon lighting style that makes any water feature stand out.

- RGB Color Selection
- Custom Cut orders with factory assembled leads only - not cuttable in the field
- IP68 rating featuring pool-rated flexible housing design
- Reinforced backing produces stronger bending resistance while protecting the LED chips and strengthening heat dissipation
- Suitable for use in pool/underwater environments with wet location and pool rating
- cULus Listed for indoor and outdoor locations; UL676 for underwater applications
- 30,000 hours rated life
- Chlorine resistant PVC



### POOL-RATED NEON - RGB QUICK SPECS

<b>INPUT VOLTAGE</b>	24V DC
<b>WATTAGE</b>	4.57W per ft
<b>LUMENS</b>	160Lm per ft
<b>COLORS</b>	Red, Green, Blue
<b>MAX RUN</b>	16.4ft
<b>CUTTING POINTS</b>	Every 2.46" (62.5mm) - Custom Orders Only - Factory Sealed
<b>IP RATING</b>	IP68 - Wet Location and Underwater**
<b>CONTROL</b>	DMX for color and dimming
<b>OPERATING TEMP</b>	-10°C (14°F) to 50°C (122°F)**
<b>MAX. WATER DEPTH</b>	2M Maximum Water Depth Submersion
<b>RATING</b>	cULus Listed (Void if field cut) †
<b>RATED LIFE</b>	30000 Hours

\*Minimum loads may apply. Per the NEC, switched wall outlets cannot be used with wall dimmers.

\*\*Do not install during inclement weather

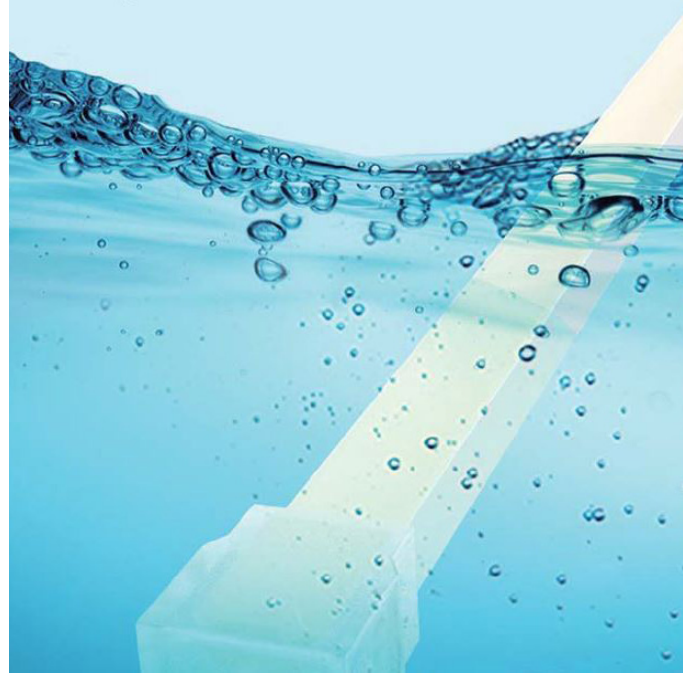
† cULus Listing, temperature, and IP ratings void if product is cut in field.

PROJECT: \_\_\_\_\_

TYPE: \_\_\_\_\_

LOCATION: \_\_\_\_\_

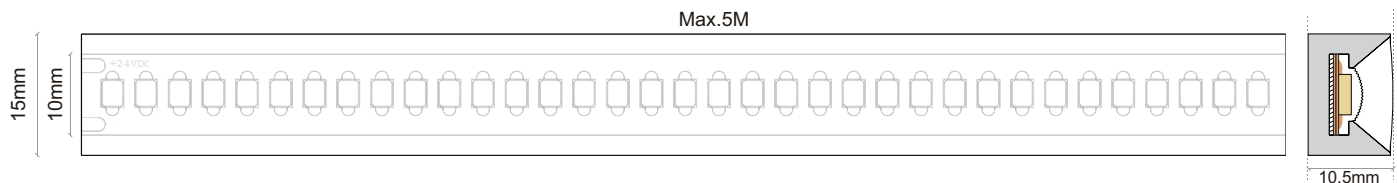
CATALOG NUMBER: \_\_\_\_\_



### POOL-RATED NEON - RGB IP RATINGS

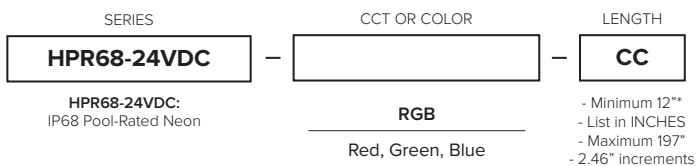


**IP68 (Encased)**  
 Fully encased tape light in sealed silicone extrusion with matte process for wet and pool locations with non-stick surface  
**Best suited:** Indoor & Outdoor wet locations including pools, fountains, and other underwater applications (Max. depth of water - 2m)



**POOL-RATED NEON - RGB CUSTOM CUT ORDERING**

\*Custom Cut Orders - Please Allow Up To 8-12 Weeks Order Processing & Delivery\*



Order must specify length and quantity details.

