

**Rowmark**  
Simply Rowmarkable since 1987



# LaserGlow<sup>®</sup>

Reliable, glow-in-the-dark material for safety-egress signage with life-saving potential.



# READY, SET, GLOW...

A Rowmark exclusive! Specially engineered flexible plastic sheet that glows after exposure to light. This product is perfect for exit signs, egress markings, ADA compliant signs and safety signage.

LaserGlow products feature consistent uniform illumination and require absolutely no energy, maintenance or special disposal.

Safety is a top concern for architects, building owners, contractors and product specifiers. LaserGlow provides lifesaving reliability while saving on labor, maintenance and energy costs.

## Material Specifications

### Material

Modified impact acrylic

### Finish

Matte non-glare

### Sheet Size

24-1/8" x 48-3/4" (613mm x 1238mm)

### Engraving Depth

.022" // 0.56mm (Reverse only)

\*.025 // 0.64mm

### Capabilities

Saws, Drills, Shears, Laser Vector Cuts, Bevels, Heat Bendable, Screen Prints, Hot Stamps, Bonds, UV Stable, Paint-fill, Backlighting, Braille-engravable, Thermal Prints

### Usage

Interior/Exterior signage, Tactile/Appliqué signage, Exit/Egress signage, Safety signage, Industrial tags, MEA certified MEA# 20308M

### Features

- Engineered with a non-radioactive chemical light source for your safety
- Matte non-glare surface finish works great in vinyl lettering and screen printing applications
- Engraved area can be paint-filled and back-lit for contrast

### Ultra **NEW** LaserGlow











### ADA Compliant LaserGlow

### Single-Ply LaserGlow

### Reverse Engravable

### LaserGlow Safety Colors

For best results, it is recommended to rotary engrave these select products.

Ultra LaserGlow <b>ULG341-911</b> (1/8") <b>ULG321-911</b> (1/16")	Glow ADA Compliant <b>LG311-911</b> (1/32" w/out adhesive)	Glow ADA Compliant <b>LG321-911</b> (1/16")	Glow ADA Compliant <b>LG341-911</b> (1/8")	Glow w/ Adhesive <b>LG302-911</b> (.020")	Glow Reverse <b>LG322-911</b> (.050")	Glow/Safety Black <b>LG322-914</b> (.050")	Glow/Safety Blue <b>LG322-915</b> (.050")	Glow/Safety Red <b>LG322-916</b> (.050")	Glow/Safety Green <b>LG322-919</b> (.050")
									

\*All LaserGlow products are produced with a white layer to provide bright, even glow distribution.

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# NEW ULTRAGLOW

The next evolution in glow-in-the-dark engravable sheet product!



Ultra **NEW**  
LaserGlow

**ULG341-911** (1/8")

**ULG321-911** (1/16")

At full charge, Ultra LaserGlow can be seen from a distance of 25 feet, and glows for a minimum of 90 minutes.

Ultra LaserGlow meets the UL 1994 Standard for Luminous Egress Path Marking Systems and is acceptable to use in most building egress signage applications.



