



RBC LiONS™ S&P/TSX Composite Low Volatility Barrier Booster Securities (CAD), Series 1 Non-Principal Protected Security

20% Barrier protection

52.00% Booster

No cap on return

Subscriptions Close
on or about
October 25, 2019

Fundserv
RBC3351

This summary is qualified in its entirety by a pricing supplement (the "Pricing Supplement"), the base shelf prospectus dated January 30, 2018, the program prospectus supplement dated January 30, 2018 and the product prospectus supplement dated January 30, 2018 in respect of Index Linked Securities.

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KEY TERMS

| | |
|------------------------|--|
| Issuer: | Royal Bank of Canada (the "Bank") |
| Issuer Credit Ratings: | Moody's: Aa2; S&P: AA-; DBRS: AA |
| Currency: | CAD |
| Minimum Investment: | 50 Securities or \$5,000. |
| Term: | Approximately 5.5 years. |
| Principal at Risk: | The Securities are not principal protected |
| Index: | The return on the Securities is linked to the price performance of the EURO S&P/TSX Composite Low Volatility Index (the "Index"). Securities do not represent an interest in the Index or in the securities of the companies that comprise the Index, and holders will have no right or entitlement to such securities including, without limitation, redemption rights (if any), voting rights or rights to receive dividends or other distributions paid on such securities (the annual dividend yield on the Index as of October 9, 2019 was 4.006%, representing an aggregate dividend yield of approximately 24.114% compounded annually over the five and one half-year term, on the assumption that the dividend yield remains constant). |
| Issue Date: | October 31, 2019. |
| Initial Index Level: | The "Initial Index Level" is the Closing Level, as published by the Index Sponsor, on October 28, 2019 (the "Initial Valuation Date"). |
| Final Index Level: | The "Final Index Level" is the Closing Level, as published by the Index Sponsor, on April 28, 2025 (the "Final Valuation Date"). |
| Maturity Date: | May 1, 2025. |

A final base shelf prospectus containing important information relating to the securities described in this document has been filed with the securities regulatory authorities in each of the provinces and territories of Canada. A copy of the final base shelf prospectus, any amendment to the final base shelf prospectus and any applicable shelf prospectus supplement that has been filed, is required to be delivered with this document. This document does not provide full disclosure of all material facts relating to the securities offered. Investors should read the final base shelf prospectus, any amendment and any applicable shelf prospectus supplement for disclosure of those facts, especially risk factors relating to the securities offered, before making an investment decision.

KEY TERMS CONTINUED

Payment at Maturity: Payment at maturity will be based on the price performance (or "**Percentage Change**") of the Index measured from the Initial Index Level to the Final Index Level. The amount payable (the "**Redemption Amount**") on each \$100 Principal Amount per Security at maturity will be determined as follows:

If the Percentage Change in the Index is **greater than or equal to 52.00%**, then the Redemption Amount will be:

- $\$100 + (\$100 \times \text{Percentage Change})$

If the Percentage Change in the Index is **zero or positive and less than 52.00%**, then the Redemption Amount will be:

- $\$100 + (\$100 \times \text{Booster Amount})$

If the Percentage Change in the Index is **negative, declining by 20.00% or less** (i.e., the Final Index Level is equal to or above the Barrier Level), then the Redemption Amount will be \$100, as the Principal Amount will be fully protected against losses at or above the Barrier Level.

If the Percentage Change in the Index is **negative, declining by more than 20.00%** (i.e., the Final Index Level is below the Barrier Level), then the Redemption Amount will be:

- $\$100 + (\$100 \times \text{Percentage Change})$

All dollar amounts will be rounded to the nearest whole cent. The minimum payment at maturity is \$1.00.

Percentage Change: The "**Percentage Change**" is the amount, expressed as a percentage rounded to three decimal places, equal to:

$$\frac{(\text{Final Index Level} - \text{Initial Index Level})}{\text{Initial Index Level}}$$

Booster Amount: **52.00%**, applied only if the Percentage Change is greater than or equal to 0.00% and less than 52.00%.

Barrier Level: The "**Barrier Level**" is 80.00% of the Initial Index Level.

Secondary Market: Fundserv, RBC3351

Early Trading Charge Schedule:

| If Sold Within the Following No. of Days from Issue Date | Early Trading Charge (% of Principal Amount) |
|--|--|
| 1 - 180 days | 4.50% |
| 181 - 270 days | 4.00% |
| 271 - 360 days | 3.00% |
| 361 - 450 days | 2.00% |
| 451 - 540 days | 1.00% |
| Thereafter | Nil |

SAMPLE CALCULATIONS OF REDEMPTION AMOUNT

The examples set out below are included for illustration purposes only. The levels of the Index used to illustrate the calculation of the Redemption Amount are not estimates or forecasts of the Initial Index Level and Final Index Level on which the calculation of the Percentage Change, and in turn the Redemption Amount, will depend. All examples assume that a holder of the Securities has purchased Securities with an aggregate Principal Amount of \$100 and that no Extraordinary Event has occurred. All dollar amounts are rounded to the nearest whole cent.