\*Custom Cut Lengths must be calculated in 2.46" increments (Min 1ft / Max. 16.4ft). See page 3 for cut increment guide.

Each order should include 1x HPR68-24VDC-CC-ASSEMBLY per cut. 6ft lead standard.

**POOL-RATED NEON - RGB ACCESSORIES**

ITEM NUMBER	DESCRIPTION
<b>HPR68-24VDC-18MM-TRACM-3FT</b>	0.93mm Polycarbonate Substrate Mounting Channel, Chlorine resistant hardware and rubber anchor (RGB, SW, SC)
<b>HPR68-24VDC-18MM-CLIPS</b>	Chlorine resistant clips, anchors, and screws (x10)



**HPR68-24VDC-18MM-TRACM-3FT**



**HPR68-24VDC-18MM-CLIPS**

**RECOMMENDED POWER SUPPLIES**

ITEM NUMBER	DESCRIPTION	MAX / MIN LOAD	INPUT VOLTAGE	OUTPUT VOLTAGE	DIMMABLE	DIMENSIONS
<b>ADPTPRO-DRJ-30-24</b>	Adaptive Pro Series 30W	30W / 3W	100-277V AC	24V DC	Yes*	6.49"L x 3.6"W x 1.02"H
<b>ADPTPRO-DRJ-60-24</b>	Adaptive Pro Series 60W	60W / 6W	100-277V AC	24V DC	Yes*	7.44"L x 3.77"W x 1.73"H
<b>ADPTPRO-DRJ-96-24</b>	Adaptive Pro Series 96W	96W / 9.6W	100-277V AC	24V DC	Yes*	8.70"L x 3.77"W x 1.73"H
<b>ADPTPRO-DRJ-192-24</b>	Adaptive Pro Series 192W (2 x 96W)	192W / 19.2W	100-277V AC	24V DC	Yes*	10.94"L x 4.33"W x 1.88"H
<b>ADPTPRO-DRJ-288-24</b>	Adaptive Pro Series 288W (3 x 96W)	288W / 28.8W	100-277V AC	24V DC	Yes*	11.92"L x 4.33"W x 1.88"H
<b>ADPTPRO-200-24</b>	Adaptive Pro Series 200W	200W / 20W	100-277V AC	24V DC	Yes*	10.07"L x 3.07"W x 1.85"H
<b>ADPTPRO-300-24</b>	Adaptive Pro Series 300W	300W / 30W	100-277V AC	24V DC	Yes*	10.86"L x 3.07"W x 1.85"H

\*5-in-1 Dimming Compatible With Most MLV, ELV, and TRIAC Dimmers\*

**POOL-RATED NEON - RGB CUT INCREMENT GUIDE**

Segment	Length (MM)	Length (Inch)	Length (Feet)
1	62.5	2.46	0.205
2	125	4.92	0.41
3	187.5	7.38	0.615
4	250	9.84	0.82
5	312.5	12.3	1.025
6	375	14.76	1.23
7	437.5	17.22	1.435
8	500	19.68	1.64
9	562.5	22.14	1.845
10	625	24.6	2.05
11	687.5	27.06	2.255
12	750	29.52	2.46
13	812.5	31.98	2.665
14	875	34.44	2.87
15	937.5	36.9	3.075
16	1000	39.36	3.28
17	1062.5	41.82	3.485
18	1125	44.28	3.69
19	1187.5	46.74	3.895
20	1250	49.2	4.1
21	1312.5	51.66	4.305
22	1375	54.12	4.51
23	1437.5	56.58	4.715
24	1500	59.04	4.92
25	1562.5	61.5	5.125
26	1625	63.96	5.33
27	1687.5	66.42	5.535
28	1750	68.88	5.74
29	1812.5	71.34	5.945
30	1875	73.8	6.15
31	1937.5	76.26	6.355
32	2000	78.72	6.56
33	2062.5	81.18	6.765
34	2125	83.64	6.97
35	2187.5	86.1	7.175
36	2250	88.56	7.38
37	2312.5	91.02	7.585
38	2375	93.48	7.79
39	2437.5	95.94	7.995
40	2500	98.4	8.2
41	2562.5	100.86	8.405
42	2625	103.32	8.61
43	2687.5	105.78	8.815
44	2750	108.24	9.02
45	2812.5	110.7	9.225
46	2875	113.16	9.43
47	2937.5	115.62	9.635
48	3000	118.08	9.84
49	3062.5	120.54	10.045
50	3125	123	10.25

