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CONTENDER

LED FRESNEL SPOT FOCUSING LIGHT

USER MANUAL



G genaray®

Contender INTRODUCTION

THANK YOU FOR CHOOSING GENARAY

The Genaray Contender is a compact and versatile light that's ideal for still and tabletop photography, interviews, and portraits. It features dense matrix LED technology that furnishes a high-powered beam from a small array and eliminates multiple shadows that are common in LED lighting. It offers a brightness range of 100% to 10%, along with a high CRI for precise color accuracy and rendering. The daylight fixture's color temperature is set to a constant 5600 K. The bicolor fixture generates a color temperature range from 5600 to 3200 K that can be adjusted in 100 K increments for the ideal color temperature to match other fixtures in the studio.

The integrated Fresnel lens allows the beam to be focused from a concentrated 25° spot to a wide 55° flood. For additional control, the barndoor attachment shapes the beam while minimizing light spill. A tungsten filter is included with the daylight fixture if a warmer light is needed, or to match the color temperature of other tungsten-balance fixtures.

This compact and versatile light boasts an advanced modular design that permits quick switching from AC to DC power. The LED array generates minimal heat so the fixture can be positioned close to subjects over extended periods without burning or overheating them.

PRECAUTIONS



- Please read and follow these instructions, and keep this manual in a safe place.
- Keep this unit away from water and any flammable gases or liquids.
- Make sure the unit is powered off when plugging it into a power source.
- Use only the correct, recommended voltage.
- Do not attempt to disassemble or repair the equipment—doing so will void the warranty, and Genaray will not be responsible for any damage.
- Handle the unit with care.
- Do not stare directly at the lights when they are powered on.
- Clean the unit with only a soft, dry cloth.
- All images are for illustrative purposes only.

Control module (CB model shown)

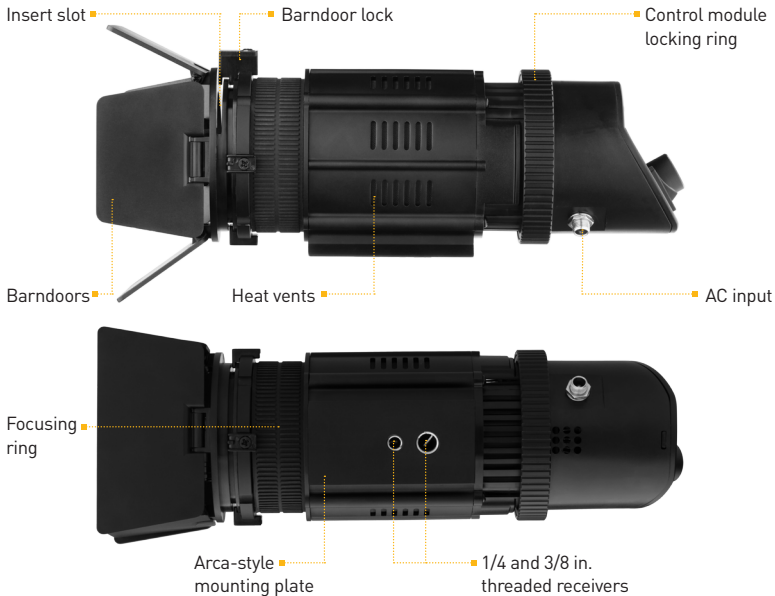
CONTENDER OVERVIEW



Battery module



Main module



CONTENTS INCLUDE

CD

- Genaray CD Contender Daylight LED Fresnel Spot Focusing Light
- Battery module
- NP-F750 li-ion battery (x2)
- Dual battery charger
- Charger power adapter
- AC power cord
- AC power adapter
- Ballhead mount
- Barndoors
- Tungsten filter
- User manual
- Carrying case

CD-3LK

- Genaray CD Contender Daylight LED Fresnel Spot Focusing Light (x3)
- Battery module (x3)
- NP-F750 li-ion battery (x6)
- Dual battery charger (x3)
- Charger power adapter (x3)
- AC power cord (x3)
- AC power adapter (x3)
- Ballhead mount (x3)
- Barndoors (x3)
- Tungsten filter (x3)
- User manual
- Carrying case

