

**Disclaimer- I am in no way affiliated with any of the brands or products in this list. I am also not affiliated with any of the retailers in this list that sell the lights. All of the data in this sheet is from the manufacturer unless their claims were disproven by an independent and verifiable source. This is intended to be a helpful guide, not an aquarium light ranking. Please do your own research before making a purchase.**

KEY TO CHART AVAILABLE STARTING ROW 61																	
ROWS 62 THROUGH 67 HAVE LINKS TO USEFUL LIGHTING GUIDES																	
Light/Link	Lumens	Par	Watt	Price	RGB	App	Color Temp	Lifespan	QTY	Total Lumen	Total Watt	Total Cost	Lumens Per Dollar	Watts Per Dollar	Lumens Per Watt	Lumens Per Liter	Reviews
<a href="#">ADA AQUASKY RGB II 60</a>	6,000	N/A	108	\$579.00	Y	Y	8000-11000K	30,000	1	6,000	108	\$579.00	10.3626943	0.186528497	55.55555556	52.63	N/A
<a href="#">ADA Solar RGB</a>	4,250	N/A	130	\$899.99	Y	Y	9000-12000K	30,000	2	8,500	260	\$1,799.98	4.722274692	0.144446049	32.69230769	74.56	N/A
<a href="#">AIH AGU3L-24A</a>	1,589	N/A	24	\$39.99	Y	N	7990K	N/A	3	4,767	72	\$119.97	39.73493373	0.600150038	66.20833333	41.82	4.20
<a href="#">Ailoud B0D4XZVBJD</a>	2,200	N/A	32	\$49.99	Y	N	9000K	N/A	3	6,600	96	\$149.97	44.00880176	0.640128026	68.75	57.89473684	N/A
<a href="#">AQQA LED 24in</a>	1,950	N/A	24	\$47.99	Y	N	6500K	N/A	3	5,850	72	\$143.97	40.63346531	0.500104188	81.25	51.32	4.30
<a href="#">Aqueanet LED 24in</a>	1,500	N/A	N/A	\$29.49	Y	N	6500K	N/A	4	6,000	N/A	\$117.96	50.8646999	N/A	N/A	52.63	4.50
<a href="#">Aquamart Co-Op 24in</a>	2,250	150	26	\$119.99	Y	N	5700K	N/A	3	6,750	78	\$359.97	18.75156263	0.216684724	86.53846154	59.21	4.91
<a href="#">Chihiros A II</a>	2,450	N/A	28	\$83.94	N	Y	8000K	N/A	2	4,900	56	\$228.00	21.49122807	0.245614035	87.5	42.98	4.00
<a href="#">Chihiros A II Max</a>	4,700	N/A	64	\$163.99	N	Y	N/A	N/A	1	4,700	64	\$163.99	28.66028416	0.390267699	73.4375	41.23	N/A
<a href="#">Chihiros A60L</a>	5,800	N/A	39	\$45.00	N	N	8000K	N/A	1	5,800	39	\$45.00	128.8888889	0.866666667	148.7179487	50.88	N/A
<a href="#">Chihiros B60</a>	2,214	N/A	37	\$69.90	Y	Y	N/A	N/A	3	6,642	111	\$209.70	31.67381974	0.530758226	59.67654987	58.26	4.50
<a href="#">Chihiros RGB Vivid II</a>	12,200	280	130	\$469.99	Y	Y	Custom	30,000	1	12,200	130	\$469.99	25.95799911	0.27660163	94	107.02	4.00
<a href="#">Chihiros RGB Vivid Mmi</a>	5,000	N/A	75	\$328.99	Y	Y	Custom	50,000	1	5,000	75	\$328.99	15.19803034	0.227970455	67	43.86	4.70
<a href="#">Chihiros WRGB II 10th</a>	5,900	N/A	67	\$250.90	Y	Y	Custom	N/A	1	5,900	67	\$250.90	23.51534476	0.267038661	88	51.75	N/A
<a href="#">Chihiros WRGB II Pro 60cm</a>	6,630	N/A	74	\$328.99	Y	Y	Custom	N/A	1	6,630	74	\$328.99	20.15258822	0.224930849	90	58.16	4.30
