B6W Underwater LED light

Aquatech corporation

Single Colour model

Technical Specifications

EnabLED Licensing Program for LED Lumina ires and R etrofit Bulbs
Member AQUA IDEA Ltd.

CLASS III 12 VAC CE RoHs IP68 20M

Model no	B6W
LED colour	White/ Blue / Green / WiFi RGB
LED Type	6pcs high power BRIDGELUX/Epistar LED
Material	Epoxy Resin/ PC-body / ABS-Stand
Protection class	IPX8 20M standard / Rohs / CE / IEC60598
Dimension	∅ 90 x 26H(mm)
Power	6W for single colour 12V AC/DC
Cord Length	2M
Light Angle	Spot : 60-90 degree/Wide: 100-120 degree
Illumination	500lm
Mounting	Screw Mounting
Accessories	User's manual x 1 / Stainless steel screw x 3
	Heat-Shrink tubing kits x 1
RGB 4Pin cable	Controlled by Wifi / DMX work with
	Alexa, Google Home , Smart Life , Tuya
Environment	Boat / Jet Ski / Dock / Yacht / Pool
Working period	8hr per day
Package	20pcs / 6.5KG / 0.02cbm per carton
Warranty	Two Year
Boat Size	Up to 9M (30ft)
Transom	0.5 - 1.2M (2-4ft)
Transom Qty	2 - 4pcs

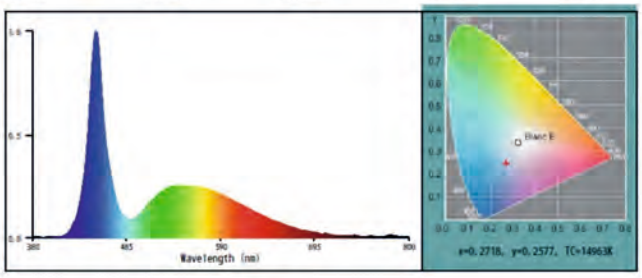
Product information:

Product model:B6W CW — Test time:2019-10-09 10:06:00
Product number: — Environment humidity:65.0 %
Production merchant:AquaIDEA — Environment Temperature:0.0 ℃
Tester:Willson — Verification:——
Test system:Huzhou Sinopol SPL720 Spectral analysis system

CIE Parameter:

Coordinate: x=0.2718, y=0.2577 — CCT:Tc=14963 K — Purity: Purity=28.6%
u'=0.1959, v'=0.4179 — Main Wave: λd=472.2nm — Peak Wave: λp=450nm
Half Width: Δλd=20.2nm — Red Ratio: R=11.7% — Chromatism : SDCM=0.0
Color rendering property :Ra=80.5

R1=84	R2=81	R3=70	R4=87	R5=82
R6=70	R7=88	R8=82	R9=37	R10=49
R11=85	R12=41	R13=83	R14=83	R15=90



Other parameters:

Flux:Φ=402.02 Lm — Efficiency:Effi=60.9 Lm/W — Stability:%=0.03 %
Voltage:VF=12.00 V — Current:IF=0.550 A — Power:P=6.600 W
Power factor:PF=1.000

Please note: Fixture Lumens rating is a measurement of total light output from a finished lighting fixture. This measurement can only be obtained from either a Goniophotometer or an integrating sphere.

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AquaIDEA Underwater Lighting Solutions