

Easy

Assistant Engineer (Electrical), Class 2025

Building Department

Which lamp technology is currently the most energy-efficient and widely adopted for new street lighting projects?

A

High-Pressure Sodium (HPS)

B

Mercury Vapor

C

Metal Halide

D

Light Emitting Diode (LED)

Correct

Correct Answer: D

Full Detailed Explanation

Concept & Reasoning HPS, mercury-vapor and metal-halide technologies were widely used historically, but LED systems reduce energy and maintenance costs and support dimming/remote controls. Actual performance depends on luminaire efficacy, optics, thermal design and driver quality. How to Solve It in the Exam Modern new street lighting LED. Important Exam Point Compare complete luminaire performance, not only lamp wattage. Related Revision Path This question sits in the revision path Building Electrical Services Lighting Street Lighting

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