<a href="#">Chihiros WRGB Slim</a>	2,400	N/A	45	\$194.99	Y	Y	Custom	N/A	3	7,200	135	\$584.97	12.3083235	0.230781066	53	63.16	4.60
<a href="#">Dennerle Tropical Flat 45</a>	2,520	N/A	19	\$208.55	N	N	6500K	50,000	2	5,040	39	\$417.10	12.08343323	0.093023256	130	44.21	N/A
<a href="#">Fluval 3.0 32 Watt</a>	2,350	110	32	\$169.99	Y	Y	6500K	50,000	3	7,050	96	\$509.97	13.82434261	0.188246367	73	61.84	4.70
<a href="#">Fluval Aquasky</a>	1,250	N/A	18	\$109.91	Y	Y	3000-25000K	50,000	4	5,000	72	\$439.64	11.3729451	0.163770358	69	43.86	4.60
<a href="#">Gamalta YG-HD-700</a>	1,612	N/A	22	\$45.99	Y	N	6498K	N/A	3	4,836	66	\$137.97	35.05109806	0.478364862	73	42.42	4.50
<a href="#">HIGHTOP Full Spectrum</a>	3,000	N/A	25	\$22.97	Y	N	6500K	N/A	2	6,000	50	\$45.94	130.6051371	1.088376143	120	52.63	4.20
<a href="#">Hiro B Series WRGB 70</a>	3,500	N/A	70	\$209.99	Y	N	7250K	N/A	2	7,000	140	\$419.98	16.66746036	0.333349207	50	61.4	4.50
<a href="#">Hiro S Series WRGB 95</a>	5,750	N/A	95	\$269.99	Y	N	9000-12000K	N/A	1	5,750	95	\$269.99	21.29708508	0.351864884	61	50.43859649	4.75
<a href="#">Hygger 100w COB</a>	3,011	N/A	100	\$135.99	Y	N	13220K	50,000	2	6,022	200	\$271.98	22.14133392	0.735348187	30	52.82	4.60
<a href="#">Hygger BOC90L375</a>	1,360	N/A	26	\$49.99	Y	N	6000-10000K	N/A	4	5,440	104	\$199.96	27.20544109	0.520104021	52	47.72	4.40
<a href="#">Hygger B08N197NGW</a>	1,583	N/A	22	\$48.99	Y	N	6500K	50,000	3	4,749	66	\$146.97	32.31271688	0.449071239	72	41.66	4.50
<a href="#">Hygger HG957</a>	1,984	N/A	36	\$54.99	Y	N	6500-10000K	30,000	3	5,952	108	\$164.97	36.07928714	0.654664484	55	52.21	4.20
<a href="#">Hygger Smart Aquarium Light</a>	2,275	N/A	18	\$89.99	Y	Y	3000-6700K	N/A	3	6,825	54	\$269.97	25.28058673	0.200022225	126	59.87	4.10
<a href="#">Lantern 60</a>	4,055	N/A	27	\$129.99	Y	N	7500-15000K	30,000	2	8,110	54	\$259.98	31.19470729	0.207708285	150	71.14	3.70
<a href="#">LED Star AQZ RGB Gen3</a>	5,302	105	80	\$229.99	Y	Y	9000-11000K	N/A	1	5,302	80	\$229.99	23.05317623	0.34784121	66	46.51	4.60
<a href="#">Lomime A120 New-F</a>	4,325	N/A	80	\$108.99	N	Y	N/A	N/A	2	8,650	160	\$217.98	39.68253968	0.734012295	54	75.88	4.00
<a href="#">Magtool 60cm</a>	1,950	N/A	36	\$49.00	Y	Y	6500-12000K	N/A	3	5,850	108	\$147.00	39.79591837	0.734693878	54	51.32	4.40
<a href="#">Nierex Classic LED PLUS</a>	1,000	N/A	18	\$39.99	Y	N	6500K	N/A	5	5,000	90	\$199.95	25.00625156	0.450112528	56	43.85964912	4.60
<a href="#">ONF Flat 1+</a>	5,500	N/A	N/A	\$414.99	N	Y	3000-20500K	50,000	1	5,500	N/A	\$414.99	13.25333141	N/A	N/A	48.25	4.50
<a href="#">Seamour</a>	1,260	N/A	18	\$37.99	Y	N	6500K	N/A	5	6,300	90	\$189.95	33.1666228	0.473808897	70	55.26	4.50
