

CAPTURE UNDERWATER SCENES MORE CLEARLY.

RGBLUE
UNDERWATER LIGHTING SYSTEM



SYSTEM 01 PRODUCT FEATURES



► Single-source type, high-quality COB (Chip On Board) LED

The COB LED emits light from a single plane so that the problems previously seen with multi-LED type light source such as the multi-shadow effect and light distribution irregularity are solved.



COB (Chip On Board) LED



Light emission with RGBLue System01



Multi-shadow
(light emission with ordinary LED light)

► Natural reproduction of underwater colors thanks to high color rendition and optimum color temperature

The light-source LED emits light optimized for underwater shooting, achieving a high color rendering index of Ra80⁽¹⁾ and a color temperature of 5000K⁽²⁾.

¹: The standard for expressing the closeness of the characteristics of specific light to natural light (sunlight). The color rendering is higher as this figure approaches 100.

²: The color temperature is higher with colder colors and lower with warmer colors. The color temperature of sunlight is estimated to be between 5000K and 6500K.



Light emission with RGBLue System01



Light emission with ordinary LED light

► Flat light distribution with 100° emission angle, 2200 lm maximum light intensity, condenser lens provided

100° emission angle is sufficient for shooting movies, as well as for wide-angle shooting. A condensing lens is provided as standard to increase illuminance by reducing the light distribution angle to 60°.



When condensing lens is mounted



Normal use: 100° light distribution



Use with condensed lens: 60° light distribution

► Modularized system with one-touch connection/disconnection capability

System01 consists of two modules — the light source (Light Module) and the power supply (Battery Module). An original bayonet mechanism allows the two modules to be connected and disconnected with a simple operation.



Light Module

Battery Module

► Complete waterproofing eliminates worries about water penetration

Each module is provided with an IPX6 equivalent waterproofing mechanism that can stand up to a water depth of up to 100 meters during lighting (i.e. when the modules are connected).



► Simple operation, perfect safety mechanisms

Just two push buttons are all that's needed to control the switch ON/OFF, 4-step brightness control and non-step brightness control (300 to 2200 lm). Safety mechanisms include a temperature sensor, overcharge, over-discharge, over-current and short-circuit protection circuitry, as well as an over-pressure valve.

System01 Standard Accessories



ACBP-01
AC ADAPTER &
RECHARGE PLUG SET



CL60-49M
CONDENSING LENS



YSAN-01
YS ADAPTER SET



RGB-MK01
MAINTENANCE KIT



ECO1
SPECIAL CASE

Optional Accessories



RGB-RSA1
ROTARY SHOE
ADAPTER



RGB-BA01
BALL ADAPTER



RGB-GA01
GoPRO ADAPTER



BM3100G
BATTERY MODULE



RF01-49M
RED FILTER

Seeing light-sensitive creature



CCF6-49M
COLOR CONVERSION
FILTER(6000K)

Changing Color Temperature
from 5000K to 6000K



ND2-49M
ND FILTER(1/2)

Decreasing brightness by 50%



RGB-CC01
CAR CHARGER CABLE

Charging System01 from a
car's 12V cigarette lighter



RGB-MC01
MEMORY CARD CASE
SD&CF

Product Specifications

Light source	LED
Irradiation angle	100° (60° when a condensing lens is used)
Color temperature	Approx. 5000K
Color rendering index	Ra80
Total flux	<ul style="list-style-type: none"> · LED: 2400 lm · Product output: Max. 1800 lm with 4-step brightness control. · Max. 2200 lm with non-step brightness control.
Operating environment	Underwater. * If illuminated continuously overland, the product temperature increases so the safety circuitry dims or extinguishes the light.
Brightness control	4-step: 500 lm, 900 lm, 1300 lm, 1800lm. Non-step: 300 to 2200 lm.
LED indication	Remaining battery power / Blue → Purple → Yellow → Red Error / Red flashing.
Continuous lighting period	4-step brightness control: 500 lm / 300 min., 900 lm / 120 min., 1300 lm / 80 min., 1800 lm / 50 min. Non-step brightness control: 300 lm / 500 min. to 2200 lm / 35 min.
Charge method	AC adapter (100V to 240V) + Dedicated plug
Power supply	Rechargeable lithium ion battery, 3100 mA / 7.4 V (23 Wh)
Battery life	Approx. 500 times
Withstanding water depth	100 meters, IPX8 (JIS protection class 8)
Dimensions	Max. dia. □ 64.2 mm x 123.5 mm (excluding projections)
Weight	420g overland, 170g underwater
Operating temperatures	-5°C to +45°C (23°F to 113°F)
Storage temperatures	-5°C to +45°C (23°F to 113°F)
Storage humidity	20% to 60%
Materials, treatment	Corrosion-resistant aluminum alloy/hard anodized aluminum, PC, optical glass / chemically strengthened glass.
IR receiver	Brightness control from remote control. * When the optional remote control unit is used.
Safety standards	CE, FCC, PSE
Light ring thread diameter	M49, JIS standard compliant.
Bottom plate/head	Tripod screw compatible, JIS standard compliant.



SYSTEM 01 INCLUDING STANDARD ACCESSORIES

RGBBLUE
UNDERWATER LIGHTING SYSTEM

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All specifications are as at July 1st, 2013 and may be changed without notice.