CB

- Genaray CB Contender Bicolor LED Fresnel Spot Focusing Light
- Battery module
- NP-F750 li-ion battery (x2)
- Dual battery charger
- Charger power adapter
- AC power cord
- AC power adapter
- Ballhead mount
- Barndoors
- User manual
- Carrying case

CB-3LK

- Genaray CB Contender Bicolor LED Fresnel Spot Focusing Light (x3)
- Battery module (x3)
- NP-F750 li-ion battery (x6)
- Dual battery charger (x3)
- Charger power adapter (x3)
- AC power cord (x3)
- AC power adapter (x3)
- Ballhead mount (x3)
- Barndoors (x3)
- User manual
- Carrying case

POWERING THE CONTENDER

USING THE CONTENDER WITH AC POWER

Important! ⚠ ⚡

The Contender is a multivoltage fixture capable of running on 100–240 V, 50/60 Hz. The included cable has a 120 V, 50 Hz (North American) plug. To use this fixture with other voltages, you must use a plug adapter (sold separately).

Make sure the unit is turned off. Connect the AC power adapter to the Contender's AC input, and insert it in until secure.

USING THE CONTENDER WITH BATTERY POWER

Important! ⚠ ⚡

The Contender will operate only with both batteries installed.

To attach the battery module to the Contender, follow these steps:

1. Unscrew the control module locking ring, and remove the control module.
2. Align the power contacts of the battery module with the contacts on the main module, and connect the two modules.
3. Tighten the battery module locking ring until secure.
4. Attach the control module to the battery module by aligning the contacts and tightening the locking wheel.

5. Insert the batteries by aligning the battery contacts and pressing the batteries down into the battery slots.



CHARGING THE BATTERIES

Insert the batteries into the dual battery charger, and plug the charger into a wall outlet.

The indicator lights on the charger will show the remaining charge in each battery, and the lights will blink to indicate that charging is in progress.

When all indicator lights are steadily illuminated, the batteries are fully charged.

MOUNTING THE CONTENDER

The Contender can be mounted directly to a light stand, a tripod head with an Arca-style clamp, or the included ball head.

LIGHT STAND

The Contender is equipped with 1/4- and 3/8-inch threaded receivers. To mount the contender directly to a light stand, screw the Contender onto the light stand's threaded post.

ARCA-STYLE CLAMP

Loosen the locking knob of the Arca-style clamp and slide the Contender's mounting plate into the clamp. Tighten the locking knob until the Contender is secure and doesn't move in the clamp.

BALLHEAD

Screw the ballhead onto the light stand.

Note: The ball head comes with a 3/8- to 1/4-inch adapter bushing installed. If your light stand has a 3/8-inch threaded post, remove the bushing to attach the ballhead.

Screw the ballhead's 1/4-inch post into the Contender.

Make sure the ballhead's locking handle is securely tightened before you let go of the Contender.

Ballhead feature: The locking handle is a ratchet-style handle. If you are using the ballhead in a tight space that doesn't allow you to fully rotate the handle, pull the handle out, reposition it, and let it snap back into place.

OPERATING THE CONTENDER

USING THE BARNDOORS

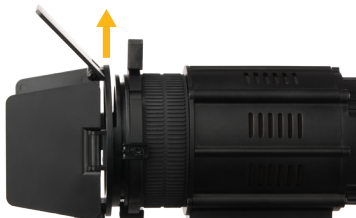
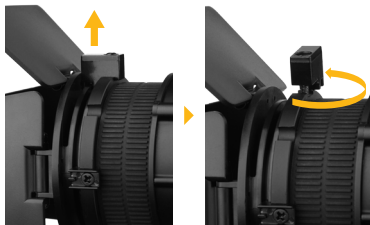
The barndoors come attached to the Contender.

Unfold the barndoors to shape the beam and prevent light spill.