<a href="#">Skylight AQI Intense-60</a>	1,800	N/A	48	\$295.00	Y	N	6000-12000K	N/A	3	5,400	144	\$885.00	6.101694915	0.162711864	38	47.37	N/A
<a href="#">Skylight Entry FL 60</a>	3,220	N/A	32	\$229.00	Y	Y	3000-30000K	N/A	2	6,440	64	\$458.00	14.06113537	0.139737991	101	56.49	N/A
<a href="#">Skylight Hyperbar FL60</a>	5,400	N/A	64	\$650.00	Y	Y	3000-30000K	N/A	1	5,400	64	\$650.00	8.307692308	0.098461538	84	47.37	N/A
<a href="#">Skylight Hyperspot M</a>	6,750	N/A	72	\$625.00	Y	Y	6500-9000K	N/A	1	6,750	72	\$625.00	10.8	0.1152	94	59.21052632	N/A
<a href="#">Twinstar 600E V 4</a>	2,500	N/A	40	\$149.99	Y	N	7050K	30,000	2	5,000	80	\$299.98	16.66777785	0.266684446	63	43.86	4.70
<a href="#">Twinstar 60B</a>	1,741	N/A	23	\$69.99	Y	N	N/A	30,000	3	5,223	69	\$209.97	24.87498214	0.328618374	76	45.82	4.70
<a href="#">Twinstar 60C</a>	2,056	N/A	32	\$119.99	Y	N	7000K	30,000	3	6,168	96	\$359.97	17.13476123	0.266688891	64	54.11	4.70
<a href="#">Twinstar A 60</a>	1,116	N/A	18	\$59.99	Y	N	7500K	30,000	5	5,580	90	\$299.95	18.60310052	0.300050008	62	48.95	4.00
<a href="#">Twinstar EA Vr 4</a>	2,100	N/A	40	\$137.99	Y	N	7050K	30,000	3	6,300	120	\$413.97	15.21849409	0.289876078	53	55.26	4.90
<a href="#">Twinstar S Vr 4 - 60cm</a>	3,620	180	59	\$178.99	Y	N	9200K	30,000	2	7,240	118	\$357.98	20.22459355	0.329627353	61	63.51	4.50
<a href="#">UNS Titan 1</a>	3,500	220	90	\$424.99	Y	N	9000-12000K	30,000	2	7,000	180	\$849.98	8.235487894	0.211769689	39	61.4	4.80
<a href="#">Week Aqua A430Pro</a>	7,200	250	120	\$379.99	Y	Y	9000-12000K	N/A	1	7,200	120	\$379.99	18.94786705	0.315797784	60	63.16	N/A
<a href="#">Week Aqua L600</a>	3,300	N/A	60	\$169.00	Y	Y	9000-12000K	N/A	2	6,600	120	\$338.00	19.52662722	0.355029586	55	57.89473684	N/A
<a href="#">Week Aqua Pandora P 60cm</a>	5,400	90	90	\$239.99	Y	Y	9000-12000K	N/A	1	5,400	90	\$239.99	22.50093754	0.375015626	60	47.37	4.50
<a href="#">Week Aqua T90Pro</a>	4,950	N/A	90	\$199.99	Y	Y	9000-12000K	N/A	1	4,950	90	\$199.99	24.75123756	0.450022501	55	43.42	N/A
<a href="#">Week Aqua Z200 Pro</a>	3,850	N/A	70	\$139.99	Y	Y	Custom	N/A	2	7,700	140	\$279.98	27.50196443	0.500035717	55	67.54	N/A
<a href="#">WEEK AQUA Z400Z PRO</a>	5,850	N/A	90	\$229.79	Y	Y	Custom	N/A	1	5,850	90	\$229.99	25.43588852	0.391321362	65	51.32	N/A
<a href="#">Week Aqua M Series 60</a>	2,200	N/A	40	\$120.98	Y	Y	Custom	N/A	3	6,600	120	\$362.94	18.18482394	0.330633163	55	57.89	N/A
<a href="#">Wills Aquarium light 165L</a>	7,358	N/A	165	\$89.99	Y	N	N/A	50,000	1	7,358	165	\$89.99	81.76464052	1.83353706	44.59393939	64.54	4.30
<a href="#">Wills Aquarium light 300W</a>	11,340	N/A	300	\$189.99	Y	N	N/A	50,000	1	11,340	300	\$189.99	59.68735197	1.579030475	37.8	99.47	4.30

