

2025 Summary Prospectus

BlackRock ETF Trust

- iShares Large Cap Core Active ETF | BLCR | NASDAQ

Before you invest, you may want to review the Fund's prospectus, which contains more information about the Fund and its risks. You can find the Fund's prospectus (including amendments and supplements), reports to shareholders and other information about the Fund, including the Fund's statement of additional information, online at <https://www.blackrock.com/prospectus>. You can also get this information at no cost by calling 1-800-474-2737 or by sending an e-mail request to prospectus.request@blackrock.com, or from your financial professional. The Fund's prospectus and statement of additional information, both dated November 28, 2025, as amended and supplemented from time to time, are incorporated by reference into (legally made a part of) this Summary Prospectus.

The Securities and Exchange Commission has not approved or disapproved these securities or passed upon the adequacy of this Summary Prospectus. Any representation to the contrary is a criminal offense.

Not FDIC Insured • May Lose Value • No Bank Guarantee

iSHARES LARGE CAP CORE ACTIVE ETF

Ticker: BLCR

Stock Exchange: NASDAQ

Investment Objective

The iShares Large Cap Core Active ETF (the “Fund”) seeks to maximize total return.

Fees and Expenses

The following table describes the fees and expenses that you will incur if you buy, hold and sell shares of the Fund. The investment advisory agreement between BlackRock ETF Trust (the “Trust”) and BlackRock Fund Advisors (“BFA”) (the “Investment Advisory Agreement”) provides that BFA will pay all operating expenses of the Fund, except: (i) the management fees, (ii) interest expenses, (iii) taxes, (iv) expenses incurred with respect to the acquisition and disposition of portfolio securities and the execution of portfolio transactions, including brokerage commissions, (v) distribution fees or expenses, and (vi) litigation expenses and any extraordinary expenses. The Fund may incur “Acquired Fund Fees and Expenses.” Acquired Fund Fees and Expenses reflect the Fund’s pro rata share of the fees and expenses incurred indirectly by the Fund as a result of investing in other investment companies. The impact of Acquired Fund Fees and Expenses is included in the total returns of the Fund.

You may pay other fees, such as brokerage commissions and other fees to financial intermediaries, which are not reflected in the table and Example below.

Annual Fund Operating Expenses
(ongoing expenses that you pay each year as a percentage of the value of your investments)

Management Fees¹	Distribution and Service (12b-1) Fees	Other Expenses³	Acquired Fund Fees and Expenses^{1,3}	Total Annual Fund Operating Expenses	Fee Waiver^{1,2}	Total Annual Fund Operating Expenses After Fee Waiver^{1,2}
0.38%	None	0.00%	0.00%	0.38%	(0.02)%	0.36%

¹ As described in the *Management* section of the Fund’s prospectus beginning on page 12, BFA has contractually agreed to waive a portion of its management fees in an amount equal to the aggregate Acquired Fund Fees and Expenses, if any, attributable to investments by the Fund in other equity and fixed-income mutual funds and exchange-traded funds (“ETFs”) advised by BFA or its affiliates through June 30, 2027. As described in the *Management* section of the Fund’s prospectus beginning on page 12, BFA has contractually agreed to waive a portion of its management fees in an amount equal to the aggregate Acquired Fund Fees and Expenses, if any, attributable to investments by the Fund in money market funds managed by BFA or its affiliates through June 30, 2027. The agreement (with respect to either waiver) may be terminated upon 90 days’ notice by a majority of the non-interested trustees of the Trust or by a vote of a majority of the outstanding voting securities of the Fund.

² As described in the *Management* section of the Fund’s prospectus beginning on page 12, BFA has contractually agreed to waive 0.02% of its management fee payable through June 30, 2027.

³ Amount rounded to 0.00%.