To remove the barndoors, follow these steps:

1. Pull the barndoor latch away from the fixture, and twist it so the teeth aren't locking the barndoor fixture in place.
2. Slide the barndoors toward the barndoor latch and off of the fixture.

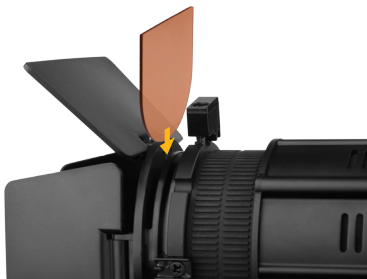
To replace the barndoors, slide the fixture into the barndoor mount, and close the barndoor latch. Make sure the teeth of the latch fit snugly into the notches on the barndoor fixture.



USING THE TUNGSTEN FILTER

The Contender daylight model comes with a tungsten filter that allows you to match other tungsten fixtures in your lighting setup.

1. Unlock the barndoor latch to expose the insert slot.
2. Place the curved end of the tungsten filter into the slot and press it down into the insert.
3. Lock the barndoor latch.



ADJUSTING THE LIGHT

BRIGHTNESS

With the light turned on, rotate the control knob to adjust the brightness from 10% to 100% in 1% increments.

COLOR TEMPERATURE (CB MODEL ONLY)

The color temperature can be adjusted from 5600 to 3200 K (daylight to tungsten balance) in 100 K increments.

1. Press the control knob to activate color temperature control. The color temperature indicator will blink.
2. Use the control knob to adjust the color temperature.
3. Press the control knob to set the color temperature. The control knob will revert to brightness control.

ADJUSTING THE FRESNEL LENS

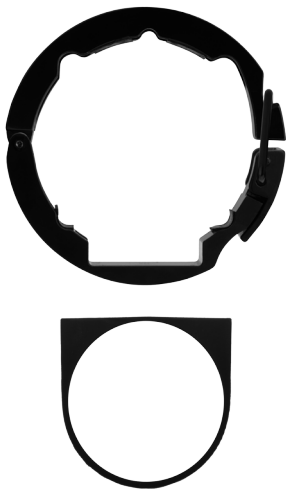
The Contender has an integrated Fresnel lens that focuses the angle of the beam from a 25° spot to a 55° flood.

Turn the focusing ring to adjust the beam angle.

AVAILABLE ACCESSORY KIT

A separate accessory kit for the Contender includes an adapter ring for Profoto-compatible speed rings and Profoto OFC softboxes.

The kit also includes an insert frame that allows you to use your own customized gel filters and diffusers.



PRODUCT SPECIFICATIONS

Light source: 50 W high-density matrix LED array

Lamp life: 100%: 1 hr. 20 min.
50%: 3 hr. 45 min.

Beam angle: 25° to 55°

Color temperature: Daylight: 5600 K
Bicolor: 3200 to 5600 K

CRI: >95

TLCI: >96

Light intensity @ 1 m: 25°: 5400 lx
55°: 2258 lx

Dimming: 100% to 10%

Tungsten equivalent: 150 to 200 W

Battery: NP-F750 4400 mAh

Working voltage: AC: 100 to 240 V, 50/60 Hz
DC: 14 to 18 V

Mount: 1/4 in., 3/8 in., Arca-style plate

Dimensions (H × W × L):
Light only:
3.25 × 3.25 × 8.25 in. (8.2 × 8.2 × 21 cm)
With battery module:
3.25 × 3.25 × 11 in. (8.2 × 8.2 × 28 cm)

AC cable length: 6 ft. (1.8 m)

DC cable length: 3 ft. (0.9 m)

Weight (with batteries): 3.05 lb. (1.38 kg)

TWO-YEAR LIMITED WARRANTY

This Genaray product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of two (2) years from the original purchase date or thirty (30) days after replacement, whichever occurs later. Genaray's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at Genaray's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by Genaray. If the product has been discontinued, Genaray reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, GENARAY MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Genaray Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Genaray along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information, or to arrange service, visit www.genaray.com or contact us at info@genaray.com.

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