**Key-** Note, this data uses 60cm or 24in lights that would be placed on a 60H aquarium with a volume of 30 gallons or 114 liters.

**Light-** Light brand and model. The names of lights are also links to where you can buy the light.

**Lumens-** Lumens made by the light as stated by manufacturers.

**PAR-** This is the measurement of Par if it was available, this data not all measured consistently or verified independently so consider it an estimate.

**Watt-** Watts made by the lights as stated by manufacturers.

**Price-** Lowest Retail price not on sale and sold by trustworthy retailers.

**RGB-** Does the Light have Red, Green, Blue.

**App-** Is the light controllable by an App. (If WIFI controller is sold separately, it will not count)

**Color Temp-** Color Temp or Range of color temp in Kelvin as stated by manufacturer.

**Lifespan-** LED Lifetime hours according to manufacturers.

**QTY-** Number of lighting units needed to reach high light defined by Tropica as 40 lumens per liter.

**Total Lumen-** Total Lumens provided with quantity listed.

**Total Watt-** Total Watts provided with quantity listed.

**Total Cost-** Total cost for all units needed to reach High Light when defined as 40 lumens per liter.

**Lumens per Dollar-** Total Lumens divided by Total Cost.

**Watts per dollar-** Total Watts divided by Total Cost.

**Lumens per Watt-** Lumens divided by Watts.

**Lumens Per Liter** - Total Lumens divided by 114 which is the volume of the baseline tank in this data set. (Note- Tropica Light levels, (10-20Lumens/Liter, Low light), (20-39, Medium Light), (Greater than 40, high Light.)

**Ratings-** This is an average of ratings for the lights from a variety of sources they can be purchased. N/A indicates there were not enough verified reviews for an accurate representation.

**Color Coding for Light Models and Brands-** If a brand is highlighted it indicates it is intended for planted tanks and the manufacturer/brand has good reviews. The exact color of a brand doesn't mean anything it is only for the sake of organization.

**Black Bars** - These are only to help differentiate between brands.

**USEFUL LIGHTING GUIDES**

Fertilizer Brand and Mix	N	P	K	Fe	Mg	Cost	Dose
<a href="https://www.sunken-treasure-aquatics.com">https://www.sunken-treasure-aquatics.com</a>							
<a href="https://tropica.com/en/guide/make-you">https://tropica.com/en/guide/make-you</a>	APT 1	-	-	6.7	0.094	1.16	\$19.12 1ml Per 10gal/daily
<a href="https://www.aquariumcoop.com/blogs/">https://www.aquariumcoop.com/blogs/</a>	APT 3	0.67	0.51	6.7	0.094	1.16	\$19.12 1ml Per 10gal/daily
<a href="https://buceplant.com/blogs/aquascapi">https://buceplant.com/blogs/aquascapi</a>	Aquarium Co-Op Easy Green	2.66	0.46	9.21	0.13	0.7	\$19.99 1ml Per 10gal/1-2x week
<a href="https://dustinsfish tanks.com/blogs/dust">https://dustinsfish tanks.com/blogs/dust</a>	Seachem Flourish	0.07	0.01	0.37	0.32	0.11	\$20.98 1ml per 12gal/ 1-2x week
	API Leaf Zone	-	-	3	0.1	-	\$8.19 5ml per 10gal/ 1x week
	Thrive	2.56	1.58	9.7	0.65	0.32	\$28.99 2ml per 10gal/ 1-3x week
	Thrive S	0.43	0.14	5.5	0.38	0.32	\$28.99 1 pump per 5 gal/ 1-3x week
	Thrive C	1.24	0.53	5.06	0.32	0.29	\$28.99 1ml per 10gal/ 1-2x week
	Thrive+	3.09	1.58	10.4	0.65	0.32	\$28.99 1 pump per 10 gal/ 2-3x week
	Fluval Grow+	0.3	0.01	0.4	0.65	-	\$6.51 1ml per 12 gal/ 1x week
	Aqueon	-	-	1	0.12	0.03	\$14.99 1ml per gal/ 1x week

Timestamp

If you have a light you wc Is there an inaccuracy on If you have additional dat