

DRAGON 700-W BWS

Model: PR-6513

RoHS | CE |  | WDMX |  10m |  | T_c70°C | T_a45°C | 

Version: 20260626

DRAGON 700-W BWS is an underwater fixture with Beam, Spot and Wash functions using a 350W white LED engine as its light source, the 1st product of the industry and filling a market gap. It is very powerful, energy saving and environmentally friendly with high illuminance, silent operation, compact size, long lifespan, low luminous decay and efficient cooling. Designed to meet very intensive beam requirement for underwater operation, it has beam angle from 4° to 40° with CMY, CTO, color wheel, rotating gobos, full curtain function by framing blades, 360° continually rotating framing module, prism, frost filter and other functions. Underwater, it creates cubic effects like a kaleidoscopic as if descending into a dim abyss, while dynamic water ripples project undulating patterns into the air, evoking a serene and mesmerizing atmosphere. Utilizing an internal air contracting and expanding theory, it ensures long lifespan and safety.



IP68, BWS



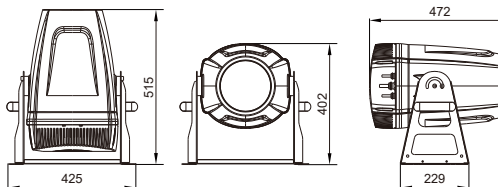
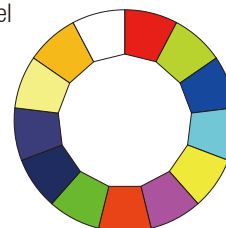
Rotating gobos(Ø22mm, image Ø15mm)



Fixed gobos



Color wheel



19.5Kg
Size(mm)

Specifications

- The product is with a separate power supply unit.
 - 1.The underwater head
Input voltage: DC 48V
Ingress protection:IP68 (for underwater running)\
Electric shock protection class: III class lighting fixture(Safe low voltage/SELV, no electric shock)
Standards: as per IEC 60598-1 and GB/T 50034-2024, DC 60V and lower is safe low voltage/SELV. And DC 48V is safe voltage and without electric shock under normal operation.
 - 2.Power supply control box
Input voltages: 100V~240V AC, 50/60Hz
Input Power: 550W @ 220V
Power factor: PF> 0.95
Max. Current: 2.5 A @ 220V
Output voltage: DC 48V
Output current: 11.5A@48V/DC
Ingress protection: IP66 (waterproof for outdoor application, not for underwater running)
- Light sources specifications(Yellow)
 - Power consumption : 350W, White LED module
 - Color Temperature : 9000K
 - Manufacturers Rated Lamp Life : more than 20000hrs
 - CRI : Ra ≥ 70
- Colors
 - CMY color mixing system with macros
 - 1 Color wheel: 12colors+ Open,
 - Half color , bi-directional rainbow effect at variable speeds,
 - Stepping/linear color changing
- CTO
 - Linear CTO system(0-100%, 1800K - 9000K)
- Gobos wheel
 - 1 Fixed gobo wheel: 7 gobos +Animation Effect+Open
 - Bi-directionally rotatable, and shakable at variable speeds
 - 1 Rotating gobo wheel: 7Rotating Gobos +Open
 - Bi-directionally rotatable, and shakable at variable speeds
- Effect wheel
 - Animation effects, bi-directional rotation at variable speeds
- Frost
 - 1 frost filter, 0-100% linear
- Prism
 - 1pc, 3-facet circular prism, bi-directional rotation at variable speeds with indexing function
- Beam angle
 - Beam and Spot modes: 4°- 40°, linear
 - Wash mode: 5°- 45°, linear (with 16 bit control)
- Focus
 - DMX linear with auto focus function
- Zoom
 - Linear zoom
- Dimmer
 - Linear electronic dimmer 0-100% with 16 bit control
 - 3 dimmer speeds
 - 5 dimmer curves
 - Dimmer frequency(1.2K-25K) good for 4K high speed video camera
- Strobe
 - Electronic strobe 0.3~25 Hz, optional pulse, synchronized or non-synchronized strobe at slow, medium and fast speeds
- Head movement
 - Tilt: ±100°
- Advanced macros
 - Color temperature macros: optional 2700K,3000K,3500K,4000K,4500K,5000K,5700K
 - Standard color macros: 89 color options based on standard color chart.
- Brightness calibration function
 - With brightness calibration function to calibrate initial brightness for a single fixture or multiple ones and store brightness values into the fixtures
- CRI mode
 - Running at high CRI mode via DMX channel to ensure high CRI optical effect.
- Control
 - International standard DMX512 signal and RDM function
 - 20channels in short mode, 25channels in standard mode,29channel in extended mode
 - Master/Slave mode
 - Standalone mode
 - Master Mode
- Control interface
 - DMX512 ports(3-pin, optional 5-pin)
- Other functions
 - Modular construction for easy maintenance,
 - DMX channel voltages monitoring
 - Firmware upgrade via DMX cable
- Housing
 - The housing of the head: ABS or stainless steel, IP68 , for landscape, entertainment ,cultural tourism and other underwater applications.
 - The material for power supply control box: Aluminum, IP66, installed in safe areas, forbidden for underwater applications
- Ambient temperature
 - The head : the depth under water ≤5m, the temperature of water 0°C~40°C
 - The power supply control box: -20°C~40°C
- Weight
 - Net weight of the head: 19.5 KG
 - Net weight of the power supply control box: 7KG
 - Gross weight in the carton: 29.5KG(head + power supply control box)