

TYPE _____ · DATE _____ · PROJECT _____

LUM

Sage Luma — Self-Luminous Tritium Exit Sign, Aluminum Housing

Self-Luminous Tritium Exit Sign

no electrical connections · 10 / 20 yr life · Red / Green

SUGGESTED SPECIFICATION

Install Sage Luma self-luminous exit signs, internally illuminated by tritium gas lamps with no electrical connections, no heat generated, and no maintenance required for the life specified, up to 20 years. The housing shall be fabricated from extruded aluminum with overall dimensions of 14" x 9" x 3/4", having a minimum external wall thickness of .09" and a polycarbonate window of .125" minimum thickness; universal mounting brackets shall be supplied. Signs shall be observation tested for visibility up to 125 ft in complete darkness, with output at 525 nanometer wavelength (green) for maximum visibility in low ambient brightness; no external light shall be required for activation, and signs shall be suitable for use in wet locations. For signs specified with a luminous life of 10 years, the minimum initial brightness measured at any point on the external surface shall be 0.12 ft L (.21 cd/m²); for any other specified lifetime, the minimum surface brightness shall be 0.012 ft L (.021 cd/m²) per year of specified luminous life. Signs shall be manufactured and tested to UL Standard 924, Life Safety Code NFPA 101, and National Electrical Code Article 500, Class I and II conditions, and shall be sealed source and device registered with USNRC for distribution to general licensees.

ELECTRICAL SPECIFICATIONS

None — self-powered. The sign is internally illuminated by self-luminous tritium gas lamps: no electrical connections, no heat generated, and no maintenance required for the life specified, up to 20 years; no external light required for activation. No electrical input data exists for this product by design — no voltage, no wattage, and no central-battery load. Useful life is selected at ordering (10 = 10 years · 20 = 20 years); an unconditional warranty is provided against failure to meet required standards of illuminated life, as specified on the product label.

SELF-LUMINOUS SOURCE — BRIGHTNESS & LUMINOUS LIFE

Parameter	Published Value
Guaranteed luminous life	up to 20 years, as specified (10 or 20 per ordering code)
Min initial brightness — 10-year signs	0.12 ft L (.21 cd/m ²) at any point on the external surface
Min surface brightness — other lifetimes	0.012 ft L (.021 cd/m ²) per year of specified luminous life
Visibility	observation tested up to 125 ft in complete darkness
Output wavelength	525 nm (green) — low ambient brightness visibility

Brightness values are carried exactly as published. No electrical connections, no heat generated, and no maintenance required for the life specified, up to 20 years.

PRODUCT DATA · INPUT

illumination	self-luminous tritium gas lamps
Electrical	none — no electrical connections
Useful Life	10 or 20 years, as specified
Visibility	tested up to 125 ft in complete darkness
Output	525 nanometer wavelength (green)
Faces	1 single · 2 double
Location	suitable for use in wet locations

FEATURES

- Self-luminous tritium gas lamps — no electrical connections, no heat generated, and no maintenance required for the life specified, up to 20 years
- Observation tested for visibility up to 125 ft in complete darkness; 525 nanometer wavelength (green) output
- No external light required for activation; suitable for use in wet locations
- Double-wall extruded aluminum housing, .09" (2.3 mm) minimum wall thickness — no visible mounting hardware
- Polycarbonate faceplate window, .125" (3 mm) minimum thickness; stencil face legend
- Universal field-adjustable chevron arrows; universal back / end / top mounting brackets; optional canopy (CAN) and pendant (PEN) mount kits
- Satin anodized brushed aluminum standard; optional painted enamel color finishes

"Engineered for the spaces it protects."

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ORDERING INFORMATION

Useful Life	10 = 10 years · 20 = 20 years
No. of Faces	1 Single · 2 Double
Face Color	R Red · G Green · "COLOR" = Custom Color (code format not defined — see note)
Housing Color	BA Brushed Aluminum
Options /Accessories	PEN Pendant Mount Kit · CAN Canopy Mount Kit · W White Housing · B Black Housing (W / B position encoding not defined — see note)

Ordering Example: LUM-10-1-G-BA-PEN

UL CONDITIONS OF ACCEPTABILITY

Manufactured and tested to UL Standard 924, Life Safety Code NFPA 101, and National Electrical Code Article 500, Class I and II conditions. Sealed source and device registered with USNRC for distribution to general licensees. cETLus Listed (Intertek) — conforms to UL 924 / CSA 22.2 #141. Suitable for use in wet locations.

NOTE: Options append with a hyphen (e.g. -PEN). The "COLOR" custom face-color code and the W /B housing-color position encoding are not defined in the published ordering data — contact Sage to specify; never assumed.

NOTE: Unconditional warranty is provided against failure to meet required standards of illuminated life, as specified on the product label.

NOTE: Self-powered tritium illumination — no electrical data (voltage /wattage /battery load) exists for this product.

“Engineered for the spaces it protects.”