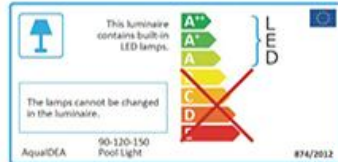


B12W Marine

Surface mount underwater light



Technical Specifications



CLASS III III 12 VAC CE RoHS IP68 20M

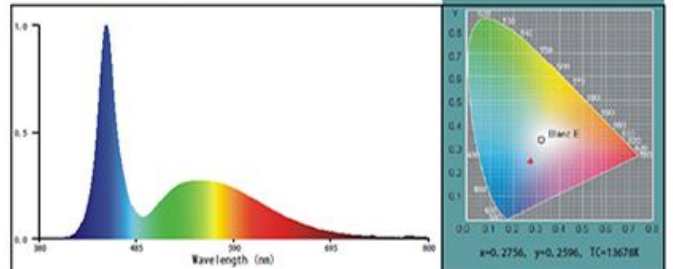
| | |
|------------------|--|
| Model no | B12W |
| LED colour | White/ Blue / Green / WiFi RGB |
| LED Type | 6pcs high power BRIDGELUX / Epistar LED |
| Material | Epoxy Resin/ PC-body |
| Protection class | IPX8 20M standard / Rohs / CE / IEC60598 |
| Dimension | 210L x 80W x 30H (mm) |
| Power | 10W for single colour 12V AC/DC 7W for RGB model 12V DC only |
| Cord Length | 2M |
| Light Angle | Spot : 60-90 degree/Wide: 100-120 degree |
| Illumination | 600lm-900lm |
| Mounting | Screw mounting |
| Accessories | User's manual x 1 / Stainless steel screw x 2 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 |
| Working period | 8hr per day |
| Package | 20pcs / 13KG / 0.03cbm per carton |
| Warranty | Two Year |
| Boat Size | Up to 15M (50ft) |
| Transom | 0.5 -1.2M (2-4ft) |
| Transom Qty | 2-4pcs |

Product information:

| | |
|--|---------------------------------|
| Product model: B12W CW | Test time: 2019-10-09 16:05:18 |
| Product number: | Environment humidity: 65.0 % |
| Production merchant: AquaIDEA | Environment Temperature: 0.0 °C |
| Tester: Willison | Verification: --- |
| Test system: Huzhou Sinopoli SPL720 Spectral analysis system | |

CIE Parameter:

| | | | | |
|------------------------------------|-----------------------|-----------------------|--------|--------|
| Coordinate: x=0.2756, y=0.2596 | CCT: Tc=13678 K | Purity: Purity=27.3% | | |
| u' = 0.1981, v' = 0.4199 | Main Wave: λd=471.0nm | Peak Wave: λp=452nm | | |
| Half Width: Δλd=21.5nm | Red Ratio: R=12.2% | Chromatism : SDCM=0.0 | | |
| Color rendering property : Ra=78.6 | | | | |
| R1=85 | R2=84 | R3=74 | R4=87 | R5=82 |
| R6=72 | R7=90 | R8=55 | R9=44 | R10=56 |
| R11=83 | R12=42 | R13=85 | R14=84 | R15=92 |



Other parameters:

| | | |
|------------------------|----------------------------|---------------------|
| Flux: Φ=622.96 Lm | Efficiency: Effi=47.2 Lm/W | Stability: %=0.02 % |
| Voltage: VF=12.00 V | Current: IF=1.100 A | Power: P=13.200 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.