# LASERGLLOW FEATURES

Engineered with non-radioactive chemical light source for safety

Zero energy consumption, green design, sustainable

Zero maintenance, no bulbs or battery replacement

Non-toxic, not radioactive

Thin, low profile material

Consistent, uniform illumination

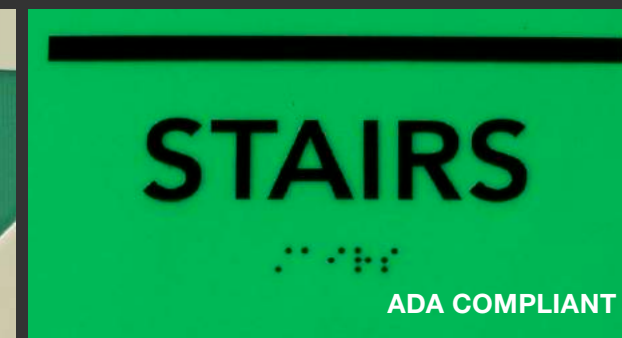
Recyclable

LEED point contributor

Consistent, uniform illumination

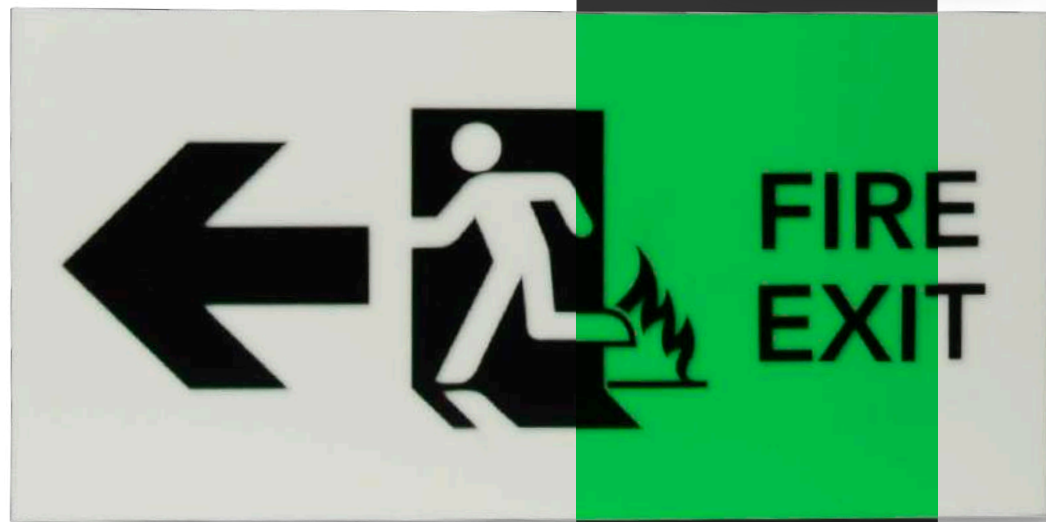
## Multiple LaserGlow products offered to meet your needs:

- For use as a substrate for UV-LED printing, screen printing, and vinyl lettering
- Create lasting engraved signage with a laser or rotary engraver
- For use as an appliqué for ADA compliant tactile signage
- Vector cut-out appliqués



# HOW DOES LASERGLOW WORK?

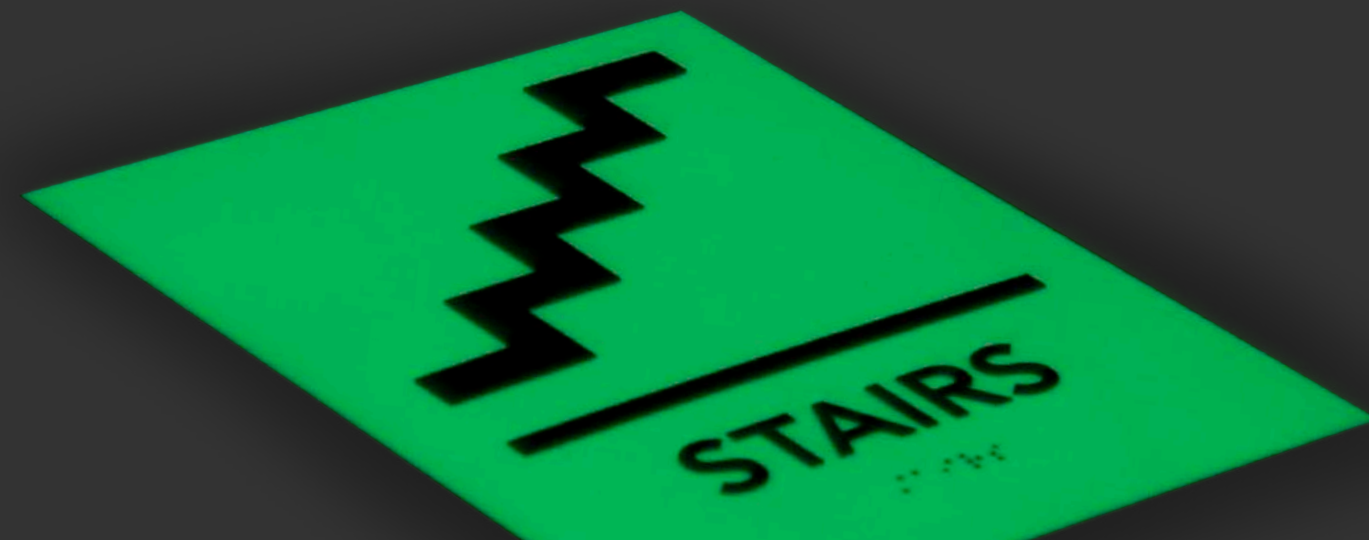
LaserGlow absorbs and stores energy from normal ambient light sources, then, when a room or area goes dark, LaserGlow releases energy to emit light.



