UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): October 10, 2026

Grayscale Stellar Lumens Trust (XLM)

(Exact name of Registrant as Specified in Its Charter)

Delaware	**000-56434**	**83-6545098**
(State or Other Jurisdiction of Incorporation)	**(Commission File Number)**	**(IRS Employer Identification No.)**

c/o Grayscale Investments Sponsors, LLC
290 Harbor Drive, 4th Floor
Stamford, Connecticut **06902**
(Address of Principal Executive Offices) **(Zip Code)**

Registrant's Telephone Number, Including Area Code: 212 668-1427

N/A
(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(g) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Grayscale Stellar Lumens Trust (XLM) Shares	GXLM	N/A

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§ 230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§ 240.12b-2 of this chapter).

Emerging growth company ☒

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Item 3.02. Unregistered Sales of Equity Securities.

Since the sales reported on the most recently filed Current Report on Form 8-K by Grayscale Stellar Lumens Trust (XLM) (the "Trust"), the Trust issued 73,400 Shares at varying prices determined by reference to its NAV per Share to selected "accredited investors," within the meaning of Rule 501 of Regulation D under the Securities Act of 1933, as amended (the "Securities Act"), in private placement transactions exempt from the registration requirements of the Securities Act pursuant to Rule 506(c) thereunder for an aggregate of 6,064,661.2224970 XLM representing $1,136,743. Grayscale Securities, LLC ("Grayscale Securities") acted as the Authorized Participant with respect to these distributions. As a result, there are 1,462,600 Shares issued and outstanding as of October 15, 2026.

Because Shares have been, and continue to be, created and issued on a periodic basis, a "distribution," as such term is used in the Securities Act, may be occurring from time to time. As a result, Grayscale Securities, as Authorized Participant facilitating the creation of Shares and as distributor and marketer, may be deemed an "underwriter" under Section 2(a)(11) of the Securities Act. No underwriting discounts or commissions were paid to Grayscale Securities with respect to such sales.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

Grayscale Investments Sponsors, LLC, as Sponsor of
Grayscale Stellar Lumens Trust (XLM)

Date: October 15, 2026

By: Kathryn Masci
Kathryn Masci (Oct 15, 2026 11:18:26 EDT)

Name: Kathryn Masci
Title: Interim Chief Financial Officer*

* The Registrant is a trust and the identified person signing this report is signing in their capacity as an authorized officer of Grayscale Investments Sponsors, LLC, the Sponsor of the Registrant.