Example. This Example is intended to help you compare the cost of owning shares of the Fund with the cost of investing in other funds. The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then sell all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the Fund’s operating expenses remain the same. Although your actual costs may be higher or lower, based on these assumptions, your costs would be:

<u>1 Year</u>	<u>3 Years</u>	<u>5 Years</u>	<u>10 Years</u>
\$37	\$120	\$211	\$478

Portfolio Turnover

The Fund may pay transaction costs, such as commissions, when it buys and sells securities (or “turns over” its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when Fund shares are held in a taxable account. These costs, which are not reflected in the Annual Fund Operating Expenses or in the Example, affect the Fund’s performance. For the fiscal year ended July 31, 2025, the Fund’s portfolio turnover rate was 94% of the average value of its portfolio.

Principal Investment Strategies

Under normal circumstances, the Fund invests at least 80% of its net assets plus the amount of any borrowings for investment purposes in large cap equity securities and derivatives that have similar economic characteristics to such securities. Investments in derivatives are counted toward the Fund’s 80% policy to the extent that they provide investment exposure to the securities included within that

policy or to one or more market risk factors associated with such securities. For purposes of the Fund’s 80% policy, large cap equity securities are equity securities that, at the time of purchase, have a market capitalization within the range of companies included in the Russell 1000[®] Index (the “Russell 1000 Index”). The Russell 1000 Index is a capitalization-weighted index from a broad range of industries chosen for market size, liquidity and industry group representation. The Russell 1000 Index includes equity securities of issuers which range in size between approximately \$1.03 billion and \$4.94 trillion as of October 31, 2025. The Fund primarily seeks to buy common stock and may also invest in preferred stock. From time to time, the Fund may invest in shares of companies through “new issues” or initial public offerings (“IPOs”). The Fund may use derivatives, including options, futures, swaps (including, but not limited to, total return swaps, some of which may be referred to as contracts for difference) and forward contracts, both to seek to increase the return of the Fund and to hedge (or protect) the value of its assets against

adverse movements in currency exchange rates, interest rates and movements in the securities markets. Equity securities consist of common stock, preferred stock, other financial instruments that are components of, or have characteristics similar to, the securities included in the Russell 1000 Index, and American Depositary Receipts (“ADRs”), which are receipts typically issued by an American bank or trust company that evidence underlying securities issued by a foreign company. The Fund may also purchase convertible securities.

The Fund invests primarily in equity securities that BFA believes can maximize long term total return. BFA relies on the professional judgment of its portfolio managers to make investment decisions. The basic investment philosophy of the Fund is to seek to invest in attractively valued companies that, in its opinion, represent good, long-term investment opportunities. The Fund invests primarily in common stock of U.S. companies, but the Fund may invest up to 25% of its total assets in the securities of foreign companies and ADRs.

During temporary defensive periods (*i.e.*, in response to adverse market, economic or political conditions), the Fund may depart from its principal investment strategies and may invest up to 100% of its total assets in liquid, short-term investments, including high quality, short-term securities. The Fund may not achieve its investment objectives under these circumstances. BFA’s determination that it is temporarily unable to follow the Fund’s investment strategy or that it is impractical to do so will generally occur only in situations in which a market

disruption event has occurred and where trading in the securities selected through application of the Fund’s investment strategy is extremely limited or absent.

The Fund may lend securities representing up to one-third of the value of the Fund’s total assets (including the value of the collateral received).

Summary of Principal Risks

As with any investment, you could lose all or part of your investment in the Fund, and the Fund’s performance could trail that of other investments. The Fund is subject to certain risks, including the principal risks noted below, any of which may adversely affect the Fund’s net asset value per share (“NAV”), trading price, yield, total return and ability to meet its investment objective. Unlike many ETFs, the Fund is not an index-based ETF. Certain key risks are prioritized below (with others following in alphabetical order), but the relative significance of any risk is difficult to predict and may change over time. You should review each risk factor carefully.

Equity Securities Risk. Stock markets are volatile. The price of equity securities fluctuates based on changes in a company’s financial condition and overall market and economic conditions.

Investment Style Risk. Under certain market conditions, growth investments have performed better during the later stages of economic expansion and value investments have performed better during periods of economic recovery. Therefore, these investment styles may over time go in and out of

favor. At times when the investment style used by the Fund is out of favor, the Fund may underperform other equity funds that use different investment styles.

