

Planning sheet: Optimyst RGB Cassette (20 in) in a counter, console or run

For the framer, electrician, plumber and finisher. Every figure is Dimplex's, from the document named in the Sources row; where a figure is not on file the row says so and we confirm it at the site visit. This sheet is a planning aid; the manual governs. For counters see the fuller Islandfire counter sheet with the cutout drawing ([cassette-counter.html](#)).

FRONT ELEVATION, TO SCALE (overall unit size, not the framed opening)

RGB Cassette 20 in · CDFI500-PRO-RGB



overall 20-1/8 × 9-7/8 × 12 in
cutout 20-3/8 × 12-1/4 in with the media plate

Frame to the manual's framing/opening table, never to the overall size.
Every unit needs its stated fresh-air path, a water method and a 120 V circuit (240 V option on the Linear).

MSRP (CAD, June 2026 list)	RGB Cassette 20 in: \$2,324.99 · order no. 500004172
Overall unit size	RGB Cassette 20 in: 20-1/8 × 9-7/8 × 12 in; height adjusts 9 to 9-1/2 in on the feet (spec PDF); with the moulded log set the unit is 15-1/4 in high and 14 in deep
Opening / framing	RGB Cassette 20 in: cutout 20-3/8 × 12-1/4 in with the media plate; 20-3/8 × 14-1/4 in with the log set (unit plus 1/4 in clearance all round) (CDFI500-PRO-RGB technical specification 2025 and owner's manual)
Electrical	RGB Cassette 20 in: 120 V; 230 W; 1.9 A; hardwired to a 15 A circuit; CDFI-PLUGKIT makes it plug-in; circuit: recommended, not essential unless the breaker trips (owner's manual)
Heat	RGB Cassette 20 in: flame only, no heat
Water	RGB Cassette 20 in: refill container as standard; built-in inlet for a plumbed 1/4 in line (CDFIPLUMB-KIT or a plumber's tee), supply under 58 psi; plumbed is how Mistfire installs it in counters; refill or a tank module in furniture; run time: the refill container is 1.25 L; run time depends on the mist setting and is not printed in the manuals on file
Fresh air	RGB Cassette 20 in: at least 40 in² of fresh air below the unit, any shape or location, with an open path to its underside; 80 in² for two cassettes side by side
Clearances and placement	RGB Cassette 20 in: 16 in clear above the installation surface minimum, 18 in for the best flame; nothing over the fire; a 10 in guard 3 in out where drafts cross it. Above: no heat, so no over-heater rule; keep the space directly above the flame open. media on the plate under 10 lb
Cleaning	RGB Cassette 20 in: every two weeks: lift the media plate, wipe the sump and the transducer with soap and water
Accessories on the price list	RGB Cassette 20 in: Optimyst RGB Cassette / Pro Box plug kit (CDFI-PLUGKIT, \$92.99); Optimyst plumb kit (continuous water supply, 1/4 in) (CDFIPLUMB-KIT, \$128.99); Optimyst air intake grille (X-00275) (RMGW, \$44.99); Optimyst moulded log set (CDFILOG, \$501.99)
Confirm at site visit	RGB Cassette 20 in: run time per refill container; product weight
Sources	RGB Cassette 20 in: Dimplex Optimyst RGB Cassette technical specification (2025); CDFI500-PRO / CDFI1000-PRO owner's manual; CDFI-PRO service manual; CDFIPLUMB-KIT instructions; Dimplex CAD price list June 2026; manual: sites/g/files/emiian436/files/2025-02/7217010200R01%20CDFI50...