## HOW LASERGLOW STACKS UP:

### COMPARISON OF THE THREE MOST POPULAR EXIT, EGRESS SIGN SYSTEMS

KEY FACTOR	LED	RADIOLUMINESCENCE	LASERGLOW PHOTOLUMINESCENT
Energy Efficiency	Good	Better	<b>Best</b>
Power Consumption	5 watts	N/A	<b>N/A</b>
Service Life	10 years	10-20 years	<b>Unlimited</b>
Maintenance	Electrical	Expiration Date	<b>Dust</b>
Disposal Hazard	Yes	Yes	<b>No</b>



# FAQS FREQUENTLY ASKED QUESTIONS

1

## How long will the product keep glowing?

After one hour of light exposure, material will glow in excess of 90 minutes.

2

## How do you charge the material, and for how long?

Full charge of LaserGlow can be achieved after one hour of light exposure.

3

## Does the material contain phosphorous?

No, our photoluminescent pigments are a blend of luminesced sulfides, oxides, carbonates and aluminates.

4

## What is the lifetime of the material?

This material is warranted for two years, but its service life can extend beyond 10 years, barring unknown damaging environmental influences, incorrect cleaning or other deliberate abuse.

5

## Is the material recyclable?

Yes, this material is recyclable through local plastic scrap brokers.

# LASERGLOW COMPLIANCE

## UL 1994:2015 Ed. 4, Clauses 33 and 34

- The UltraGlow product was independently tested and found to comply with the test requirements of UL 1994-2015 Ed. 4, Clauses 33 & 34, Standard for Safety for Luminous Egress Path Marking Systems for Low Level Path Markers.

## New York City (NYC) Local Law 26 of 2004

- Conforms with NYC Local Law 26 requiring all commercial high-rise buildings over 75 feet tall to have photoluminescent escape route systems.
- Exposure of LaserGlow product to 21.6 lux for 120 minutes.

Time (Minutes)	N.Y. Standard	LaserGlow .015"
10	30	37.6
60	7	8.8
90	5	5.7

## The International Marine (IMO) Standard

- Conforms with IMO standards for photoluminescent markings on passenger ships carrying more than 35 passengers.
- Exposure of LaserGlow product to fluorescent lamp 25 lux, 24 hours.

Time (Minutes)	IMO Standard	LaserGlow .015"
1	-	65.6
10	15	28
60	2	8.1

## Danish Standard: DIN 67 510 Parts: 1-4

- Exceeds requirements for photoluminescent escape route systems.
- Exposure of LaserGlow product to 1000 lux for five minutes.

Time (Minutes)	DIN Standard	LaserGlow .015"
10	20	129
60	2.8	16.6
Afterglow (mcd/m <sup>2</sup> )	DIN Standard	LaserGlow .015"
.3	340 minutes	1162 minutes



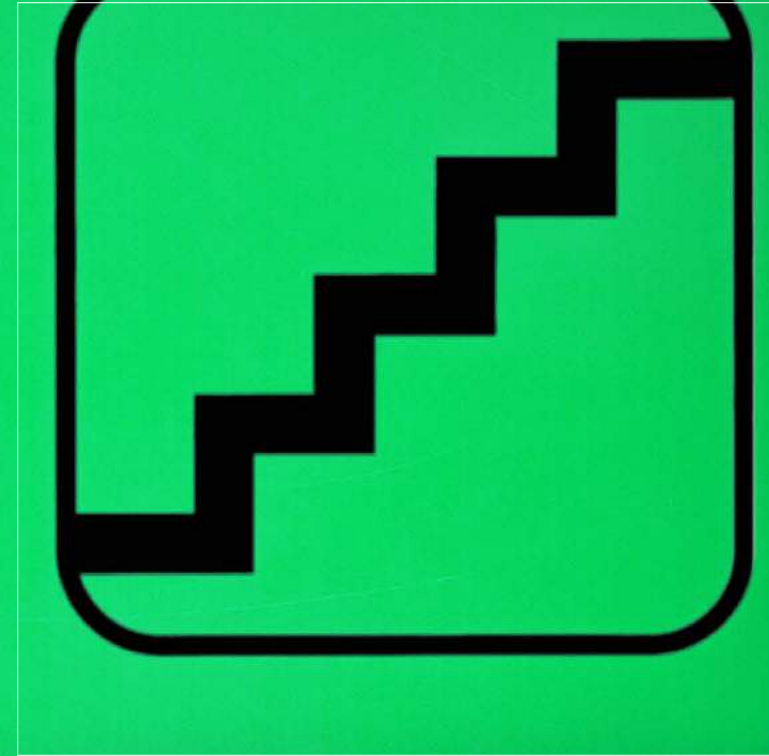
# PRODUCT SAMPLE



**NEW ULTRA LASERGLOW**



# PRODUCT SAMPLE



**LASERGLOW**



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