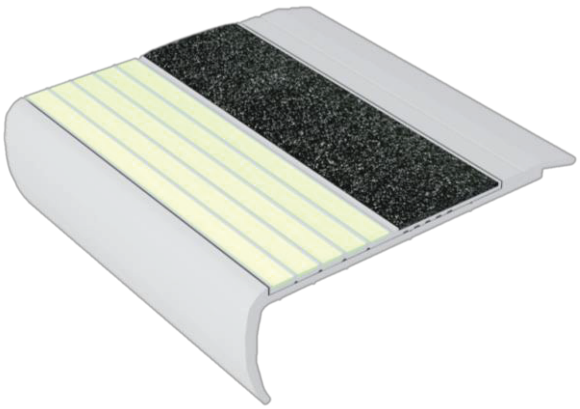
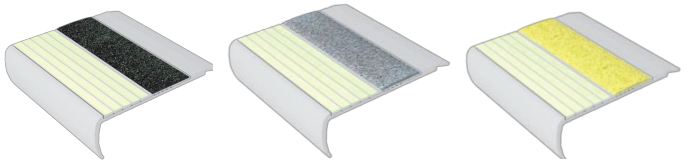
F8-E40 PHOTOLUMINESCENT FLAT STAIR NOSING

The Hight Performance F8-E40 Photoluminescent Anodized Flat Stair Nosing provides step edge visibility and enhances egress speed in all light conditions. They can be used on a range of substrates including concrete, timber, tiles, steel, checker plate and in carpeted stairs.



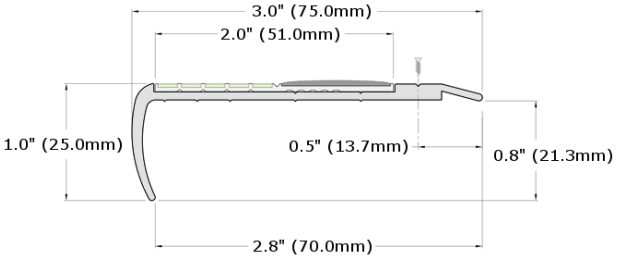
PRODUCT COLORS



Black	Grey	Yellow
FA8171	FA8161	FA8151

**FA8173 (Black) standard performance product also available*

PRODUCT DIMENSIONS



ENVIRONMENTALLY FRIENDLY

- LEED points qualified
- Zero energy consumption
- Non-Radioactive and Non-toxic
- Recyclable; No disposable cost

c UL SA33553 4HT0

UL 1994 AND ULC 572 LISTED

AutoCAD BIMready

ENGINEERED FOR DURABILITY

- Manufactured using Ecoglo's patented process which produces the most durable and highly efficient photoluminescent product available.
- Unique ridges in the photoluminescent strips protect it from most abrasive wear. They provide slip resistance while still allowing the product to be easily cleaned.
- The hard-wearing silicon carbide non-slip material is integrally bonded to the aluminum substrate. Thousands of people can walk on it with no signs of wear and tear.
- The thick anodized finish is aesthetically pleasing, prevents corrosion, and is extremely hard and abrasion resistant. The anodized aluminum surface is harder than pure aluminum, second only to diamonds hard crystalline structure.

STEP EDGE SAFETY

- The color contrasting the non-slip material with advanced photoluminescent technology provides step edge visibility in all light conditions.
- The unique ridges in the Ecoglo® photoluminescent strips and the integrated anti-slip contrast strips provide all-weather slip resistance.

FOR INDOOR USE AND OUTDOOR USE

- Tested to accelerated UV/weathering exposure, and proven to be highly resistant to the effects of UV/weathering.
- The loss in performance is less than can be detected by the human eye when subjected to 6000 hours of UV exposure, which is similar to 30 years of outdoor exposure.
- The polymer used in Ecoglo's patented process is "long chain" which forms a strong UV resistant product when bonding.