Authorized Participant Concentration Risk.

Only an Authorized Participant (as defined in the *Creations and Redemptions* section of the Fund's prospectus) may engage in creation or redemption transactions directly with the Fund. There are a limited number of institutions that may act as Authorized Participants for the Fund, including on an agency basis on behalf of other market participants. No Authorized Participant is obligated to engage in creation or redemption transactions. To the extent that Authorized Participants exit the business or do not place creation or redemption orders for the Fund and no other Authorized Participant places orders, Fund shares are more likely to trade at a premium or discount to NAV and possibly face trading halts or delisting.

Convertible Securities Risk. The market value of a convertible security performs like that of a regular debt security; that is, if market interest rates rise, the value of a convertible security usually falls. In addition, convertible securities are subject to the risk that the issuer will not be able to pay interest, principal or dividends when due, and their market value may change based on changes in the issuer's credit rating or the market's perception of the issuer's creditworthiness. Since it derives a portion of its value from the common stock into which it may be converted, a convertible security is also subject to the same types of market and issuer risks that apply to the underlying

common stock, including the potential for increased volatility in the price of the convertible security.

Depository Receipts Risk. Depository receipts are generally subject to the same risks as the foreign securities that they evidence or into which they may be converted. In addition to investment risks associated with the underlying issuer, depository receipts expose the Fund to additional risks associated with the non-uniform terms that apply to depository receipt programs, credit exposure to the depository bank and to the sponsors and other parties with whom the depository bank establishes the programs, currency risk and the risk of an illiquid market for depository receipts. The issuers of unsponsored depository receipts are not obligated to disclose information that is, in the United States, considered material. Therefore, there may be less information available regarding these issuers and there may not be a correlation between such information and the market value of the depository receipts. While depository receipts provide an alternative to directly purchasing underlying foreign securities in their respective markets and currencies, they continue to be subject to many of the risks associated with investing directly in foreign securities, including political, economic, and currency risk.

Derivatives Risk. The Fund's use of derivatives may increase its costs, reduce the Fund's returns and/or increase volatility. Derivatives involve significant risks, including:

Leverage Risk. The Fund's use of derivatives can magnify the Fund's gains and losses. Relatively small market movements may result in large

changes in the value of a derivatives position and can result in losses that greatly exceed the amount originally invested.

Market Risk. Some derivatives are more sensitive to interest rate changes and market price fluctuations than other securities. The Fund could also suffer losses related to its derivatives positions as a result of unanticipated market movements, which losses are potentially unlimited. Finally, BFA may not be able to predict correctly the direction of securities prices, interest rates and other economic factors, which could cause the Fund's derivatives positions to lose value.

Counterparty Risk. Derivatives are also subject to counterparty risk, which is the risk that the other party in the transaction will be unable or unwilling to fulfill its contractual obligation, and the related risks of having concentrated exposure to such a counterparty.

Illiquidity Risk. The possible lack of a liquid secondary market for derivatives and the resulting inability of the Fund to sell or otherwise close a derivatives position could expose the Fund to losses and could make derivatives more difficult for the Fund to value accurately.

Operational Risk. The use of derivatives includes the risk of potential operational issues, including documentation issues, settlement issues, systems failures, inadequate controls and human error.

Legal Risk. The risk of insufficient documentation, insufficient capacity or authority of counterparty, or legality or enforceability of a contract.

Volatility and Correlation Risk. Volatility is defined as the characteristic of a security, an index or a market to fluctuate significantly in price within a short time period. A risk of the Fund's use of derivatives is that the fluctuations in their values may not correlate with the overall securities markets.

Valuation Risk. Valuation for derivatives may not be readily available in the market. Valuation may be more difficult in times of market turmoil since many investors and market makers may be reluctant to purchase complex instruments or quote prices for them.

Hedging Risk. Hedges are sometimes subject to imperfect matching between the derivative and the underlying security, and there can be no assurance that the Fund's hedging transactions will be effective. The use of hedging may result in certain adverse tax consequences.

