Rowmark

Simply Rowmarkable since 1987

LaserGlow®

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)*
*.022" // 0.56mm *(Front only)*

Capabilities
Back-lighting, Bevels, Bonds, Drills, Heat Bendable, Hot Stamps, Laser Vector Cuts, Saws, Screen Prints, Shears *(works on thicknesses 1/16" & under)*

Usage
ADA Compliant/Tactile Signs, Egress & Exit Signage, Exterior Signage, Industrial Signage/Tags, Interior Signage, MEA Certified MEA #203-08-M, Recreational Signage, Safety Signage

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

Ultra NEW LaserGlow®

Ultra LaserGlow
ULG341-911 (1/8")
ULG321-911 (1/16")

ADA Compliant LaserGlow®

Glow ADA Compliant
LG311-911
(1/32" w/out adhesive)

Glow ADA Compliant
LG321-911
(1/16")

Glow ADA Compliant
LG341-911
(1/8")

Single-Ply LaserGlow®

Glow w/ Adhesive
LG302-911
(.020")

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

Reverse Engravable

Glow Reverse
LG322-911
(.050")

LaserGlow® Safety Colors

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

Glow/Safety Black
LG322-914
(.050")

Glow/Safety Blue
LG322-915
(.050")

Glow/Safety Red
LG322-916
(.050")

Glow/Safety Green
LG322-919
(.050")

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

NEW ULTRAGLOW

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

Ultra LaserGlow® NEW

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.

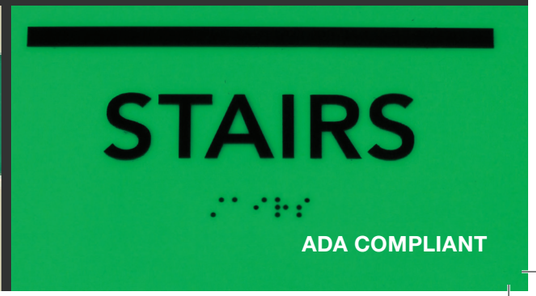
Ultra LaserGlow® meets the UL 1994 Standard for Luminuous Egress Path Marking Systems and is acceptable to use in most building egress signage applications.

LASERGLOW® 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



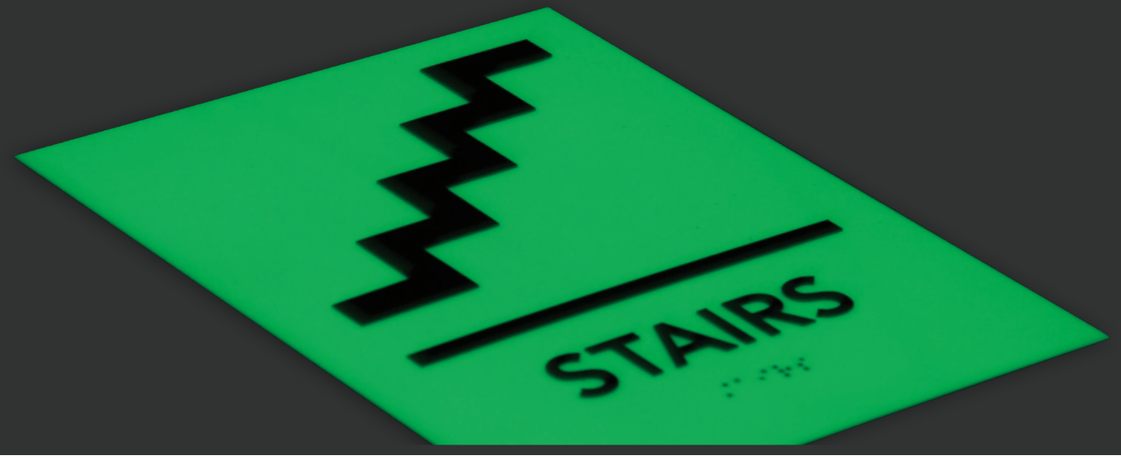
HOW DOES LASERGLOW® WORK?

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	**Best**
Power Consumption	5 watts	N/A	**N/A**
Service Life	10 years	10-20 years	**Unlimited**
Maintenance	Electrical	Expiration Date	**Dust**
Disposal Hazard	Yes	Yes	**No**



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/m2)	**DIN Standard**	**LaserGlow** .015”
.3	**340** minutes	**1162** minutes

PRODUCT SAMPLE

PRODUCT SAMPLE

NEW ULTRA LASERGLOW®

LASERGLOW®

Rowmark

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