GENERAL INFORMATION

- Install with polyurethane adhesive and mechanical fasteners, or adhesive only.
- Supplied with pre-drilled countersunk holes. Includes stainless steel fasteners and concrete nylon anchors. Standard location is 2" from each end and approx. 12" apart.
- Available in cut to length sizes. (Tolerance +or- 1/8") Standard lengths are 8ft and 10ft.
- Inserts Attached or Unattached - Unattached is recommended for on-site cutting. Inserts are installed with a premium polyurethane adhesive.
- Weight: 0.456 lbs/ft.

ecoglo® VISIBLY BETTER

F8-E40 PHOTOLUMINESCENT FLAT STAIR NOSING

QUALIFIES FOR LEED POINTS

MR Credit 2: Construction Waste Management Divert from Land Fill

- Products are Aluminum based and 100% recyclable.

MR Credit 4: Recycled Content

- Products are Aluminum based and approximately 20% of the aluminum content in an Ecoglo secondary billet specification is recycled scrap. Ecoglo's Recommended Installation Adhesive for low VOC's and qualifies for Indoor Environmental Quality credits for low emitting materials: EQc4.1

THE ECOGLO F8-E40 MEETS THE FOLLOWING BUILDING, FIRE & LIFE SAFETY CODES:

- IBC/IFC (Section 1025 – Luminous Egress Path Markings) and (Section 1025)
- NFPA 101
- NYC Building Code 2018 (Section BC 1025 Luminous Egress Path Markings)
- NYC LL 141 of 2013 (Section BC 1025 Luminous Egress Path Markings)
- NYC LL 26 of 2004 Reference Standard 6-1
- California Building Code Section 1025 Exit Passageways
- Connecticut State Fire Safety Code Section 1026 Floor Proximity Egress Path Markings

ALUMINUM FINISH

- 6063-T5 Aluminum, Mill Finish or with Clear or Black Anodized Finish. (Anodized to Type 2, Class 1. 20 microns thickness
- Light Bronze and, Dark Bronze Anodize finishes are available at an additional cost.

BENEFITS AND TECHNICAL DETAILS:

Ecoglo F8-E40 meets or exceeds the performance criteria specified in the following tests or standards:

BRIGHTNESS

High visibility in dark or light conditions.
ASTM E2073-02, Standard Test Method for Photopic Luminance of Photoluminescent (Phosphorescent) Markings.
DIN 67510 Part 1, Phosphorescent Pigments and Products: Measurement and identification by the manufacturer.
ISO 17398:2004 Clause 7.11, Safety Colors and Safety Signs- Classification, Performance and Durability of Safety Signs.

UV STABILITY

High durability indoors and outdoors.
ASTM G155-04 Cycle 1 2000hrs, Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Nonmetallic Materials.
Salt Spray Resistance: ASTM B117-97 500hrs, Standard Practice for Operating Salt Spray (Fog) Apparatus.
Freeze-Thaw Resistance: ASTM C1026-87(1996), Standard Test Method for Measuring the Resistance of Ceramic Tile to Freeze-Thaw Cycling

ABRASION RESISTANCE

Hard wearing.
ASTM D1242-95a, Standard Test Methods for Resistance of Plastic Materials to Abrasion.
ASTM F510-93(2004), Standard Test Method for Resistance to Abrasion of Resilient Floor Coverings Using an Abrader with a Grit Feed Method.
JIS H8682-1:1999, Test methods for abrasion resistance of anodic oxide coatings on aluminum and aluminum alloys- Wheel wear test.

WASHABILITY

Easy Cleaning.
ASTM D4828-94(2003), Standard Test Methods for Practical Washability of Organic Coatings.

RADIOACTIVITY

No radioactivity or toxicity.
ASTM D3648-2004, Standard Practices for the Measurement of Radioactivity.
Toxicity: Bombardier SMP 800-C (2000), Toxic Gas Generation Test.

FLAMMABILITY

Does not burn.
ASTM E162-02, Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source.
ASTM D635-03, Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position.
FAA AC 23.2 Paragraph 4.b, Horizontal Burn Test.

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