Tax Risk. Certain aspects of the tax treatment of derivative instruments, including swap agreements and commodity-linked derivative instruments, are currently unclear and may be affected by changes in legislation, regulations or other legally binding authority. Such treatment may be less favorable than that given to a direct investment in an underlying asset and may adversely affect the timing, character and amount of income the Fund realizes from its investments.

Foreign Securities Risk. Foreign investments often involve special risks not present in U.S. investments that can increase the chances that the Fund will lose money. These risks include:

- The Fund generally holds its foreign securities and cash in

foreign banks and securities depositories, which may be recently organized or new to the foreign custody business and may be subject to only limited or no regulatory oversight.

- Changes in foreign currency exchange rates can affect the value of the Fund's portfolio.
- The economies of certain foreign markets may not compare favorably with the economy of the United States with respect to such issues as growth of gross national product, reinvestment of capital, resources and balance of payments position.
- The governments of certain countries, or the U.S. Government with respect to certain countries, may prohibit or impose substantial restrictions through capital controls and/or sanctions on foreign investments in the capital markets or certain industries in those countries, which may prohibit or restrict the ability to own or transfer currency, securities, derivatives or other assets.
- Many foreign governments do not supervise and regulate stock exchanges, brokers and the sale of securities to the same extent as does the United States and may not have laws to protect investors that are comparable to U.S. securities laws.
- Settlement and clearance procedures in certain foreign markets may result in delays

in payment for or delivery of securities not typically associated with settlement and clearance of U.S. investments.

- The Fund's claims to recover foreign withholding taxes may not be successful, and if the likelihood of recovery of foreign withholding taxes materially decreases, due to, for example, a change in tax regulation or approach in the foreign country, accruals in the Fund's NAV for such refunds may be written down partially or in full, which will adversely affect the Fund's NAV.

Issuer Risk. Fund performance depends on the performance of individual securities to which the Fund has exposure. Changes in the financial condition or credit rating of an issuer of those securities may cause the value of the securities to decline.

Large Shareholder and Large-Scale Redemption Risk. Certain shareholders, including an Authorized Participant, a third-party investor, the Fund's adviser or an affiliate of the Fund's adviser, a market maker, or another entity, may from time to time own or manage a substantial amount of Fund shares, or may invest in the Fund and hold their investment for a limited period of time. There can be no assurance that any large shareholder or large group of shareholders would not redeem their investment.

Redemptions of a large number of Fund shares could require the Fund to dispose of assets to meet the redemption requests, which can

accelerate the realization of taxable income and/or capital gains and cause the Fund to make taxable distributions to its shareholders earlier than the Fund otherwise would have. In addition, under certain circumstances, non-redeeming shareholders may be treated as receiving a disproportionately large taxable distribution during or with respect to such year. In some circumstances, the Fund may hold a relatively large proportion of its assets in cash in anticipation of large redemptions, diluting its investment returns. To the extent the Fund permits redemptions in cash, these large redemptions may also force the Fund to sell portfolio securities when it might not otherwise do so, which may negatively impact the Fund's NAV, increase the Fund's brokerage costs and/or have a material effect on the market price of the Fund shares.

Market Risk and Selection Risk.

Market risk is the risk that one or more markets in which the Fund invests will go down in value, including the possibility that the markets will go down sharply and unpredictably. The value of a security or other asset may decline due to changes in general market conditions, economic trends or events that are not specifically related to the issuer of the security or other asset, or factors that affect a particular issuer or issuers, exchange, country, group of countries, region, market, industry, group of industries, sector or asset class. Local, regional or global events such as war, acts of terrorism, the spread of infectious illness or other public health issues like pandemics or epidemics, recessions, or other events could have a significant impact on the Fund and its investments. Selection risk is the risk that the securities selected

by Fund management will underperform the markets, the relevant indices or the securities selected by other funds with similar investment objectives and investment strategies. This means you may lose money.