Example #1 — Calculation of the Redemption Amount where the Percentage Change is negative, declining by more than 20.00% (i.e., the Final Index Level is below the Barrier Level)

Assuming that the Initial Index Level is 458.01 and the Final Index Level is 196.94, the Redemption Amount would be calculated as follows:

Initial Index Level = 458.01

Final Index Level = 196.94

Percentage Change = $(196.94 - 458.01) / 458.01 = -0.5700$ or -57.00%

Since the Percentage Change is negative, declining by more than 20.00% (i.e., the Final Index Level is below the Barrier Level), the Redemption Amount is calculated as follows:

Redemption Amount = $\$100 + (\$100 \times -57.00\%) = \$43.00$

In this example, the Redemption Amount results in a loss on the Principal Amount equivalent to an annually compounded loss rate of 14.23%.

Example #2 — Calculation of the Redemption Amount where the Percentage Change is negative, declining by 20.00% or less (i.e., the Final Index Level is equal to or above the Barrier Level)

Assuming that the Initial Index Level is 458.01 and the Final Index Level is 435.11, the Redemption Amount would be calculated as follows:

Initial Index Level = 458.01

Final Index Level = 435.11

Percentage Change = $(435.11 - 458.01) / 458.01 = -0.0500$ or -5.00%

Since the Percentage Change is negative, declining by 20.00% or less (i.e., the Final Index Level is equal to or above the Barrier Level), the Redemption Amount is \$100.

In this example, the Redemption Amount provides a return on the Principal Amount equivalent to an annually compounded rate of return of 0.00%.

Example #3 — Calculation of the Redemption Amount where the Percentage Change is zero or positive and less than 52.00%

Assuming that the Initial Index Level is 458.01 and the Final Index Level is 480.91, the Redemption Amount would be calculated as follows:

Initial Index Level = 458.01

Final Index Level = 480.91

Percentage Change = $(480.91 - 458.01) / 458.01 = 0.0500$ or 5.00%

Since the Percentage Change is zero or positive and less than 52.00%, the Redemption Amount is calculated as follows:

Redemption Amount = $\$100 + (\$100 \times 52.00\%) = \$152.00$

In this example, the Redemption Amount provides a return on the Principal Amount equivalent to an annually compounded rate of return of 7.91%.

Example #4 — Calculation of the Redemption Amount where the Percentage Change is greater than or equal to 52.00%

Assuming that the Initial Index Level is 458.01 and the Final Index Level is 719.08, the Redemption Amount would be calculated as follows:

Initial Index Level = 458.01

Final Index Level = 719.08

Percentage Change = $(719.08 - 458.01) / 458.01 = 0.5700$ or 57.00%

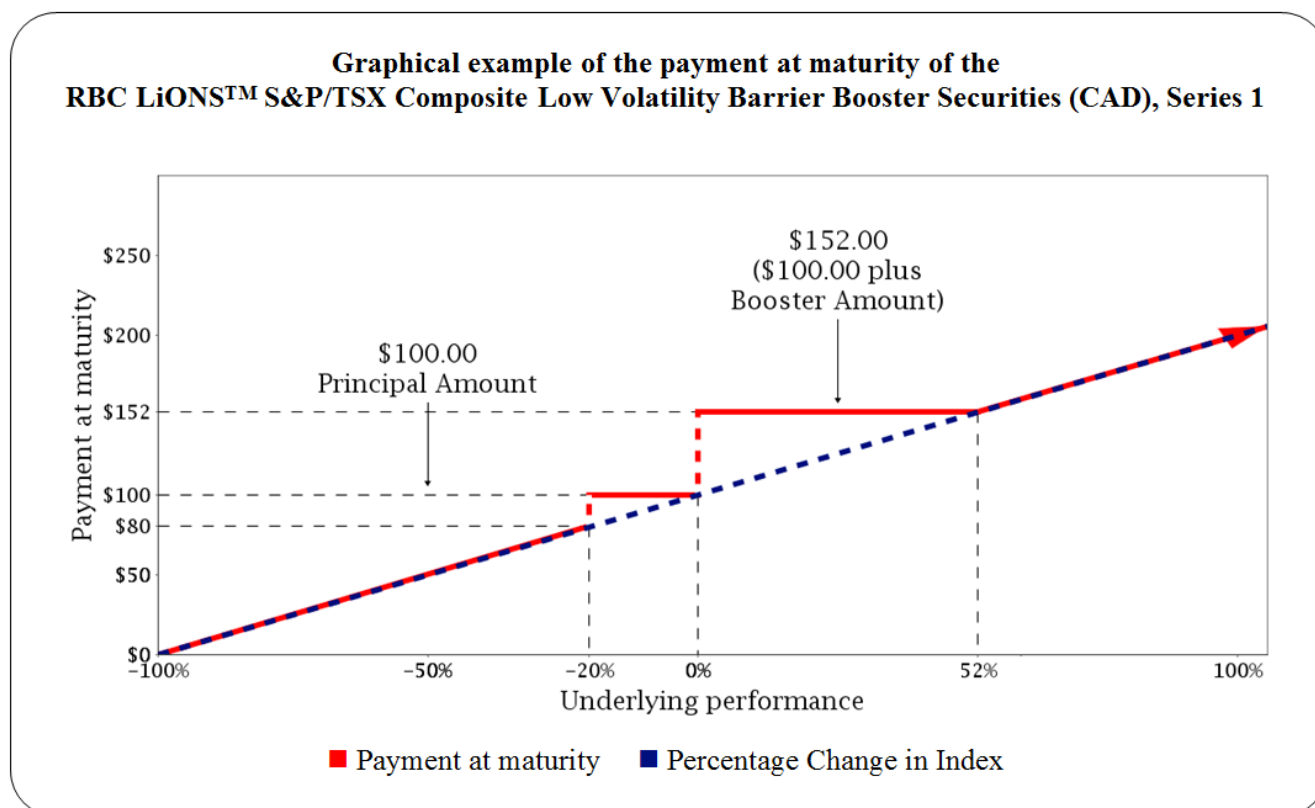
Since the Percentage Change is greater than or equal to 52.00%, the Redemption Amount is calculated as follows:

Redemption Amount = $\$100 + (\$100 \times 57.00\%) = \$157.00$

In this example, the Redemption Amount provides a return on the Principal Amount equivalent to an annually compounded rate of return of 8.55%.

GRAPHICAL DESCRIPTION OF THE PAYMENT AT MATURITY

The graph set out below is included for illustration purposes only. The Index levels used to illustrate the calculation of the payment at maturity are not estimates or forecasts of the Initial Index Level and Final Index Level on which the calculation of the Percentage Change, and in turn the Redemption Amount, will depend. This graph shows a limited range of hypothetical returns on the Index and is intended to be representative of that range only. Returns on the Index not shown on the graph are still possible to achieve and the corresponding returns on the Securities should be calculated using the formulas set out in the Pricing Supplement. This graph demonstrates what the return on the Securities will be for a specific return on the Index. There can be no assurance that any specific return will be achieved. All examples assume that a holder of the Securities has purchased Securities with an aggregate Principal Amount of \$100 and that no Extraordinary Event has occurred. The minimum payment at maturity is \$1.00.



The initial estimated value of the Securities as of October 9, 2019 was \$92.20 per Security, which is less than the price to the public and is not an indication of the actual profit to the Bank or its affiliates. The actual value of the Securities at any time will reflect many factors, cannot be predicted with accuracy, and may be less than this amount. The initial estimated value of the Securities is an estimate only and is based on the value of the Bank's obligation to make the payments on the Securities. We describe our determination of the initial estimated value in more detail in the Pricing Supplement.

All capitalized terms unless otherwise defined have the meanings ascribed to them in the Pricing Supplement.

Clients should evaluate the financial, market, legal, regulatory, credit, tax and accounting risks and consequences of the proposal before entering into any transaction, or purchasing any instrument. Clients should evaluate such risks and consequences independently of Royal Bank of Canada and the Dealers, RBC Dominion Securities Inc. and Laurentian Bank Securities Inc., respectively.

The Securities will not constitute deposits insured under the *Canada Deposit Insurance Corporation Act*.

An investment in the Securities involves risks. An investment in the Securities is not the same as a direct investment in the securities that comprise the index to which the Securities are linked and investors have no rights with respect to the securities underlying such index. The Securities are considered to be "specified derivatives" under applicable Canadian securities laws. If you purchase Securities, you will be exposed to changes in the level of the Index and fluctuations in interest rates, among other factors. Index levels are volatile and an investment in the Securities may be considered to be speculative. Since the Securities are not principal protected and the Principal Amount will be at risk, you could lose substantially all of your investment. Potential purchasers of Securities should consult with their own tax advisors having regard to their particular circumstances.

The Securities are not fixed income securities and are not designed to be alternatives to fixed income or money market instruments. The Securities are structured products that possess downside risk.