Segment	Length (MM)	Length (Inch)	Length (Feet)
51	3187.5	125.46	10.455
52	3250	127.92	10.66
53	3312.5	130.38	10.865
54	3375	132.84	11.07
55	3437.5	135.3	11.275
56	3500	137.76	11.48
57	3562.5	140.22	11.685
58	3625	142.68	11.89
59	3687.5	145.14	12.095
60	3750	147.6	12.3
61	3812.5	150.06	12.505
62	3875	152.52	12.71
63	3937.5	154.98	12.915
64	4000	157.44	13.12
65	4062.5	159.9	13.325
66	4125	162.36	13.53
67	4187.5	164.82	13.735
68	4250	167.28	13.94
69	4312.5	169.74	14.145
70	4375	172.2	14.35
71	4437.5	174.66	14.555
72	4500	177.12	14.76
73	4562.5	179.58	14.965
74	4625	182.04	15.17
75	4687.5	184.5	15.375
76	4750	186.96	15.58
77	4812.5	189.42	15.785
78	4875	191.88	15.99
79	4937.5	194.34	16.195
80	5000	196.8	16.4
81	5062.5	199.26	16.605
82	5125	201.72	16.81
83	5187.5	204.18	17.015
84	5250	206.64	17.22
85	5312.5	209.1	17.425
86	5375	211.56	17.63
87	5437.5	214.02	17.835
88	5500	216.48	18.04
89	5562.5	218.94	18.245
90	5625	221.4	18.45
91	5687.5	223.86	18.655
92	5750	226.32	18.86
93	5812.5	228.78	19.065
94	5875	231.24	19.27
95	5937.5	233.7	19.475
96	6000	236.16	19.68
97	6062.5	238.62	19.885
98	6125	241.08	20.09
99	6187.5	243.54	20.295
100	6250	246	20.5



# AMERICAN LIGHTING WARRANTY

## LIMITED WARRANTY FOR LED PRODUCTS: 1 YEAR

### LIMITED PRODUCT WARRANTY

Our products are warranted to be free from defects in material and workmanship for the warranty period listed. Warranty periods begin from the date of shipment from American Lighting Inc's warehouse to the original purchaser. Products that prove to be defective during their specific warranty period will be either repaired or replaced, at the sole discretion of American Lighting Inc. Claims for defective products must be submitted in writing to American Lighting Inc's RGA Department within the warranty period. Upon approval of such return, American Lighting Inc reserves the right to inspect the product for misuse or abuse. Claims for indirect or consequential damages or for product that, in American Lighting Inc's opinion, has been misused will be denied. This is a warranty of product reliability only and not a warranty of merchantability or fitness for a particular purpose. American Lighting Inc shall have no liability whatsoever in any event for payment of incidental or consequential damages, including, without limitations, installation costs and/or damages for personal injury and/or property. These products may represent a possible shock or fire hazard if improperly installed or altered in any way. This warranty does not apply to any product that has not been properly installed in accordance with current local codes and/or the National Electrical Code. Products that require a transformer, driver, or power supply must be used in conjunction with American Lighting Inc's recommended power supply to ensure safety and retain product warranty.

### PRODUCT SPECIFICATIONS

For the latest product information, updates, instructions and details concerning specifications, colors, finishes, performance, installation and design, visit [www.americanlighting.com](http://www.americanlighting.com). Color may vary from the color printed herein due to limitations in photographic and printing processes. American Lighting Inc. reserves the right to change product specifications without notice. Other product specifications such as color temperature, wavelength characteristics and lumen output are subject to production limitations and may vary. LED technology is changing rapidly, and not all color temperatures and performance levels can be duplicated at a later time. Best practices include purchasing 10-15% more for a particular project on the same initial order where white LED color temperatures must be maintained over project and product life. Eventual product replacement should be considered at layout and design stages. Best practices also include testing connections and product performance prior to mounting and/or installing.

### AVERAGE LIFE

Average incandescent lamp life, rated life and average life are terms used to describe the number of hours at which half of the lamps have failed. For LEDs, the hours of rated life specify the point where 70% of original lumen output is reached. Below this point, the effective life is over, however, the LED may still emit light. Individual results may vary with actual environmental conditions including, but not limited to, proper installation, ambient temperature and/or input voltage fluctuations.