Market Trading Risk. The Fund faces numerous market trading risks, including the potential lack of an active market for Fund shares (including through a trading halt), losses from trading in secondary markets, periods of high volatility, and disruptions in the process of creating and redeeming Fund shares. Any of these factors, among others, may lead to the Fund's shares trading in the secondary market at a premium or discount to NAV or to the intraday value of the Fund's portfolio holdings. If you buy Fund shares at a time when the market price is at a premium to NAV or sell Fund shares at a time when the market price is at a discount to NAV, you may pay significantly more or receive significantly less than the underlying value of the Fund shares.

"New Issues" Risk. "New issues" are IPOs of equity securities. Securities issued in IPOs have no trading history, and information about the companies may be available for very limited periods. In addition, the prices of securities sold in IPOs may be highly volatile or may decline shortly after the IPO.

Non-Diversification Risk. The Fund is a non-diversified fund. Because the Fund may invest in securities of a smaller number of issuers, it may be more exposed to the risks associated with and developments affecting an individual issuer than a fund that invests more widely.

Operational and Technology Risks —

The Fund is directly and indirectly susceptible to operational and technology risks, including those related to human errors, processing errors, communication errors, systems failures, cybersecurity incidents, and the use of artificial intelligence and machine learning (“AI”), which may result in losses for the Fund and its shareholders or may impair the Fund’s operations. While the Fund’s service providers are required to have appropriate operational, information security and cybersecurity risk management policies and procedures, their methods of risk management may differ from those of the Fund. Operational and technology risks for the issuers in which the Fund invests could also result in material adverse consequences for such issuers and may cause the Fund’s investments in such issuers to lose value.

Preferred Securities Risk. Preferred securities may pay fixed or adjustable rates of return. Preferred securities are subject to issuer-specific and market risks applicable generally to equity securities. In addition, a company’s preferred securities generally pay dividends only after the company makes required payments to holders of its bonds and other debt. For this reason, the value of preferred securities will usually react more strongly than bonds and other debt to actual or perceived changes in the company’s financial condition or prospects. Preferred securities of smaller companies may be more vulnerable to

adverse developments than preferred securities of larger companies.

Risk of Investing in the United States.

Certain changes in the U.S. economy, such as when the U.S. economy weakens or when its financial markets decline, may have an adverse effect on the securities to which the Fund has exposure.

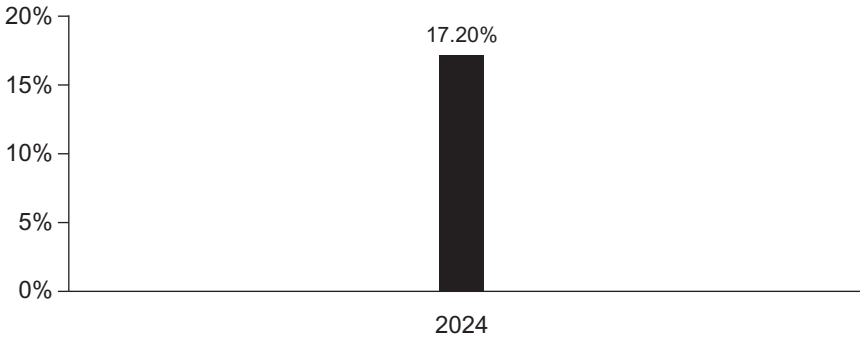
Securities Lending Risk. The Fund may engage in securities lending. Securities lending involves the risk that the Fund may lose money because the borrower of the loaned securities fails to return the securities in a timely manner or at all. The Fund could also lose money in the event of a decline in the value of collateral provided for loaned securities or a decline in the value of any investments made with cash collateral. These events could also trigger adverse tax consequences for the Fund.

Small Fund Risk. When the Fund’s size is small, the Fund may experience low trading volume and wide bid/ask spreads. The Fund’s performance near its inception date may not represent how the Fund will perform in the future or with a larger asset base. In addition, the Fund may face the risk of being delisted if it does not meet certain requirements set by the listing exchange. Any resulting liquidation of the Fund could lead to elevated transaction costs for the Fund and negative tax consequences for its shareholders.

