





# UNDERWATER LIGHT COMPARISON



Test Date: 05/15/2018

Testing was done in accordance with IESNA LM-79 protocols using a 1m Integrating Sphere, Type-C Goniophotometer and associated instruments. Representative lights were independently procured through standard distribution channels.

## MULTI-COLOR OUTPUT LIGHTS

Product Brand Light Model	Advertised Lumens (white)	White	Measured Lumens Blue	Red	Green	List Price MSRP	Lumens Per \$ (wht)	Lumens Per \$ (blue)	Voltage vDC	Housing Material	Warranty Term
 Lumitec SeaBlazeX2 (Dual-Color)	5000	6366	1032	N/A	N/A	\$399	15.95	2.58	10-30	Bronze	3 Yrs
 Lumitec SeaBlazeX2 (Spectrum RGBW)	6000	6137	1012	2114	2526	\$599	10.24	1.68	10-30	Bronze	3 Yrs
 Lumitec SeaBlaze Quattro (Dual-Color)	2000	2194	453	N/A	N/A	\$289	7.59	1.56	10-30	Bronze	3 Yrs
 Lumitec SeaBlaze Quattro (Spectrum RGBW)	2000	2194	453	470	600	\$349	6.28	1.29	10-30	Bronze	3 Yrs
 Lumishore SMX93 (Spectrum RGBW)	4000	4284	372	1207	1592	\$599	7.15	0.62	10.5-31	Bronze	2 Yrs
 Lumishore SMX23 Supra (Dual-Color)	2500	2336	290	N/A	N/A	\$299	7.81	0.96	10.5-31	Bronze	2 Yrs
 OceanLED S3124s (Dual-Color)	3000	2537	342	N/A	N/A	\$419	6.05	0.81	9-32	Bronze	2 Yrs
 OceanLED S3166s (Full-Color RGB)	3500	3080	477.8	1429	2030	\$649	4.74	0.73	9-32	Bronze	2 Yrs
 Shadow-Caster SCR-24 CC (Full-Color RGB)	7500	2305	459.5	747.7	1034	\$789	2.92	0.58	10-40	Bronze	2 Yrs

LUMENS SOURCE: Integrating sphere measurements  
 LIST PRICE SOURCE: Retail market data  
 LUMENS PER DOLLAR SOURCE: Calculated  
 VOLTAGE SOURCE: Manufacturer's data/product packaging  
 MATERIAL: Manufacturer's data/product instructions

■ Above Advertised Lumens ■ Below Advertised Lumens






# UNDERWATER LIGHT COMPARISON



Test Date: 05/15/2018

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## SINGLE-COLOR OUTPUT LIGHTS

Product Brand Light Model	Advertised Lumens (white)	Measured Lumens				List Price MSRP	Lumens Per \$ (wht)	Lumens Per \$ (blue)	Voltage vDC	Housing Material	Warranty Term
		White	Blue	Red	Green						
 OceanLED S3116s (Single-Color White)	5000	4188	N/A	N/A	N/A	\$399	10.49	N/A	9-32	Bronze	2 Yrs
 OceanLED S3116s (Single-Color Blue)	5000	N/A	470	N/A	N/A	\$399	N/A	1.17	9-32	Bronze	2 Yrs
 Abyss Starfish Mini 401729B (Single-Color Blue)	3400	N/A	483	N/A	N/A	\$399	N/A	1.21	12	Stainless Steel	2 Yrs
 Shadow-caster SCR-24 GW (Single-Color White)	7500	4582	N/A	N/A	N/A	\$549	8.34	N/A	10-40	Bronze	2 Yrs
 Aqualuma FF12B (Single-Color Blue)	10460	N/A	381	N/A	N/A	\$424	N/A	0.89	12-24	Plastic	2 Yrs

LUMENS SOURCE: Integrating sphere measurements  
 LIST PRICE SOURCE: Retail market data  
 LUMENS PER DOLLAR SOURCE: Calculated  
 VOLTAGE SOURCE: Manufacturer's data/product packaging  
 MATERIAL: Manufacturer's data/product instructions

■ Above Advertised Lumens ■ Below Advertised Lumens