Performance Information

The information shows you how the Fund's performance has varied year by year and provides some indication of the risks of investing in the Fund. The table compares the Fund's performance to that of the Russell 1000[®] Index. To the extent that dividends and distributions have been paid by the Fund, the performance information for the Fund in the chart and table assumes reinvestment of the dividends and distributions. As with all such investments, past performance (before and after taxes) is not an indication of future results. If the Fund's investment manager and its affiliates had not waived or reimbursed certain Fund expenses during these periods, the Fund's returns would have been lower.

Calendar Year by Year Returns¹



¹ The Fund's year-to-date return as of September 30, 2025 was 23.77%.

The best calendar quarter return during the period shown above was 9.91% in the 1st quarter of 2024; the worst was 1.17% in the 4th quarter of 2024.

Updated performance information, including the Fund's current NAV, may be obtained by visiting our website at www.blackrock.com or by calling 1-800-474-2737 (toll free).

Average Annual Total Returns (for the periods ended December 31, 2024)

	<u>One Year</u>	<u>Since Inception</u>
(Inception Date: 10/24/2023)		
Return Before Taxes	17.20%	24.97%
Return after Taxes on Distributions ¹	16.99%	24.75%
Return after Taxes on Distributions and Sale of Fund Shares ¹	10.33%	19.11%
Russell 1000[®] Index² (Index returns do not reflect deductions for fees, expenses or taxes)	24.51%	33.70%

¹ After-tax returns in the table above are calculated using the historical highest individual U.S. federal marginal income tax rates and do not reflect the impact of state or local taxes. Actual after-tax returns depend on an investor's tax situation and may differ from those shown, and after-tax returns shown are not relevant to tax-exempt investors or investors who hold

shares through tax-deferred arrangements, such as 401(k) plans or individual retirement accounts (“IRAs”). Fund returns after taxes on distributions and sales of Fund shares are calculated assuming that an investor has sufficient capital gains of the same character from other investments to offset any capital losses from the sale of Fund shares. As a result, Fund returns after taxes on distributions and sales of Fund shares may exceed Fund returns before taxes and/or returns after taxes on distributions.

² Russell 1000[®] Index measures the performance of the large-cap segment of the U.S. equity universe. It is a subset of the Russell 3000[®] Index and includes approximately 1,000 of the largest securities based on a combination of their market cap and current index membership. The Russell 1000[®] Index represents approximately 98% of the investable U.S. equity market.

Management

Investment Adviser. The Fund’s investment adviser is BFA.

Portfolio Managers. Ibrahim Kanan and Sally Du, CFA (the “Portfolio Managers”) are jointly and primarily responsible for the day-to-day management of the Fund. Mr. Kanan has been Portfolio Manager of the Fund since March 2024. Ms. Du has been Portfolio Manager of the Fund since November 2024.

Purchase and Sale of Fund Shares

The Fund is an ETF. Individual shares of the Fund may only be bought and sold in the secondary market through a broker-dealer. Because ETF shares trade at market prices rather than at NAV, shares may trade at a price greater than NAV (a premium) or less than NAV (a discount). An investor may incur costs attributable to the difference between the highest price a buyer is willing to pay to purchase shares of the Fund (bid) and the lowest price a seller is willing to accept for shares of the Fund (ask) when buying or selling shares in the secondary market (the “bid-ask spread”).

Tax Information

The Fund intends to make distributions that may be taxable to you as ordinary income or capital gains, unless you are investing through a tax-deferred arrangement such as a 401(k) plan or an individual retirement account (“IRA”), in which case, your distributions generally will be taxed when withdrawn.

Payments to Broker-Dealers and Other Financial Intermediaries

If you purchase shares of the Fund through a broker-dealer or other financial intermediary (such as a bank), BFA or other related companies may pay the intermediary for marketing activities and presentations, educational training programs, conferences, the development of technology platforms and reporting systems or other services related to the sale or promotion of the Fund. These payments may create a conflict of interest by influencing the broker-dealer or other intermediary and your salesperson to recommend the Fund over another investment. Ask your salesperson or visit your financial intermediary’s website for more information.

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For more information visit www.blackrock.com or call 1-800-474-2737

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